

# A Bibliography of Papers in *Lecture Notes in Computer Science* (1994)

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254  
FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <http://www.math.utah.edu/~beebe/>

11 March 2017  
Version 1.27

## Title word cross-reference

$p$  [2640].  $\pi$  [2136, 2294, 2138, 1568, 2137, 1585].  $pi/4$  [554].  $q$  [346].  $r$  [2631].  $t$  [1507].  $v$  [2070].  $w$  [1175].  $Z$  [1227].  
 $(1+, \lambda)$  [3101].  $(s, t)$  [2700].  $0$  [2716].  $1$  [2716].  $16$  [2245].  $2$  [3492, 874, 633, 1887, 1891, 1116, 1872, 872].  $2k - 1$  [1202].  $3$  [1074, 3282, 1048, 2075, 2480, 1883, 1097, 3284, 1887, 1891, 2760, 1116, 1059, 1885, 1870, 1088, 1203, 1872, 1119, 1082, 3377, 1037, 1091, 1108, 1121, 876].  $8$  [539].  $k$  [339].  $2$  [2217].  $D$  [1202, 2162].  $f$  [2291, 2037].  $h$  [2070].  $k$  [1202, 1733, 354, 2593, 1974, 2053, 1848, 306, 2312, 2039, 2077, 2162, 1865].  $k/n$  [573].  $L$  [3560].  $L_p$  [374].  $\lambda_\Delta$  [754].  $m$  [106].  $\text{NC}^k(\text{NP}) = \text{AC}^{k-1}(\text{NP})$  [341].  $\mu$  [3317].  $N$  [3482, 2207, 821, 1720, 898, 2593, 2586, 62].  $o$  [167].  $O(\log \log N)$  [1201, 1861].  $O(n)$  [3543].  
 $-$  [1202, 2070, 2716, 2162]. **-adic** [2640]. **-ary** [2593, 2207]. **-Best** [2077]. **-Body** [3482, 898]. **-Calculus** [2294, 3317, 1568, 2136, 2138, 2137, 754, 1585]. **-categorical** [633]. **-Clustering** [354]. **-Coloring** [2037]. **-Cube** [2586]. **-cubes** [2593]. **-D** [3492, 1048, 2480, 1887, 1116, 1059, 1091, 62]. **-Dimensional** [539, 1203, 3377, 1097]. **-DQPSK** [554]. **-Edge-Connect** [2039]. **-Grammars** [346]. **-Interpretation** [2168]. **-invariants** [1507]. **-Label** [306]. **-Languages** [1175]. **-Matching** [2291].

**-Metric** [374]. **-MKRP** [1476]. **-Nodes** [167]. **-Overlap** [2312]. **-Pairwise** [2053]. **-Paths** [2700]. **-Reductions** [3560]. **-Round** [2245]. **-Sequences** [106]. **-sets** [1974]. **-Strategies** [3101]. **-Structures** [1733]. **-Style** [1227]. **-Trees** [1848, 1865].  
 / [185].  
**0/1** [3225]. **011** [1773]. **011-AC** [1773]. **011-DC** [1773].  
**1** [182, 879, 982, 3504, 2822]. **1-k** [335]. **1-Reader** [2822]. **1-Writer** [2822]. **1.2** [2031]. **120** [231]. **15** [1009].  
**2** [950, 2656, 1356, 2406, 1360, 3027, 1294, 2355, 3253, 3517, 1606, 2398, 2713, 2617]. **2-Adic** [1294]. **2-class** [3446]. **2-d** [2739]. **2-Optimal** [2713]. **2-Structures** [1356, 1360]. **200** [3518, 893]. **2DT** [650].  
**3** [485].  
**5** [3489, 118, 148, 2602, 965, 3518, 893, 910]. **5/4** [2694]. **5/4-Approximation** [2694]. **5/CM** [3484, 3521]. **5E** [3484, 3521].  
**6** [205]. **64** [1274]. **64-bit** [1297]. **65** [572]. **65-MHz** [572].  
**802.12** [2397].  
**90** [998, 1004]. **90D** [152]. **90D/HPF** [152]. **93** [1485].  
 = [1379].  
**A-Codes** [92]. **Abduction** [2190, 3299, 1928]. **Abductive** [1304, 1782, 2498, 1925]. **abelian** [3449]. **Ability** [1592]. **AbleProfessionals** [2933]. **Abnormality** [2959]. **Abstract** [1182, 3046, 655, 385, 387, 1780, 729, 3043, 2297, 3053, 1741, 1742, 3360, 654, 1162, 2016, 3065, 988, 1407, 503, 743, 3337, 3430, 758, 1233, 739, 2010, 627, 1453, 1458, 722, 638, 724, 2148]. **Abstracted** [1156]. **Abstracting** [780, 2353, 1831, 2351, 1745, 2329]. **Abstraction** [728, 3169, 1164, 1330, 1304, 1653, 2104, 486, 483, 3551, 3326, 503, 2890, 2320]. **Abstractions** [2795, 1633, 516, 1342, 1623, 2143]. **abstractor** [701]. **AC** [2374, 1455, 2372, 499, 1773]. **AC-superposition** [1455]. **AC-Unification** [2374, 2372]. **AC-unifiers** [1455]. **Academic** [32, 23]. **Accelerated** [2652]. **Accelerating** [838]. **Acceleration** [164]. **Acceptance** [359, 360, 3430]. **Accepted** [2284]. **Access** [568, 2926, 2525, 564, 3418, 1678, 2652, 490, 3415, 532, 2940, 549, 2905, 2649, 542, 1903]. **Accesses** [149]. **Accessibility** [2917]. **Accessible** [2924, 2917]. **Accessing** [2936]. **Accommodation** [2933]. **Accounting** [2842]. **Accumulators** [116]. **Accuracy** [846, 3528]. **Accurate** [1307, 1879, 3139]. **Achieved** [1000]. **Achievement** [1791]. **Achieving** [2091, 2572]. **Acquisition** [3163, 597, 2986, 3159, 3158, 3165]. **Across** [670, 2348]. **Act** [1333, 1331]. **Action** [3330, 1959, 3087, 1910, 747, 178, 2956, 1994, 3357, 644, 643, 2359, 2010, 3257, 2140, 3263, 3242]. **Action-Based** [643]. **Actions** [2938, 1402, 2886, 3233]. **Activation** [3018, 1580]. **Activation-Oriented** [3018]. **Active** [1680, 2768, 1035, 2298, 2852, 2769, 2851, 2770, 2771, 1577, 1054, 1037, 1057, 1144, 1108]. **Activities** [1663]. **Activity** [202]. **Actor** [1597, 394]. **Actor-Based** [1597]. **ACTRESS** [644]. **Acyclic** [2221, 651]. **AD** [3273]. **Ada** [9]. **Adaptable** [2165]. **Adaptation** [3188, 2166, 3080, 84, 3187, 3114, 3115, 2165, 3193]. **Adaptations** [2511]. **Adapted** [3429, 1116]. **Adapting** [978, 2969, 2897, 815, 548].

**Adaptive** [340, 1573, 148, 2594, 1653, 2611, 2593, 2006, 2554, 2178, 2392, 2609, 2592, 1563, 3085, 3142, 532, 3176, 546, 3118, 1127].  
**Adaptively** [3141, 254, 253]. **Add** [1006].  
**Add-On** [1006]. **Added** [2531]. **Adder** [2571]. **Adding** [2202, 3366, 1767, 1552, 525, 660, 3379].  
**Additional** [3294, 348, 3296]. **Additive** [2269]. **Address** [1, 2600]. **Adequacy** [1829, 1151, 628]. **adic** [2640, 1294].  
**adjunctions** [635]. **Adjusting** [2064].  
**Adjustment** [74]. **Admissible** [1409].  
**Admission** [2398]. **Admits** [2017].  
**Admitting** [2639]. **ADMS** [460]. **Advance** [3179]. **Advanced** [779, 2515, 993, 2526, 2513, 564, 3102, 2811, 28, 2423, 57, 1374, 872, 803]. **Advances** [416, 2901, 1043]. **Advantages** [512, 1057].  
**Advection** [3481]. **Advection-Chemistry** [3481]. **Adventure** [17]. **Adverbials** [1922].  
**Advice** [2766, 1479]. **ADVISE** [2629]. **AE** [1424]. **AEA** [907]. **Aeronautical** [860].  
**Aerospace** [937, 935, 936]. **AF2** [1996].  
**Affine** [1126, 1715, 1867, 1881, 1872, 1049, 1117, 1080, 1116, 1067, 1084, 1069, 1047, 1037].  
**Affinity** [157, 1587]. **AFORIZM** [3168].  
**Aft** [6]. **After** [1968]. **Against** [1869, 253, 805, 254]. **Agent** [2791, 3159, 1956, 3439, 1957, 2100, 1593, 1271, 1268, 1965, 3232, 3240]. **Agent-Based** [3159]. **Agents** [2522, 1964, 191, 3145, 1960, 2976, 2954, 1927].  
**AGG** [403]. **Aggregate** [1662].  
**Aggregating** [283]. **Aggregation** [1330, 3423, 3387]. **Aggregations** [1958].  
**Agley** [6]. **Agreement** [2832, 257].  
**Agricultural** [2629]. **AI** [2415, 2896, 1315].  
**aid** [3229]. **Aided** [57, 66, 58, 87, 90, 3234].  
**Aids** [2902]. **Air** [3481, 3491, 2225, 454, 1660]. **Aircraft** [855, 2804, 936]. **Airline** [2716]. **AKL** [1012]. **Al** [2937, 703]. **ALF** [1226]. **Algebra** [1181, 1982, 1944, 1873, 3369, 845, 479, 498, 1528, 3551, 2736, 3521, 1192, 698, 2146, 2142, 1458, 624]. **Algebra-Based** [845].  
**Algebraic** [3059, 1941, 1898, 3486, 2490, 1725, 519, 632, 315, 1526, 1891, 686, 2002, 2275, 2861, 1191, 1590, 3549, 1872, 72, 58, 403, 2761, 2762, 1199, 727, 1442, 3038, 1170, 3531, 626, 3241, 622, 634, 3455, 639, 801, 640, 641, 3469].  
**Algebras** [2313, 793, 1378, 2130, 633, 638, 2132].  
**ALGOL** [2320]. **ALGOL-like** [2320].  
**Algorithm** [229, 951, 3306, 2385, 2092, 3186, 1837, 1234, 1839, 1947, 3308, 3079, 2463, 504, 2990, 2714, 2703, 2702, 3150, 676, 960, 1842, 3129, 2717, 2087, 2063, 2644, 2654, 2973, 1728, 3075, 3501, 2689, 2439, 2031, 3147, 298, 1609, 3317, 606, 919, 587, 1649, 3151, 2042, 1644, 920, 355, 1274, 687, 2050, 893, 790, 1538, 1582, 3543, 1281, 3109, 2713, 1861, 2854, 309, 2701, 2633, 2831, 3328, 217, 3107, 2835, 2377, 1208, 839, 2716, 596, 1289, 3124, 2062, 3099, 458, 2699, 1865, 3448, 3451, 3461, 3248, 1139, 2117, 824, 3462, 1070, 1110, 3456, 3464, 802, 2214].  
**Algorithmic** [1710, 78, 2885, 1374, 2687, 2040].  
**Algorithms** [2601, 1835, 3558, 3104, 3136, 1237, 3548, 581, 3106, 1573, 2698, 3092, 3137, 2064, 2875, 3080, 354, 2593, 3103, 1845, 2662, 1591, 2626, 1847, 3500, 3542, 2690, 2688, 2689, 1198, 2712, 1848, 3078, 1704, 3508, 3133, 1852, 3083, 1257, 2634, 2027, 3082, 161, 2045, 892, 2033, 1200, 1615, 353, 1242, 3146, 446, 2026, 1855, 2312, 2603, 2643, 2676, 3091, 250, 3450, 3521, 1858, 2888, 3072, 3557, 3081, 331, 2995, 417, 3564, 2978, 2727, 1592, 2683, 3144, 3073, 2721, 1377, 1969, 2067, 3524, 882, 2169, 1219, 567, 3093, 2999, 2086, 2084, 3289, 1078, 1093, 825, 3225, 1509].  
**algorithms** [3477, 1077]. **Aliasing** [2569, 2506]. **Align** [159]. **Alignment** [1237, 1888, 1234, 1235, 154, 1241, 1240, 1135].  
**Alignment-Distribution** [154].  
**Alignments** [1236]. **all-digital** [803]. **All/**

**Nothing** [113]. **Allcache** [1575]. **Allegories** [1387]. **Allocation** [513, 1759, 2828, 529, 2544, 986, 1607, 1963, 1588]. **Allows** [1243]. **Almost** [98]. **ALOHA** [822, 566]. **ALOHA-based** [822]. **Alpha** [497, 1230]. **Alpha-Conversion** [497, 1230]. **Alphabet** [1244]. **Alphabet-Independent** [1244]. **Alphabetic** [1708]. **Alphabets** [1250]. **Altera** [2437, 2468]. **Altera-PLDs** [2468]. **Alternate** [133, 134]. **Alternating** [136, 1712]. **Alternation** [2309, 1404, 323]. **Alternative** [116, 1240, 41, 482, 2561, 21]. **Alternatives** [447]. **Always** [327]. **Amalgamated** [403]. **ambiguities** [1072]. **Ambiguity** [371, 2854, 3223]. **Ambiguous** [3321]. **America** [2921]. **among** [3546, 2709]. **Amorphous** [894]. **Amount** [2091]. **AMPHION** [3244]. **Amplifiers** [555, 546]. **Amplitude** [544]. **analog** [1070]. **Analogical** [2417, 603, 2151, 1312, 2152]. **Analogies** [3300]. **Analogue** [95]. **Analogues** [3513, 3076]. **Analogy** [2167, 3300]. **Analysar** [2098]. **Analyses** [2869]. **Analysing** [2064, 1613]. **Analysis** [380, 2280, 2494, 2574, 2696, 1326, 3059, 2283, 843, 421, 2759, 2847, 1761, 840, 655, 3335, 912, 1790, 3069, 1985, 514, 296, 149, 562, 666, 3102, 2501, 1211, 3054, 174, 173, 171, 3066, 3044, 36, 3393, 3067, 1732, 1596, 1721, 2178, 3064, 3063, 2674, 2582, 1695, 84, 586, 1334, 3055, 1242, 833, 88, 2675, 2568, 2850, 2764, 687, 2616, 3383, 1760, 2844, 501, 3048, 2592, 166, 3403, 2275, 1672, 690, 540, 143, 2697, 3395, 172, 2636, 827, 668, 940, 1702, 67, 2354, 3464, 3068, 694, 795, 1773, 656, 2671, 739, 90, 3289, 2029, 1491, 1078, 1495]. **analysis** [1498, 1499, 3461, 1430, 1489, 2119, 711, 713, 715, 821, 1504, 718, 1090, 1147, 1110, 3252, 1088, 1510, 1512, 1082, 1516, 1485, 820]. **Analytic** [1561, 375, 588, 1467]. **Analytical** [794, 1132]. **Analyzing** [3106, 850, 3376]. **Ancestors** [1860]. **And-Parallel** [1569]. **And-parallelism** [3061]. **Angular** [2690]. **animation** [640]. **Animations** [2872]. **Annealing** [1608, 3137, 2682, 2428, 3135, 3134, 898]. **Annotated** [2340]. **Annotation** [1933]. **Annotation-Based** [1933]. **Anomalies** [1762, 2825]. **Anomalous** [2959]. **Anonymous** [113]. **Answer** [305, 1026]. **Answering** [1805, 3230, 1438]. **Ant** [1956]. **Antenna** [534]. **Anti** [1788]. **Anti-Links** [1788]. **Anticipatory** [3087]. **Antiprenexing** [1775]. **APIs** [2525]. **apparent** [1039]. **Appendix** [2264]. **Applicability** [2512, 581, 1430]. **Application** [2993, 280, 368, 1669, 2378, 2653, 957, 2177, 2537, 2988, 1671, 3205, 1673, 2529, 1956, 2001, 1867, 2352, 269, 1687, 1807, 1393, 3095, 2804, 2054, 1663, 2735, 3512, 3187, 975, 3146, 1620, 1795, 1269, 1995, 1768, 990, 2983, 2716, 933, 2194, 3001, 2028, 1428, 1489, 3216, 1040]. **Applications** [3181, 3396, 3586, 3195, 570, 2668, 2759, 1911, 994, 1658, 3196, 1670, 993, 2669, 958, 889, 2395, 921, 3559, 2630, 2235, 2555, 1689, 1935, 2588, 3272, 2797, 3334, 2516, 3585, 2018, 965, 832, 576, 86, 394, 3398, 572, 265, 1745, 1322, 2394, 1880, 987, 3380, 2254, 2267, 3179, 969, 3590, 1347, 2743, 1009, 1119, 2375, 532, 973, 902, 2787, 757, 1917, 2009, 3281, 2014, 3172, 1659, 816, 1046, 3475]. **Applied** [2425, 2340, 3504, 892, 3519, 1407, 987, 936, 62, 3229, 1077]. **Applying** [206, 3145, 1596, 3348, 208, 1090, 3173, 3088, 1672, 2794]. **Approach** [1381, 445, 2997, 2574, 3168, 2530, 1386, 2163, 3487, 1628, 2208, 1944, 2847, 2353, 152, 3138, 3170, 3017, 2550, 1165, 46, 3121, 1832, 1272, 2829, 2863, 3349, 385, 3424, 564, 1275, 2289, 2957, 1932, 2754, 473, 600, 2555, 1929, 3498, 1831, 2421, 2772, 1807, 901, 845, 1821, 12, 2043, 174, 3020, 730, 2853, 2725, 2178, 1922, 1333, 905, 89, 2150, 1668, 2760, 1963, 2884, 1265, 609, 373, 2243, 3350, 2864, 59, 1345, 267, 2312, 177, 1822, 2396, 66, 2861, 1768, 448, 591, 188, 665, 3120, 990, 248, 2535,

3304, 2727, 1613, 2628, 1550, 517, 972, 1340]. **Approach** [1776, 1560, 21, 1743, 87, 2637, 3228, 3230, 1066, 3264, 2129, 1506, 1426, 1895, 3256, 3224]. **Approaches** [3339, 2944, 3158, 867, 2850, 2937, 2154, 913, 2393, 2260]. **Approaching** [2694]. **Appropriate** [2751]. **Approximability** [358]. **Approximable** [1988]. **Approximate** [1254, 1256, 1261, 3324, 2041, 3219, 3224]. **Approximately** [1239, 3323]. **Approximating** [2023]. **Approximation** [2060, 419, 3558, 1237, 2702, 2490, 3559, 1841, 1853, 3560, 2725, 1398, 1703, 2061, 2049, 2312, 3557, 418, 2694]. **Approximations** [2270, 3056, 1850, 306, 2216, 2322, 2715, 3463, 3262]. **AQDT** [3253]. **AQDT-2** [3253]. **Arbitrary** [3101, 2027, 3546, 142]. **Arbitration** [2591, 246, 2228]. **Arc** [2078, 2077, 1498, 1506]. **Arches** [6]. **Architectural** [520, 2531, 772, 1008, 2393, 2535]. **Architecture** [575, 2171, 182, 1959, 563, 2791, 2523, 4, 3416, 2401, 1561, 2669, 1016, 960, 1575, 2473, 2529, 844, 3435, 1684, 180, 462, 1656, 2445, 455, 1604, 2509, 2627, 1603, 506, 3575, 2657, 1602, 2444, 464, 613, 2551, 2427, 2481, 2950, 1006, 517, 3524, 3525, 3570, 3422, 2572, 3280, 3233, 3235]. **Architectures** [1748, 991, 2537, 989, 3499, 984, 2682, 2661, 953, 3510, 932, 2520, 3146, 1614, 1537, 3089, 3142, 969, 278, 882, 1601, 924, 2893, 2586, 1496]. **Archiving** [925, 3209, 1676, 3570]. **Arctic** [2612]. **Area** [2724, 573, 2391, 1129]. **Area-Efficient** [573]. **ARGS** [3432]. **Argument** [1995]. **Arguments** [288, 786]. **Aristotelian** [2093]. **Arithmetic** [2431, 2450, 3568, 2640, 2346, 2239, 795, 804, 1437]. **Arity** [1404, 1989]. **Arjuna** [295]. **Arm** [3085, 1130]. **Arnoldi** [957]. **Array** [664, 2673, 2579, 2632, 2480, 3054, 663, 1603, 146, 169, 3395, 172, 1006, 2633, 1560]. **Arrays** [2236, 149, 2425, 1363, 2441, 2052, 1207, 2581, 2459, 2652, 534, 2478]. **Arrival** [831]. **Arrowhead** [2681]. **Art** [2929, 803, 743]. **Artefact** [3426]. **articulated** [1094, 1040]. **Artifacts** [2774]. **Artificial** [2003, 2899, 1964, 3131, 2486, 1961, 2942]. **ARTMAP** [3132]. **ary** [2207, 2593, 540]. **ASIC** [2460]. **ASICs** [2453]. **Asides** [2151]. **Asking** [1313]. **Aspect** [1922, 1122]. **Aspects** [1941, 830, 1185, 2533, 2896, 1991, 1369, 1003, 2846, 1029, 1872]. **Assembly** [975]. **assertion** [1468]. **Assertions** [1744, 797]. **Assessing** [842]. **Assessment** [2920, 3173, 41, 18, 907]. **Assigning** [2084]. **Assignment** [1562, 168, 2399, 2408, 737]. **Assignments** [2003, 744]. **Assimilation** [902]. **Assistance** [2172]. **Assistant** [3429, 3037]. **Assisted** [1985, 269, 3004]. **Assistive** [2904, 2923, 2913]. **Association** [1107, 2921]. **Associative** [1454, 3230]. **Associative-Commutative** [1454]. **Assumption** [1786, 3268, 3470, 2134]. **assumption-based** [3268]. **assumption-commitment** [2134]. **Assumptions** [224, 1228, 223]. **Assurance** [2541, 3422]. **astronomical** [1439]. **Asymmetric** [1174]. **Asymptotically** [1851, 2676]. **Asynchronous** [2624, 1698, 2834, 212, 2026, 1699, 549, 698, 1450, 812]. **Asynchronously** [2285]. **Asynchrony** [3035]. **Atlanta** [2933]. **ATLAS** [1526]. **ATM** [575, 834, 3586, 3189, 3188, 2829, 3184, 3194, 836, 3177, 2406, 3202, 3193, 820]. **Atmospheric** [901]. **ATMSWSIM** [836]. **Atomic** [2496, 1747, 2822]. **Atomicity** [1685]. **Attack** [2240, 1943, 2245, 234, 2246, 805]. **Attacks** [127, 2218, 255, 1292, 254, 253]. **Attaining** [254, 253]. **Attempt** [2917]. **Attention** [3307, 1035]. **Attitudes** [1315, 2101]. **Attribute** [2419, 645, 646, 1813, 3228]. **attribute-oriented** [3228]. **Attributes** [586]. **Auctions** [1372]. **Audio** [3013, 2914, 562]. **Auditory** [2916].

**Augmentation** [2039]. **Authentication** [237, 2226, 247, 3407, 3406, 246, 2227, 2228, 3410, 234, 137, 93]. **Author** [138, 259, 1769, 2251]. **Authoring** [3441]. **Auto** [823]. **Auto-regressive** [823]. **Autoepistemic** [1303, 2186, 1306, 1309, 2209, 2201, 3268]. **Autogenerating** [3432]. **Automata** [1381, 1617, 2092, 420, 1628, 1583, 878, 1691, 422, 328, 3129, 2380, 1358, 1694, 310, 73, 3555, 1698, 2057, 2308, 685, 1619, 2310, 325, 1625, 1699, 3341, 3556, 1377, 757, 3118, 3039, 2126, 2149]. **Automata-Driven** [3556]. **Automata-Theoretic** [1628]. **Automated** [2198, 597, 917, 1264, 2197, 1641, 1329, 2968, 1938, 1479, 1416, 2365, 1428, 3265, 1480, 1485]. **Automath** [2870]. **Automatic** [1826, 493, 1636, 144, 1622, 151, 1488, 1002, 959, 3496, 74, 2626, 896, 2658, 2018, 298, 2985, 866, 833, 169, 1654, 3365, 924, 3244]. **Automatically** [847, 1661, 1421]. **Automaticity** [366]. **Automating** [68, 2890]. **Automation** [2871, 2863, 71, 1290, 3254]. **Automaton** [72]. **Autonomous** [3145, 2976, 2940, 1064]. **AUTONOMY** [2904]. **Availability** [153]. **Available** [280, 305]. **Avalanche** [100]. **Average** [2836, 2032, 1986, 2031, 1973, 1736, 1702, 3289]. **Average-case** [1702]. **Averaging** [590]. **Avoid** [1943, 120]. **Avoidance** [1013, 1027, 3583]. **Awareness** [21]. **AWGN** [806]. **Axiomatic** [1265, 1408]. **Axiomatisation** [1173]. **Axiomatisations** [749]. **Axiomatizing** [1158]. **Axiomatization** [361]. **Axiomatizing** [1914]. **Axioms** [1304, 1023].

**B** [1491, 1837, 2341, 3152, 3351, 1121]. **B-spline** [1121]. **B-Trees** [1837]. **B-W** [1491]. **Babel** [2361]. **Back** [1921, 648]. **Background** [262]. **Backmarking** [3373]. **Backtrack** [3558, 426, 1986]. **Backtrack-Free** [426]. **Backtracking** [1181, 3391]. **backward** [1491]. **Baden** [928]. **Baden-Wuerttemberg** [928]. **Balanced** [1589, 218]. **Balancing** [3490, 971, 2686, 982, 1963, 2685, 1612, 1556, 1613, 458]. **Baldwin** [3096]. **Ballistic** [2726]. **BAN** [112, 133, 134]. **BAN-logic** [134, 133]. **Bandwidth** [2399, 2410, 511, 2413, 1588]. **Banking** [2547]. **Banyan** [2584]. **Barcelona** [828]. **Bargaining** [1372]. **Base** [2955, 534, 2599, 928, 2191, 1948]. **Base-Station** [534]. **Based** [2170, 3047, 1942, 2997, 2574, 2171, 2153, 2385, 322, 2455, 2163, 421, 2653, 2242, 1302, 2219, 96, 241, 2569, 2164, 2177, 3170, 598, 147, 2698, 2166, 655, 2842, 2470, 966, 3129, 562, 2222, 95, 1597, 3159, 1932, 2456, 425, 3158, 1578, 2618, 1831, 830, 1339, 2784, 845, 3298, 1285, 2939, 2006, 2907, 2474, 2521, 1820, 2469, 997, 2682, 2428, 36, 3393, 3284, 3067, 3147, 249, 3397, 2183, 2853, 2357, 2178, 2472, 3300, 274, 3406, 1333, 1661, 2883, 2804, 2179, 2621, 2462, 161, 2151, 2485, 684, 3301, 2150, 86, 2227, 1599, 2782, 3344, 609, 3444, 1242, 2172, 396]. **Based** [833, 1610, 1889, 1933, 2764, 2432, 59, 3383, 2160, 2937, 2185, 2452, 2444, 1563, 3441, 2168, 643, 66, 3002, 3114, 63, 448, 658, 2174, 248, 3395, 523, 3304, 2687, 1804, 3427, 2978, 443, 401, 2158, 214, 1335, 2180, 58, 694, 2181, 215, 1810, 1566, 203, 1340, 1676, 3570, 3422, 2400, 316, 2561, 2169, 2802, 3165, 2011, 2617, 91, 2182, 2155, 2162, 2454, 2420, 76, 62, 2010, 85, 3390, 314, 1194, 1428, 1464, 1477, 626, 1494, 3227, 3228, 2143, 3229, 763, 2118, 3230, 1097, 1503, 1066, 3122, 3066, 1094, 3266, 3250, 3268, 1504, 3027, 1668, 1070, 1059, 1089, 172]. **based** [1484, 822, 817, 159, 1884, 2449, 978, 989, 914, 2434, 1825, 882, 2650]. **Bases** [2807, 1336, 3161, 442, 462, 2860, 413, 3463, 3251, 1438]. **Basic** [2001, 998, 751, 670, 2253, 2102]. **Basis** [957, 173, 3468, 637]. **Batch** [1591]. **Bayesian** [3248, 1891, 2989, 3240]. **BBN** [1007]. **BCH** [810]. **BCI** [2918]. **BDDs** [3265, 1451]. **Be**

[1000, 1918, 1742, 1741, 2946, 111, 2950]. **Beacon** [3406]. **Beam** [912]. **Bearings** [3519]. **Beats** [2328]. **Beginning** [34]. **Behavior** [1959, 1677, 1575, 2878, 3097, 3048, 3160, 1550]. **Behavioral** [2849, 1802, 1342, 449, 1796]. **Behaviors** [420, 1173, 700, 2149]. **Behaviour** [2639, 3087, 2821, 3130, 198, 471, 3341, 1161, 3346, 1340, 2129, 1511, 1894, 642]. **Behavioural** [2492, 501, 701, 634]. **Behaviours** [2370, 2161, 2145]. **behind** [1096]. **Belief** [2192, 2190, 382, 2418, 607, 1926]. **Beliefs** [1306, 2209, 3270]. **belongs** [3470]. **below** [2287]. **Benchmark** [951, 950]. **Benchmarking** [1899]. **Benchmarks** [2458]. **Bendix** [330]. **Benefits** [2910, 3043]. **Benes** [986]. **Benes-Type** [986]. **Bent** [99, 1295]. **BER** [557]. **BERKOM** [3197]. **Berlekamp** [802]. **Best** [1234, 2077]. **BETA** [781]. **Better** [2691]. **Between** [1179, 1772, 2654, 281, 1221, 23, 2307, 1189, 3089, 2161, 1325, 1693, 436, 3241, 3268, 92, 2781, 1425, 3564, 1050]. **Beyond** [3378, 2852, 883, 1634, 2527, 3160, 407, 1740, 3264, 1095]. **Bi** [452, 3154, 2985, 636]. **Bi-Gram** [2985]. **Bi-Partitioning** [3154]. **bi-rewriting** [636]. **Bias** [3150, 2998]. **Biases** [620, 619]. **Biconnected** [423, 2831]. **Bidiagonal** [3529]. **Bidirectional** [2973]. **Bidomains** [1716]. **Big** [2289]. **Bijjective** [124]. **bilattices** [3270]. **Binary** [2707, 1543, 2017, 2286, 370, 1838, 318, 2881, 427, 2081, 2305, 2311, 2070, 3564, 2080, 1864, 2368, 1435, 3464, 817]. **BIND** [2800]. **Binding** [522, 3575, 2806, 3231, 713]. **binding-time** [713]. **binocular** [1112, 1077]. **BinWAM** [2330]. **Biochemical** [3509]. **Biological** [3076, 890, 2182]. **Biology** [889]. **Biomedical** [2800]. **Biomolecular** [1678]. **Bipartite** [2076]. **Birational** [255, 214]. **Birkhoff** [1014]. **Birthday** [1351]. **Bisection** [2307]. **Bisimilarity** [363, 2117]. **Bisimulation** [3022, 1156, 1370, 2141, 1153, 362, 2138, 2137]. **BIST** [2437, 2568, 2454]. **BIST-PST** [2437]. **Biststructure** [2279]. **Bisttructures** [1716]. **Bit** [129, 238, 1967, 2232, 558, 1602, 571, 464, 548, 494, 239, 1297]. **Bit-Sequential** [1602]. **Bit-Serial** [571]. **Bit-Sliced** [464]. **Bit-Vector** [1967]. **Bits** [2047]. **BLAS** [860]. **Blind** [2914, 106, 2896, 2927, 2929, 2898]. **Blinde** [2930]. **Block** [2244, 1275, 1298, 249, 1276, 1292, 536, 1274, 125, 248, 2427, 1297, 876, 817, 812]. **Block-Ciphering** [1274]. **Blocking** [1551, 2619]. **Blocks** [2665, 3141, 670, 873]. **Blowfish** [1297]. **Board** [2485, 3027, 2660, 1006]. **Body** [3482, 3517, 898]. **Book** [1966]. **Bookreading** [2934]. **Books** [2935]. **Boolean** [3059, 421, 2341, 100, 2435, 2051, 1510, 301, 218, 1712, 2586]. **Boolean-valued** [301]. **bordered** [1516]. **BOSS** [3434]. **BOSS-System** [3434]. **Both** [2317, 3384]. **Bottlenecks** [2404]. **Bottom** [1437, 272, 715, 585, 1785, 440, 2335, 1473]. **Bottom-Up** [585, 2335, 1437, 272, 715, 1785, 440, 1473]. **Bound** [2724, 1733, 1844, 2292, 2644, 678, 1945, 2228, 1245, 547, 1738]. **Boundary** [2218, 1856, 819, 1101]. **Bounded** [2056, 2693, 2283, 2710, 1709, 388, 2222, 1846, 321, 1989, 1850, 350, 1507]. **Bounded-arity** [1989]. **Bounded-Degree** [1850]. **Bounding** [123]. **Bounds** [1381, 1692, 2284, 2236, 2698, 1842, 370, 3535, 1847, 1735, 2690, 2302, 1259, 2722, 1688, 2261, 432, 3549, 849, 2028]. **box** [2131, 1505]. **Boxes** [1160, 2247]. **Boxings** [3051]. **BPA** [2116]. **BPA-systems** [2116]. **Brain** [1677, 2918]. **Brain-Computer** [2918]. **Branch** [2644]. **Branching** [1628, 1900, 1923, 1918, 3567]. **Branching-Time** [1628, 1918]. **Breaking** [117, 2238, 2705]. **Breakpoints** [2838]. **Bridge** [2562]. **bridges** [3241]. **Bridging**

[3588, 2781, 441, 25]. **brightness** [1116]. **Bringing** [1211]. **British** [3333]. **Broadband** [3592, 2550, 3205, 2399, 3572]. **Broadcast** [129, 258, 1852, 1214]. **Broadcasting** [562, 2681, 1213, 2680, 725]. **Broader** [476]. **Broker** [1684]. **Browsing** [1978]. **BSP** [1605]. **BST** [1702]. **Buchberger** [2385]. **Buchi** [2057]. **Buechi** [1699]. **Buffer** [2608, 3191]. **Bugs** [2619]. **Build** [852, 1432]. **Building** [3141, 3241, 2521, 2183, 33, 944, 1322, 592, 295, 2787, 1421]. **Built** [337]. **Built-Ins** [337]. **Bulk** [1289]. **Bundle** [58]. **Burst** [1946, 558]. **Bus** [2680, 1578, 1212, 1552, 2477, 70, 3361]. **Bus-Based** [1578]. **Business** [1326, 210]. **Butterfly** [1007]. **Buy** [1920, 2689]. **Bypass** [1552]. **Byte** [1274]. **Byte-Oriented** [1274].

**C** [2536, 543, 2529, 2000, 2742, 663, 2855, 2477]. **C-TORI** [2742]. **C/TDMA** [543]. **CA** [1773]. **Cable** [3181]. **Cache** [1564, 1561, 1633, 2651, 669, 3048, 1563, 29, 2650]. **Cached** [273]. **Caches** [1562]. **Cachesim** [29]. **Caching** [460, 932]. **CAD** [2378, 864, 2469, 2442, 481, 66, 2950, 2753]. **CAD-Plans** [2950]. **CAFE** [3412]. **Calculable** [785]. **Calculate** [849]. **Calculating** [3471]. **Calculi** [1781, 1725, 679, 411, 1221, 1393, 1023, 1994, 1191, 1997, 748, 3541]. **Calculus** [2281, 3293, 3050, 753, 322, 3012, 1386, 1939, 1583, 2622, 1783, 1772, 1395, 2294, 1393, 272, 2381, 2841, 1397, 3317, 2965, 744, 1262, 3409, 2371, 1995, 1407, 2195, 2888, 1585, 789, 3037, 1645, 2979, 1568, 741, 1925, 1651, 3040, 677, 1980, 702, 2136, 729, 1483, 1460, 2131, 719, 2138, 696, 2135, 2137, 754]. **calibration** [1128, 1133, 1130, 1144]. **Call** [3050, 688, 1492]. **Call-by-Name** [688]. **Call-by-Value** [688, 3050]. **Camera** [917, 1128, 1144, 1881, 1133, 1054]. **Cameraman** [2018]. **cameras** [1145]. **Can** [1432, 224, 1000, 1918, 279, 111, 2314, 732, 852, 223, 1136]. **Canadian** [2895]. **Cancellation** [541, 540]. **Cancer** [1680, 610]. **Candidate** [2256]. **Canonic** [1148]. **Canonical** [389, 3124]. **Canons** [2105]. **cap** [1773]. **Capabilities** [288, 2733, 1812, 1414, 2572]. **Capability** [55]. **Capacity** [538, 531, 574]. **CAPTools** [966]. **Capture** [567, 566]. **Capturing** [2272, 1331, 1749, 1328]. **car** [1076]. **Card** [1686]. **Cardinality** [2941, 322, 1498]. **Care** [1254, 2548, 2177, 3196]. **Carlo** [908, 2470, 879, 2654]. **Carnap** [2186]. **Carrying** [497]. **Cartan** [1867]. **Cascades** [3141]. **Case** [2170, 2153, 3010, 3127, 2234, 2163, 3426, 2164, 2177, 2159, 2166, 2594, 3229, 2546, 38, 3362, 3298, 2945, 2939, 2183, 2178, 1736, 274, 2179, 2151, 2150, 1225, 2549, 1528, 2160, 2184, 2185, 2168, 2174, 503, 2262, 3304, 3337, 1590, 2950, 985, 295, 2180, 2165, 2181, 2802, 1415, 1558, 2182, 2155, 2162, 2010, 3289, 1869, 3230, 3242, 1702, 10, 1334, 1320, 2540, 87]. **Case-Based** [2170, 2153, 2163, 2164, 2177, 2166, 3298, 2183, 2178, 274, 2179, 2151, 2150, 2160, 2185, 2168, 2174, 3304, 2180, 2181, 2182, 2155, 2162, 2010, 3229, 3230]. **Case-Deliverer** [2184]. **Case-retrieval** [2950]. **Cases** [2156, 2373, 2184, 2173, 3327, 2165]. **Cash** [243, 424]. **CAST** [71, 67]. **CAST-Tool** [67]. **Catalog** [943]. **Catalyst** [2732]. **Catch** [788]. **Categorical** [1177, 759, 633]. **categorically** [2125]. **Categories** [1163, 635]. **Category** [1176, 1348]. **Cauchy** [177]. **Causal** [1205, 3214, 607, 588, 3171, 1143, 3238]. **Causality** [2316, 1518]. **cause** [1416]. **CBR** [576, 2154]. **CC** [1218, 2496, 3384, 3383]. **CCB** [27]. **CCB-Directed** [27]. **CCS** [492]. **CDMA** [538, 533, 562, 541, 534, 531, 540, 574, 561]. **CDMA-Based** [562]. **Cell** [575, 3098, 2473, 550, 3192, 574]. **Celloids**



[3131]. **Cellular** [543, 533, 422, 3129, 2425, 1363, 2308, 528, 1699, 534, 531, 560, 561]. **Center** [2927, 2928, 945, 1862]. **Centered** [182, 3170, 2735, 1321, 212]. **Centers** [941, 3213]. **Central** [2703]. **Centralized** [2479]. **Centres** [2920]. **CERFACS** [3495]. **CERN** [911]. **Certain** [1710, 569, 3471, 3466]. **certification** [630]. **Certified** [1229]. **CFB** [235]. **CFD** [1011]. **CG** [954]. **Chain** [2475, 2062, 2084]. **Chain-Like** [2084]. **Chaining** [2244, 1447]. **Challenge** [934]. **Challenge** [3505, 2576, 909]. **Challenges** [199, 261, 3444]. **Chance** [178]. **Chang** [132]. **Chang-Wu-Chen** [132]. **Change** [199, 3405, 2085, 2956, 82, 2191, 3263]. **Changes** [2876, 2685, 1098]. **Changing** [330]. **Channel** [529, 555, 551, 569, 2595, 536, 541, 807, 552, 3409, 537, 113, 2481, 565, 809, 810, 820]. **Channels** [1713, 556, 538, 535, 557, 547, 1951, 1497, 806, 813, 811]. **Chaos** [2242, 823]. **Chaotic** [3095, 3063]. **Characteristic** [582, 1257, 2050, 3453]. **Characteristics** [943, 2470, 558, 124, 251, 218]. **Characterizable** [294]. **Characterization** [1972, 2983]. **Characterizations** [292, 339, 2148]. **Characterizing** [701, 581, 2138]. **Characters** [1254]. **Charging** [2546]. **Charts** [2970]. **Cheap** [2689]. **Cheaper** [2839]. **Cheating** [101]. **Chebyshev** [1574]. **Check** [217]. **Checked** [736, 1432]. **Checking** [3045, 1382, 2837, 1643, 1386, 1628, 1947, 1594, 1650, 1653, 679, 1641, 3385, 1223, 1630, 3360, 480, 2792, 2745, 2575, 1634, 1620, 1632, 1647, 1645, 1219, 1917, 1712, 3472, 2121, 706, 2122]. **Checkpointing** [2573, 2583, 276]. **Checks** [1635]. **Chemical** [884, 1182, 1162]. **Chemistry** [3481, 905, 883, 870]. **Chen** [132]. **Chernoff** [2040]. **Chervonenkis** [304]. **Chinese** [2922]. **Chip** [2612, 2224, 2482, 3151, 572, 571, 804]. **Chip-Matched-Filter** [572]. **Chips** [486, 2277]. **Choice** [1696, 3077, 2961, 2146]. **Choices** [775]. **Chordal** [2703, 2643]. **Chords** [1843]. **CHORUS** [289, 2395]. **Chosen** [2245, 254, 253]. **Chromosome** [1259]. **CIAO** [3381]. **CIE** [1089]. **CIM** [2810, 2812, 87]. **CIO** [3198, 3591]. **CIPF** [591]. **Cipher** [2244, 1277, 1275, 1298, 1276, 126, 125, 1297]. **Ciphering** [1274]. **Ciphers** [1280, 105, 1286, 249, 136, 1299, 248, 1284, 217]. **Ciphertext** [254, 2246, 253]. **Circuit** [2878, 835]. **Circuits** [2569, 1387, 2269, 2880, 3147, 2013, 2467, 1200, 3537, 2568, 2432, 1654, 301, 2127]. **Circular** [2078, 2077]. **Circular-Arc** [2077]. **Circulation** [901]. **Circumscribing** [1912, 3263]. **circumscription** [1436]. **Circumscriptions** [2188]. **Circumscriptive** [2960]. **Citizens** [1015]. **clarification** [3218]. **Class** [1617, 2867, 2724, 1015, 476, 2985, 1342, 1625, 2603, 790, 518, 2335, 2145, 3446, 1424, 3471, 716, 722, 639, 3470, 834]. **Classes** [3290, 99, 2269, 3297, 1394, 1848, 360, 2272, 290, 1348, 2598, 517, 352, 2037, 710, 2849]. **Classic** [2953]. **Classical** [753, 2199, 3261, 321, 730, 3271]. **Classification** [581, 3311, 2939, 3300, 1889, 1348, 176, 2155, 3248, 824, 1052, 3223]. **Classified** [582]. **Classifier** [3121, 3087, 3123, 615, 3074]. **Classifiers** [606]. **Classifying** [943, 1378]. **Classroom** [27, 8]. **Clausal** [2367]. **Clause** [2363, 2212, 318, 2347, 1993, 1435]. **Clauses** [1016, 1993, 621, 1233, 1427]. **Cleaning** [1723]. **Cleanup** [1971]. **Client** [305, 2843, 114, 291]. **Client-Independent** [114]. **Client-Server** [305, 291]. **Climbing** [3125, 3134]. **Cliques** [1866, 376]. **Clock** [1288, 3021, 558, 571, 1857, 2091]. **Clocks** [2839, 2128, 698]. **Closed** [1930, 1786]. **Closing** [509, 617]. **Closure** [3306, 768, 1722, 1230]. **Closures** [1777].

**Clothing** [2753]. **clp** [2341, 2343, 1017, 2351, 3383, 3379, 1776, 2379]. **CLP-Language** [1776]. **CLP-Scheme** [1017]. **Cluster** [3502, 2053, 875, 861, 897, 3526, 947, 76]. **Cluster-Based** [76]. **Clustered** [3106]. **Clustering** [1826, 2997, 1680, 3293, 2415, 2470, 354, 1827, 2738, 3031, 611, 1105]. **Clusters** [3480, 3482, 3489, 934, 284, 969, 973, 1595, 314]. **CM** [3484, 3489, 148, 3449, 2602, 965, 3518, 893, 1606, 3450, 3521, 910]. **CM-2** [1606]. **CM-200** [3518, 893]. **CM-5** [3484, 3489, 148, 2602, 965, 3518, 893, 3521, 910]. **CM-5/CM-5E** [3484, 3521]. **CM-fields** [3450]. **CML** [3156]. **CMOS** [3147, 571, 2562]. **Co** [3086, 3297, 59, 3100, 1152, 1426]. **Co-Design** [59]. **Co-evolutionary** [3100]. **Co-Evolving** [3086]. **Co-Induction** [1152]. **Co-Learnability** [3297]. **Co-Operative** [3086]. **Coalgebra** [1192]. **Coalgebras** [1398]. **Coarse** [2663, 2087]. **Coarse-Grained** [2087]. **Coarsest** [1649]. **Code** [1011, 3482, 2665, 144, 651, 662, 3507, 1334, 2228, 665, 1547, 2889, 532, 3351, 549, 863, 2321, 872]. **Coded** [3183, 1951, 816, 809, 825, 806, 815, 820]. **Codes** [1942, 245, 1955, 1947, 966, 1950, 1946, 247, 1737, 246, 92, 372, 536, 573, 537, 165, 234, 1949, 1948, 810, 814, 817, 812]. **Codesign** [2472]. **Coding** [3094, 344, 533, 798, 807, 803]. **CODIT** [563]. **Coevolutionary** [3083, 3120]. **Cognitive** [3439]. **Coherence** [3443, 2651, 1563]. **Coherency** [1600]. **Coherent** [1564, 1610, 2961]. **Coherent-Cache** [1564]. **Cohesive** [8]. **cohomology** [3460]. **Coins** [242, 121]. **Collaboration** [3592, 22]. **Collaborative** [3440, 37, 1321, 212, 935]. **Collapses** [2021]. **Collecting** [3327]. **Collection** [3420]. **Collective** [1300, 3150]. **Collector** [2331, 2479, 1577]. **Collectors** [2332]. **Collins** [1443]. **Collision** [2712, 569, 887, 1068]. **Collisions** [118, 120, 119]. **Colonies** [1956, 1365]. **Color** [3192, 1664]. **Colored** [311]. **Coloring** [1562, 1975, 3544, 2067, 2037, 1865]. **colors** [1089]. **Coloured** [1497, 1185, 686, 849, 1493, 1506]. **Colouring** [2314]. **Combination** [1434, 331, 1443]. **Combinations** [1888, 1574, 3316, 307, 738]. **Combinatorial** [1842, 2296, 2015, 2299, 686, 3557]. **Combinatorics** [2080]. **Combinators** [1982, 766]. **Combinatory** [1527, 1530]. **Combine** [3169, 1097]. **Combined** [2574, 3498, 1066]. **Combining** [2350, 1521, 1470, 2341, 3367, 1725, 2949, 2349, 730, 1678, 2850, 1760, 1647, 1907, 1517]. **Comes** [2963, 1968]. **Comfortable** [2934]. **Comfortable-Digital** [2934]. **Command** [3432]. **Commercial** [859, 921, 2689, 10, 2852, 3398, 886, 8]. **Commitment** [238, 2232, 239, 2134]. **Common** [2060, 1248, 2971, 370, 1249, 1338, 1703, 302, 1311, 2276, 1860, 3465, 1134]. **Common-Sense** [2971, 1311]. **CommonKADS** [3156]. **Commonsense** [1810]. **Communicating** [1583, 2285, 1157, 2954, 3553]. **Communication** [1381, 2514, 2673, 775, 3188, 2843, 2526, 2607, 2292, 3212, 925, 2402, 2619, 156, 153, 2661, 219, 2517, 965, 1333, 2533, 2590, 558, 2485, 2576, 2042, 1534, 858, 3199, 2273, 949, 2676, 1535, 1537, 1688, 3198, 3591, 2817, 110, 1588, 3206, 3579, 848, 2903, 565, 2617, 3584, 3400, 956, 1497]. **Communication-Automata** [1381]. **Communication/Computation** [2673]. **Communications** [529, 2519, 2550, 1355, 946, 1555, 526, 1212, 1541, 2895, 3580, 2527, 1033, 2671, 542]. **Community** [43, 929]. **Commutative** [3310, 3071, 343, 1454, 3537]. **Compact** [3161, 1392, 2444]. **Compactness** [2187]. **Companies** [2813]. **Company** [2813]. **Comparative** [3332, 3133, 1078].

**Comparator** [2290]. **Comparing** [3339, 2644, 1397, 1362, 1238, 1413, 1530]. **Comparison** [2653, 232, 3491, 2698, 211, 2407, 2292, 2944, 2654, 3158, 3078, 2308, 1812, 2994, 588, 2154, 3089, 2995, 968, 554, 2552, 882, 3011, 1139, 1050]. **Comparison-Based** [2698]. **Comparisons** [1109, 799, 1043]. **Compatible** [2249]. **compensating** [1098]. **Competing** [3115]. **Competitive** [2280, 2064, 219]. **Competitiveness** [941]. **Compilation** [152, 995, 708, 3020, 1527, 1538, 1537]. **Compilative** [675]. **Compile** [3402, 156, 669, 165, 2671, 3057]. **Compile-Time** [3402, 156, 165, 3057]. **Compile-Time/Run-Time** [165]. **Compiler** [661, 155, 664, 2268, 269, 648, 2358, 2334, 663, 644, 643, 659]. **Compiler-Assisted** [269]. **Compilers** [152, 1000]. **Compiling** [1536, 2354, 652]. **Complement** [2066]. **Complementation** [1699]. **Complete** [2056, 1543, 2286, 2270, 3385, 347, 3569, 361, 2195, 1173, 936, 761, 595, 2145, 2058]. **Completeness** [1924, 2491, 2313, 3054, 1396, 3563, 349, 1916, 1640, 1486, 635, 1710]. **Completion** [2385, 2964, 372, 330, 1031, 2498, 1464]. **completion-based** [1464]. **Complex** [2465, 2759, 2431, 1794, 605, 410, 573, 88, 2955, 2771, 1793, 61, 67, 461, 404, 1495, 1119]. **Complexity** [1381, 1979, 2836, 3290, 3094, 421, 2284, 2083, 379, 1235, 2569, 2730, 364, 3536, 1388, 2269, 3534, 2291, 2292, 2644, 1390, 408, 2457, 3554, 2296, 1694, 104, 321, 1697, 1198, 2726, 2031, 3123, 2299, 360, 1362, 1215, 2068, 1363, 2704, 2069, 1736, 2272, 2243, 2311, 430, 324, 409, 1314, 66, 1688, 301, 2318, 3549, 2830, 366, 616, 304, 303, 1199, 3479, 1456, 806, 3454, 3465, 811]. **Component** [3571, 3332, 521, 2878, 1609, 2520]. **Components** [3162, 423, 9, 3574, 1373, 3427, 295, 2831, 2048]. **Composable** [3570]. **Composed** [1638]. **Composing** [2665, 1639]. **Composite** [1667, 251, 437]. **Composite-Object** [437]. **Composition** [780, 2344, 147, 1747, 392, 2392, 2149, 2121, 2132, 1439]. **Compositional** [2494, 1643, 1160, 1652, 2614, 1922, 3033, 2275, 2888, 1611, 1516, 2114]. **Compositionality** [490]. **Compositions** [1799, 2122]. **Comprehensions** [3054, 1896]. **Comprehensive** [19, 1504]. **Compressed** [1705, 1243]. **Compression** [2696, 1955, 2569, 118, 2440, 2066, 3192, 1242, 1243, 2330, 119]. **Computation** [2639, 3483, 1636, 2664, 2035, 3129, 83, 240, 1735, 2205, 2358, 170, 3067, 2641, 2634, 1678, 2248, 1603, 3537, 2058, 3077, 77, 3108, 3076, 1246, 1786, 1917, 3062, 1898, 1470, 1490]. **Computation/Communication** [2664]. **Computational** [3480, 2560, 966, 2546, 224, 3058, 1206, 2189, 2644, 390, 78, 871, 895, 1362, 1399, 3574, 3552, 1151, 2267, 1690, 3276, 2073, 223, 1087]. **Computationally** [913]. **Computations** [880, 2559, 2838, 144, 2723, 3497, 174, 1724, 392, 2322, 1554, 511, 1544, 1753, 1590, 2727, 1863, 2648, 1193, 3527, 3528, 3472, 3446, 3458, 2133, 2139, 3465]. **Compute** [2708, 1871, 1861]. **Computed** [678]. **Computer** [834, 3413, 1873, 828, 2919, 2914, 2654, 2811, 38, 1539, 984, 479, 2918, 2897, 2909, 3027, 1174, 736, 3438, 2423, 1004, 2660, 2921, 1612, 39, 2484, 6, 57, 66, 29, 34, 945, 887, 5, 58, 1752, 890, 2766, 2929, 3004, 2084, 87, 90, 1496, 1111, 3234, 3477]. **Computer-Aided** [57, 66, 87, 90, 3234]. **Computer-Checked** [736]. **Computer-Supported** [3438, 1752]. **Computerization** [57]. **Computers** [2574, 943, 878, 948, 3491, 2268, 2607, 1578, 3503, 506, 275, 3519, 969, 1006, 904, 3524, 1726, 877, 956]. **Computing** [1572, 1833, 1834, 979, 2446, 1301, 3485, 829, 282, 2910, 1873, 3536, 1236, 3494, 2470, 3459, 167, 3474, 3449, 946, 856, 900, 3502, 2021,

1020, 927, 942, 1257, 1678, 944, 2576, 2685, 883, 974, 2238, 3515, 2036, 2050, 1729, 945, 3269, 928, 2578, 1862, 317, 616, 304, 972, 3155, 2831, 3526, 776, 3469, 510, 933, 745, 2818, 3530, 1065]. **CONCAT** [2764]. **Concatenated** [533, 1950, 814]. **Concatenating** [1616]. **Concatenation** [245]. **Concatenations** [3319]. **Conceiving** [913]. **Concentration** [1551]. **Concept** [1300, 2208, 1336, 1305, 582, 2421, 605, 3324, 3341, 523, 614, 3255, 2915, 314, 815]. **Concepts** [2941, 2536, 190, 2104, 197, 2773, 2852, 1310, 1829, 82, 3325, 2551, 2253, 2255, 594, 139, 2321, 777, 631]. **Conceptual** [2112, 1330, 2110, 2107, 1814, 2109, 2760, 2100, 2103, 2097, 1341, 3156, 2094, 2102, 413, 2095, 1800, 1904]. **Concerning** [1363, 863, 3239]. **Conclusion** [2325, 2488]. **Concrete** [2654, 3430]. **Concurrency** [445, 1383, 775, 1984, 1201, 1719, 2860, 1399, 685, 525, 3357, 1189, 778, 1192, 3034, 1586, 2141, 748, 2134]. **Concurrent** [2281, 2624, 884, 765, 2938, 147, 2656, 2496, 515, 1183, 1700, 729, 3352, 1935, 31, 3381, 766, 516, 3348, 1187, 2660, 1745, 770, 1930, 397, 3384, 3383, 2370, 2324, 2487, 2369, 2580, 1746, 2497, 745, 2329, 468, 1032, 1194, 1488, 2119, 2133, 2123]. **Condition** [2882]. **Conditional** [1784, 2384, 2957, 2500, 3032]. **Conditionals** [1316, 3257, 3266]. **Conditions** [2481, 1718]. **Conference** [3590]. **Conferencing** [3195, 3587, 3204]. **Configurable** [3175]. **Configuration** [298, 2581, 2900, 2562]. **Configurations** [1768]. **Confirmer** [2220]. **Conflict** [2822, 3373, 3438, 1514]. **Conflict-free** [2822]. **Conflicts** [2938, 2976, 2892]. **Confluence** [2500, 689, 1407, 1415]. **Confluent** [2371]. **Conforming** [2599]. **Congestion** [2602, 3583, 3584]. **Congestion-Free** [2602]. **Congruence** [666, 361, 1173, 362, 2138, 2144]. **Congruences** [3051]. **Congruity** [2019]. **Conjectures** [1774]. **Conjugate** [955]. **Connect** [2039]. **Connected** [2682, 1609, 815]. **Connecting** [3442, 1856]. **Connection** [2827, 2195, 1425, 3484, 3485, 3489, 965, 3518, 893, 1606, 3521]. **Connectionist** [2997, 2422, 139]. **Connectionist-Symbolic** [2997]. **Connections** [1552, 1207]. **Connectivity** [1840, 1728, 2069, 652]. **Connotation** [2764]. **Conquer** [926]. **Conscious** [513]. **Consensus** [1235, 2821, 2834, 2817]. **Consensusless** [2435]. **Consequences** [2513, 135]. **Conservative** [3497, 1436]. **Conservativeness** [789]. **Conservativity** [1221]. **Consideration** [3419, 87]. **Considerations** [64, 1278]. **Considering** [1327]. **Consistency** [1388, 2379, 2189, 3374, 1120, 2745, 1425]. **Consistent** [3313, 2049, 2583, 1030, 303, 1325]. **Constant** [667, 1210, 2695, 2678, 332, 3108, 2705, 2722, 1460]. **Constant-Space** [2705]. **Constant-Time** [1210]. **constants** [3478]. **Constrained** [2203, 2667, 3555, 2196, 2715, 1094, 1471]. **Constraint** [3047, 2385, 3388, 2378, 319, 1840, 2759, 675, 889, 2341, 1783, 2342, 426, 2340, 2358, 3385, 3381, 3375, 3083, 654, 3373, 733, 3316, 3392, 3398, 2792, 2376, 397, 2452, 2324, 2487, 690, 3394, 2856, 2806, 3100, 3395, 3380, 3372, 3382, 2375, 2369, 3389, 2377, 2329, 3390, 699, 706, 707, 819, 723, 2123, 2382]. **Constraint-Based** [3047, 2385, 2452, 3395, 3390]. **Constraint-Generating** [3388]. **Constraint-Programming** [2856]. **Constraints** [3386, 1979, 3396, 2350, 1797, 1723, 2387, 328, 672, 2380, 2389, 201, 1937, 3374, 3393, 3371, 2390, 684, 1991, 2386, 2085, 1756, 2675, 1581, 1870, 2371, 2370, 3379, 490, 3387, 2429, 3376, 592, 2365, 3377, 1437, 1097, 3233, 1455, 1044, 1454]. **Constructing** [3494, 3473, 2789, 2311, 3326]. **Construction**

[2693, 1837, 957, 3046, 2645, 2076, 2822, 168, 3006, 246, 2305, 1793, 2257, 3004, 1479, 3256]. **Constructions** [1995, 107, 629]. **Constructive** [800, 675, 2274, 3302, 591, 2947, 1458]. **Constructor** [689]. **Constructor-Sharing** [689]. **Constructs** [2614, 1696, 734]. **Consumer** [2009]. **Containment** [2998, 1648]. **Content** [431, 444]. **Contention** [568, 2820, 847, 848]. **Contents** [455, 1664]. **Context** [3195, 579, 1626, 2990, 2005, 1357, 2998, 1021, 682, 1721, 1238, 1366, 2764, 2728, 18, 1258, 3329, 2999, 2120, 2117, 2122]. **Context-Free** [1626, 2990, 1357, 2998, 2728, 1258, 3329, 1366, 2120, 2117, 2122]. **Contexts** [2106, 2104, 2105, 2772, 3258]. **Contextual** [2109, 797, 397, 2959, 1061]. **Continuation** [1179, 1587, 723]. **Continuations** [2337, 722]. **Continuing** [2897]. **Continuous** [2395, 3374, 1529, 2413, 3142, 2464]. **contour** [1039, 1142, 1041]. **contours** [1113]. **Contraction** [165]. **Contractions** [2975]. **Contradicting** [3372]. **Contradiction** [1013, 1266, 1027]. **contradictory** [3236]. **contrapositives** [1422]. **Contribution** [3169]. **Control** [445, 559, 580, 3013, 598, 2902, 1622, 1594, 3092, 917, 2345, 1154, 1772, 2001, 855, 2911, 3362, 3086, 2860, 914, 649, 3509, 71, 2462, 3191, 2913, 1600, 3097, 2337, 2767, 1758, 193, 778, 3139, 2398, 560, 2354, 3415, 2400, 2903, 2009, 3584, 739, 62, 90, 561, 1042, 1081, 1489, 1035, 1503, 1451, 1057, 803, 3224]. **Control-Flow** [739]. **Control-Parallel** [1594]. **Controllable** [2218]. **Controlled** [380, 1288, 1364, 3423, 3036, 3231]. **Controller** [2006, 2469, 2012]. **Controllers** [2556]. **Controlling** [2769, 591, 3119, 3116, 312]. **Controls** [3424]. **Conventional** [3372]. **Convergence** [3104, 772, 3111, 3107]. **Convergency** [2281, 2029]. **convergent** [1093]. **converging** [1087]. **Conversational** [3440]. **Conversion** [497, 1230]. **Convex** [1839, 3548, 2710, 2087, 1392, 3056, 3516, 3549]. **Convexity** [1210]. **Convolution** [1528]. **Convolutional** [1950, 536, 573, 812]. **Cook** [349, 1349]. **Cooperate** [2769]. **Cooperating** [1319, 1354, 2946, 1373]. **Cooperation** [3574, 3203]. **Cooperative** [979, 3205, 1656, 1323, 191, 2742, 3438, 937, 3120, 1782, 2743, 1513, 1752]. **Coordinate** [2484]. **Coordinated** [198, 1963, 1965]. **Coordination** [775]. **Coping** [2820]. **Coplanar** [1890]. **Copying** [383, 2331]. **Coq** [1780, 1225, 1229]. **CORDIC** [2484]. **Core** [1695]. **Core-ML** [1695]. **COREA** [1583]. **Coreferent** [2105]. **Cores** [2083]. **corners** [1053]. **Corpus** [3002]. **Correct** [3016, 662, 1946, 2334, 3019, 3020, 3323]. **Correcting** [1942, 92, 545]. **Correction** [1774, 1120]. **Correctness** [1385, 1594, 453, 3006, 657, 1712, 628]. **Correlation** [3102, 107]. **Correspondence** [1177, 1890, 1870, 1061, 1065]. **Cost** [1692, 2032, 3058, 2456, 666, 856, 1020, 608, 263, 2042, 3108, 1537, 2687, 1006, 956]. **Cost-Sensitive** [608]. **Costs** [3043, 1737]. **Cosy** [661, 661]. **Cosynthesis** [2455]. **Cottage** [2931]. **Could** [2689]. **Count** [2332]. **Countable** [2124]. **Counterexamples** [2274]. **Counters** [1610]. **Counting** [2719, 2089, 2287, 1204, 3453, 1456]. **Coupled** [2803, 2605, 1721, 646, 3144]. **Coupled-Context-Free** [1721]. **Coupling** [2852, 905, 646]. **Course** [14, 2483, 12, 33, 34]. **Courses** [15, 11, 14, 13]. **Cover** [1972]. **Coverage** [2557, 2563, 574]. **covered** [1507]. **Coverings** [1952]. **Covers** [2435, 2027, 3259]. **CPS** [677]. **CPS-Translation** [677]. **CPU** [3185]. **CQL** [1686]. **Craig** [1411]. **CRANIUM** [2609]. **Crashworthiness** [858]. **Cray** [3508, 1004, 949, 3520, 2610]. **Creating**

[3168]. **Creation** [2521, 2508, 2534]. **Creativity** [2150]. **credible** [3217]. **Crew** [2716]. **crisis** [1416]. **Criteria** [2175, 2419, 3083, 1619]. **Criterion** [1385, 100, 312, 813]. **Critic** [3142, 1417]. **Critical** [556, 3489, 2166, 3353, 2442, 3029, 2315, 2566, 1465]. **Cross** [1868, 1871, 375, 1889, 706]. **cross-fertilization** [706]. **Cross-Ratios** [1868]. **Crossover** [3116, 3118]. **Cryptanalysis** [233, 2242, 132, 1286, 2226, 1288, 2216, 2215, 3410, 2213, 126, 2214, 235]. **Cryptanalytic** [127]. **Crypto** [2224]. **Crypto-Chip** [2224]. **Cryptographic** [2219, 241, 2240, 2225, 2233, 1296, 1371, 1372]. **Cryptography** [2234, 3272, 257, 97]. **Cryptologist** [103]. **Cryptosystem** [2092, 96, 2245]. **Cryptosystems** [2242, 1290]. **Crystal** [896, 897]. **Cs** [361, 950]. **CS-2** [950]. **Cs-Congruence** [361]. **CSCW** [2741]. **CSP** [1598]. **CTA** [3200]. **CTL** [1643]. **Cube** [2596, 2586]. **Cubes** [1413, 2593]. **CUE** [3165]. **cues** [1116, 1114]. **Cultivating** [3443]. **Culture** [47]. **Cumulative** [1014]. **cure** [1416]. **Curing** [2959]. **Current** [3489, 2897, 3235]. **Curriculum** [22]. **Curvature** [2710, 1110]. **Curve** [95, 1123, 1075, 3469]. **Curved** [1849, 1882]. **Curves** [2707, 1876, 2218, 1867, 1891, 3533, 1880, 2048, 1126, 3448, 1124, 3473, 3453, 1046, 801, 3452, 1053]. **Custom** [2446, 2470]. **Customising** [1759]. **Cut** [379, 1028, 2701]. **Cuts** [1727, 2036, 2077]. **Cutting** [1709, 2753]. **Cycle** [2027, 2045]. **Cycles** [2719, 3368, 1731, 3451]. **Cyclic** [1204, 1565].

**d** [2739, 1074, 3282, 3492, 1048, 2075, 2480, 1883, 874, 997, 3284, 1887, 3153, 1891, 2760, 1116, 1059, 1885, 1870, 1088, 1872, 1119, 1082, 1037, 1091, 1108, 62, 1121, 872, 876]. **D-optimal** [3153]. **D0** [2198]. **D2014** [3201]. **DAG** [2718]. **Damped** [2611]. **Dangerous** [1369]. **Data** [2776, 1683, 65, 368, 1384, 2449, 3169, 568, 1797, 1180, 144, 667, 556, 305, 2622, 151, 2669, 2451, 1830, 533, 3339, 1001, 439, 1002, 2859, 1653, 666, 1005, 1662, 3497, 2731, 982, 1687, 550, 153, 2602, 1223, 3273, 2411, 3095, 454, 1661, 3274, 3285, 158, 903, 1252, 607, 3319, 3277, 1571, 260, 3321, 3278, 2108, 2042, 3055, 1534, 1242, 2706, 528, 850, 501, 3324, 77, 988, 1679, 165, 2748, 1509, 1822, 1538, 2214, 1606, 1567, 308, 1003, 145, 172, 1996, 503, 1685, 659, 3275, 3582, 961, 1337, 440, 694, 2330, 2567, 902, 567, 924, 3276, 1289, 3280]. **Data** [3281, 1805, 3040, 1565, 3400, 1904, 2142, 3256, 2213, 1606]. **data-driven** [3256]. **Data-Flow** [1180, 667, 666, 694]. **Data-Oriented** [3280]. **Data-Parallel** [2622, 1001, 982, 145]. **Data-Procedural** [2449]. **Database** [2776, 1346, 3386, 2795, 381, 1680, 1667, 2419, 1669, 2788, 1939, 1675, 1924, 2808, 2796, 3421, 3282, 1658, 2843, 1832, 2842, 3420, 438, 439, 921, 3370, 1673, 2733, 2768, 2803, 453, 1656, 2797, 3385, 1820, 2786, 2841, 2734, 2742, 2800, 2804, 733, 2769, 1678, 922, 410, 3277, 1668, 2760, 2922, 1600, 1808, 1679, 1606, 2801, 1686, 2793, 1682, 1825, 2951, 2765, 1660, 2752, 2750, 2794, 3279, 404, 1665, 1800, 458, 1659, 3267, 1906, 1899, 1903, 1901, 1905]. **Database-Coupled** [2803]. **Databases** [2190, 2810, 1754, 888, 436, 2112, 2744, 1670, 1819, 452, 1828, 1684, 3283, 213, 2780, 2298, 2785, 434, 759, 2804, 3285, 1829, 2755, 3392, 2805, 609, 2792, 2756, 449, 3423, 1348, 2771, 464, 2746, 1657, 407, 2757, 3422, 1925, 1801, 314, 1897, 1898, 1900, 1896, 3228, 3217, 1902, 1895]. **Dataflow** [3017, 1599]. **Dataflow-Based** [1599]. **Datalog** [408, 1437]. **Datapath** [2482]. **Datapaths** [2445]. **Datarol** [1604]. **Datarol-II** [1604]. **Datatypes** [2873]. **David** [478]. **Davis** [2368]. **Day** [2920]. **daylight** [1089]. **DBJ** [458]. **DBMS** [1677, 1575, 1672, 437, 2758, 1676]. **DBMS-Based** [1676]. **DBPL** [1681].

**DBROUGH** [3250]. **DBS3** [1575]. **DC** [1773]. **DDAS** [1569]. **Deadline** [3042]. **Dealing** [1913, 3239]. **Debugging** [991, 175, 665, 3376]. **Decade** [3554]. **Decades** [3305]. **Decentralized** [116]. **Decidability** [679, 2389, 363, 1156, 1624, 1927, 3553, 2115]. **Decidable** [763, 684, 2373, 1625, 1461, 2317, 3039, 2116]. **Deciding** [382, 1691, 1357, 2117]. **Decision** [3164, 2288, 2881, 498, 2081, 608, 313, 585, 2311, 2541, 590, 3564, 495, 3549, 1965, 2080, 2368, 1926, 3229, 3253, 3224]. **Decision-Making** [1965]. **decisions** [3246]. **Declarations** [2965]. **Declarative** [1755, 3236, 1789]. **Decoders** [573]. **Decoding** [1952, 1947, 215, 1951, 818, 813, 817]. **Decomposability** [382]. **Decomposing** [3105, 777]. **Decomposition** [1326, 3484, 3421, 676, 960, 3547, 423, 1360, 965, 2306, 903, 3455, 2062, 314]. **DECT** [530]. **Dedicated** [2521, 1283, 3201]. **Deduction** [2336, 1933, 1938, 1231, 2365, 1428, 3265, 1480, 1454]. **Deductive** [2776, 1754, 3287, 1781, 439, 2733, 2298, 410, 2805, 2792, 1341, 1439, 404, 1898, 1481, 3271]. **Deep** [2889]. **Deepness** [1211]. **Default** [1301, 2202, 1306, 1308, 2958, 1316, 2959, 3269]. **Defaults** [1303, 405, 2952]. **Definable** [2301]. **Define** [2917]. **Defined** [394, 475, 787]. **Defining** [755, 2509, 626]. **Definite** [2363, 2347, 3243]. **Definition** [2083, 1557, 1345, 469, 703, 3260, 1502]. **Definitional** [1023, 1031]. **Definitions** [755, 3538, 1305, 1018, 3345, 476, 2103, 1151, 1410, 704, 1483, 3249, 1426]. **Deforestation** [3070, 694, 726]. **deformable** [1134]. **Degree** [2044, 2693, 2218, 49, 2291, 1850, 3543, 3459]. **Degrees** [472, 2300]. **Delay** [2563, 3513, 2429, 2403, 549, 2091]. **Delayed** [3087, 653, 3088]. **Delays** [3186]. **Deletion** [1364]. **Deletions** [2064]. **Deliberative** [1927]. **Deliverer** [2184]. **Delivery** [2802, 21]. **Delta** [293, 3148, 1176, 1473, 3201]. **Delta-4** [293]. **delta-Functors** [1176]. **delta011** [1773]. **delta011-CA** [1773]. **Demand** [2397, 2408, 2409, 668]. **Demonstrating** [3206]. **Demonstration** [3436]. **Demonstrational** [3431]. **Denotational** [740, 659, 707]. **Dense** [958, 2066, 3521, 1107]. **Densities** [2178]. **Density** [2465, 3446, 2033, 2464]. **Density/Performance** [2464]. **Dependability** [2574, 2576]. **Dependable** [2578]. **Dependence** [513, 667, 2352, 2674, 663, 2675, 3395]. **Dependence-Conscious** [513]. **Dependences** [172]. **Dependencies** [3388, 3060, 3414, 1801, 1565]. **Dependency** [3059, 2806]. **Dependency-Directed** [2806]. **Dependent** [1643, 512, 831, 1790, 869, 1238, 2232, 3326, 1569, 1498]. **Deployment** [2442]. **Deposition** [2726]. **Depth** [1833, 1551, 332, 3537, 301, 1116, 1134]. **Derivation** [435, 2625, 3032, 1483]. **Derivational** [2167]. **Derivations** [1001, 385, 386, 389, 1408]. **Derivative** [3117]. **Derived** [3291, 2881, 1798, 3255]. **Deriving** [2145, 3060, 3370, 2626, 1584, 1114, 1341, 2332]. **Describing** [1662, 1793]. **Description** [472, 3577, 387, 2207, 2542, 365, 2900, 1760, 2952, 1886, 1297, 70, 1438]. **Descriptive** [1362, 366]. **Descriptions** [582, 64, 3160]. **Descriptor** [77]. **Design** [1012, 2559, 3010, 1669, 2436, 3426, 2668, 35, 2471, 2164, 2606, 3282, 3170, 1761, 37, 881, 2218, 2231, 3367, 2876, 1275, 224, 2611, 3207, 2, 519, 1286, 539, 2457, 1391, 1807, 2483, 31, 338, 2474, 2434, 3381, 3147, 1327, 1596, 10, 2183, 2442, 189, 2815, 300, 3438, 208, 2884, 3437, 275, 2570, 2466, 782, 1808, 59, 3354, 1269, 2783, 115, 3394, 2861, 448, 990, 2888, 1749, 1283, 3152, 2478, 1344, 2978, 67, 2628, 58, 2765, 203, 2752, 3425, 992, 2572, 1798, 2650, 3041, 90, 1194, 705, 223, 634].

**Designated** [2220]. **Designing** [1346, 3141, 3404, 3016, 2843, 3414, 2, 2555, 391, 2906, 2746, 2247, 2230]. **Designs** [1574, 3153, 2885]. **Desk** [2391]. **Desnakification** [2721]. **Destruction** [1793]. **Destructive** [402]. **Detailed** [870]. **Detecting** [2707, 1431, 2619, 587, 2950, 1592]. **Detection** [356, 3402, 543, 2539, 2571, 2570, 2026, 82, 1375, 544, 2580, 839, 3057, 808, 1071, 1070, 1052, 1101, 1137, 822]. **Detector** [532]. **Detectors** [2834, 542, 1055]. **DETERM** [1811]. **Determinant** [2022]. **Determinants** [1868]. **Determination** [2985, 2096, 1099, 1138]. **Determine** [3088]. **Determining** [2019, 288]. **Determinism** [3384, 3401, 2124]. **Deterministic** [1784, 2285, 1395, 1811, 1696, 2833, 2052, 2057, 325, 2722, 692, 335, 788]. **Determinizable** [1617]. **Determinizing** [1698]. **Develop** [1670]. **Developing** [2755, 1229, 658, 973, 1655, 87]. **Development** [3092, 2862, 3349, 2630, 2457, 2618, 3366, 946, 507, 1549, 2469, 2472, 1329, 2735, 3512, 3344, 2848, 3030, 975, 2864, 2540, 450, 2801, 2858, 3008, 2846, 3209, 187, 1324, 474, 1325, 3356, 1476, 1484]. **Developmental** [2629]. **Developments** [954, 1474]. **DEVI** [3377]. **Devices** [456, 865, 2408, 2461]. **DFR** [3209]. **DFS** [2718]. **DFS-Forests** [2718]. **Diagnoser** [1789]. **Diagnosis** [2574, 2163, 2172, 2584, 85]. **Diagnostic** [3163, 2174, 2677, 1491]. **Diagonal** [1207, 2697]. **Diagonals** [334]. **Diagram** [1839, 2708, 2080]. **Diagrams** [2289, 2881, 2081, 2016, 374, 764, 2311, 1190, 3564, 2368]. **Dialog** [2946]. **Dialogue** [51]. **Dialogues** [1782]. **Diameter** [1706, 1862]. **diamond** [1125]. **Dictionaries** [1250]. **Dictionary** [1250, 1661]. **Dictionary-Matching** [1250]. **Difference** [3513, 3340, 2337]. **Different** [3133, 867, 3564, 352]. **Differential** [233, 3486, 1646, 83, 1286, 2215, 3519, 234, 1624, 544, 808, 1117, 1075]. **Differential-Linear** [2215]. **Differentially** [97]. **Differentiation** [959, 1956]. **Differing** [503]. **Difficult** [200]. **Difficulties** [1876]. **difficulty** [3445]. **Diffie** [2238]. **Diffraction** [912]. **Diffuse** [3132]. **Diffusion** [78, 2777, 1099]. **Digest** [2439]. **Digital** [1942, 116, 2221, 3412, 2463, 1767, 2483, 2935, 2392, 2404, 2884, 572, 528, 2484, 571, 2934, 131, 2443, 2561, 1540, 3093, 810, 3215, 803, 130]. **Digraphs** [311]. **Dilated** [2591]. **Dilation** [1202, 2678]. **Dilemma** [576, 1960]. **Dimension** [717, 304, 1969, 301, 1090]. **Dimensional** [1705, 1868, 539, 1005, 1946, 1244, 865, 2597, 1203, 1953, 3377, 1916, 1601, 877, 1097, 1038, 1118]. **Dimensioning** [987]. **Dimensions** [2019, 374, 2200, 310, 616]. **Dining** [2835]. **Diploid** [3099]. **DIPOL92** [615]. **Direct** [1179, 879, 1112, 2443, 549, 542, 1102]. **Direct-Sequence** [549, 542]. **Directed** [2221, 3080, 651, 2718, 1727, 2806, 3148, 27]. **Direction** [2749, 1098]. **Directional** [3045]. **Directions** [3396, 37]. **Directly** [1243]. **Disabilities** [2895]. **Disability** [2922]. **Disabled** [2926, 2919]. **Discarding** [2405]. **Discipline** [2, 2398]. **Disclosure** [3423, 2775]. **discontinuities** [1099]. **discontinuous** [1062]. **Discourse** [2096]. **discover** [1465]. **Discovering** [599, 756, 588, 314]. **Discovers** [3129]. **Discovery** [2544, 2769, 3321, 3228, 3250, 3254, 3235]. **Discreet** [244]. **Discrete** [229, 2219, 2238, 1620, 612, 3448, 3477]. **Discriminant** [296]. **Discriminate** [2974]. **Discussion** [24, 128]. **Disequality** [2350, 328]. **Disjoint** [2017, 2038, 1852, 2307, 1729, 2700, 1434]. **Disjunctive** [408, 2797, 1785]. **Disk** [2225, 273, 161]. **Disk-Based** [161]. **Disorder** [2283]. **Disparity** [1073]. **Disparity-space** [1073]. **Dispatcher** [2479]. **Dispatcher-Collector** [2479]. **Dispatching**



[1765]. **Dispelling** [3338]. **dispersion** [3478]. **Display** [3273]. **Dissemination** [1215, 2413]. **Dissipation** [2429]. **Distance** [3200, 51, 123, 2034, 1866, 2516, 1259, 2643, 1949, 1050]. **Distance-Hereditary** [1866]. **Distances** [2963]. **Distinct** [1829]. **Distinguishing** [2925]. **distortion** [1110]. **distortions** [1116]. **Distribute** [159]. **Distribute-based** [159]. **Distributed** [1572, 906, 2826, 2836, 2814, 1205, 384, 2838, 991, 2560, 1487, 3490, 781, 3492, 2740, 2241, 3416, 3213, 2537, 938, 151, 2875, 522, 1666, 955, 3414, 149, 959, 3205, 989, 1204, 784, 2662, 838, 3499, 772, 783, 896, 1553, 874, 1633, 3272, 1589, 174, 1757, 434, 649, 3083, 3023, 2027, 1570, 3180, 9, 932, 866, 1571, 1963, 2538, 2685, 3572, 3204, 2652, 867, 2706, 3031, 782, 974, 2812, 1961, 3199, 1581, 1765, 2783, 1538, 983, 987, 293, 2888, 1577, 945, 1556, 1611, 1592, 3144, 444, 295, 999, 3206, 972, 2831, 776, 2589, 933, 3240, 2818, 774]. **Distributed** [964, 876, 3594, 1906]. **Distributed-Memory** [896]. **Distribution** [256, 237, 199, 1734, 132, 151, 154, 1700, 1002, 3207, 773, 158, 3325, 124, 251, 137, 1071, 2133]. **Distribution-Free** [3325]. **Distributions** [831, 997, 1265]. **Distributive** [2302]. **Disunification** [2373]. **divergence** [1417]. **Divergent** [3021]. **diverging** [1087]. **Diversification** [3077]. **Diversity** [2570, 2572, 3099]. **Divide** [926]. **Divide-and-Conquer** [926]. **Divided** [1143]. **Division** [2727, 532, 549, 3449, 3447]. **divisionless** [802]. **divisor** [3465]. **Dlogtime** [340]. **DNA** [2277, 309]. **DNF** [3309]. **Do** [150, 2270, 2734, 2590, 988, 1585]. **Do-Loop-Surface** [988]. **Document** [2788, 1674, 1512]. **Documentation** [2179]. **Documented** [3432]. **Documents** [2993, 2924, 2926, 2740, 2925, 3570]. **Does** [2769, 2845, 852]. **DOF** [1040]. **Doing** [13]. **Domain** [488, 2163, 2523, 1715, 1776, 1478]. **Domains** [209, 1015, 3046, 1164, 1356, 681, 1168, 1169, 3378, 1663, 605, 685, 1153, 1170, 3216]. **Dominating** [1866, 376]. **Don't** [1254, 1635]. **Door** [645]. **Double** [1873, 385, 1292]. **Down** [43, 2737, 1473]. **DP1** [611]. **DPL** [778]. **DPSK** [809]. **DQPSK** [554]. **Drawing** [416, 1120]. **Drawings** [2691, 2690, 1970, 2070]. **Dream** [576]. **Driven** [2170, 2550, 2451, 84, 3322, 3556, 2429, 2761, 3042, 1123, 3043, 3256]. **Driver** [2937]. **Drives** [2225]. **Driving** [3177, 2336, 796]. **Drug** [881]. **DS** [538, 572, 540, 812]. **DS-CDMA** [538, 540]. **DS-Spread** [572]. **DS/CDMA** [812]. **DSA** [110]. **DSP** [2472, 2443]. **Duality** [1980, 281]. **Duals** [2104]. **Duper** [496]. **Durability** [1685]. **Duration** [3014, 3037, 3009, 2135]. **Durations** [3028]. **During** [1342, 450, 3428, 330]. **Duumvirate** [2337]. **Dwell** [548]. **Dynamic** [2807, 2795, 1667, 559, 529, 3246, 2414, 884, 225, 1763, 971, 1356, 2686, 986, 1591, 2352, 2718, 830, 1847, 3126, 550, 3391, 2773, 68, 2769, 1612, 3519, 1582, 2004, 143, 1793, 2996, 1860, 1588, 1332, 2400, 2454, 1743, 2790, 3390, 458, 2129, 1504, 3232, 1054]. **Dynamical** [1693, 3523]. **Dynamically** [1724, 2411, 3570, 1764]. **Dynamically-Typed** [1724]. **DynamicPVM** [971]. **Dynamics** [3480, 2190, 3489, 3490, 878, 3492, 599, 871, 3509, 1957, 3512, 3097, 893, 897, 886, 894, 3119, 3073, 3527, 139, 3518]. **Dynamization** [426]. **E-** [1464, 1462]. **E-Complete** [2270]. **E-Unification** [1778, 2195, 1463]. **Early** [141, 610, 3171]. **Ears** [2306]. **earth** [3213, 3213]. **Easy** [2904, 2300, 110]. **Easy-to-Use** [2904]. **EASYPVM** [970]. **ECA** [1894]. **echocardiographic** [1079]. **ECMWF** [899]. **Eco** [1365]. **ECOLOG** [2382]. **Economics** [506]. **Economy** [365]. **Eden** [2726]. **Edge** [2707, 1709, 2288, 2038, 1852, 684, 3113,

2039, 2700, 2699, 2037, 1865, 1055].  
**Edge-Coloring** [2037, 1865].  
**Edge-Disjoint** [2038, 1852, 2700].  
**Edge-Ranking** [2699]. **Edit** [1240].  
**Editing** [2731]. **Editor** [1226, 1483].  
**Editors** [2924]. **Education** [32, 26, 40, 48, 44, 3, 51, 30, 38, 2516, 23, 41, 3234].  
**Educational** [3442, 2459, 18, 2929]. **EECA** [2770]. **EER** [1809]. **EFFECT** [3511]. **Effect** [555, 2595, 3096]. **Effective** [1386, 1873, 2579, 3367, 856, 2860, 1586].  
**Effectively** [958]. **Effectively-Dense** [958].  
**Effectiveness** [263]. **Effects** [3428, 620, 3140]. **Efficiency** [543, 2341, 3318, 1420]. **Efficient** [3472, 3059, 3010, 2693, 2665, 1205, 270, 3286, 1234, 2331, 3308, 3295, 1781, 3411, 1763, 2046, 2035, 2327, 2632, 1209, 3547, 354, 2197, 2235, 2293, 2626, 240, 2878, 836, 1641, 3231, 170, 3385, 1696, 2682, 427, 649, 2071, 454, 516, 3064, 2133, 2066, 2781, 161, 2045, 2306, 1259, 1903, 825, 3533, 1571, 2756, 573, 2042, 1534, 2739, 1664, 325, 1739, 3048, 3325, 2433, 2603, 165, 1535, 113, 3521, 143, 658, 2405, 3556, 945, 659, 3564, 1786, 214, 3579, 1864, 2377, 3528, 1917, 3062, 1712, 1764, 2790, 2084, 2699, 1502, 3192]. **Efficiently** [167, 1973]. **egomotion** [1080]. **Eiffel** [3349].  
**Eigenproblems** [860]. **Eigensolution** [3524]. **Eigenstructure** [3483].  
**Eigenvalues** [3485]. **Elasticity** [290].  
**Elderly** [2904]. **Election** [1851, 687, 113].  
**Electromagnetic** [864]. **Electron** [912].  
**Electronic** [880, 2924, 3440, 2902, 3411, 424, 553, 2936].  
**Electrosmog** [864]. **Element** [2653, 859, 869, 1211, 3503, 3504, 2178, 965, 892, 1672, 928, 863]. **Elementary** [3015, 498, 1374, 1161]. **elements** [1127, 818]. **Elf** [1481]. **Eliminating** [1564, 495]. **Elimination** [514, 1224, 3071, 1422]. **Elliptic** [2218, 95, 3473, 3453, 3452]. **Embedded** [1017, 856, 2442, 299, 302]. **Embedding** [661, 472, 1202, 2286, 1848, 2889, 1203].  
**Emerging** [297]. **Emotion** [1959].  
**Empirical** [3078, 3444, 588, 2154, 3427, 1325].  
**Employers** [2933]. **Empty** [2309, 3546].  
**EMS** [1669]. **Emulation** [2471, 2453].  
**Emulations** [2722]. **Emulator** [2454].  
**Enablers** [289]. **Enabling** [2522, 553, 1494].  
**Enactment** [202, 199, 192, 193].  
**Encapsulated** [737, 3382]. **Encapsulation** [2339, 522]. **Encipherment** [2214].  
**Encoding** [2600, 1967, 1227]. **Encrypting** [1282]. **Encryption** [258, 240, 2213, 2220, 1281, 1289, 810].  
**encyclopedia** [1432]. **End** [570, 2532, 2524, 3576, 648, 2804, 2393, 3279].  
**End-systems** [2393]. **End-to-End** [2532, 2524, 3576]. **End-User** [3279].  
**Endeavour** [2929]. **Endstations** [3178].  
**Endsystem** [3588]. **Energy** [912].  
**Enforcement** [2804, 1901]. **Engine** [855, 1226]. **Engineering** [1683, 42, 26, 40, 48, 3, 4, 51, 1819, 2167, 43, 53, 38, 2646, 12, 210, 28, 1820, 23, 3433, 2781, 1334, 2884, 2510, 6, 13, 41, 56, 34, 3427, 5, 518, 87, 623, 3254, 49]. **English** [3002].  
**Enhanced** [2519, 2401, 2914, 1544, 970, 528].  
**Enhanced-TDMA** [528]. **enhancement** [3248]. **Enhancements** [3507]. **Enhancing** [3076, 1685, 1800, 1565]. **Enough** [318].  
**Enriching** [2744, 2948]. **ENSOLV** [1011].  
**Enterprise** [282, 1331]. **Entities** [1300, 1798]. **Entity** [237, 1819, 1811, 2772, 140, 1822, 1806, 1804, 1810, 1813].  
**Entity-Relationship** [1819, 1811, 140, 1822, 1806, 1810, 1813].  
**Entrenchment** [2961]. **entropy** [825].  
**entropy-coded** [825]. **Enumerable** [3290, 3297]. **Enumeration** [2998].  
**Enumerations** [1394]. **enumerative** [1122].  
**enumerator** [1478]. **Environment** [906, 280, 556, 2471, 3442, 938, 2451, 2528, 114, 844, 784, 3005, 1714, 3211, 1821, 2508, 2382, 1549, 3433, 2769, 944, 937, 2629, 3572,

3204, 1321, 1615, 867, 975, 88, 1739, 2616, 1795, 2534, 3166, 1547, 29, 1825, 980, 3582, 554, 1595, 3183, 1324, 2775, 3526, 2762, 916, 2182, 2753, 2566, 485, 566, 3248, 1476].

**Environmental** [1766, 1668, 3281, 928].

**Environments**  
[3480, 2740, 3494, 2863, 1794, 2521, 10, 414, 790, 3441, 66, 560, 968, 3206, 546].

**ENZO** [3138]. **ENZO-M** [3138]. **EOL** [2318]. **EP** [951]. **Ephemeral** [3573]. **Epipolar** [1036, 1869, 1146, 1047]. **Epistemic** [2953, 1305, 3540, 2961, 1965, 3257, 3259].

**EPOCA** [844]. **Epoch** [1482]. **EPOS** [1319]. **equal** [1514]. **Equality** [429, 1408, 1996, 2196]. **Equality-Testing** [429]. **Equalization** [546, 803, 811].

**Equalizers** [545]. **Equals** [1013, 1027].

**Equation** [2495, 1712, 1380]. **Equational** [2494, 2387, 2966, 1724, 3312, 1434, 1456, 1427]. **Equationally** [394]. **Equations** [2867, 3486, 2271, 83, 2635, 2293, 2068, 2304, 1367, 3519, 873, 1720, 1379, 2014].

**Equations-Solving** [2014]. **Equilibratory** [1963]. **Equipments** [2903]. **Equiprobable** [1737]. **Equivalence** [1643, 1981, 420, 3309, 1990, 794, 1908, 1366, 2238, 441, 688, 2728, 2318]. **Equivalences** [1717, 751, 732, 2115]. **Equivalent** [2336, 1394, 2220]. **ER-Based** [1825].

**ER-Model** [1661]. **Erasure** [536].

**Eratosthenes** [1225]. **EREW** [2717].

**Ergonomics** [3439]. **Ergosemiotics** [3425].

**Erlangen** [60]. **Errata** [2000]. **Error** [1942, 809, 285, 2565, 547, 803, 1592, 548, 2580, 303]. **Error-control** [803].

**Error-Correcting** [1942].

**Error-Detecting** [1592]. **Errors** [1946, 92, 558]. **ERT** [2758]. **ERT-SQL** [2758]. **ESM** [392]. **ESPRIT** [3412, 1010, 857]. **Essence** [796, 524].

**Essential** [3369, 2103, 1045]. **Essentials** [3242, 1749]. **Establishing** [2827].

**Establishment** [3409]. **Esterel** [1652].

**Estimates** [1020]. **Estimating** [3105, 3058, 847, 586].

**Estimation** [3012, 2990, 2987, 547, 837, 457, 1103, 1062, 1048, 1112, 1066, 1094, 1080, 1116, 1043, 1045, 811]. **Estimators** [549]. **Estuary** [904]. **Ethics** [38]. **Euclidean** [1867, 1878].

**Euler** [963, 874, 875, 873]. **Euler/Navier** [875]. **EUODHILOS** [1482].

**EUODHILOS-II** [1482]. **Eurescom** [3182].

**Europe** [3200, 929, 852]. **European** [857, 935, 3202, 941, 2545]. **EUROPORT** [857]. **Evaluate** [2509]. **Evaluation** [2673, 1574, 3157]. **Evaluation** [2475, 950, 1521, 2455, 994, 460, 2737, 1819, 2558, 2593, 3248, 838, 3345, 1639, 953, 530, 557, 796, 2410, 922, 952, 1644, 867, 3429, 3359, 3148, 2161, 3119, 67, 440, 826, 3262, 1437, 722, 726]. **Evaluations** [962].

**Evaluators** [646]. **Even** [106, 2983, 2328, 1731]. **Event** [147, 1666, 1811, 2206, 2565, 2621, 3436, 612, 1375, 400, 2761, 1925, 1895]. **Event-Based** [147, 2621]. **Event-Driven** [2761]. **event-oriented** [1895]. **Event-Tuned** [1811]. **Events** [1921, 1332, 3239]. **Eventual** [2496]. **Every** [2017]. **evidence** [3222].

**Evidential** [2747]. **Evolution** [3101, 3138, 3079, 2842, 3098, 1867, 2773, 3111, 1342, 3117, 449, 527, 1348, 63, 2774, 407, 890, 3143, 3096, 1659, 1123, 720].

**Evolutionary** [3104, 3136, 2530, 3090, 3122, 3078, 3151, 1034, 3077, 3091, 3076, 3152, 3148, 3109, 3155, 3074, 3100]. **Evolvable** [3145]. **Evolving** [183, 2791, 1958, 3086, 414, 2745, 2775, 3140].

**Exact** [2730, 2640, 307, 172, 339, 2727].

**Examination** [3346, 2677]. **Example** [272, 2895, 2913, 88, 205]. **Examples** [2865, 270, 3286, 2208, 3308, 3295, 1352, 3442, 83, 582, 3312, 3313, 604, 3320].

**Exaptive** [3130]. **ExBase** [3278].

**Exceptions** [2768, 653, 3057]. **Exchange** [3404, 108, 109]. **Exclusion** [504, 1858].

**Exclusions** [1015]. **Executed** [575].

**Execution** [1543, 2537, 1750, 653, 269, 1580,

2620, 1593, 1751, 143, 1548, 2416, 1569, 916, 839, 3185, 3231]. **Exemplar** [3516]. **Existence** [2083, 238, 595, 239, 1418, 624]. **Existentially** [2235]. **Existing** [3285, 1685, 3590]. **Exotic** [2821]. **Expandable** [836]. **Expander** [425]. **Expanders** [2604]. **Expansion** [1317, 2485]. **Expansive** [3094]. **Expectations** [1260]. **Expected** [370, 1550, 3544]. **Experience** [1011, 15, 4, 2539, 2656, 148, 3495, 33, 2466, 13, 2932]. **Experiences** [32, 3486, 2463, 141, 828, 840, 19, 3499, 1334, 977, 3395, 27, 3337, 204, 2929, 863, 3518]. **Experiment** [206, 2583, 3139]. **Experimental** [3355, 1016, 3205, 982, 2213, 827]. **Experimenting** [1964]. **Experiments** [3163, 1421, 995, 1957]. **Expert** [597, 2791, 2777, 2767, 81, 2802, 2753]. **Expertise** [3168]. **experts** [3217]. **Explained** [2156]. **Explanation** [2170, 268, 2163, 3301, 133, 2176, 3561, 1428, 134]. **Explanation-Based** [2163, 3301, 1428]. **Explanation-Driven** [2170]. **Explanatory** [3442]. **Explicit** [2294, 874, 3345, 731, 1228, 1266, 1997, 2099, 3466]. **Explode** [1635]. **Exploiting** [2111, 3005, 1714, 153, 2809, 3077, 1863]. **Exploration** [2795, 1646, 2859, 3278, 3281]. **Exploratory** [2705]. **Exploring** [1458, 3431]. **Exponential** [2282, 1171]. **Exponentiation** [2223]. **Exporting** [1453]. **Express** [778, 968]. **Expressed** [1809]. **Expressing** [1894]. **Expression** [3577, 1400]. **Expressions** [270, 2673, 3308, 3295, 1644, 1505, 1140]. **Expressive** [408, 1396, 1695, 1228, 3417]. **Expressiveness** [1696, 409]. **Expressivity** [1897, 2622]. **Extended** [1819, 2733, 3342, 140, 1452, 2786, 2069, 1661, 3274, 1822, 1786, 2080, 1497, 1509, 1894, 3192]. **Extendibility** [784]. **Extending** [383, 3186, 702, 2212, 2395, 2840, 160, 1807, 479, 1827, 3436, 3565]. **Extends** [574]. **Extensible** [740, 1795].

**Extension** [2663, 1472, 2218, 3418, 2916, 743, 1421]. **Extensional** [1725, 1397, 1460]. **Extensionality** [1224]. **Extensions** [1301, 1330, 242, 1802, 36, 2674, 586, 732, 1532, 2959, 1506]. **Extent** [3055]. **Exterior** [3504]. **External** [3566]. **Extra** [1784, 2469]. **Extra-Fast** [2469]. **extracted** [1107]. **Extracting** [3061, 1069, 2099, 3246]. **Extraction** [1779, 753, 1092, 785, 1115, 1140]. **Extrapolation** [3486, 2636, 1556]. **Extreme** [2826, 1392]. **Eye** [2942, 1057, 1144]. **eye-head** [1057].

**F** [3227]. **F-logic** [3227]. **Face** [1098]. **facial** [1140]. **Facilitate** [3168, 1342]. **Facility** [1346, 2588, 1810]. **Facing** [261]. **Factor** [2421]. **Factoring** [94, 2816, 3456, 3477, 1442]. **Factorization** [231, 3467, 3454, 1051]. **Factorizations** [96]. **Factors** [1596, 3515]. **Factory** [2751]. **Fading** [538, 535, 541, 537, 540, 560, 565, 809, 806]. **Fail** [238, 239]. **Fail-Stop** [238, 239]. **Failure** [43, 1308, 2834, 2835]. **Failures** [3550, 302, 133, 134]. **Fair** [1717, 3532]. **Fairness** [1648, 3552, 1598, 2135]. **fall** [1143]. **Fallacies** [2274]. **Falling** [43]. **False** [156, 1774]. **Families** [245, 2981]. **Family** [2465, 1007, 746, 1001]. **Far** [549]. **Fast** [2692, 2591, 3487, 1277, 1954, 2819, 2046, 1239, 522, 3069, 3090, 2111, 1728, 1974, 1707, 2435, 2712, 2469, 1721, 1276, 2052, 1310, 2685, 1243, 2239, 2824, 1295, 1674, 2259, 2448, 3271, 2580, 1978, 2086, 2117, 3462, 2214]. **Faster** [2696, 3566, 2590, 334, 327, 1731]. **Fat** [2724, 2709]. **Fat-Trees** [2724]. **Fault** [2559, 3010, 297, 2557, 2569, 2606, 305, 2579, 2558, 261, 1213, 284, 2605, 2588, 271, 2053, 2424, 2554, 2853, 299, 3022, 273, 3027, 2581, 302, 3007, 287, 2587, 263, 289, 3030, 265, 2570, 2564, 2026, 2584, 293, 295, 2556, 278, 992, 2572, 2586]. **Fault-Based** [2853].

**Fault-Tolerance** [992, 2586].  
**Fault-Tolerant** [2559, 3010, 2606, 2579, 1213, 2605, 2554, 3022, 3007, 3030, 2556].  
**Faults** [1692, 2250, 2723, 2832, 2571, 2563, 287, 2454, 2566]. **Faulty** [2585, 2676, 2481, 1690]. **Favorite** [3554].  
**FD** [2379, 2343]. **FDM** [529, 1903]. **FDM/TDMA** [529]. **FE** [859]. **Feasible** [358, 2581]. **Feature** [2796, 2539, 2984, 600, 1885, 2747, 1115, 1140, 3256]. **Features** [2388, 1912, 2840, 1338, 1004, 1890, 3263].  
**Federating** [2780, 1816]. **Federation** [1682].  
**Feedback** [559, 569, 3431, 3428]. **Feelable** [2909]. **FeelMouse** [2909]. **Feistel** [1299].  
**fertilization** [706]. **FFT** [2631, 1291].  
**FFT-Hashing** [1291]. **FIAT** [171]. **Fiber** [1553]. **Fibonacci** [2065]. **Fibrational** [759].  
**fibred** [635]. **Field** [230, 2470, 2480, 2682, 2428, 2482, 2459, 937, 531, 1880, 2478, 804, 1111, 1046].  
**Field-Programmable** [2482]. **Fields** [229, 3055, 77, 2048, 872, 3448, 1062, 800, 3449, 3467, 1036, 3471, 1079, 1107, 3473, 3453, 801, 3466, 3450]. **Fife** [1350]. **File** [2814, 3416, 2410, 932, 1243, 2409, 2790].  
**Files** [464]. **Filter** [2463, 572, 2413, 545, 571]. **Filtered** [2243, 3119]. **Filtering** [1954, 454, 3193, 814]. **Filters** [780, 1762, 1540, 1067]. **FIN** [288, 3297].  
**FIN-Identifiability** [3297]. **FIN-Type** [288]. **Final** [1149, 1192]. **Financial** [1670, 1671]. **Find** [120]. **FINDER** [1478].  
**Finding** [2826, 2719, 358, 368, 1234, 2703, 1843, 2290, 3313, 2027, 3063, 378, 2049, 1731, 3445, 1113].  
**Fine** [2663, 680, 1604, 1580, 2486, 2466, 2346, 446, 165]. **Fine-Grain** [1604, 1580, 2346].  
**Fine-Grained** [2486, 2466].  
**Fine-Granularity** [446]. **Finest** [2321].  
**Fingerprint** [924]. **Finitary** [1018]. **Finite** [229, 2092, 1386, 2653, 96, 1015, 859, 3017, 1183, 422, 869, 1017, 2296, 1211, 3503, 3504, 360, 2437, 2178, 310, 3378, 3063, 965, 892, 2308, 372, 536, 1403, 343, 290, 1672, 1173, 2317, 482, 1478, 1290, 3545, 1776, 2048, 863, 3448, 800, 1488, 804, 3467, 1127, 3473, 3453, 801, 1416, 1469]. **Finite-Domain** [1776].  
**Finite-State** [1386, 1183, 482, 3545, 1488].  
**Finitely** [2035, 3475]. **Finiteness** [1718].  
**Firms** [2752]. **First** [742, 911, 1302, 2492, 1015, 3079, 2871, 1725, 3332, 411, 321, 895, 716, 1919, 2213, 2185, 790, 688, 34, 2995, 164, 1060, 1325, 3247, 1429, 722, 1450, 1427].  
**First-Class** [1015, 790, 716, 722].  
**First-Order** [742, 2492, 2871, 321, 1919, 688, 1429, 1450, 1427]. **Fish** [1277]. **Fit** [1970, 2713, 1071]. **Fitch** [1479]. **Fitch-style** [1479]. **Fitness** [3101]. **Fitt** [3426]. **Five** [42, 1972, 261]. **Fix** [1917]. **Fix-Points** [1917]. **fixating** [1112]. **Fixed** [1251, 2271, 1989, 3067, 1999, 697, 825].  
**Fixed-point** [1989]. **Fixed-Queries** [1251]. **fixed-rate** [825]. **fixedpoint** [1426].  
**Fixpoint** [3069, 1644, 3062]. **Fixpoints** [3063]. **Flang** [2364]. **Flatness** [1916].  
**Flexibility** [2465]. **Flexible** [2807, 3200, 522, 2904, 2627, 2223, 782, 1320, 446, 1348, 613, 2551, 1100]. **Flight** [2804, 1082]. **Floating** [2571].  
**Floorplanning** [584]. **Flora** [2736]. **Flow** [1011, 3402, 1180, 667, 3424, 1154, 666, 2974, 892, 1793, 936, 2354, 3523, 694, 1660, 2567, 656, 739, 3193, 872, 876, 1058, 1062, 1064, 1107, 1508, 1043, 1099, 1044, 1060, 861].  
**Flow-Fields** [872]. **Flows** [869, 879, 904, 870]. **Flowshop** [3092].  
**fluent** [3263]. **Fluents** [1912, 3263]. **Fluid** [3480, 871, 3523]. **Fly** [167, 1647, 3048].  
**FM8501** [3593]. **FMC** [3532]. **FNT** [2580].  
**Focus** [3307, 2174]. **Foil** [3410]. **FOL** [792].  
**Folded** [2676, 1535]. **Following** [1053].  
**force** [3229]. **forces** [1108]. **Forecast** [899].  
**Forests** [1864, 2718]. **Forgery** [1942]. **Form** [168, 690, 1590, 696, 3255, 802]. **Formal** [3355, 2436, 1631, 2557, 3338, 3577, 3170, 2874, 2876, 3370, 3331, 53, 3366, 3332, 2772, 2625, 3334, 2785, 36, 2442, 1329, 3348, 2542,

2884, 2885, 2553, 2968, 3350, 1760, 69, 658, 1793, 2952, 3072, 503, 3157, 2991, 1550, 3365, 469, 70, 776, 3041, 3042]. **Formalisation** [2539, 2886, 1337]. **Formalised** [2889]. **Formalising** [3369, 3333]. **Formalism** [1830, 2011, 3242]. **Formality** [472]. **Formalization** [1302, 587, 3340, 483, 490, 3260]. **Formalizing** [207, 473]. **Formally** [487]. **Format** [750, 362]. **Formation** [1198, 605, 909]. **formedness** [1514]. **Forming** [2993, 853, 1310]. **Forms** [1330, 703]. **Formula** [1643, 3032]. **Formula-Dependent** [1643]. **Formulae** [1028]. **Formulas** [3309, 161, 1424, 3220, 3466]. **Formulated** [958, 792]. **Formulation** [759, 3073, 1058, 715]. **Forth** [1921]. **Fortran** [664, 152, 994, 993, 998, 997, 1004, 996]. **Forward** [276, 561]. **Forwarding** [2412]. **FOSSIL** [583]. **Foundation** [3540, 2510, 1025, 2369]. **Foundational** [699]. **Foundations** [3566, 1391, 3392, 3387, 3425]. **Founded** [1309, 1402, 1785, 1898]. **Four** [1840, 301, 799]. **Four-Connectivity** [1840]. **Fourier** [2243]. **FPGA** [2475, 2455, 2471, 2456, 2430, 2457, 2460, 2439, 2434, 2445, 2442, 2441, 2467, 2486, 2484, 2444, 2427, 2429, 2448, 2454]. **FPGA-Based** [2434]. **FPGA-to-ASIC** [2460]. **FPGAs** [2431, 2479, 2483, 2469, 2428, 2424, 2458, 2466, 2432, 2433, 2481, 2443, 2426]. **FPL** [2449, 2477]. **FPL-Based** [2449]. **FPMCM** [2482]. **Fractal** [2440, 1689, 3177]. **Fractional** [537]. **Fractional-Rate** [537]. **Fragment** [1383, 2870]. **Fragmentation** [2555]. **Fragmentation-Redundancy-Scattering** [2555]. **Frame** [2971, 1867, 2405]. **Frame-Induced** [2405]. **Frames** [2803, 1103]. **Framework** [1826, 206, 1779, 3174, 1766, 2984, 2531, 14, 2402, 2667, 153, 171, 3066, 336, 2211, 3348, 410, 2755, 212, 670, 177, 1793, 3190, 1782, 3203, 1033, 3155, 2080, 2750, 1925, 2412, 3172, 85, 700, 1115, 634, 3268, 720, 1134]. **Frameworks** [211]. **Free** [1920, 1350, 1710, 1626, 2990, 1357, 2460, 426, 2998, 2602, 682, 1721, 923, 343, 3325, 2024, 2314, 1857, 2728, 1258, 440, 618, 3329, 2999, 1949, 2120, 2870, 2822, 2117, 2122, 1366, 2825]. **Free-Text** [923]. **Freeness** [3061]. **Frequency** [538, 535, 551, 557, 807]. **frequency-hopped** [807]. **Frequency-Phase** [535]. **Frequency-Selective** [538]. **Front** [570, 2804]. **Frontier** [434]. **Fronts** [1211, 1034]. **FSM** [2437, 75]. **FTM** [2583]. **FTMPS** [992]. **FTMPS-Project** [992]. **Full** [728, 1164, 463, 2063, 2472, 920, 396, 3517, 2320, 3254]. **Full-Speed** [2472]. **Full-Text** [463]. **Fully** [225, 2917, 729, 2297, 724, 2148]. **Fully-Accessible** [2917]. **Function** [421, 118, 1677, 117, 3063, 2503, 2965, 1745, 307, 2314, 120, 3120, 3119, 548, 618, 2246, 352, 3096, 2420, 119, 3457, 1058, 703, 823, 1460]. **Function-Based** [2420]. **Function-Free** [618]. **Functional** [2665, 2362, 35, 3539, 3353, 2207, 473, 2358, 2797, 2658, 3044, 647, 730, 1571, 2348, 2736, 737, 2890, 985, 2354, 2757, 1801, 787, 709, 715, 722, 723]. **Functional-Logic** [2348]. **Functional-Style** [2736]. **Functionals** [77, 1405]. **Functions** [3290, 3059, 3195, 2363, 3101, 2236, 245, 2221, 232, 1164, 1165, 99, 1646, 100, 678, 2059, 3297, 390, 2435, 3111, 249, 2081, 798, 1292, 2051, 1620, 2103, 1283, 248, 2687, 1284, 301, 1155, 107, 218, 1877, 1884, 2420, 1494, 1441, 3455]. **Functors** [1176, 721]. **Fundamental** [2707, 1876, 1147]. **Fundamentals** [140, 2013, 933]. **Furniture** [2811]. **Further** [2901, 2260, 2073]. **Fusion** [158]. **Future** [3396, 3502, 2517, 1919, 2576, 2534, 69, 936,

278, 2094, 803]. **Fuzzy** [2415, 2419, 2414, 2417, 3121, 2001, 2007, 2006, 2469, 2013, 3300, 2422, 1668, 3218, 2002, 3132, 2004, 2416, 2009, 2420, 2012, 3226, 3220].

**GA** [3154, 3097, 3119, 3099].  
**GA-Individuals** [3097]. **Gaining** [3328].  
**GAITS** [3234]. **Galaxies** [909]. **Galois** [3460]. **Game** [2388, 1983, 1960]. **Games** [244, 760, 1401, 1370, 1688, 3545, 828].  
**Gang** [6]. **Gap** [23, 509, 2781]. **Gaps** [25].  
**Garbage** [2331, 3420, 1577, 2332]. **GARF** [783]. **Gas** [878, 3493, 2974, 861].  
**Gas-Liquid** [2974]. **Gastric** [610]. **Gate** [2425, 2480, 2459, 2562, 2478]. **Gated** [168].  
**Gateway** [1681]. **GATOSTAR** [2588].  
**Gauge** [908]. **Gaussian** [3461, 3462, 1067].  
**GC** [2642]. **GCD** [2441, 2634, 3464]. **GCel** [968]. **GCLA** [1019]. **GEANT** [1010].  
**Gemmell** [2226]. **General** [2847, 3442, 230, 655, 60, 2473, 1018, 2626, 480, 2943, 883, 2564, 1367, 88, 63, 2448, 1592, 1925, 2152, 85, 1898, 3237, 1506, 1484, 1463].  
**General-Purpose** [2473, 480].  
**generalisation** [1428]. **Generalised** [1999, 1465, 1066]. **Generalization** [1330, 1770, 272, 603, 587]. **Generalizations** [368, 1845, 680, 1945, 569]. **Generalized** [419, 1551, 1502, 1533, 3051, 2741, 1576, 1786, 616, 1801, 262, 964, 3259, 3470].  
**Generalized-Concentration** [1551].  
**Generalizing** [1349, 1887, 1765, 1718].  
**Generally** [2560]. **Generate** [1748, 1661].  
**generated** [821, 3475]. **Generating** [3388, 888, 2063, 3070, 3299, 3568, 161, 2885, 659, 2145]. **Generation** [3292, 1941, 129, 3287, 144, 1670, 1355, 662, 2402, 1549, 2424, 2302, 866, 1334, 2239, 1672, 3434, 2561, 2915, 3229, 1419, 1469].  
**Generations** [2582]. **Generator** [2338, 216, 2882, 1278, 644, 643, 2889].  
**Generators** [2338, 1285, 3468]. **Generic** [2208, 2456, 390, 3381, 1789, 1345, 1995, 1940].  
**Genericity** [2282, 791]. **GENESIS** [950].  
**Genetic** [3105, 3127, 3106, 3079, 3092, 3137, 3150, 3080, 3129, 3000, 599, 3103, 3084, 3075, 3126, 3147, 3095, 3083, 3125, 3128, 3082, 919, 3146, 3225, 3134, 3112, 3081, 3139, 2683, 3144, 3073, 3107, 1077, 3149, 3093, 3124, 2999, 3099, 3248]. **Genetics** [889]. **Genome** [264, 2746]. **Genotype** [3127, 3098].  
**Genotype-Phenotype** [3098].  
**Genotype-Phenotype-Mapping** [3127].  
**Gentzen** [1262]. **genus** [3448]. **Geographic** [2776, 1667, 1766]. **Geographical** [2777].  
**Geometric** [529, 245, 354, 600, 2712, 2725, 2651, 1855, 2259, 2255, 317, 1872, 1129].  
**geometries** [1148]. **Geometry** [2034, 1206, 1867, 1845, 1689, 1123, 2113, 2760, 2073, 1869, 1146, 1443, 1097, 1446, 1122, 1047, 1442]. **geometry-based** [1097].  
**Geometry-driven** [1123]. **George** [42].  
**German** [2977]. **Gestalts** [2950]. **gestures** [1106]. **Get** [3186, 1920, 1585]. **GHz** [557].  
**GIG** [3000]. **Girard** [1383]. **GIS** [2778].  
**Given** [2719, 3473]. **GKS** [3337]. **Glamis** [832]. **glasshouse** [1892]. **Glider** [629].  
**Global** [513, 2837, 129, 512, 3571, 3489, 348, 2654, 651, 647, 2428, 3374, 1908, 2923, 690, 3223].  
**Global/Local** [3489]. **Globally** [1573].  
**GLS** [3235]. **GMSK** [554]. **GNU** [1482].  
**Goal** [1326, 202, 1790, 2966, 2100, 3326, 3235].  
**Goal-Dependent** [3326]. **Goal-seeking** [2100]. **Goals** [13, 1431, 3252]. **Goedel** [3296]. **GOL** [3259]. **GOLD** [2621]. **Golden** [6]. **gone** [1892]. **Good** [3295, 2980, 3320].  
**Gossip** [1852, 1216]. **Gossiping** [2307].  
**GPC** [726]. **Graded** [2203]. **Gradient** [955]. **Gradually** [2069]. **Graduate** [42, 22].  
**Grain** [2663, 1604, 1580, 2346, 165].  
**Grained** [2087, 2486, 2466]. **Gram** [2985, 2632, 1380]. **Grammar** [384, 1354, 398, 1373, 694, 403, 752, 3001, 2999, 3004, 715, 1365]. **Grammar-Based** [694]. **Grammar/Bigram** [3001].  
**Grammars** [2993, 380, 2992, 2990, 2984,

2288, 346, 1357, 673, 2998, 645, 1366, 3002, 646, 1258, 400, 2989, 656, 1435].  
**Grammatical** [2993, 2997, 3000, 919, 2996].  
**Granularity** [1913, 772, 2658, 446].  
**GRAPE** [909]. **Graph** [380, 383, 384, 1564, 2691, 2656, 154, 2703, 422, 385, 386, 3534, 3418, 1932, 673, 1728, 1591, 2076, 416, 390, 2107, 3154, 2069, 1162, 1814, 2066, 378, 394, 2023, 395, 3031, 396, 2348, 2103, 398, 467, 2315, 399, 2978, 400, 403, 2039].  
**Graph-Based** [1932]. **Graph-Grammar** [384]. **Graph-theoretical** [2978]. **Graphic** [989]. **Graphical** [2514, 2866, 2897, 1938, 3431, 29, 980, 2898, 696]. **Graphs** [1840, 667, 2221, 2112, 1972, 2078, 2874, 386, 388, 423, 377, 1866, 376, 2111, 651, 1845, 1846, 2718, 1727, 2038, 391, 1850, 1732, 1648, 2071, 1241, 2725, 2503, 2066, 2054, 684, 585, 1200, 1975, 2100, 1581, 163, 1729, 2643, 1858, 2079, 176, 402, 58, 3544, 2067, 2080, 2077, 2561, 2094, 2700, 2095, 2037, 1493, 2126, 1122].  
**Grasping** [1039]. **Gravity** [3152]. **Graz** [2918]. **greater** [3453]. **greatest** [3465].  
**Greedy** [3558, 2720, 2075]. **Grey** [1562].  
**GRH** [3467]. **Grid** [2054, 873, 1856]. **Grids** [1543, 334, 1203, 963]. **Griesmer** [1945].  
**Ground** [328, 1637]. **groundness** [718].  
**Groundwater** [905]. **Group** [3188, 3199, 1722, 433, 3473]. **grouping** [1141]. **Groups** [1710, 96, 2569, 136, 782, 1885, 3446, 1092, 3475]. **Groupware** [1324].  
**Growing** [43, 3430, 286]. **Growth** [678, 896, 2726, 897, 3449]. **GSAT** [3391].  
**GSM** [556, 527]. **GSOS** [2145]. **GSPN** [840, 1509]. **GTS** [1579]. **Guaranteeing** [2605, 402]. **Guarantees** [3307]. **GUI** [2906, 2905]. **Guidance** [2164]. **Guide** [2514, 1757]. **Guided** [914, 45, 2996, 1429].  
**Guideline** [868]. **Guidelines** [3167].  
**H** [2351]. **H0** [3517]. **Hadamard** [1948].  
**Halfplane** [1974]. **Hall** [1722].  
**Hamiltonian** [2692, 2016, 1200].  
**Hammock** [2306]. **Hammock-on-Ears** [2306]. **Hand** [575, 2900, 2184, 1106, 1040].  
**Hand-off** [575]. **Handicapped** [2904, 2897, 2929, 2932]. **Handling** [2776, 568, 2005, 2342, 2211, 3264]. **Handoff** [574]. **Handshake** [2827]. **Handshaking** [2314]. **Handwriting** [2338]. **Hankel** [3483].  
**Hard** [241, 2020, 662, 2725, 1858]. **Harder** [2817]. **Hardest** [2967]. **Hardness** [1853, 2023]. **Hardware** [496, 472, 1631, 2455, 2471, 305, 2451, 1637, 473, 2571, 471, 3020, 3145, 509, 208, 2570, 495, 1638, 2461, 1640, 1518].  
**Hardware-Software** [2455]. **Hardware/Software** [2471]. **HardWire** [2460].  
**Harmonic** [421]. **Harmonization** [3200].  
**Harmonizing** [1675]. **Harnessing** [2525].  
**Harvesting** [3443]. **Hash** [245, 117, 2233, 249, 1292, 120, 1283, 248, 1284, 458].  
**Hash-Values** [2233]. **Hashing** [2234, 1646, 224, 1707, 2227, 115, 2697, 2217, 223, 1291].  
**Haskell** [710, 3064]. **HASTE** [990]. **Having** [372]. **HDM2** [1807]. **Head** [1016, 708, 1057, 1130, 1144]. **head-eye** [1144]. **Health** [2548, 2177, 3196].  
**Healthcare** [1673]. **Heap** [2645]. **Heaps** [2065, 2047]. **Heegner** [3458]. **Heidelberg** [3185]. **HEIPOET** [3185]. **held** [3457].  
**Hellman** [2238]. **Helmholtz** [3504]. **Help** [884]. **Helping** [2030]. **Helps** [382, 2752].  
**Hereditarily** [1405]. **Hereditary** [1866, 1973]. **Heritability** [3105]. **Hermes** [784]. **Hermes/ST** [784]. **Heterogeneity** [3588]. **Heterogeneous** [3482, 2859, 1597, 1684, 3498, 1815, 944, 441, 59, 3584, 1906].  
**Heuristic** [2691, 2682, 2428, 3142, 2260, 964].  
**Heuristics** [2257, 2259, 3252, 3254].  
**Hidden** [3012, 298]. **Hiding** [2525, 2231, 238, 239]. **Hierarchic** [79, 1337].  
**Hierarchical** [2997, 2574, 1495, 2604, 2127, 1831, 1854, 1580, 606, 1127, 3436, 3437, 2575, 2568, 1620, 2452, 3134, 738, 1886, 2589].  
**Hierarchies** [453, 1989, 1375, 3376, 3255].  
**Hierarchy** [960, 2021, 868, 1931, 320, 2825,



692, 351, 2981, 2377, 323]. **High** [951, 2465, 529, 829, 664, 2569, 3412, 3581, 2525, 2268, 3494, 912, 2345, 522, 2607, 3207, 855, 389, 52, 1539, 946, 856, 2646, 3505, 854, 927, 942, 2482, 516, 2410, 922, 932, 2855, 2438, 3515, 2396, 2942, 1548, 936, 928, 3422, 929, 3528, 2572, 933, 626, 1495, 632, 806, 1040, 994, 993, 996]. **High-Accuracy** [3528]. **High-Assurance** [3422]. **High-Bandwidth** [2410]. **High-Level** [2525, 2345, 522, 389, 516, 2855, 1548, 626]. **High-Performance** [951, 3581, 3494, 2607, 946, 856, 927, 942, 2482, 922, 928, 933, 806, 994, 993, 996]. **High-Speed** [2438]. **Higher** [2019, 2384, 3294, 384, 1522, 2871, 504, 2874, 2875, 100, 1154, 1780, 1778, 1711, 2503, 2883, 683, 374, 2373, 1528, 1994, 1529, 2371, 467, 2372, 1029, 164, 482, 495, 2354, 2369, 1523, 1530, 1415, 1531, 2894, 721, 1462, 1461]. **Higher-Order** [2384, 384, 1522, 2874, 2875, 1780, 1778, 1711, 2503, 2373, 1528, 1529, 2371, 2372, 1029, 482, 495, 2369, 1523, 1530, 1415, 1531, 1994, 721, 1462, 1461]. **Higher-Order-Logic** [2871]. **Highlighting** [2870]. **Highly** [280, 305]. **Highly-Available** [305]. **Hilbert** [3471]. **Hill** [3125, 3134]. **Hill-Climbing** [3125]. **HIRLAM** [3522]. **Historical** [2757]. **Histories** [1923, 1584, 3436]. **Hoeffding** [2040]. **HOL** [488, 2865, 466, 472, 2867, 2868, 2869, 500, 491, 2877, 2879, 476, 2881, 479, 498, 480, 2886, 481, 2887, 492, 475, 469, 2892, 487, 474, 470, 2894, 2893, 494, 468]. **HOL-ML** [470]. **HOL-UNITY** [466]. **HOL-Voss** [480]. **HOL90** [499]. **Holomorphic** [1171]. **homogeneous** [2655]. **Homomorphic** [1358]. **Homomorphisms** [1406, 2249]. **Homophonic** [2321]. **hopped** [807]. **Horn** [2494, 1383, 2212, 318, 760, 1993, 618]. **Hot** [2720, 2052]. **Hot-Potato** [2720, 2052]. **Hough** [1109, 1050]. **House** [550]. **HPC** [941]. **HPCN** [851, 939]. **HPF** [995]. **HS** [2790]. **HSP** [1014]. **HSP-Theorem** [1014]. **Hull** [2087]. **Hulls** [3549]. **Human** [2919, 1596, 2746, 1140, 1040]. **Human-Computer** [2919]. **HW** [2472]. **HW/SW** [2472]. **Hy0** [1666]. **Hybrid** [2997, 381, 3012, 1626, 3138, 3079, 3137, 3084, 3005, 1553, 3056, 2357, 3025, 2172, 537, 1625, 3033, 1623, 3142, 3008, 1624, 1638, 596, 3040, 3041, 485, 954, 2126, 819]. **hyper** [1429]. **hyper-linking** [1429]. **Hyperbolic** [2034]. **Hypercube** [1552, 1217, 1245, 2636, 432]. **Hypercubes** [1546, 2585, 1202, 1533, 2053, 1534, 1203]. **Hypercubic** [1738]. **hyperelliptic** [3448]. **HyperGrids** [1576]. **Hypermedia** [1807, 2784, 2516, 2785, 2786, 3441, 3190, 3589, 1752, 3183, 2787]. **Hypermedia-Based** [3441]. **Hyperplane** [3106]. **Hyperrational** [1316]. **Hyperrectangle** [596]. **Hyperspectral** [3281]. **Hypertext** [3443, 1339, 3444]. **Hypertext-Based** [1339, 3444]. **Hypertransition** [342]. **Hypertree** [376]. **Hyperuniverses** [2295]. **hypotheses** [1419]. **Hypothesis** [2203, 279, 3470]. **I-CASE** [1334]. **I/O** [2149]. **IBC** [2512, 2538, 2535]. **IBCN** [2543]. **IBM** [2601, 3499, 3504]. **Icon** [3430]. **ICSP** [3552]. **Id** [163]. **Idea** [3592, 236, 125]. **IDEAL** [3433]. **Ideas** [266]. **Idempotence** [2605]. **Identifiability** [3297]. **Identification** [1239, 2233, 2051, 72, 2230, 215, 2101, 823]. **Identify** [2751]. **Identifying** [2763, 3310, 601, 3296, 260]. **Identities** [1359]. **Identity** [2222, 1756, 624, 1801]. **Identity-Based** [2222]. **IEEE** [2397]. **if** [349, 571]. **IF-Filter** [571]. **II** [3479, 2512, 564, 2407, 2918, 1604, 1482, 1027, 3234]. **IKUMI** [1324]. **ILIAS** [1554]. **illuminant** [1089]. **illumination** [1087, 1098]. **Illustrations** [576]. **ILP** [3245]. **IM** [87]. **IM-Systems** [87]. **Image** [380, 2475, 2446, 1868, 2440, 854, 1664, 1881,

1870, 3206, 3281, 1100, 1048, 1097, 1066, 1084, 1101, 1086, 1082, 1054, 1083, 1104, 1121].  
**image-based** [1097]. **Images** [2707, 1871, 1128, 1136, 1079, 1073, 1102, 1059, 1088, 1089, 1131, 1114, 1060, 1118].  
**Immediate** [3088]. **Immune** [107]. **Impact** [1575, 1314, 969]. **Impacts** [3212].  
**Impaired** [2927, 2928]. **Imperative** [1349].  
**Imperfectly** [2156]. **Implement** [2008].  
**Implementation** [2475, 1579, 2523, 1494, 3493, 230, 2656, 3079, 917, 938, 993, 460, 2327, 1209, 346, 3207, 519, 3576, 1929, 963, 2482, 654, 2781, 1571, 1599, 1649, 2587, 920, 2486, 3031, 163, 1295, 3521, 448, 2333, 437, 2636, 205, 2448, 1006, 985, 2765, 3208, 2335, 992, 1798, 1491, 1518].  
**Implementational** [2892].  
**Implementations** [3481, 2344, 2662, 2626, 3500, 874, 649, 2533, 2462]. **Implemented** [960, 1070]. **Implementing** [207, 650, 775, 3016, 2360, 2463, 2843, 1016, 3414, 2450, 2402, 2786, 2441, 2852, 636, 2851, 487, 1776, 699, 1426]. **Implication** [578, 22].  
**Implications** [20, 2523, 2490]. **Implicit** [869, 786, 1156, 2099]. **Implies** [1993, 1415].  
**Imply** [2590]. **Importance** [302].  
**Important** [1369]. **Imprecise** [2559, 1805].  
**Imprecise/Incomplete** [1805]. **Improve** [3111, 2162, 3251]. **Improved** [122, 1533, 1850, 1644, 75, 250, 3476, 2067, 567].  
**Improvement** [1646, 1551, 2968, 3149, 17].  
**Improving** [2343, 1937, 1648, 158, 2792, 1059, 2346, 2258, 3148, 1569]. **IMPS** [1440].  
**Impulse** [552]. **IMS1** [3182]. **In-and** [3384].  
**in-Approximations** [306]. **In-House** [550].  
**In-Line** [940]. **Inaccuracies** [3314].  
**inaccurate** [3217]. **Incarnations** [3060].  
**Include** [1801]. **Including** [1298, 546].  
**Inclusion** [3553]. **Inclusions** [1624].  
**Incomplete** [3309, 3321, 1534, 1962].  
**Incompressible** [869]. **Inconsistencies** [2971]. **Inconsistency** [2005, 1987, 3264].  
**Incorporate** [1883]. **Incorporating** [3195, 2960, 6, 2168, 1999, 1676].  
**INCOSOFT** [2813]. **increase** [822].  
**Increased** [538]. **Increases** [574].  
**Increasing** [2926, 2069, 511]. **Increment** [2819]. **Incremental** [2234, 580, 2731, 3542, 3267, 267, 1645, 2831, 3476]. **Indefinite** [3392, 2119]. **Independence** [2904].  
**Independent** [2569, 1790, 114, 3061, 1850, 92, 2304, 1244, 3322, 3135, 1068, 2637, 821, 637, 1034].  
**Index** [138, 259, 1769, 2251, 2266, 923, 2748].  
**Index-Server** [923]. **Indexed** [1164].  
**Indexing** [447, 2750, 1452]. **INDIA** [1687].  
**Indices** [2950]. **Indirect** [149]. **Individual** [2515]. **Individuals** [3097]. **Indoor** [551, 557, 552, 546]. **Induced** [2111, 2405].  
**Inducing** [2989]. **Induction** [2491, 1423, 3288, 1780, 3568, 585, 3302, 591, 2947, 475, 1152, 316, 3124, 2999, 314, 1418, 1419].  
**Inductive** [3290, 3291, 368, 270, 3286, 2417, 3538, 2287, 582, 1018, 3084, 1263, 3324, 279, 1151, 3304, 2991, 277, 3116, 618, 593, 3329, 620, 619, 2802, 621, 1486, 1424, 1483, 1426, 1427].  
**Industrial** [3480, 3338, 3367, 856, 2508, 576, 2767, 987, 2578, 2732, 90]. **Industry** [26, 48, 2931, 860, 49, 3331, 851, 521, 942, 935, 941, 2753]. **Inequalities** [2376, 2040].  
**inequality** [636]. **Inexact** [1265]. **Inference** [3047, 2993, 2997, 3290, 3291, 368, 2987, 3000, 2982, 2107, 2998, 2187, 1310, 294, 919, 3324, 279, 589, 790, 1782, 1030, 1409, 761, 3329, 1640, 2145, 711, 1485]. **Inferences** [2984]. **Inferring** [3377]. **Infinite** [1382, 1954, 1220, 1360, 1362, 3360, 3314, 3545, 1193, 323, 2139]. **Infinite-State** [1382]. **Infinity** [1996]. **Influence** [26, 1004, 2427]. **InfoMall** [946]. **Informal** [3332, 36, 3354, 1232]. **Informal-Based** [36].  
**Informality** [194]. **Informatics** [264].  
**Informatik** [2930]. **Information** [2807, 3294, 3402, 2926, 2857, 1336, 463, 2862, 211, 3424, 2859, 851, 3296, 3311, 3061, 170, 2797, 1168, 3284, 455, 1327, 1215, 414, 1333, 375, 2542, 2777, 2896, 1668, 1334, 2895, 2789,

609, 373, 3574, 930, 2779, 3423, 431, 2097, 409, 1331, 450, 3114, 2858, 1674, 448, 1825, 412, 1341, 928, 444, 2180, 402, 3183, 3328, 2775, 1318, 852, 1655, 3038, 2790, 1962, 3237, 3260, 1500, 1451, 824, 3254, 3239, 1085].  
**information-preserving** [1085]. **Infrared** [550, 551]. **Infrastructure** [3200, 942, 930, 1655]. **Ingres** [1681]. **Inherent** [3276]. **Inheritance** [1762, 1755, 639, 625]. **Initial** [3079, 3084, 1192, 1532]. **Initiative** [39]. **Initiatives** [2509]. **Initio** [883]. **Injecting** [2566]. **Injector** [2564]. **Injury** [1709]. **Inlining** [3051]. **Inner** [1950]. **Innovation** [2732]. **Input** [270, 3286, 3032]. **Input/Output** [270, 3286]. **Inputs** [1988]. **Ins** [337]. **INSAT** [3027]. **INSAT-2** [3027]. **Inserting** [2091]. **Insertion** [1364]. **Inside-Outside** [2990]. **Insight** [1005]. **Inspection** [2018]. **Instance** [609]. **Instance-Based** [609]. **Instantiated** [440]. **institution** [642]. **Institutions** [627]. **Instruction** [3049, 670, 669, 1006, 164, 2893]. **Instruction-Set** [2893]. **Instructions** [184, 653]. **Instructor** [21]. **Instructor-Led** [21]. **Instruments** [21]. **Insufficiency** [607]. **Integer** [1937, 2634, 1914, 3109, 2040, 3452, 3454]. **Integers** [94, 2675, 1199, 1444]. **Integral** [1691]. **Integrated** [2171, 3182, 2550, 3424, 2507, 844, 2811, 2183, 3166, 2426, 2813, 1082, 2903, 3001, 3578]. **Integrated-Company-Software** [2813]. **Integrating** [2362, 2163, 150, 2669, 460, 2803, 2948, 1821, 3273, 2179, 1891, 528, 2856, 2746, 774, 1035]. **Integration** [2807, 3174, 570, 1336, 2863, 1042, 3500, 584, 2511, 759, 414, 1814, 1815, 2423, 1885, 1808, 81, 613, 3590, 3275, 1817, 2951, 1340, 3254]. **Integrity** [855, 3385, 2804, 2792, 217, 1901]. **Intel** [829, 1009]. **Intellectual** [415]. **Intelligence** [2003, 1961]. **Intelligent** [1012, 1669, 2859, 885, 1687, 71, 2781, 2896, 2751, 2534, 2541, 2783, 2753, 1489, 3215, 3234]. **Intensional** [602]. **Intensity** [912, 1104]. **Intensive** [1687, 913]. **Intentions** [1782, 1033]. **Inter** [2523, 2843, 522, 2809, 1905]. **Inter-Client** [2843]. **Inter-Domain** [2523]. **Inter-Modular** [522]. **inter-operability** [1905]. **Inter-Operation** [2809]. **Interact** [2356, 193]. **Interact/Intermediate** [193]. **Interacting** [3131]. **Interaction** [746, 1519, 256, 2539, 1964, 2674, 1190, 2976, 1793, 1566, 771, 2113]. **Interaction-Based** [1566]. **Interactions** [780, 3098, 3278]. **Interactive** [3181, 493, 2030, 422, 3534, 224, 223, 424, 247, 507, 3585, 584, 1824, 219, 2629, 115, 940, 1483]. **Interconnect** [2464]. **Interconnecting** [506]. **Interconnection** [1543, 3184, 2680, 1215, 2273, 1614, 1535, 2584, 1726, 1601, 2596]. **Interconnections** [1553]. **Interface** [2514, 3282, 2902, 2524, 2608, 1767, 486, 3284, 2742, 2918, 2855, 300, 2477, 2609, 166, 3425, 1659, 705, 1902, 1472]. **Interfaces** [664, 2513, 3432, 3435, 2897, 2542, 2916, 3437, 3434, 70, 2898]. **Interfacing** [2112, 2919]. **Interference** [3424, 541, 547, 540, 3401, 1951, 813]. **Interleavers** [536]. **interleaving** [2115]. **Interlocking** [3364]. **Internet** [2406]. **Internetworking** [3189]. **Internetworks** [2407]. **Interoperability** [1828]. **Interoperable** [2800]. **Interpolation** [2166, 1411, 3456]. **Interpret** [612]. **Interpretation** [2665, 1177, 1524, 3043, 2879, 3053, 654, 84, 3065, 2764, 2168, 1411, 739, 1139]. **Interpretation-Driven** [84, 3043]. **interpretation-tree** [1139]. **Interpreter** [3539, 655]. **Interpreters** [657, 2901, 658]. **Interpreting** [1922]. **Interprocedural** [667, 171, 668]. **Interprocessor** [949]. **interrupted** [821]. **Interrupts** [767]. **Intersecting** [1856]. **Intersection** [763, 762, 1849, 2086]. **Intersections** [2089].

**Intersymbol** [547, 1951, 813]. **Intertwine** [1730]. **Interval** [1302, 1968, 1573, 1976, 2679, 2878, 1919, 1200, 2739, 3514, 1938, 2079, 2979, 849, 1493]. **Interval-Based** [1302]. **Interval-Semantic** [2878]. **Intervals** [1968, 1977]. **Intra** [2562]. **Intra-Gate** [2562]. **Intrinsic** [1124]. **Introducing** [52, 47, 1598]. **Introduction** [3587, 3538, 1185, 2252]. **intrusive** [174]. **Intuitionistic** [1715, 1987, 734, 1438]. **Intuitive** [2274]. **Invalidation** [1564]. **Invariance** [1888, 3014, 1882]. **Invariant** [1353, 375, 1877, 1884, 1129, 1890]. **Invariants** [1636, 2142, 1873, 3562, 1871, 1887, 1891, 1131, 1886, 1875, 3009, 1499, 1507, 1446, 1142, 1037]. **Invent** [294]. **Invention** [593]. **Inverse** [2207]. **Inversion** [1259]. **Inverting** [578, 2633]. **Investigating** [199, 976]. **Investigation** [3095, 1155]. **Invited** [2123]. **Invocation** [779]. **Involving** [2712, 1849]. **IP** [3583]. **irreducible** [800]. **Irredundance** [2079]. **Irregular** [2760]. **ISA** [453]. **ISABEL** [3205]. **Isabelle** [505, 1940]. **ISDN** [3184]. **Iserver** [968]. **Iserver-Occam** [968]. **Isn't** [305]. **isogeny** [3451]. **Isolation** [3112]. **Isomorphic** [603]. **ISPW** [205]. **ISPW-6** [205]. **Issues** [16, 202, 520, 2001, 2840, 939, 3506, 3381, 3439, 66, 145, 2892, 2999, 699]. **ISTL** [1908]. **Items** [799]. **Iterated** [249, 1960, 1199]. **Iteration** [1167, 3069, 1361, 3063, 697]. **Iterative** [2419, 37, 2635, 3067, 1603, 1061, 814]. **ITU** [3587]. **ITU-T** [3587].

**Jacobian** [3469]. **Jacobians** [3448]. **Jeep** [1351]. **Jitter** [2403]. **JNNIE** [953]. **Job** [2343, 2479]. **Job-Shop** [2343]. **Jobs** [2278]. **Join** [459, 457, 458]. **Joint** [543, 2189, 240, 535]. **Jordan** [1590]. **Juggling** [1196]. **Junction** [1052]. **Jungle** [387]. **Jupiter** [1905]. **Juricas** [2766]. **Just** [14]. **Justification** [2958].

**K-64** [1274]. **k-TTI** [2995]. **k0t0h** [1834]. **KAML** [576]. **Karlsruhe** [2927]. **Karlsruhe/Germany** [2927]. **KARO** [3166]. **Karp** [349]. **Karp-Levin** [349]. **KBS** [1893]. **Keeping** [2457]. **KEIM** [1480]. **Kernel** [2395, 2686, 1321, 291, 3178, 250, 2659, 1861]. **Kernighan** [964]. **Kernighan-Lin** [964]. **Key** [1941, 2092, 2926, 256, 237, 96, 3404, 128, 132, 3405, 257, 2220, 137, 1297, 1290, 1113]. **key-points** [1113]. **Keynote** [1]. **Keys** [127, 2241, 236, 2230, 2101]. **Keystream** [1285]. **Khufu** [2245]. **KIDS** [3344]. **KIDS/VDM** [3344]. **Killer** [38]. **Kind** [1791]. **Kinds** [292, 91]. **kinetic** [1134]. **Kiosk** [3444, 2936]. **kit** [626]. **KITP** [1485]. **KITP-93** [1485]. **KL1** [2327]. **Kleene** [1165, 2313, 1719, 1441, 2943]. **Kleisli** [1163]. **Knapsack** [120, 3225]. **Know** [1033]. **Know-How** [1033]. **knowing** [3259]. **Knowledge** [3174, 2153, 382, 3163, 2163, 597, 1911, 580, 931, 3170, 598, 3442, 3228, 3161, 2231, 2167, 2110, 224, 3159, 2803, 2111, 3158, 1831, 1270, 2205, 1893, 2093, 1195, 2781, 2769, 2777, 79, 86, 2782, 2172, 2955, 2770, 2008, 577, 3441, 115, 3175, 3427, 221, 2978, 3160, 1335, 2165, 2099, 3165, 91, 413, 2753, 262, 3241, 223, 220, 3250, 3255]. **Knowledge-Based** [3170, 598, 1831, 86, 2782, 2172, 3441, 3427, 2978, 1335, 91]. **Knowledge-Level** [2955]. **Knowledge-Representation** [2803]. **Known** [222]. **Knuth** [330]. **KoMeT** [1475]. **Kripke** [1717, 2943]. **Kripke-Kleene** [2943]. **Kruskal** [793]. **Krylov** [957, 956]. **KSR1** [1575, 3496, 961]. **Kuperee** [3407].

**L** [3128]. **L-System** [3128]. **L1** [1862]. **L1-Diameter** [1862]. **L2** [2873]. **Label** [306]. **Labeled** [1384, 1356, 1360, 2111, 2114]. **Labeling** [2828, 1844, 1609]. **Labelled** [1718]. **Laboratory** [2483]. **Lack** [1071].

**Lack-of-fit** [1071]. **Lamarckian** [3096].  
**Lambda**  
 [3050, 753, 2870, 1395, 1725, 1393, 1397, 744,  
 1407, 1997, 789, 2281, 702, 703, 1772, 729,  
 272, 1460, 2965, 677, 483, 467, 1024].  
**Lambda-Calculus**  
 [1395, 1397, 2281, 1772, 272, 2965, 702, 729].  
**lambda-definition** [703]. **Lambda-free**  
 [2870]. **lambda-mu-Calculus** [677].  
**Lambda-Prolog** [1024]. **lambdasigma**  
 [789]. **lambdasigma-Calculus** [789].  
**Lambert** [1095]. **Lambda** [1221]. **LAN**  
 [570, 3184, 3146, 553, 882]. **LAN-Based**  
 [882]. **LAN-Message** [3146]. **Lander**  
 [3139]. **Landin** [1177]. **Landmark** [2011].  
**Landmark-Based** [2011]. **Language**  
 [384, 322, 2622, 775, 1761, 1164, 3539, 1178,  
 740, 1016, 2733, 3003, 519, 1017, 2754, 1935,  
 2614, 662, 2948, 2797, 2000, 2658, 2785, 1526,  
 3273, 734, 1648, 2232, 2985, 2109, 1695, 3316,  
 292, 2621, 1571, 1599, 3320, 2900, 2922, 1554,  
 2885, 1808, 1809, 290, 1406, 2736, 2333, 658,  
 523, 1232, 659, 1803, 3157, 737, 3156, 2320,  
 2757, 517, 2940, 3155, 2099, 518, 2981, 1566,  
 2761, 2758, 3001, 3553, 3289, 468, 1904, 629,  
 723, 3254, 1481, 1776]. **Language-Inclusion**  
 [3553]. **Languages**  
 [3386, 1300, 381, 472, 368, 2449, 1180, 2284,  
 1924, 359, 2339, 1175, 993, 2268, 1936, 520,  
 1305, 1719, 1689, 3310, 601, 3298, 507, 682,  
 2301, 1721, 730, 2302, 2357, 3315, 274, 733,  
 3318, 294, 3319, 3322, 2348, 2856, 1722, 2728,  
 145, 693, 3327, 2991, 985, 2983, 2354, 3035,  
 1378, 3329, 776, 1764, 2145, 2123, 641].  
**Large** [1011, 979, 207, 2814, 860, 2668, 888,  
 869, 1339, 2688, 862, 3285, 903, 410, 300,  
 2685, 459, 2097, 873, 464, 1674, 2259, 2845,  
 972, 3524, 924, 413, 3448, 1893, 1073, 3473].  
**Large-Scale** [860, 862, 972, 2814, 2097].  
**Largest** [2060, 3546]. **Late** [2294]. **Latency**  
 [2051]. **LaTeX** [3237]. **Lattice** [908, 878,  
 3493, 3447, 861, 2312, 1978, 3463, 3461].  
**Lattice-Gas** [861]. **law** [1095, 3426]. **laws**  
 [3246]. **Layer** [3188, 3187, 3584]. **Layered**  
 [3026, 2504, 267, 2008, 2572]. **Layering**  
 [3023]. **Layers** [2513, 2010]. **Laying** [2678].  
**Layout** [2410, 2427, 2426]. **Lazy**  
 [2350, 387, 711, 2349, 712, 1407, 1419]. **LCF**  
 [2865]. **LCS** [700]. **LDL** [657]. **Lead** [2453].  
**Lead-Time** [2453]. **Lean** [1477]. **leanTAP**  
 [1477]. **Learn** [281]. **Learnability**  
 [3307, 3297, 3298, 589]. **Learnable** [2981].  
**Learned** [207]. **Learner** [3150, 583].  
**Learners** [281, 2981]. **Learning**  
 [3303, 2997, 3174, 2171, 3306, 3294, 1100,  
 3440, 2414, 420, 3200, 241, 580, 3247, 3138,  
 581, 3308, 3295, 598, 1352, 2992, 3087, 3309,  
 288, 582, 3084, 2974, 3086, 315, 3126, 3122,  
 1307, 602, 3123, 2299, 3133, 584, 3312, 2980,  
 283, 3315, 274, 604, 3316, 292, 3318, 606, 607,  
 3319, 313, 3320, 3322, 609, 610, 2172, 3323,  
 1369, 3252, 3253, 264, 612, 13, 267, 3132,  
 3325, 307, 2154, 577, 3441, 3002, 3085, 3089,  
 3142, 613, 3175, 3327, 2991, 3116, 2983, 309,  
 3305, 617, 594, 312, 3328, 303, 2169, 2802, 286,  
 621, 2420, 262, 311, 3289, 2029, 3248, 3249].  
**Learnt** [293]. **Least** [1720, 1999, 1110].  
**Lecture** [2123]. **Led** [21]. **Left** [1368, 3464].  
**left-shift** [3464]. **Legal** [2765, 2766].  
**Lemma** [791]. **Length**  
 [2719, 1250, 370, 2233, 798, 1292, 1977, 3134,  
 1297, 2833, 1129]. **Lessons**  
 [207, 37, 293, 2577]. **Letter** [1737]. **Letters**  
 [1248]. **Level**  
 [2574, 2696, 2153, 2827, 581, 2525, 2345, 522,  
 2608, 389, 2878, 516, 84, 2855, 3191, 2955,  
 2396, 1548, 3175, 164, 3160, 2890, 626, 1495,  
 632, 1115, 1468, 2564, 1509, 1758, 3224].  
**Leveling** [981]. **Levels** [2917, 52, 503].  
**Levin** [349]. **Lexicon** [2986]. **LFSR** [2227].  
**LFSR-Based** [2227]. **Liability** [3413].  
**Liberation** [1547]. **Libraries**  
 [2664, 3494, 3505, 3510, 3215, 3244, 1439].  
**Library** [494, 1433, 970]. **Life**  
 [2539, 2222, 1632]. **Life-Span** [2222].  
**Lifschitz** [785]. **Lifting** [1163]. **light**  
 [630, 631]. **Like**  
 [83, 3097, 2084, 2841, 597, 2320]. **Likelihood**

[547, 1066, 1038]. **limit** [2139]. **Limitation** [112]. **Limited** [3558, 1611, 652]. **Limited-Backtrack** [3558]. **Limiting** [3515]. **Limits** [2462, 1668, 3565, 2124]. **Lin** [964]. **Linda** [2662]. **Lindenmayerian** [1361]. **Lindstroem** [2272]. **Line** [1835, 1836, 2017, 243, 2708, 2714, 3432, 2450, 1844, 121, 856, 2994, 2706, 1856, 940, 2278, 839, 3306, 991, 1120, 3454]. **line-drawing** [1120]. **Linear** [3386, 358, 2867, 1383, 268, 1385, 555, 1944, 1171, 1955, 1626, 1574, 1236, 2703, 2064, 676, 60, 3547, 1843, 1389, 2635, 1213, 1184, 1391, 2625, 104, 1918, 3056, 998, 1145, 1169, 2823, 2216, 1399, 760, 3568, 2016, 2215, 2640, 3514, 2243, 126, 307, 2050, 1406, 2214, 1623, 3520, 3521, 1716, 615, 2983, 2633, 159, 546, 2497, 1172, 2700, 2028, 3009, 3531, 1032, 1062, 1494, 1099, 817]. **Linear-Time** [2703, 2050, 2823]. **linearity** [718]. **Lines** [2089]. **LinguControl** [2908]. **Linguistic** [2864, 2097]. **Linguistics** [1390]. **Link** [2711, 2406, 1223, 553, 2748, 531, 2903, 574, 561]. **Linking** [481, 1429]. **Links** [1788]. **Liquid** [2974, 894]. **Lisp** [999]. **List** [2280, 2064, 1844]. **Lists** [313, 711]. **Literate** [3356]. **lived** [2824]. **Liveness** [1701, 1507, 490, 2135]. **LL** [660]. **Load** [3490, 971, 2686, 2588, 982, 1589, 2685, 1612, 1556, 2687, 1613, 981]. **Load-Balanced** [1589]. **Load-Balancing** [3490]. **Load-Prediction** [2687]. **Local** [419, 697, 2828, 2837, 2971, 1256, 3161, 2122, 3125, 326, 2366, 3376, 1712, 1112, 1116, 1101, 3114, 1065]. **Locales** [1168]. **Localities** [3550]. **Locality** [157, 1700, 158, 2615, 748, 961, 1863, 2835]. **Localization** [1330]. **Locally** [2496, 3375, 3319, 1127]. **Located** [1392]. **Location** [3546, 2643, 1758, 2709]. **Locking** [447, 446]. **Locomorphism** [794]. **Loef** [1224]. **Log** [2620, 1060]. **log-polar** [1060]. **Logarithmic** [1197, 1738]. **Logarithms** [229, 2219, 2238, 3448, 3477]. **Logic** [3045, 2192, 1014, 1383, 268, 1384, 1385, 1784, 1909, 2378, 2362, 319, 1302, 2492, 1171, 1911, 2417, 112, 1715, 2202, 675, 2339, 2871, 504, 2874, 2875, 489, 1830, 1016, 889, 3060, 1790, 2470, 1637, 1783, 2199, 2425, 3058, 1389, 2957, 1932, 1390, 1792, 2005, 2418, 1184, 1018, 2342, 1929, 1910, 2340, 1391, 345, 1771, 1987, 1915, 2186, 1306, 321, 54, 2358, 2206, 602, 178, 1937, 2469, 3044, 647, 785, 1222, 1396, 3381, 734, 1021, 3397, 2211, 654, 2883, 2109, 1399, 760, 2462, 2458, 1022, 3563, 2386, 1402, 1919, 2943, 2886, 3028, 3540, 3219, 2962, 1789, 867]. **Logic** [1404, 2348, 2502, 2506, 1933, 1938, 2376, 2325, 2488, 1930, 1025, 3032, 1593, 2002, 1269, 1370, 1406, 1753, 133, 2275, 1934, 2806, 1785, 1267, 467, 1028, 1716, 1548, 2638, 2209, 1782, 3380, 1271, 1029, 2562, 3304, 2201, 2427, 2359, 1409, 2416, 482, 401, 2375, 440, 618, 593, 620, 619, 2498, 2464, 2461, 1412, 2377, 1414, 1916, 2497, 2894, 1172, 91, 792, 1743, 2191, 1317, 2194, 1926, 262, 2012, 2959, 468, 1032, 1897, 3236, 699, 3227, 3259, 706, 1430, 707, 3263, 3266, 3267, 3268, 1441, 3243, 3218, 637, 723, 1450, 134]. **Logic-Based** [3397]. **logic-independent** [637]. **Logical** [1779, 2175, 3293, 3015, 1272, 2984, 1777, 2013, 1991, 2200, 1166, 1193, 3276, 3260, 707, 3249, 720, 2123]. **Logics** [382, 2207, 2197, 1221, 1694, 1989, 1261, 320, 2952, 1315, 1411, 3039, 3220, 1467, 1484, 3271, 2382]. **LOGSPACE** [2287, 1728]. **LOLITA** [2864]. **Long** [2987, 3110, 2634, 33, 2824]. **Long-lived** [2824]. **Long-Range** [2987]. **Longest** [370, 1703, 1400, 2276]. **Look** [1763, 1650, 3353, 3154, 1764]. **Look-Up** [1763, 1764]. **Lookahead** [2280]. **Lookup** [2458]. **Loop** [1607, 158, 988, 162, 159]. **Loops** [150, 160, 2670, 652]. **Loosely** [3144]. **Losses** [552]. **Lossy** [1242]. **LOTOS** [3336]. **Low** [2693, 2456, 219, 84, 2033, 806, 431, 1006, 2830, 1115]. **Low-complexity** [806]. **Low-Cost** [1006]. **Low-Density** [2033]. **Low-Level** [84]. **Lower** [1381, 2724, 1733,

2698, 2218, 1844, 2292, 3535, 678, 1847, 1735, 2302, 1738, 2261, 432, 3549, 2028]. **Lowest** [1860]. **Lowness** [2082]. **LSE** [2493]. **LT** [1863]. **LT-RAM** [1863]. **LTL** [1650]. **Lucifer** [233]. **Lukasiewicz** [3218]. **LUT** [2432]. **LUT-Based** [2432].

**M** [3138, 1293, 3474, 540]. **M-ary** [540]. **M-Sequences** [1293]. **MAAL** [3187]. **MAAMAW** [1966]. **MACAO** [3169]. **Machine** [1279, 3484, 512, 3489, 598, 2988, 2451, 1985, 387, 2470, 2641, 1162, 965, 2883, 1605, 923, 3321, 2657, 610, 2655, 612, 577, 1606, 464, 3521, 1231, 3337, 999, 2802, 2637, 876, 1081, 1901, 722, 3485, 722]. **Machine-Dependent** [512]. **Machine-Independent** [2637]. **Machines** [155, 2449, 1386, 2673, 1182, 1589, 3505, 2437, 283, 922, 2615, 1536, 2666, 327, 279, 3518, 893, 2393, 1376, 482, 2323, 1208, 1559, 323, 1899]. **Macintosh** [2485]. **Macro** [1630]. **Made** [2479, 228]. **MAGE** [1593]. **Magnetohydrodynamics** [957, 910]. **Mahalanobis** [1050]. **Mail** [3569, 1676, 3570]. **Mail-Based** [3570]. **Main** [2808]. **Maintaining** [2250, 2832, 1706]. **Maintenance** [30, 2718, 1342, 2766]. **Make** [2924, 266, 2675, 3215]. **Makes** [2980, 275]. **Making** [2909, 2184, 1965]. **Malicious** [3306]. **Manage** [774]. **Management** [181, 2512, 2814, 2548, 2530, 779, 2532, 2523, 1675, 2796, 1658, 2522, 2843, 3335, 438, 2546, 2531, 19, 2529, 2524, 2608, 3576, 830, 3194, 210, 1323, 2786, 1021, 530, 2392, 2542, 1580, 3277, 2042, 2543, 2739, 2706, 2549, 446, 2540, 1822, 2547, 308, 2757, 1660, 2181, 433, 2403, 2545, 2552, 2752, 947, 924, 3356, 1508]. **Manager** [830, 2891, 3237]. **Managers** [1685]. **Managing** [1892, 2740, 2772, 409, 3573]. **Manifestation** [2565]. **Manifesto** [3029]. **manifold** [1045, 1041]. **manifold-solid** [1041]. **manipulation** [1510]. **MANNA** [999]. **Manpower** [2085]. **manufactured** [1125]. **Manufacturing** [2811, 71, 2752]. **map** [814, 2246]. **Mapped** [2670]. **Mapping** [3127, 1608, 1005, 2430, 2682, 1823, 2433, 2683, 882, 964]. **Mappings** [2103, 97, 1295, 124, 3326]. **Maps** [1667, 1169, 2011]. **MARC** [2485]. **Mark** [3420]. **Mark-and-Sweep** [3420]. **Market** [2923]. **Markets** [297, 1964]. **Marking** [2642, 1498]. **marking-dependent** [1498]. **Markings** [1883]. **Markov** [1079, 136, 298, 3478, 1111]. **Martin** [1224]. **Martin-Loef** [1224]. **MASCOT** [907]. **Mason** [42]. **MasPar** [982]. **Mass** [2003, 456]. **Massey** [802]. **Massive** [934, 1578]. **Massively** [2574, 2573, 943, 2673, 3491, 840, 1539, 871, 984, 2661, 2613, 1604, 2627, 923, 1599, 920, 1593, 2160, 2647, 3528, 992, 924]. **Massively-Parallel** [871]. **Master** [49]. **Matched** [572, 542]. **matches** [1047]. **Matching** [1254, 1705, 1251, 1250, 2730, 1256, 460, 333, 1239, 2291, 3535, 2729, 1704, 1253, 1887, 1245, 1242, 331, 417, 1702, 1377, 2041, 1255, 1874, 1061, 1139, 1456, 1063]. **Mate** [3077]. **Materials** [895]. **Mathematical** [3355, 3356]. **Mathematics** [1232, 1432, 1416]. **Mating** [3088]. **Matrices** [1834, 3483, 3485, 2626, 2643, 1590, 3524]. **Matrix** [3487, 958, 438, 3418, 1603, 1554, 2839, 2633, 1255, 1379, 1559, 1147]. **Matrix-Vector** [1559]. **Matroid** [2086]. **Matroids** [102]. **Matter** [1752]. **Mature** [50]. **Maturity** [55]. **MAUDE** [631]. **max** [1056, 976]. **max-min** [1056]. **Maxcut** [2702]. **Maximal** [1249, 2049]. **Maximizing** [158, 1592]. **Maximum** [419, 358, 379, 2291, 2051, 547, 1856, 1949]. **May** [2281]. **Maze** [3089]. **Mazes** [3142]. **Mbit** [3182, 553]. **Mbit/s** [3182, 553]. **MCCP** [2470]. **MD** [118, 119]. **MD-5** [118, 119]. **MD5** [2439]. **MDL** [591]. **Mean** [3104, 2682, 2428, 2563]. **Meaning** [2764, 317]. **Meaningful** [2458]. **Means**

[2992, 2654, 3056, 410, 2193, 1749, 697, 3463, 1503]. **Measure** [2282, 579, 2158, 366, 3223]. **Measurement** [912, 557, 949, 3185, 1125]. **Measurements** [551]. **Measures** [421, 2157]. **Measuring** [558, 1067]. **Mechanical** [880, 3488, 2875, 3071, 3517, 502, 3073, 1059]. **Mechanically** [1443, 2888, 1432]. **Mechanics** [966]. **Mechanisation** [497]. **Mechanism** [2345, 788, 2599, 3573, 2556]. **Mechanisms** [192, 2686, 2782, 3076, 3578, 1962]. **Mechanistic** [281]. **Mechanizable** [1424]. **mechanization** [1441]. **Mechanized** [508]. **Mechanizing** [1166, 468]. **MEDEA** [850]. **Media** [3577, 2395, 3180, 2413, 2936]. **Median** [542]. **Mediation** [1684]. **Medical** [2799, 465, 2801, 2098, 1059]. **Medium** [3415, 2813, 1752]. **Medium-sized** [2813]. **MEDTOOL** [81]. **Meeting** [48, 49]. **Megaprogramming** [52]. **Meiko** [950]. **Meiosis** [3099]. **Membership** [2695, 364, 3309, 2589, 2420]. **Memetic** [3072]. **Memoirs** [103]. **Memories** [2704, 29]. **Memory** [906, 1562, 2171, 266, 2653, 2868, 2808, 2159, 1561, 151, 2723, 955, 960, 959, 2654, 3499, 1974, 3500, 896, 1553, 1633, 156, 846, 1589, 976, 2469, 2641, 2357, 1854, 1570, 1571, 2620, 1612, 2652, 1610, 1581, 2655, 511, 175, 1538, 977, 1556, 2361, 999, 2649, 2650, 2073, 1949, 1948, 876, 2834]. **Memory-Based** [2171]. **Mental** [1315]. **Mercury** [1587]. **mereology** [3221]. **Merge** [150, 3541]. **Merging** [2992, 2088, 432, 2989]. **Mesh** [2720, 966, 2682, 2178, 965, 2721]. **Mesh-Based** [966]. **Mesh-Connected** [2682]. **Meshes** [1202, 1210, 333, 1545, 1544, 335, 2319, 1097]. **Mesoscale** [901]. **Message** [222, 899, 2653, 2654, 240, 3500, 2439, 967, 428, 2660, 883, 2609, 234, 2599, 969, 882, 1764, 3146]. **Message-Digest** [2439]. **Message-Efficient** [240]. **Message-Passing-Systems** [969]. **Messaging** [3569]. **Meta** [2668, 581, 185, 1824, 1758, 1749, 1816, 3224, 1481]. **meta-language** [1481]. **Meta-Level** [581, 1758, 3224]. **Meta-Parallelizer** [2668]. **Meta-Process** [185]. **Metacomputer** [972, 3532]. **Metadata** [3273]. **Metal** [853]. **Metals** [894]. **metamathematics** [1453]. **Metaphors** [2513]. **METATEM** [1935]. **metavariables** [1459]. **Meteorology** [902]. **Mether** [977]. **Mether-NFS** [977]. **Method** [2574, 957, 1709, 2992, 955, 879, 3000, 1867, 1211, 3504, 2434, 3405, 1238, 609, 254, 1791, 126, 1627, 2008, 172, 417, 1592, 3351, 1764, 915, 926, 2790, 1464, 1421, 253, 1443, 1063, 1059, 1137, 1051, 1517]. **Methodical** [3010]. **Methodological** [3169, 3381]. **Methodologies** [1019, 36, 1343, 2845, 2552]. **Methodology** [575, 1631, 185, 2425, 156, 832, 189, 161, 3173, 987, 487, 656, 1558, 3216]. **Methods** [1683, 3486, 3163, 3338, 1763, 3137, 3331, 2635, 2292, 53, 2911, 31, 3334, 3078, 3021, 3397, 2969, 1891, 294, 1744, 2745, 2553, 2968, 3514, 588, 69, 2540, 2275, 613, 1556, 1344, 1258, 70, 311, 956, 954, 3261, 2118, 1132]. **Metric** [206, 2156, 3028, 374, 1153]. **Metrics** [2160]. **MHEG** [3569, 3183]. **MHz** [572]. **MICE** [3195]. **Micro** [2395, 291]. **Micro-Kernel** [2395, 291]. **Microcoded** [484]. **Microkernel** [289]. **Micronet** [2393]. **Microprocessor** [1622, 2474, 3027, 485, 3593]. **microSR** [468]. **Midimew** [2678]. **Migration** [2460, 89, 3135]. **Milner** [736]. **MIMD** [2665, 960, 959, 1536, 3522, 876]. **MIMD/SIMD** [1536]. **Min** [3373, 2312, 2701, 1056, 2650]. **Min-** [2312]. **MIN-Based** [2650]. **Min-Conflict** [3373]. **MIND** [1609]. **MINE** [2621]. **Minimal** [368, 3296, 1249, 2503, 2054, 378, 2049, 1977, 2603, 2592, 2209, 1462]. **Minimisation** [1988]. **Minimization** [2430, 2310, 1247, 177, 1255]. **Minimizing** [2620, 2042]. **Minimum** [2695, 2711, 2290,



1197, 1214, 72, 2091, 2039, 2062].  
**Minimum-Link** [2711]. **Mining** [3285, 1560]. **Miss** [1563]. **mission** [3213]. **MITRE** [3334]. **MIX** [1385]. **Mixed** [2664, 1151, 1825, 1464]. **MKRP** [1476]. **ML** [2663, 700, 765, 731, 716, 1695, 576, 2887, 3357, 2370, 790, 743, 469, 470, 3057]. **ML-ART** [743]. **MLDD** [2572]. **Mobile** [2514, 575, 529, 543, 538, 564, 562, 2832, 558, 571, 137, 748, 554, 2940, 567, 2012, 566, 810, 811]. **Mobile-Executed** [575]. **Mobility** [1651]. **Modal** [1980, 1384, 1388, 2197, 2186, 1396, 1934, 2359, 1409, 1411, 1645, 1743, 1467]. **Modal-calculus** [1980]. **Modalities** [2210]. **Mode** [3044, 2307, 302, 235]. **Model** [661, 1382, 2153, 207, 3169, 1643, 184, 899, 1888, 1422, 1386, 1628, 667, 2353, 1715, 2159, 1561, 2744, 3098, 1650, 1984, 3418, 1653, 19, 2987, 3003, 1662, 408, 679, 3158, 2118, 1263, 830, 2784, 1641, 390, 901, 140, 1802, 2006, 3364, 2741, 1094, 3273, 2554, 1630, 1824, 3360, 1827, 557, 2985, 480, 1854, 3274, 2906, 2848, 1634, 1620, 1809, 59, 291, 1632, 2770, 589, 55, 1647, 1806, 1796, 1793, 2174, 2793, 451, 339, 2562, 3175, 1702, 3417, 1638, 1337, 837, 1645, 461, 2989, 1810, 139, 1917, 1586, 1884, 85, 2028, 314, 1898, 1900, 2121, 706, 1500]. **model** [2122, 1906, 1087, 1490, 1509, 467, 1661]. **Model-Based** [3158, 830, 2006, 59, 2174, 85, 2118, 1884]. **Model-Checking** [1386, 480, 1647]. **Model-Theoretic** [2353, 451]. **Modeling** [1766, 2558, 1750, 1956, 1811, 486, 835, 2424, 68, 1661, 2651, 1663, 1829, 1812, 2805, 1632, 1751, 1258, 1613, 1550, 1816, 1489, 1034]. **Modelling** [1572, 183, 202, 3174, 2518, 3170, 2537, 3164, 1330, 1496, 211, 2546, 190, 830, 3167, 845, 201, 1323, 191, 868, 2399, 1338, 3348, 905, 2760, 833, 88, 1508, 3033, 398, 1331, 81, 3341, 188, 187, 1511, 3157, 186, 412, 3156, 200, 2761, 1332, 848, 196, 413, 494, 76, 1518]. **Modellversuch** [2930]. **Models** [1826, 3481, 1797, 1171, 2569, 3491, 2268, 1819, 195, 1830, 1154, 2957, 2644, 3369, 838, 2878, 78, 1198, 846, 80, 1711, 1397, 759, 298, 832, 1399, 903, 89, 1635, 1812, 1545, 1529, 3033, 1823, 1189, 2636, 1804, 3346, 2743, 1341, 1532, 1816, 3107, 1813, 1558, 771, 2279, 3001, 1100, 1421, 2127, 1504, 1102, 1111, 2141, 1086, 1108, 1469]. **Modern** [1279, 880]. **Modernization** [1318]. **Modes** [1287, 1852, 2852, 3419, 1088]. **Modification** [1346]. **Modified** [798, 3113]. **Modifying** [1218]. **Modular** [3330, 232, 522, 676, 2641, 2392, 1930, 2583, 2372, 3201, 3236, 705, 3459, 634, 1462, 3456]. **Modularity** [2500, 689, 2383]. **Modularization** [2955]. **modulated** [808]. **Modulation** [555, 539, 535, 544, 1951, 816, 806, 815, 803]. **Modulations** [554]. **Module** [2791, 522, 2456, 2482, 2887, 523]. **Modules** [3481, 1629, 2469, 3151, 1024]. **Modulo** [3562, 1435]. **Modulo-Place-Invariants** [3562]. **Molecular** [3490, 878, 888, 3492, 889, 3518, 893, 897, 886, 894, 887, 3527]. **Molecular-Dynamics** [893, 897]. **Mollusc** [1484]. **moments** [1069]. **Monadic** [345]. **Monitoring** [989, 856, 2619, 174, 2621, 2403]. **Monogenic** [3329]. **Monoids** [1719, 3310, 343, 2317]. **Monolithic** [570]. **Monopole** [3489]. **Monotone** [1834, 307]. **Monotonic** [3186, 1844, 3315, 1267, 1316, 2194]. **Monotonicity** [3318]. **Monte** [908, 2470, 879, 2654]. **Monte-Carlo** [2470, 2654]. **MooZ** [3349]. **Morphisms** [393, 2728]. **Morphology** [2980]. **MOSS** [3210]. **Most** [1543]. **Motion** [1101, 1880, 1046, 1047, 1045, 1103, 1049, 1074, 1078, 1048, 1072, 1066, 1107, 1080, 1070, 1084, 1088, 1051, 1132, 1068, 1134, 1105]. **Mount** [917]. **mounted** [1130]. **movable** [819]. **Movement** [2942]. **movements**

[1107]. **Movie** [2404]. **Movies** [2408]. **Moving** [1867, 2712, 1103]. **MP** [982, 3520]. **MP-1** [982]. **MPEG** [3585]. **MPEG2** [3586]. **MPI** [967]. **MPP** [853]. **MPP-Systems** [853]. **MRF** [1070]. **MSO** [2301]. **MST** [2717]. **MT** [2970]. **Mu** [1386, 1645, 679, 677]. **mu-Calculi** [679]. **Mu-Calculus** [1386, 1645]. **Much** [2734]. **Multi** [555, 2791, 2229, 51, 1763, 2600, 2702, 1272, 1016, 2528, 1956, 1005, 3103, 462, 3211, 1694, 3407, 3439, 3083, 2823, 2482, 1957, 3151, 2008, 1271, 3376, 1965, 1601, 196, 2572, 876, 3232, 1905, 3240, 820, 1787, 2328]. **Multi-address** [2600]. **Multi-Agent** [2791, 1956, 3439, 1957, 1271, 1965, 3232, 3240]. **Multi-Block** [876]. **Multi-Channel** [555, 820]. **Multi-Chip** [2482, 3151]. **Multi-Constraint** [3083]. **Multi-Criteria** [3083]. **multi-database** [1905]. **Multi-Dimensional** [1005, 1601]. **Multi-Head** [1016]. **Multi-Layered** [2008, 2572]. **Multi-Methods** [1763]. **Multi-Operator** [3211]. **Multi-parent** [3103]. **Multi-Pebble** [1694]. **Multi-Provider** [2528]. **Multi-reader** [2823]. **Multi-secret** [2229]. **Multi-Service** [3407]. **Multi-SLD** [1787, 2328]. **Multi-Sources** [1272]. **Multi-Threaded** [462]. **Multi-User** [51]. **Multi-View** [196]. **Multi-Way** [2702, 3376]. **Multi-writer** [2823]. **Multiagent** [1033, 3594]. **Multiblock** [875, 872]. **Multicast** [2600, 3207, 3580, 2412]. **Multicomputer** [991, 835, 2598, 973, 981]. **Multicomputers** [3483, 978, 983, 1588]. **Multiconnectivity** [1729]. **Multidatabase** [1671, 443]. **Multidestination** [2599]. **Multidimensional** [3535]. **Multidisciplinary** [2669]. **Multifunctions** [768]. **Multigrid** [873, 961]. **Multilevel** [3421, 3416, 3420, 1806, 451, 1817, 3422, 806]. **Multilingual** [2098]. **Multimedia** [3181, 3197, 3195, 3182, 3592, 3571, 3196, 2401, 3581, 3587, 3588, 3212, 3194, 2397, 2411, 2392, 3210, 3180, 3569, 3191, 3575, 3572, 3204, 3187, 3574, 3199, 3178, 2394, 2396, 2858, 2393, 3190, 3589, 3202, 3209, 3179, 3198, 3591, 1676, 3570, 3185, 3584, 1665, 3578, 1500]. **Multimedia-Object** [3210]. **Multimodal** [2915]. **Multiparadigm** [517]. **Multiparty** [3579]. **Multipath** [557, 565]. **Multiple** [2807, 568, 1237, 2532, 2645, 3060, 1021, 1253, 1338, 2216, 2581, 1960, 1885, 2325, 2488, 613, 2598, 2176, 532, 549, 544, 1044, 542, 1927, 698, 1103, 1133, 1076, 1148, 1052]. **Multiple-Access** [542]. **Multiple-Conclusion** [2325, 2488]. **Multiple-Symbol** [544]. **Multiplexing** [2604]. **Multiplication** [3487, 1199, 1559]. **Multiplicative** [1385, 1389]. **Multiplicity** [420, 1366]. **Multiplier** [2224]. **multipliers** [818]. **Multiply** [1217]. **Multiply-Twisted** [1217]. **Multipoint** [3188, 3581]. **Multiprocessing** [1553]. **Multiprocessor** [1562, 908, 650, 151, 1553, 2617, 458]. **Multiprocessors** [266, 148, 2087, 1587, 1552, 2575, 1581, 1556, 1613, 848, 2649, 2650]. **Multiresolution** [380]. **Multiround** [2226]. **Multisearching** [1546]. **Multisecret** [226, 227]. **Multiset** [2826]. **Multispace** [2043]. **Multistage** [2584]. **Multistrategy** [584]. **Multistreamed** [837]. **Multitemporal** [1828]. **Multithreaded** [1580, 1614, 163]. **Multitone** [565]. **Multitransputer** [3497]. **Multiuser** [532, 822]. **Multivalued** [2822]. **Multivariate** [2641, 3456]. **Multiversion** [447, 2860]. **Multiway** [1727, 2088]. **MUSE** [2660]. **Must** [2281]. **Mutation** [3104, 3148, 3143]. **Mutual** [504, 475, 3328]. **My** [3554]. **Myths** [3338]. **N** [2351, 2717, 310, 939]. **NA48** [911]. **Name** [497, 688, 1191]. **Name-Carrying** [497]. **Name-Passing** [1191]. **Naming** [2024]. **Naor** [2226]. **Narrowing** [2350, 2384, 387, 2349, 2383, 2493, 1425]. **Narrowings** [2348]. **NAS** [951]. **National**

[1655, 2895, 930]. **Natural** [1286, 1808, 1809, 2333, 2940, 2099, 1081]. **Nature** [183, 317]. **Naval** [2804]. **NavChair** [2913]. **Navier** [861, 877, 876]. **Navigating** [2912]. **Navigation** [1049, 195, 1739, 2011, 1064]. **NC** [2269, 339]. **NC-Real** [2269]. **NC02** [1200]. **nCUBE** [2617, 2656]. **nCube/2** [2656]. **nCUBE2** [3496]. **Near** [549]. **Near-Far** [549]. **Nearest** [1834, 1544, 596]. **Nearest-Hyperrectangle** [596]. **Nearest-Neighbor** [1544, 596]. **Nearly** [1839, 3101, 3296]. **Necessary** [1983]. **Need** [852]. **Needed** [756, 1455]. **Neededness** [3063]. **Needs** [48, 49, 213, 2511]. **Negation** [675, 1987, 1308, 1266, 1786, 91]. **Negative** [3000, 2389, 3313, 2045, 2144]. **Negotiation** [3580, 1962]. **Neighbor** [1544, 596]. **Neighborhood** [1805]. **Neighborhood/Conceptual** [1805]. **Neighbors** [1834]. **Neighbourhood** [3081]. **Nested** [160, 652, 461, 1917, 1316]. **Net** [1558, 1504, 1510]. **Nets** [843, 3015, 1389, 83, 1184, 679, 1929, 2007, 2297, 1618, 1990, 363, 1584, 1185, 760, 397, 849, 3140, 1493, 626, 1494, 1495, 1497, 1498, 1499, 1489, 1500, 1502, 632, 1503, 1506, 1507, 1490, 696, 1511, 1513, 2130]. **NetSim** [835]. **Network** [3181, 1636, 878, 948, 3098, 995, 3414, 2608, 847, 1831, 2948, 862, 2411, 3131, 2533, 607, 2088, 2921, 3572, 1282, 2486, 2391, 2534, 1614, 2541, 2597, 1729, 949, 2584, 2942, 3202, 2025, 3179, 969, 2830, 2181, 1601, 915, 2596, 3584, 2084, 2028, 877, 1070]. **Network-Architectures** [969]. **Networked** [3492, 3501, 3183]. **Networking** [939, 927, 935, 2405, 3582, 928, 929, 933]. **Networks** [575, 834, 3586, 568, 529, 1543, 3399, 2606, 3141, 305, 931, 2286, 3138, 3017, 3188, 2522, 1958, 3443, 2678, 2829, 1551, 3205, 2290, 2507, 2524, 2605, 425, 986, 2680, 3194, 1687, 3177, 2688, 835, 918, 3133, 1212, 1215, 2399, 2517, 2027, 332, 932, 2789, 3575, 3409, 2609, 2026, 2273, 2036, 534, 2008, 2676, 1535, 137, 2413, 1859, 1196, 1738, 936, 2996, 3583, 2951, 1616, 1690, 2580, 1726, 3143, 567, 2009, 2182, 3584, 3193, 3578, 3553, 2029, 1141, 1489, 1893, 3240, 820]. **NeuDB** [2951]. **NeuDB-System** [2951]. **Neumann** [1605]. **Neural** [2997, 3141, 3138, 1958, 296, 83, 2007, 918, 3133, 2789, 2486, 2008, 2942, 2951, 1690, 3143, 916, 915, 2009, 2182, 3140, 2028, 2029, 1141, 3254]. **Neuro** [914, 3139]. **Neuro-Control** [914]. **Neuro-Genetic** [3139]. **Neuron** [2448]. **Neuronal** [78]. **Neutral** [3127]. **NewLink** [2931]. **Newspaper** [2934]. **Newspapers** [2936]. **NewSpeak** [3358]. **NewsReader** [2934]. **Newton** [177]. **Newton-Cauchy** [177]. **Next** [1670, 2402, 1549, 1672]. **Next-Generation** [1549]. **NFS** [977]. **NIAM** [1812]. **Niches** [3088]. **NIIT** [930]. **NIKS** [2240]. **Nine** [3413]. **NL** [2864]. **No** [372, 1455]. **Node** [1727, 2657, 918]. **NODEN** [2879]. **Nodes** [167, 1856, 819]. **Nogood** [3373]. **Noise** [3306, 3307]. **Noise-Tolerance** [3307]. **Noisy** [3308, 3111, 3095, 1118]. **Non** [1234, 35, 1061, 1551, 1395, 3562, 424, 2635, 2625, 3061, 174, 1397, 1022, 3537, 2655, 3384, 788, 3114, 1856, 2705, 1267, 3401, 546, 2194, 2753, 1065, 1062, 1431, 2124, 1434, 1109, 2115, 1099, 3271]. **Non-Blocking** [1551]. **non-classical** [3271]. **Non-commutative** [3537]. **Non-Determinism** [3384, 2124]. **Non-Deterministic** [1395, 788]. **non-disjoint** [1434]. **Non-Exploratory** [2705]. **Non-Extensional** [1397]. **Non-Functional** [35]. **Non-homogeneous** [2655]. **Non-Interactive** [424]. **Non-Interference** [3401]. **non-interleaving** [2115]. **Non-Intersecting** [1856]. **Non-intrusive** [174]. **Non-iterative** [1061]. **Non-Linear** [2625, 546, 1062, 1099]. **Non-local** [3114]. **Non-Monotonic** [1267, 2194]. **Non-Overlapping** [1234]. **Non-parametric** [1065]. **non-probabilistic**

[1109]. **Non-Procedural** [1022]. **non-provable** [1431]. **Non-Reachability** [3562]. **Non-Rectangular** [2753]. **Non-Simultaneous** [2635]. **Non-strict** [3061]. **Nonbinary** [3075]. **Nonblocking** [986]. **noncoherent** [808]. **Noncooperative** [2946]. **Nondeterminism** [369]. **Nondeterministic** [2313, 3024, 685, 636]. **Nonexistence** [595]. **Nonlinear** [1951]. **Nonlinear** [98, 580, 862, 3503, 3509, 177, 58]. **Nonlinearity** [107]. **Nonlinearly** [2243, 218]. **Nonmasking** [3010]. **Nonmonotonic** [2208, 2418, 2187, 1314, 1026, 3261]. **Nonmonotonicity** [2963]. **Nonnegative** [1379]. **Nonnormal** [860]. **Nonperfect** [102]. **Nonrecursive** [1375]. **nonregular** [2120]. **nonrigid** [1088]. **Nonsense** [934]. **Nontraditional** [757]. **Nonuniform** [2082]. **Norm** [1255]. **Normal** [1789, 1590, 752, 621, 703, 3468, 1467]. **Normalisation** [1995, 1997]. **Normalization** [1218, 1876, 1395, 329, 1520, 1126, 1436]. **Normalizing** [741]. **Normative** [1303]. **normed** [2117]. **North** [904, 2921]. **Norwegian** [103]. **Notation** [1662, 2883, 3337, 1896]. **Notational** [2900]. **Note** [3309, 386, 2962]. **Notes** [769, 2033]. **Notion** [1401, 3259]. **Notions** [349, 352, 1427]. **Novel** [2969, 553, 3524, 2330, 1450]. **NP** [2020, 357, 415, 2725, 349, 2058, 3470]. **NP-**[2725]. **NP-Complete** [2058]. **NPCo** [3470]. **NPCo-NP** [3470]. **NTH** [15]. **NTS** [1357]. **NUBUS** [2485]. **NUBUS-Expansion** [2485]. **nuclear** [1508, 3254]. **Null** [1412]. **NUMA** [1537]. **Number** [230, 1353, 3314, 873, 1856, 235, 3472, 3479, 2119, 3471, 3453, 3476, 3470, 3466]. **Numbers** [2821, 3296, 785, 2640, 1296, 1590]. **Numerical** [3494, 3499, 3500, 3508, 927, 2351, 2423]. **NXLib** [1595]. **o** [2717, 2149]. **O.S.S.** [111]. **O2** [2843]. **OASIS** [643]. **Oberon** [524, 525, 523]. **OBJ3** [2334]. **Object** [2776, 1346, 780, 1755, 181, 1759, 1868, 2810, 1754, 2208, 779, 2857, 2759, 2847, 3421, 781, 1761, 463, 1178, 1766, 436, 2339, 881, 2843, 1818, 2862, 2744, 1330, 1896, 2842, 3420, 2984, 2863, 1750, 1673, 2733, 3435, 1684, 2754, 1662, 2840, 2555, 784, 769, 453, 1587, 1767, 2780, 901, 462, 1802, 2860, 1747, 1757, 36, 2841, 2734, 2853, 1329, 2109, 3210, 3180, 1891, 2735, 2855, 1815, 3512, 2756, 2848, 405, 1745, 1756, 782, 1885, 2850, 3350, 2864, 2851, 1760, 2844, 1795, 449, 1679, 1765, 1822, 2736, 1348, 1758, 1753, 1672, 2771, 2858, 2861, 1751, 1768]. **Object** [1796, 437, 1793, 2846, 1749, 2793, 523, 778, 1803, 1886, 2845, 412, 2746, 407, 517, 461, 433, 3208, 203, 2752, 3422, 2762, 947, 1328, 1801, 2420, 745, 1897, 1904, 3227, 1035, 622, 1090, 1902, 642, 1037]. **Object-**[1761]. **Object-Affinity** [1587]. **Object-Based** [2842, 3422]. **Object-Centered** [2735]. **Object-Groups** [782]. **Object-Identity** [1801]. **Object-Orientation** [3350]. **Object-Oriented** [2776, 1346, 1755, 2810, 2857, 2759, 2847, 3421, 781, 1178, 1766, 436, 881, 2843, 1818, 2862, 1330, 3420, 2984, 2863, 1750, 1673, 1684, 2754, 1662, 2840, 2555, 784, 769, 453, 1767, 2780, 901, 1757, 36, 2841, 2734, 2853, 1329, 2855, 3512, 2756, 2848, 405, 1745, 782, 2850, 2864, 1760, 2844, 1795, 449, 1679, 1822, 1348, 1753, 1672, 2858, 2861, 1751, 2846, 1749, 2793, 523, 1803, 2845, 2746, 3208, 2752, 2762, 947, 745, 2109, 1897, 1904, 1896, 1902]. **Objectives** [3425]. **Objects** [742, 1522, 3421, 2035, 456, 1220, 1794, 1910, 1883, 772, 2712, 1849, 336, 773, 2651, 2760, 2652, 2709, 2856, 1793, 1577, 743, 3389, 1740, 1752, 1746, 1882, 695, 1103, 630, 1094, 1120,

1903, 1063, 1902, 1119, 1134, 727, 1038]. **Oblivious** [3408, 585]. **observational** [2128]. **Observations** [3439]. **Observed** [2161]. **Observers** [1626, 243, 122]. **Observing** [770]. **Obstacles** [2711, 3546]. **Obtain** [495]. **Obtained** [1881, 1120]. **Occam** [968, 3140]. **occluding** [1041]. **Occlusion** [1072, 1073, 1076]. **occlusions** [1096, 1143]. **Occurrence** [1493, 397]. **Ocean** [903]. **OCR** [2994]. **Odd** [2833]. **Odd-length** [2833]. **ODEs** [1375]. **Off** [243, 121, 2994, 2464, 839, 575, 2133, 2413]. **Off-Line** [243, 121, 2994, 839]. **Office** [2863, 2743]. **Offs** [428]. **OffScreen** [2906]. **Offset** [2596]. **Oikos** [181]. **Oil** [906]. **Olden** [141]. **Oligopolistic** [1964]. **Olympic** [828]. **omega** [2057, 2310, 1616]. **omega-Automata** [2310]. **OMNI** [2552]. **OMNI-Point** [2552]. **OMNIS** [2788]. **OMNIS/Myriad** [2788]. **OMT** [2849]. **OMT-Classes** [2849]. **On-Board** [3027, 2660]. **On-Chip** [571]. **On-Line** [1835, 1836, 2714, 1844, 856, 2706, 2278, 3306, 991]. **On-The-Fly** [167, 1647, 3048]. **Once** [585]. **One** [222, 116, 1920, 2221, 1355, 318, 3535, 2293, 2059, 1284, 1953, 303, 1290, 2246, 1432, 1136]. **One-Dimensional** [1953]. **One-Key** [1290]. **One-Sided** [303]. **One-Way** [116, 2221, 1355, 2059, 1284, 2246]. **Ongoing** [2935]. **Online** [2863, 842, 1582]. **Only** [2246, 1561, 3259]. **onto** [1130, 1536, 1581, 2433]. **Ontologies** [3166]. **Ontology** [3165]. **Ontology-Based** [3165]. **OO** [1821, 1823, 2540]. **OODB** [2798]. **OODBMS** [2852]. **OOPS** [2853]. **OPAL** [519]. **Open** [3479, 3399, 931, 2786, 1363, 942, 3204, 3409, 1722, 827, 3206, 947, 404, 418, 1892]. **Opening** [2241]. **OpenMol** [885]. **operability** [1905]. **Operating** [2686, 2626, 2435, 952, 2391, 2583, 2409]. **Operation** [435, 1287, 2809, 671, 3371, 343, 3428, 3419, 2080]. **Operation-Triggering** [671]. **Operational** [337, 1178, 730, 2131, 1228, 732, 774, 3260, 2144]. **Operations** [2344, 2046, 2187, 2655, 142]. **Operative** [3086]. **Operator** [3211, 1999, 3113, 3541, 3220, 3252]. **Operators** [768, 2431, 3102, 3084, 998, 3117, 2337, 3552, 3143, 595]. **Opportunities** [851]. **optic** [1060]. **Optical** [2522, 1553, 2018, 552, 553, 1043, 1058, 1064, 1107, 1099, 1044]. **Optics** [551]. **Optimal** [2065, 1705, 2672, 2559, 1543, 1837, 1839, 2714, 2737, 2711, 333, 1197, 2270, 2973, 1846, 2679, 3194, 1211, 2729, 2667, 1988, 1704, 1851, 1852, 1244, 2305, 2042, 353, 355, 2311, 267, 3108, 2676, 1544, 1708, 1203, 93, 2055, 2835, 1208, 3468, 3153, 1056, 545, 2713]. **Optimally** [1307]. **Optimisation** [3083, 3077]. **Optimisations** [960, 669]. **Optimised** [1281]. **Optimising** [3091]. **Optimistic** [2860]. **Optimization** [3136, 512, 522, 3003, 2342, 3043, 2688, 862, 2043, 173, 2809, 647, 3147, 3397, 2357, 3373, 2458, 2798, 459, 3112, 3120, 3152, 3557, 461, 2677, 3096, 1559, 1457]. **Optimizations** [785, 2615]. **Optimize** [153]. **Optimized** [879, 2437, 2610, 2465]. **Optimizer** [460]. **Optimizing** [3138, 456, 648, 984, 663, 643, 2671]. **Optimizing/Parallelizing** [663]. **OPTIMUL** [1553]. **Optimum** [1202, 2822]. **Optoelectronic** [2480, 2596]. **OPUS** [3350]. **OR-Parallel** [1570]. **OR-SML** [2797]. **Oracles** [348, 1992]. **Order** [742, 2384, 3294, 384, 1522, 1302, 2492, 2871, 1976, 504, 2874, 2875, 100, 1154, 1780, 1725, 2111, 411, 345, 321, 1778, 1711, 1724, 2503, 2883, 683, 1919, 1931, 2373, 1404, 1528, 1529, 2371, 688, 1647, 467, 2372, 1029, 164, 482, 495, 1532, 2354, 2320, 2369, 142, 1523, 1530, 1415, 1531, 2894, 1194, 695, 702, 3247, 1429, 2509, 1505, 3473, 721, 1994, 1462, 1461, 641, 1450, 1060, 1427]. **Order-Sorted** [1724]. **Ordered** [1447, 1967, 2081, 2311, 1529, 2080, 2368, 1460]. **Ordering** [672, 2199, 1641, 2998, 793, 326,

2390, 330, 1466, 3252]. **orderings** [1447, 1449, 1423, 1418]. **Orders** [1833, 2219, 1968, 1976, 2032, 1974, 758, 3468]. **Ordinary** [3519]. **ORES** [2758]. **Organic** [2185]. **Organisation** [946]. **Organization** [649, 2751, 2743, 3232]. **Organize** [2666]. **Organizing** [2684]. **Orientation** [3350, 1971, 2833, 1110, 1052, 1114, 1054]. **Oriented** [2776, 1346, 1755, 11, 202, 2810, 2857, 2759, 2847, 3421, 781, 1761, 1178, 1766, 1781, 436, 2339, 881, 2843, 1818, 2862, 2744, 1330, 3420, 2984, 2863, 1750, 1673, 2733, 2966, 3435, 1684, 2754, 1662, 14, 2840, 2555, 784, 2618, 769, 453, 1767, 3018, 2780, 901, 12, 1757, 2445, 36, 2841, 2734, 2853, 1329, 1259, 2855, 3512, 2756, 2848, 405, 1745, 782, 1274, 2850, 2864, 1760, 2844, 1795, 449, 1679, 1822, 1348, 1753, 1672, 2858, 2861, 1751, 2846, 1749, 2793, 523, 1803, 2845, 2746, 1268, 3208, 203, 2752, 2762, 947, 3280, 745, 1897, 1904, 1896]. **oriented** [3228, 2109, 3253, 1902, 1895]. **Origin** [1523]. **Originate** [515]. **Orthogonal** [2691, 2236, 1400, 329, 540, 2072]. **Orthogonalisation** [2632]. **Orthogonality** [1415]. **orthography** [1078]. **OSA** [2550]. **OSI** [2542]. **OSIMIS** [2525]. **OSTIA** [2988]. **Other** [377, 2306, 2921, 2727, 2154]. **OTTER** [1421, 1471]. **Outer** [1950]. **Output** [2907]. **Outputs** [2569]. **Overall** [2042]. **Overflow** [819]. **Overhead** [2651]. **Overlap** [1350, 2673, 2312]. **Overlap-Free** [1350]. **Overlapping** [1234]. **Overloading** [741, 625, 1460]. **Overview** [1007, 155, 645, 1934]. **Oz** [3382].

**p** [1379, 1501, 1618, 163, 350]. **P-RISC** [163]. **P-Selective** [350]. **P/T** [1501, 1618]. **P02** [1890]. **P02-Invariant** [1890]. **P7519** [1010]. **PAC** [267, 589, 3328]. **PAC-Learnability** [589]. **PAC-Learning** [3328]. **Pace** [2457]. **Package** [3189, 859, 912, 552, 2477, 475]. **Packaging** [2604]. **Packet** [2609, 2405, 812, 820]. **Packing** [2713]. **PACLIB** [2659]. **PAFEC** [859]. **PAFEC-FE** [859]. **Page** [1835]. **Paged** [1974]. **PAGEIN** [939]. **Paired** [2986]. **Pairs** [1881, 2315, 1465]. **Pairwise** [1394, 2053]. **Palace** [1010]. **Palindromes** [356]. **PAM** [2450]. **Pan** [2545]. **Pan-European** [2545]. **Panel** [24, 3398]. **pans** [1465]. **PAPS** [841]. **Paraconsistency** [3264]. **Paradigm** [3426, 958, 3082, 203, 709, 622, 1102]. **Paradigms** [2639, 197, 3272, 517, 771, 1897]. **Paradox** [2962]. **Paragon** [1009, 981]. **ParaGraph** [978]. **parallax** [1080]. **Parallel** [1572, 2639, 2574, 155, 3482, 356, 2044, 3483, 3136, 1543, 3486, 860, 1564, 1542, 1839, 2573, 2808, 1583, 943, 957, 931, 1608, 859, 2673, 2622, 888, 3491, 3493, 3492, 1573, 2121, 150, 2664, 1594, 840, 917, 2046, 2645, 3137, 889, 1001, 921, 1355, 1209, 1841, 1575, 3547, 2607, 869, 2717, 354, 1206, 423, 2291, 2630, 879, 971, 1197, 2654, 855, 3497, 2686, 847, 1578, 838, 1539, 2626, 2588, 982, 2614, 3500, 925, 900, 2729, 1555, 963, 1707, 874, 1986, 2646, 862, 1198, 2726, 3503, 170, 1848, 871, 1549, 2658, 3506, 984, 1704, 2682, 854, 3381, 2661]. **Parallel** [1596, 2641, 2224, 953, 2071, 868, 751, 2613, 2068, 3594, 875, 2069, 1736, 1609, 832, 1854, 3082, 1244, 2305, 2045, 2306, 1604, 922, 905, 892, 3511, 2627, 962, 932, 944, 923, 1571, 1599, 2615, 3512, 3135, 952, 1649, 2640, 1612, 883, 1600, 858, 1615, 1554, 920, 3514, 355, 327, 833, 975, 3097, 2070, 2655, 2616, 2160, 165, 2452, 897, 2643, 3519, 886, 1606, 873, 464, 1582, 3521, 1003, 143, 910, 990, 145, 1547, 1548, 945, 827, 339, 969, 659, 894, 1590, 417, 2022, 176, 980, 1860, 1006, 1291, 1862, 1613, 985, 3549, 2278, 1550, 999, 904]. **Parallel** [2647, 1595, 2633, 972, 2648, 3155, 3524, 890, 870, 179, 3527, 1726, 1874, 3528, 992, 916, 915, 1199, 1558, 841, 924, 3529, 926, 1865, 2637, 3531, 877, 872, 956, 1491, 1900, 2122,

1436, 1899, 3233, 1901, 722, 1570, 1569].  
**Parallel-Algorithms** [417].  
**Parallelisation** [2638]. **Parallelism**  
[2663, 934, 148, 2669, 1578, 2625, 2809, 158,  
395, 175, 1567, 164, 1565, 3061, 2133, 1450].  
**Parallelization**  
[911, 1010, 966, 2635, 901, 896, 173, 903, 353,  
961, 3522, 902, 863, 907, 876]. **Parallelized**  
[861, 665]. **Parallelizer** [2668].  
**Parallelizing** [1011, 1000]. **Parameter**  
[84, 1103]. **Parameterfree** [1085].  
**Parameterized**  
[1235, 2491, 357, 1390, 1253, 2891, 1486].  
**Parameters** [1354, 3327, 1379, 1054].  
**Parametric** [3047, 1846, 1241, 724, 1065].  
**parametrization** [3459]. **Paramodulation**  
[2964]. **paraperspective** [1051].  
**PARASPAR** [3531]. **parcPlan** [3233].  
**PARCS** [925]. **parent** [3103]. **Parix** [968].  
**parLisp** [999]. **Parnas** [478]. **PARSE**  
[2646]. **Parsytec** [968]. **Part**  
[1013, 43, 1027]. **Partial**  
[1521, 2032, 2231, 3262, 2005, 1018, 2336,  
3051, 1848, 796, 393, 1505, 1931, 1368, 2337,  
1647, 1407, 3524, 2642, 1865, 1194, 1949,  
1948, 2146, 1483, 633, 1441, 726]. **Partially**  
[3310, 1967, 603, 2927, 343, 2249, 440].  
**Partially-Commutative** [3310]. **Particle**  
[3129]. **Particle-Based** [3129]. **Partition**  
[1649, 2817, 2321]. **Partitioned** [3507].  
**Partitioning** [2702, 666, 3154, 1538, 873].  
**Partitions** [1838, 1641, 77, 2312]. **Parts**  
[1791]. **PASS** [3132]. **Passing** [899, 2653,  
2654, 1587, 3500, 967, 2660, 883, 3146, 2609,  
492, 2599, 1191, 969, 882, 1764, 2143].  
**Passive** [65, 2768, 2298, 2771]. **Password**  
[3405]. **Past** [3554, 320, 278, 2094].  
**Patching** [3161]. **Path**  
[380, 2711, 2379, 2460, 3542, 3110, 1852,  
1619, 540, 2012, 1452]. **Path-Controlled**  
[380]. **path-indexing** [1452]. **Paths**  
[2038, 2306, 2307, 1200, 355, 1729, 2700].  
**Pattern**  
[368, 333, 1355, 1198, 274, 1244, 866, 2925,  
3132, 1602, 1702, 2041, 1864, 2617, 3289].  
**Pattern-Matching** [1702]. **Pattern-Types**  
[2925]. **Patterns** [1748, 1005, 1253, 3131,  
3313, 2504, 260, 369, 1749, 2372, 2176]. **Pay**  
[271]. **Payment** [3412, 3411]. **PBL** [2169].  
**PC** [2477, 2616]. **PCB** [2262]. **PCF**  
[728, 1164, 2279]. **PCKS** [722].  
**PCKS-machine** [722]. **PDEs** [3513]. **PDS**  
[423]. **Pe** [813]. **Pe-criterion** [813]. **Pebble**  
[1694]. **Pebbling** [1692]. **Peers** [1487].  
**Pegase** [940]. **PEI** [2623]. [185]. **1** [3225]. **2**  
[2905]. **4-Approximation** [2694]. **Analogy**  
[2152]. **Bigram** [3001]. **CDMA** [812].  
**CM-5E** [3484, 3521]. **Communication**  
[2664]. **Computation** [2673]. **Conceptual**  
[1805]. **Fold** [2505, 2360, 2347]. **Germany**  
[2927]. **Hardware** [795]. **HPF** [152].  
**Incomplete** [1805]. **Intermediate** [193].  
**Local** [3489]. **Mellor** [3369]. **Myriad** [2788].  
**Navier** [875]. **NJ** [648]. **Non-stochastic**  
[3012]. **Nothing** [113]. **Output** [270, 3286].  
**Parallelizing** [663]. **Performance** [2464].  
**Relational** [1675]. **Resource** [2544]. **RT**  
[3369]. **Run-Time** [165]. **s** [3182, 553]. **S-15**  
[1009]. **SIMD** [1536]. **Software** [2471]. **ST**  
[784]. **SW** [2472]. **T** [1501, 1618]. **TDMA**  
[543, 529]. **transition** [1494, 1503, 1490].  
**Tyxt** [750]. **VDM** [3344]. **WSI** [2579].  
**People** [2511, 2896, 2898, 2932]. **PEPA**  
[845]. **Peplom0d** [2733]. **perceptive** [1141].  
**Perceptual** [312, 1057]. **Perfect**  
[98, 2076, 246, 221, 220]. **Perform** [3124].  
**Performability** [2558, 830]. **Performance**  
[951, 2475, 559, 829, 664, 948, 3581, 828,  
2268, 460, 1819, 2594, 3494, 1646, 2470, 2607,  
562, 539, 2593, 810, 838, 2618, 1139, 946,  
856, 845, 835, 1549, 3505, 927, 1596, 530,  
942, 3154, 2482, 2404, 922, 1004, 2657, 1576,  
1615, 3515, 2346, 3429, 2583, 534, 988, 1614,  
2592, 893, 450, 2396, 2636, 2427, 1284, 1009,  
560, 928, 837, 554, 3525, 826, 546, 849, 915,  
567, 2617, 1558, 841, 933, 926, 3400, 806,  
3251, 994, 993, 996]. **Performances** [3415].  
**Period** [74, 2091]. **Periodic**

[1621, 1175, 1732, 332, 1949, 3239].  
**Periodicity** [680, 1953]. **Permanent** [2571].  
**Permit** [246]. **Permutation**  
[255, 377, 2038, 2224, 818, 2319].  
**Permutations**  
[98, 2594, 1298, 251, 214, 2055]. **Permuted**  
[250]. **Perpetual** [1400]. **Perpetuality**  
[329]. **Persistent** [463]. **Personal**  
[2519, 3212, 3211, 526, 2533, 2527, 1686, 1006].  
**Persons** [2904, 2927, 2895]. **Perspective**  
[42, 40, 2518, 265, 1808, 1881, 437, 1872,  
1874, 1078]. **Perspectives**  
[202, 2515, 935, 826]. **Perturbation** [174].  
**Perturbations** [317]. **Perturbed** [3514].  
**Petersen** [2676, 1535]. **Petri**  
[843, 1160, 626, 1495, 1497, 1498, 1499, 1489,  
1500, 1502, 632, 1184, 679, 1929, 2297, 1990,  
363, 1185, 760, 1504, 2131, 1506, 1507, 1490,  
1510, 1511, 849, 1558, 2130]. **PGM** [2224].  
**Phase** [661, 535, 545, 808, 824].  
**Phase-Correcting** [545]. **Phased** [3565].  
**Phases** [2974, 839]. **Phenotype**  
[3127, 3098]. **Philosophers** [2835].  
**Philosophical** [2896]. **Phoneme** [2986].  
**Photochemical** [1572]. **photometric**  
[1091]. **Physical** [3033]. **Physically** [2919].  
**Physician** [1673]. **Pi**  
[1483, 696, 1651, 3140, 719, 3361]. **PI-Bus**  
[3361]. **Pi-Calculus** [1651, 719, 696].  
**Pi-nets** [696]. **PICL** [978, 850]. **Picture**  
[1352, 925, 693]. **Pictures** [345]. **Piecewise**  
[615, 1120]. **pilot** [1511]. **Pin** [2564].  
**Pin-level** [2564]. **Pipeline** [2892].  
**Pipelined** [1622]. **Pipelining** [160, 2667].  
**Piranha** [148]. **Pitfalls** [2247, 3249].  
**Pittsburgh** [3121]. **PLA** [2476]. **Place**  
[3562, 2429, 1494, 1490, 1516].  
**place-bordered** [1516]. **place/transition**  
[1494, 1490]. **Placement** [2452]. **Plaintext**  
[2245]. **Plan** [3292, 3287, 3164, 3252].  
**Planar** [1876, 2495, 1840, 2034, 2690, 2700,  
1126, 1124, 1120, 1142]. **Plane**  
[1842, 1838, 2061, 3533, 1874, 3469]. **Planes**  
[2495, 1867]. **planet** [3213]. **planner** [3242].  
**Planning** [1913, 2163, 2177, 1781, 1319, 550,  
2969, 1056, 2185, 2010, 3233]. **Plans**  
[178, 1774, 2416, 2011, 2950]. **Plant** [3428].  
**Platform**  
[2446, 2656, 2525, 3588, 3198, 3591].  
**Platforms** [1572, 297, 3522]. **Platonic**  
[2093]. **Playout** [3191]. **PLD** [2465]. **PLDs**  
[2468]. **plus** [3483]. **PLUSS** [628]. **PMIPS**  
[184]. **PML** [197]. **Point**  
[2060, 2019, 2271, 2571, 3067, 2709, 1999,  
697, 3458, 1989, 1063, 1047, 2552]. **Pointers**  
[1915]. **Pointing** [735]. **Points** [1868, 2075,  
1392, 1917, 1113, 3453, 1131, 3452]. **Poisson**  
[821, 2697]. **polar** [1060]. **Policies** [2595].  
**Policy** [1607, 3088, 2398, 3573, 2403].  
**Pollution** [1572, 3481, 3491]. **Polygon**  
[2089, 1839, 1843, 1861, 1862, 2074].  
**Polylogtime** [340]. **Polymer** [892, 3512].  
**Polymere** [891]. **Polymers** [880].  
**Polymorphic** [3060, 713, 3273, 2370, 702].  
**Polymorphism**  
[3047, 731, 1568, 714, 716, 724]. **Polynomial**  
[3386, 2271, 2270, 2021, 1732, 2641, 1257,  
2675, 1722, 351, 3477, 3544, 1379, 2014, 62].  
**Polynomial-Time** [1257]. **Polynomials**  
[1574, 800, 3467, 3456]. **Popperian** [288].  
**Popular** [1543]. **Population**  
[3097, 3325, 3108, 3099]. **Populations**  
[3086]. **Portabel** [1686]. **Portable**  
[2327, 836, 648, 3505, 2616]. **Portation**  
[3496]. **Portfolio** [2518]. **Porting** [857, 877].  
**Pose** [1138, 1108, 1094]. **Positive** [368, 3000,  
2389, 3313, 3319, 2051, 3324, 3428, 3368].  
**Possibilistic** [2005, 73, 1262]. **Possibilities**  
[1313, 803]. **Possibility** [2418, 3266].  
**possibility-based** [3266]. **Possible**  
[2957, 523]. **Post** [22]. **Post-graduate** [22].  
**Postgres** [2786]. **Postulates** [2194]. **pot**  
[1465]. **Potato** [2720, 2052]. **Potential**  
[3425]. **Power** [559, 555, 348, 359, 1354,  
2289, 408, 2430, 1306, 1168, 1361, 454, 326,  
1695, 1364, 2581, 343, 1228, 3552, 3379, 2317,  
2429, 3417, 560, 1690, 546, 510, 561, 2128].  
**Powerful** [2188, 3039]. **PPL** [2211].



**PPOST** [2808]. **PRACMA** [2946].  
**Practical** [1011, 1631, 2708, 46, 3090, 108, 109, 2935, 1278, 665, 2263, 111]. **Practically** [1299]. **Practice** [261, 47, 28, 23, 2980, 441, 187, 745, 2818, 1462]. **Practitioners** [20, 22]. **Pragmatic** [188, 2095].  
**Pragmatics** [140, 1440]. **PRAM** [2723, 1545, 2722]. **PRAMs** [2815]. **Pre** [2475, 1685, 758]. **Pre-Existing** [1685].  
**Pre-Orders** [758]. **Pre-Processing** [2475].  
**Precedence** [170]. **Precedents** [2763].  
**Precise** [2675, 3346]. **Precision** [1539, 2942]. **Precomputation** [2223].  
**Precondition** [2622]. **Preconditioned** [955]. **pred** [660]. **pred-LL** [660].  
**Predicate** [768, 1402, 3117, 3326, 593, 1503].  
**predicate/transition** [1503]. **Predicates** [489, 2005, 660, 2144]. **Predicative** [1403, 1159, 1568]. **Predict** [2977, 2802].  
**Predictability** [2465]. **Predicting** [3015].  
**Prediction** [900, 927, 2154, 2687, 2161, 915, 2617, 841, 1068]. **Predictive** [1955].  
**Predictor** [3185]. **Preemptive** [2714].  
**PREENS** [916]. **Preference** [3117].  
**Preferences** [2342]. **Prefetching** [462].  
**Prefix** [2730, 2729, 1737, 1704, 1736].  
**Prefix-Matching** [2730]. **Pregnant** [2802].  
**Prejudices** [3338]. **Preliminary** [3486, 148, 3538, 1242]. **premises** [2144].  
**Preorders** [674, 2148]. **PREPARE** [664].  
**Preprocessing** [2828, 131, 1864, 130].  
**preprocessor** [1473]. **Prerequisite** [2542].  
**Preselection** [2939]. **Presence** [2250, 2711, 2832, 3314, 3321]. **Present** [1351, 278, 2094]. **Presentation** [2914, 54, 3091]. **Presentations** [3347, 1724]. **Preserve** [732]. **Preserving** [3559, 1409, 3099, 2029, 1129, 1085].  
**Preterm** [2802]. **Primal** [1435]. **Primary** [2817]. **Prime** [1170, 3476]. **Primer** [2893].  
**Primes** [2239]. **Primitive** [742, 371, 695, 818]. **Primitives** [241, 1252, 3357]. **Primitivity** [1733].  
**Principal** [2381, 2312]. **Principle** [1177, 1056]. **Principles** [3413, 2212, 895, 3439, 2543, 1008, 1283].  
**Print** [2926]. **Printed** [2925]. **Prior** [1265, 1923]. **Prior-Thomason** [1923].  
**priori** [2178]. **Priorities** [2202].  
**Prioritized** [2972, 2201, 2959, 3269].  
**Priority** [2046, 1201, 2397, 1589, 1584, 3551, 725].  
**PRISM** [2552]. **Prisoner** [1960]. **Privacy** [3411, 122]. **Private** [2524, 2248].  
**Privatization** [169]. **Privilege** [3418].  
**Probabilistic** [1381, 1492, 3003, 2644, 1533, 80, 681, 1168, 3024, 2408, 325, 588, 687, 2160, 2958, 2147, 1690, 2989, 316, 1380, 907, 3038, 1109, 2149, 3240, 2148]. **Probability** [101, 547, 1702, 548, 812]. **Probably** [3323].  
**Probe** [3152]. **Probe-B** [3152]. **Problem** [2280, 1835, 183, 1383, 1546, 3163, 2284, 379, 580, 1608, 1351, 2730, 3162, 364, 2291, 3102, 426, 3542, 3501, 3504, 2090, 1990, 3154, 428, 2018, 1736, 1214, 3555, 2045, 1366, 3135, 2310, 287, 2023, 3146, 3517, 250, 1374, 613, 2174, 1708, 2317, 2983, 72, 1642, 594, 3176, 3113, 2101, 2835, 2152, 2753, 1491, 3225, 3253, 1098, 1433]. **Problem-Independent** [3135]. **problem-oriented** [3253].  
**Problem-Solving** [594]. **Problems** [1713, 1833, 419, 2836, 2056, 2367, 3488, 1710, 3548, 884, 241, 1210, 3162, 357, 3416, 422, 2288, 354, 1390, 1591, 3075, 2967, 78, 1988, 3503, 2712, 1849, 1848, 3506, 3110, 2725, 1363, 363, 2061, 2306, 410, 1649, 2058, 430, 2312, 3394, 3089, 827, 2259, 2254, 668, 417, 3549, 3523, 2715, 826, 2086, 418, 1469, 3479, 800, 1470, 1456, 3216, 1461].  
**Procedural** [2449, 1022]. **Procedure** [2385, 664, 3490, 272, 498, 3568, 2368, 1926, 2753, 1492]. **Procedures** [322, 965, 482, 495, 2335, 1503]. **Process** [206, 181, 183, 16, 1326, 202, 207, 2146, 1909, 184, 182, 1181, 1982, 199, 1160, 500, 3092, 2579, 195, 185, 190, 213, 3369, 845, 210, 191, 3022, 189, 3348, 208, 1321, 212, 1745, 1320, 50, 3077, 2767, 3551, 188, 1343, 205, 18, 187,

3346, 1337, 204, 194, 200, 203, 17, 698, 2142, 2115, 2132, 3271]. **Process-Centered** [182, 1321, 212]. **Process-Programming** [189]. **Process-to-Function** [1745].

**Processes**  
[1149, 1158, 515, 211, 2285, 2295, 856, 201, 1711, 853, 1630, 751, 3023, 3024, 3317, 770, 2684, 1582, 2161, 186, 1155, 748, 1157, 887, 1153, 196, 3185, 3038, 3553, 76, 90, 2120, 2121, 1042, 2119, 2117, 2122, 821, 2147, 2130, 2148]. **Processing** [380, 2475, 2446, 664, 1954, 931, 888, 1597, 855, 3497, 3498, 851, 842, 953, 2538, 2097, 1606, 2413, 443, 999, 3093, 3267].

**Processor**  
[831, 2632, 2470, 2473, 2440, 3049, 2447, 2052, 3026, 2815, 1603, 2438, 837, 2633].

**Processors**  
[2665, 884, 2579, 2613, 2575, 164, 487].

**Prodigy** [2152]. **Prodigy/Analogy** [2152].

**Produce** [2032]. **Produces** [3161].

**Product** [1661, 161, 2504, 1768].

**Production**  
[2784, 2521, 2422, 2262, 3351, 2752, 3594].

**Productivity** [39]. **Products**  
[1358, 104, 203, 2009]. **Professional** [23].

**Profiles** [839]. **Program**  
[466, 1779, 911, 157, 3292, 753, 2338, 2344, 3493, 49, 60, 1750, 885, 838, 3366, 2352, 2626, 896, 1771, 3066, 785, 1596, 2357, 3314, 796, 683, 2627, 883, 2956, 2968, 975, 797, 2616, 3048, 3134, 2326, 2489, 690, 1229, 1751, 1548, 2638, 176, 1550, 5, 1335, 1998, 841, 3124, 907, 1457, 1430, 1508, 1485]. **Programmability** [2613]. **Programmable** [2470, 2425, 2480, 2482, 2459, 2478, 2464, 2461]. **Programmed** [2905]. **Programmers** [45]. **Programming** [1755, 3127, 384, 2378, 2414, 2653, 700, 3489, 2622, 781, 1178, 3442, 889, 1783, 2733, 1597, 519, 1792, 599, 2342, 1019, 784, 769, 2614, 662, 2340, 783, 3126, 3272, 2797, 2000, 3053, 3381, 3273, 734, 1021, 3095, 730, 2853, 3125, 3312, 3128, 2211, 189, 2109, 733, 1022, 3511, 3436, 2386, 3398, 1599, 3540, 1225, 1615, 782, 3340, 2376, 3516, 1025, 397, 1593, 2371, 3134, 1758, 1753, 1934, 2324, 2487, 2856, 2806, 1267, 1003, 1028, 1782, 3380, 1029, 743, 2359, 3109, 980, 3382, 1268, 2375, 968, 2369, 517, 2040, 618, 593, 1595, 518, 620, 619].

**Programming**  
[1412, 2377, 2497, 2716, 2194, 2329, 774, 468, 2028, 2637, 699, 706, 707, 709, 3244, 2123].

**Programming-by-Difference** [3340].

**Programs** [1713, 3045, 2192, 2494, 1014, 1349, 3010, 2624, 1784, 3402, 2363, 319, 147, 675, 2496, 1594, 3060, 1790, 3370, 3058, 3288, 3496, 847, 2618, 1714, 1555, 2347, 2107, 170, 602, 173, 984, 3044, 647, 2882, 654, 760, 3301, 2943, 1187, 2356, 2921, 2620, 1789, 833, 2502, 2506, 2193, 2325, 2488, 3302, 1930, 3384, 175, 2452, 2275, 1785, 1229, 162, 440, 2498, 2567, 179, 1317, 262, 3057, 964, 3236, 1437, 3243, 722, 42]. **Progress** [2866, 3363].

**Progressions** [2239]. **Project** [15, 11, 484, 3195, 3592, 3412, 1010, 564, 19, 14, 12, 28, 2935, 89, 1334, 13, 1325, 3201, 3254, 992].

**Project-Oriented** [11, 14, 12]. **Projection** [435, 1792]. **Projections** [2048, 1120].

**Projective** [1876, 2495, 1867, 1871, 1879, 691, 1872, 1142, 1126, 1148]. **Projects** [2512, 3182, 857, 33, 27, 2845]. **Prolog** [1569, 1032, 1987, 2109, 2331, 3043, 3299, 1570, 3301, 2356, 719, 1024, 2210, 162, 1776].

**PROMAL** [2359]. **Promised** [219]. **Proof** [2030, 222, 322, 735, 2872, 2231, 2285, 1440, 1391, 1223, 1020, 2969, 219, 3344, 1226, 1774, 2952, 482, 1532, 1998, 3037, 2891, 791, 474, 1773, 1380, 2062, 3042, 1457, 1432, 1476, 1425, 1445, 1479, 1484, 641, 3271, 2134].

**Proof-Based** [3344]. **proof-checked** [1432].

**Proof-Checking** [1223].

**proof-development** [1484].

**Proof-Theoretical** [1773]. **Proofs** [1981, 2491, 1770, 1908, 752, 1531, 2497, 2894, 1486, 1424, 1459, 1468, 1418, 727].

**Prop** [3060]. **Propagation** [667, 552, 2413, 2996, 3376, 218, 549, 3231].

**Properties**  
[3059, 749, 3014, 3015, 2539, 2360, 1691,

1270, 3363, 2500, 1973, 3111, 2187, 3025, 1931, 1188, 686, 290, 691, 490, 2952, 366, 618, 2120, 1498, 1117, 1075, 1055, 727]. **Property** [1357, 1361, 1619, 343, 2188, 788, 1407, 2317, 1411, 404, 2062]. **Proposal** [1276, 1024, 111]. **Propositional** [322, 1388, 2206, 1406, 3258, 3266]. **Propositions** [1030]. **Props** [3440]. **prosaic** [3216]. **PROSPECTOR** [597]. **PROSPECTOR-like** [597]. **Protecting** [3411]. **Protection** [2512, 1757, 375, 3365]. **Protein** [1679, 1472]. **Protocol** [1542, 563, 3013, 224, 2226, 1223, 3187, 2238, 1627, 1632, 1563, 115, 3415, 3208, 2589, 1492, 223]. **Protocols** [2219, 1734, 3404, 123, 3587, 422, 2231, 2407, 2402, 3410, 1371, 1372]. **Prototype** [3196, 2804, 657, 1768, 2169, 3227, 1905]. **Prototype-Based** [2169]. **Prototypes** [2471]. **Prototyping** [1755, 2455, 1522, 2456, 1549, 2434, 2472, 2477, 1795, 2453, 2443, 2762]. **Provability** [2192, 1411]. **Provable** [657, 2239, 1431]. **Provably** [108, 662, 2334, 3019, 3020, 109, 1093]. **Prove** [505, 477, 478]. **Prover** [479, 480, 1940, 1472]. **provers** [1473]. **Provide** [1684, 2517]. **Provider** [2528]. **Providers** [2532, 2517]. **provides** [2464]. **Providing** [2869, 2855, 2535, 3582]. **Proving** [2198, 1218, 2866, 493, 2492, 2871, 2490, 2966, 3562, 1451, 272, 3025, 1188, 502, 503, 1477, 1487, 1429, 1470, 1430, 1459, 1443, 1420, 1442]. **Proving-by-Example** [272]. **Provisioning** [2518, 2528, 2541]. **Proximity** [1251, 2712]. **Prserving** [2505]. **Pruning** [1012, 423, 608, 702]. **Pseudo** [3099]. **Pseudo-Meiosis** [3099]. **Pseudoduplication** [2571]. **Pseudorandom** [1296]. **psi** [3474]. **PSK** [537]. **PSK-TCM** [537]. **PSPACE** [1710, 2725]. **PSPACE-completeness** [1710]. **PSPACE-Hard** [2725]. **PST** [2437]. **pSystem** [1615]. **Public** [2092, 96, 128, 2517, 257, 2220]. **Public-Key** [96, 257, 2220]. **Publishing** [2740]. **pudding** [1465]. **Pulsed** [1141]. **Pumping** [1723]. **punctured** [816]. **Pure** [1410, 3329, 1219]. **Purely** [737, 1540]. **Purpose** [2847, 655, 2473, 480, 2564, 2448, 3237]. **pushbroom** [1145]. **Pushdown** [2121, 1376]. **Pushout** [385, 393, 394, 395]. **Putnam** [2368]. **Putting** [28, 1752]. **PVM** [3481, 3493, 875, 970, 968, 3530]. **PVS** [478, 3037]. **Q** [3122]. **Q-Learning** [3122]. **qcomp** [842]. **QOS** [2400, 830, 3580, 3193]. **QPN** [843]. **QPN-Tool** [843]. **QUAD** [3379]. **QUAD-CLP** [3379]. **Quadratic** [2219, 1293, 219, 3379, 2028, 3446, 1055, 3466]. **Quadrature** [1573]. **quadric** [1119]. **Quadtrees** [2696]. **Qualified** [731]. **Qualitative** [843, 83, 2948, 80, 1195, 2008, 409, 2846, 76, 3239]. **Quality** [3577, 2401, 3207, 3576, 2646, 854, 1327, 905, 2543, 2541, 286, 1800]. **Quantifiers** [2272, 1992, 495, 1999]. **Quantify** [2581]. **Quantitative** [843, 1125, 2846, 3239]. **Quantization** [920, 825]. **Quantum** [880, 3488, 884, 883, 2058, 3517, 3477]. **Quasi** [1167, 2063, 2015, 1882, 1170]. **Quasi-Full** [2063]. **Quasi-Invariance** [1882]. **Quasi-Prime** [1170]. **Quasi-Random** [2015]. **Quasi-Varieties** [1167]. **Quasigroups** [3536]. **Quasilinear** [324]. **Queries** [1251, 2953, 420, 348, 436, 3309, 2737, 2711, 1305, 601, 3313, 459, 307, 1313, 461, 2072, 3276, 3226, 3227, 3231, 3269]. **Query** [1346, 3386, 1924, 460, 1936, 2754, 2809, 2841, 733, 1252, 2798, 1803, 1347, 443, 2758, 1805, 1896, 3230, 1436, 1438]. **Querying** [2419, 2796, 1666, 1668, 1904]. **Questions** [363]. **Queue** [1201, 2403]. **Queueing** [843, 832]. **Queues** [831, 2046, 1589, 2595, 2319].

**R** [3379, 2748, 2749]. **R-Link** [2748].  
**R-trees** [2749]. **r.e** [3315]. **R2** [2611].  
**RACE** [2512, 564]. **RACE-II** [564]. **Radio**  
 [559, 563, 543, 530, 2527, 571, 137, 2443, 560,  
 554, 2903, 566, 811]. **Radiosity** [2648].  
**Radix** [2631]. **RAID** [2911, 273]. **Rail**  
 [3333]. **Railway** [556, 3364, 501, 3149].  
**Railways** [3331]. **Rainbow** [2314]. **RAISE**  
 [3362]. **Rake** [548]. **RAM** [1863].  
**Ramanujan** [1470]. **Random**  
 [1248, 348, 2020, 2967, 1988, 2015, 2568,  
 1627, 1729, 3544, 2067, 1079, 1111].  
**Randomized** [2836, 2092, 1728, 1735, 1855,  
 2024, 1858, 3557]. **Randomness**  
 [2056, 1734, 1353, 2225, 2248].  
**Randomness-Rounds** [2248]. **Range**  
 [3490, 3492, 2987, 2709, 877, 1102]. **Rank**  
 [1401, 692]. **Ranking** [2284, 377, 1674, 2699].  
**Rapid** [2456]. **Rapidly** [548].  
**Rapidly-Adapting** [548]. **Rarefied** [879].  
**Rate** [3186, 2667, 573, 537, 1563, 816, 825].  
**Rate-** [573]. **Rate-Monotonic** [3186].  
**Rate-Optimal** [2667]. **Rates**  
 [948, 831, 949, 3449]. **Rating** [555]. **Ratio**  
 [1871, 1889, 2562, 1066]. **Rational** [1175,  
 2303, 2640, 2100, 3160, 2954, 3448, 3452].  
**Ratios** [1868, 1091]. **Rayleigh**  
 [535, 541, 806, 537, 540]. **Razor** [3140]. **Re**  
 [1683, 210, 2168]. **Re-** [210].  
**Re-Engineering** [1683]. **Reachability**  
 [1542, 422, 3562, 326, 430, 1491]. **Reaching**  
 [2832, 1327]. **Reacting** [870]. **Reactive**  
 [1629, 1631, 2810, 3488, 1583, 338, 2434,  
 3030, 3032, 1161, 67, 3034, 3035, 1042].  
**Read** [585, 2316]. **Read-Once** [585].  
**Read-Write** [2316]. **Readable** [2883, 2355].  
**Reader** [2907, 2905, 2915, 2823, 2822].  
**Reader/2** [2905]. **Readers** [2914]. **Real**  
 [1762, 2559, 1909, 1386, 2219, 3015, 2539,  
 3016, 994, 1658, 3092, 1964, 1158, 1081, 3366,  
 662, 486, 3018, 856, 31, 1618, 12, 2880, 498,  
 3006, 299, 3023, 2392, 3026, 3027, 300, 302,  
 3029, 2467, 1188, 1632, 2901, 2396, 2793,  
 1347, 1611, 1159, 3526, 2400, 2794, 3038,  
 3553, 3446, 1104, 2269]. **Real-Life** [2539].  
**Real-Quadratic** [2219]. **Real-Time**  
 [1762, 1386, 3015, 3016, 1658, 1158, 662,  
 3018, 856, 31, 1618, 299, 3023, 2392, 3026,  
 300, 302, 3029, 1188, 2901, 2396, 2793, 1611,  
 1159, 2400, 2794, 3038, 3553, 3092].  
**Real-World** [486, 12]. **Realise** [779].  
**Realistic** [3303, 1581]. **Realizability**  
 [1218, 1629]. **Realization** [2815, 75].  
**Realize** [2493]. **Realized** [2432]. **Realizing**  
 [2044, 3543]. **Reals** [479]. **Rearrangement**  
 [3322]. **Rearrangement-Independent**  
 [3322]. **Reason** [479]. **Reasoner** [1939].  
**Reasoning**  
 [2170, 2867, 3355, 2171, 2153, 3257, 2971,  
 2163, 2557, 2208, 2417, 2177, 2166, 1272, 3260,  
 1304, 1264, 2197, 2204, 1714, 1263, 2340, 2948,  
 411, 1260, 2205, 2949, 1261, 2880, 603, 2178,  
 3300, 1308, 1309, 2151, 2504, 410, 3028, 1265,  
 1262, 2956, 1930, 1312, 2160, 1269, 1314, 2168,  
 1267, 2174, 1928, 3304, 475, 1611, 1638, 2958,  
 3565, 2181, 1810, 469, 2802, 2152, 91, 2182,  
 2162, 1316, 3038, 2010, 3214, 1143, 3229, 3261,  
 3263, 3230, 1076, 3219, 1416, 3240, 3224].  
**Reasons** [1986]. **Receiver** [570, 548, 567].  
**Receivers** [3584]. **Receptive** [77]. **recipe**  
 [1503]. **recipe-based** [1503]. **Recognition**  
 [1888, 3164, 1891, 1885, 1140, 1602, 2643,  
 924, 1884, 2420, 1035, 1092, 1090, 1098, 1137,  
 1135, 1138, 1142, 1037]. **Recognizability**  
 [345]. **Recognizable** [388, 1719].  
**Recognizing** [1106, 2071, 3217].  
**Recombination** [3103, 3113].  
**Recomposing** [777]. **Recomputing**  
 [1692, 1241]. **Reconciliation** [128].  
**Reconfigurable**  
 [1210, 2447, 2485, 2444, 2453, 2461].  
**Reconfiguration** [3010, 2585, 2573, 2579].  
**Reconsidering** [1351]. **Reconstructing**  
 [1468]. **Reconstruction**  
 [1205, 1878, 1695, 1879, 1881, 1785, 697,  
 1132, 1134, 1041, 1118, 1121]. **Record**  
 [2381, 743]. **Records** [465, 2804]. **recover**  
 [1102]. **recover-and-select** [1102].

**Recoverable** [2748]. **Recovering** [1110, 1875]. **Recovery** [445, 269, 285, 1870, 1089, 1882, 1146, 1102, 1034, 1051, 1104]. **Recruiting** [2933]. **Rectangle** [3546]. **Rectangles** [2713]. **Rectangular** [1624, 2753]. **Rectilinear** [2694, 1862]. **Recurrence** [2068, 1403, 3520]. **Recurrences** [962, 164]. **Recursion** [1725, 1697]. **Recursive** [3290, 1062, 2737, 762, 3297, 2625, 476, 367, 3299, 604, 683, 3317, 3322, 587, 1084, 3302, 761, 1540, 3231]. **Redesign** [1832]. **Rediscovering** [1376]. **Redistribution** [1560]. **Reduce** [1542]. **Reduced** [235, 1951, 811]. **Reduced-complexity** [811]. **Reduced-State** [1951]. **Reducer** [2658]. **Reduces** [750]. **Reducibilities** [2300]. **Reducibility** [328, 3559, 352]. **Reducible** [431, 350]. **Reducing** [3463, 666, 156, 23]. **Reduction** [2499, 3094, 1564, 232, 2656, 2218, 288, 1162, 1527, 1400, 3537, 2348, 788, 1563, 1682, 1530, 2623, 956, 3461, 809, 708, 3462, 1509]. **Reductions** [340, 150, 1652, 756, 3560, 1400, 1647]. **reducts** [3246]. **Redundancy** [2555, 3071, 2722]. **Redundant** [2376]. **Reed** [1947]. **Reengineering** [1326, 1338]. **Reference** [1204, 3283, 1915, 846, 1610, 2332, 1119]. **References** [2265]. **Referential** [1384]. **refined** [1463]. **Refinement** [3169, 3017, 3342, 3362, 1929, 1910, 747, 1222, 3024, 1186, 3354, 3341, 186, 1157, 1159, 3361, 508, 595, 2140, 1459, 3243, 1108]. **refinement-tree** [1459]. **Refinements** [2199, 351]. **Refitting** [1547]. **Reflecting** [594, 1453]. **Reflection** [912, 2212, 1796, 1031]. **Reflective** [2171, 779, 3176]. **Reformulation** [268]. **Refutably** [3323]. **Refutation** [3368]. **Refute** [279]. **Regarding** [1200]. **Regions** [157, 2581, 670, 1126, 1081]. **Register** [513, 1285, 104, 2885, 75]. **registering** [1119]. **Registers** [2819, 1288, 2823, 1294, 2666, 503]. **Registration** [1075, 1665, 1117, 1063, 1059]. **regressive** [823]. **Regular** [2997, 359, 3308, 3295, 2992, 1646, 3000, 2982, 473, 3310, 601, 294, 1025, 2991, 1378, 2981, 3545, 2145]. **regularities** [3255]. **Regularity** [2116]. **Regularization** [3506]. **regularized** [1121]. **Regulation** [3098]. **Rehabilitation** [2921, 2922]. **Reification** [3339]. **Reinforcement** [2414, 3150, 3088]. **REKAP** [3173]. **Related** [1833, 209, 127, 2877, 363, 2254, 3549, 2321]. **Relating** [768, 400]. **Relation** [746, 2362, 438, 1772, 3342, 1641, 1584, 92, 3328, 1325]. **Relational** [1522, 3017, 2112, 2744, 1691, 1819, 3370, 1828, 2840, 2342, 583, 2780, 2786, 759, 2804, 393, 1649, 3423, 1823, 2371, 2736, 1606, 437, 451, 1804, 3226, 3227, 1903]. **Relations** [1300, 1693, 2269, 2207, 685, 587, 1745, 2739, 2749, 475, 617, 2940, 1166, 3249, 3267]. **Relationship** [1205, 1819, 1811, 140, 1827, 2307, 1822, 1806, 1804, 1810, 1813, 3268]. **Relationships** [1662, 2549, 588, 1189, 3238]. **Relative** [1797, 2587, 1121]. **Relativity** [1328]. **Relativization** [1709]. **Release** [108, 109]. **Relevance** [2175, 763, 3262]. **Relevant** [2184]. **Reliability** [3534, 2582, 826]. **Reliable** [266, 282, 3188, 533, 2607, 3207, 2290, 2555, 275, 291, 1729, 3445, 2133]. **RELIEF** [586]. **Remaining** [287]. **Remark** [252]. **Remote** [2242, 1492]. **Removal** [1013, 1266, 1027]. **Removing** [1565]. **Renaming** [2824]. **Rendering** [2692, 854, 2647]. **Reordering** [2080]. **Reorganization** [427]. **Repair** [3084, 269, 3373]. **Repaired** [111]. **Repeated** [2376, 1870]. **Replaceability** [1642]. **Replacement** [389]. **Replay** [2620, 175]. **Replicated** [2814, 2042, 308, 3422]. **Replication** [1835, 2242, 766]. **Report** [484, 1010, 2935]. **Reporting** [2089, 355]. **Repository**

[1824, 66]. **Repository-Based** [66]. **Represent** [2106]. **Representability** [3298]. **Representable** [2035]. **Representation** [3059, 2175, 1868, 2857, 1911, 1976, 386, 1923, 2803, 2421, 1307, 2093, 1195, 274, 1333, 79, 2900, 1977, 1269, 577, 3134, 63, 1030, 58, 3183, 2330, 2011, 3124, 3241, 1501, 1127, 3216]. **Representational** [3150, 2999]. **Representations** [2157, 1353, 2986, 1883, 2007, 1358, 1216, 1620, 1890, 1312, 2996, 1978, 1148, 3460]. **Representing** [1457, 2938, 178, 2081, 450, 619, 1412, 2894, 2010]. **Reprogrammable** [2440]. **Requests** [1836]. **Required** [2827, 799]. **Requirement** [1818, 1809]. **Requirements** [2788, 35, 2523, 3196, 2526, 2167, 2524, 192, 2508, 3585, 1327, 1329, 2509, 2355, 265, 858, 3199, 1331, 450, 67, 3279, 3400]. **Research** [3439, 2897, 891, 935, 2732, 929, 3425, 916]. **Reservation** [2407, 3179]. **Reservoir** [906]. **Reset** [2837]. **Residual** [2332]. **Residuosity** [219]. **Resilient** [2236, 2723]. **Resistant** [549]. **resistive** [1070]. **Resolution** [568, 2199, 1932, 2690, 734, 3438, 3533, 277, 2196, 2854, 1787, 3271]. **Resolving** [1143]. **Resource** [2056, 2828, 1781, 1709, 1389, 3194, 321, 2667, 3585, 530, 2211, 2392, 1963, 2715]. **Resource-Bounded** [321]. **Resource-Constrained** [2667]. **Resource-Oriented** [1781]. **Resources** [944, 2535, 3179, 1611, 3233]. **Respect** [853]. **Response** [1954, 551, 552]. **restoration** [1085, 1083]. **Restricted** [3307, 3088, 3255]. **Restrictions** [2941, 2560, 2207, 3034, 1466]. **Restrictiveness** [500]. **Restructuring** [3251]. **Result** [460, 457]. **Resultant** [2727]. **Resultants** [2641]. **Results** [3396, 911, 3101, 3079, 2708, 1016, 1838, 346, 3084, 3332, 982, 2389, 1694, 1853, 1639, 2299, 682, 557, 2897, 541, 612, 2583, 873, 531, 1325, 1093, 2119, 3235]. **Resynchronization** [105]. **Retail** [3429]. **Retrieval** [2788, 2156, 463, 2159, 2111, 3284, 2742, 923, 2789, 1664, 2097, 2749, 1674, 1825, 2180, 2165, 3183, 3276, 2162, 2790, 2950]. **Retrieving** [2165, 3570]. **Reusable** [2456, 9, 1749, 413]. **Reuse** [44, 46, 1818, 2862, 1770, 1339, 47, 2521, 1338, 3301, 45, 3160, 1337, 1893, 634]. **Reusing** [2861, 3166]. **Reverse** [1819, 1820, 531, 2713, 574]. **Reverse-Fit** [2713]. **Revision** [2418, 2193, 1313, 3356, 1317, 2194, 3245]. **Revisited** [1708, 632, 1448]. **Revisiting** [2078]. **Rewrite** [1784, 2500, 2657, 1520, 1530, 1531]. **Rewriting** [2384, 383, 1521, 1350, 749, 387, 1725, 2352, 2303, 623, 393, 329, 1536, 395, 396, 2502, 2851, 689, 2315, 2383, 738, 399, 400, 401, 1523, 1586, 704, 705, 636]. **Rician** [565]. **Riemann** [3470]. **RIFLE** [2564]. **rig** [1146]. **Rights** [114]. **Rigid** [2964, 1117, 1778, 2195, 1464, 1063]. **Rigorous** [3349, 2844]. **Ring** [2833, 2026, 2584]. **Ring-Banyan** [2584]. **Ring-orientation** [2833]. **Rings** [2495, 1851, 2833, 2055, 1199]. **rippling** [1449]. **RISC** [3026, 163, 2892, 487]. **RISC-Pipeline** [2892]. **Risk** [2241, 2460]. **Risk-Free** [2460]. **RML** [2333]. **RNA** [1258]. **Road** [2937, 1137, 1068]. **Robot** [2911, 38, 914, 1739, 2912, 3085, 2416, 2940, 2012, 1130]. **Robotic** [456]. **Robust** [1146, 583, 3405, 1076, 1080, 2026, 2947, 2416, 1103, 1074, 1137]. **Role** [3163, 598, 1260, 2779, 77, 57, 443, 2165, 1816, 1813, 3276, 1113]. **Role-Attribute** [1813]. **Role-Based** [443]. **Roles** [2207, 1743]. **Roll** [276]. **Roll-Forward** [276]. **Rollback** [269]. **Rolling** [3519]. **ROMM** [2603]. **rotating** [1133]. **Rotation** [2034, 2438, 2484]. **Rotor** [1279]. **Rough** [3221, 2977, 1271, 316, 3250, 3219]. **Round** [2245]. **Rounds** [2248, 235]. **Routability** [2465, 2481]. **Route** [1245, 2429]. **Router** [2606, 2607, 2611, 2602, 2595, 2592].

**Routers** [2591, 2594, 2590, 2598]. **Routes** [2074]. **Routing** [2601, 1836, 2720, 2612, 2829, 2593, 425, 1533, 2679, 2053, 2428, 2602, 2052, 2054, 334, 2467, 3151, 3146, 2609, 2603, 2599, 2610, 1616, 444, 2055, 335, 2319]. **RPL2** [3155]. **RPM** [1008]. **RSA** [95, 231, 252]. **RSA-120** [231]. **RSL** [3363]. **RSVP** [2407]. **RT** [2995]. **RTL** [2433, 3368]. **RTSORAC** [2793]. **Rule** [3084, 3122, 2881, 3299, 2804, 2657, 448, 2158, 3228, 3248, 3251, 3222]. **Rule-Based** [2804, 448, 2158, 3122, 3228]. **Rule-Generating** [3299]. **rule-sets** [3248]. **Rules** [2415, 2436, 406, 1985, 1305, 2803, 2001, 3086, 750, 2298, 3567, 3333, 2173, 2771, 1409, 316, 3253, 1894, 2134]. **Run** [2357, 1559, 1071]. **run-distribution** [1071]. **Run-Time** [1559]. **Runnable** [2355]. **Runs** [3021]. **Runtime** [2614, 3192]. **Runtime-efficient** [3192]. **RUTH** [3245].

**s** [703, 1952, 2353, 2883, 1914]. **S-Semantics** [2353]. **S-Sets** [1952]. **S4** [1026]. **SA** [3369]. **SA/RT** [3369]. **Sacks** [2666]. **Safari** [2074]. **Safe** [1642, 402]. **SAFER** [1274]. **Safety** [556, 3363, 2442, 3025, 501, 2478, 907, 2566, 3260]. **Safety-Critical** [2442]. **Salesman** [3102, 3501, 2267, 3113]. **Saliency** [2747]. **Salosauna** [1351]. **Same** [2563, 1977]. **Sample** [589, 303]. **Sampled** [65, 3040, 1060]. **Samples** [3000, 2041]. **Sampling** [74, 267]. **SAMSON** [2548]. **SAT** [2967, 2031]. **Satellite** [562]. **Satellite-Mobile** [562]. **Sather** [518]. **Satisfaction** [426, 3375, 3373, 3394, 3100, 3372]. **Satisfiability** [419, 2367, 3567]. **Satisfying** [100]. **Saturday** [54]. **SBF** [3172]. **Scalability** [842, 2613, 1576, 833]. **Scalable** [155, 266, 829, 958, 2604, 2829, 869, 1206, 946, 854, 953, 3510, 1602, 915]. **Scalar** [879, 1058]. **Scale** [979, 860, 1339, 862, 903, 1055, 1674, 2845, 972, 924, 2814, 2097, 1129, 1053]. **Scale-space** [1055]. **scale-spaces** [1129]. **Scaleable** [991]. **Scaled** [2411, 1078]. **Scaling** [3180, 3584]. **Scanning** [2670]. **Scattering** [3488, 2555]. **SCDBR** [1939]. **Scenario** [1326, 2548, 2547, 1325]. **Scenarios** [30, 38, 936]. **Scene** [84]. **scenes** [1138]. **Scheduler** [736, 2394, 3042]. **Scheduling** [3186, 2343, 3092, 2714, 1587, 160, 173, 3049, 2595, 2085, 3029, 1615, 3031, 670, 1581, 166, 1582, 983, 1859, 2398, 2683, 2278, 2715, 2716]. **Scheldt** [904]. **Schema** [3558, 1981, 2842, 1831, 759, 1814, 3274, 1808, 441, 449, 1804, 1817, 1340, 3227]. **Schemas** [442, 453, 465, 1815, 1227, 1823]. **Schemata** [3106]. **Scheme** [2707, 779, 533, 2240, 3559, 2222, 539, 2235, 425, 3576, 986, 2061, 3192, 252, 1243, 2599, 113, 2697, 3589, 2687, 1613, 1616, 215, 544, 2330, 3124, 926, 819, 111, 1450, 1017, 1607]. **Schemes** [1942, 256, 1944, 225, 2229, 101, 255, 238, 2233, 1021, 3560, 2725, 226, 2066, 3568, 683, 1216, 102, 3112, 276, 1799, 131, 214, 135, 2230, 3107, 239, 227, 130]. **Schmidt** [2632]. **Schnorr** [131, 130]. **Schoof** [3451]. **School** [52]. **Schur** [802]. **SCIDDLE** [979]. **Science** [895, 1174, 6, 34, 2929, 3281, 3213]. **Scientific** [2668, 2664, 1555, 3273, 3510, 3274, 179, 902, 3244]. **Scoping** [734]. **Score** [1234]. **SCOTT** [1471]. **Screen** [2914, 2907, 2905, 2915]. **Screen-Readers** [2914]. **Screening** [610]. **Screens** [2909]. **script** [1440]. **Sea** [904]. **Seamless** [2848]. **Search** [419, 2343, 3150, 3000, 2982, 2973, 1846, 1974, 426, 1391, 1986, 2043, 427, 1244, 2305, 920, 2239, 3077, 1025, 459, 3134, 3142, 3081, 3382, 1420]. **searches** [1515]. **Searching** [2696, 184, 2689, 1849, 2090, 1243, 2709, 3089, 1799]. **Second** [184, 345, 1404, 1532, 641, 2320, 695, 702]. **Second-Order** [345, 1532, 641, 695]. **Secondary** [2073]. **Secret** [1944, 225, 128, 108, 220, 228, 102, 257, 221, 135, 2229, 109].

**Secret-Key** [257]. **Secure** [3404, 3196, 3416, 3420, 3414, 108, 2555, 3332, 240, 3405, 2232, 1299, 3409, 2801, 3419, 2249, 3415, 2818, 109]. **SecureNet** [2512]. **Security** [3413, 2512, 3195, 2548, 2244, 3412, 2869, 3196, 2250, 3335, 3414, 2524, 1285, 1327, 249, 254, 2549, 125, 3403, 2547, 1806, 3415, 3400, 253]. **Sediment** [904]. **SEE** [182]. **Seeing** [1096, 1095]. **seeking** [2100]. **Seeks** [2921]. **Segment** [2595]. **Segmentation** [1103, 1079, 1104, 1882, 1081, 1068]. **Segments** [2017, 2708, 1856, 2072]. **Seismic** [3497]. **select** [1102]. **Selected** [3521]. **Selecting** [3427]. **Selection** [1834, 3104, 2419, 144, 1573, 2645, 600, 651, 3126, 3078, 2178, 3153, 1207, 3135, 3077, 3114, 3112, 2025, 3107]. **Selective** [538, 557, 3052, 350]. **Self** [2631, 2837, 1947, 2064, 3177, 1133, 2437, 2833, 2661, 1130, 2684, 431, 1857, 2705, 18, 3176, 1054]. **Self-Adaptive** [3176]. **Self-Adjusting** [2064]. **Self-Assessment** [18]. **Self-calibration** [1133]. **Self-Checking** [1947]. **Self-Organizing** [2684]. **self-orientation** [1054]. **Self-Reducible** [431]. **Self-similar** [3177]. **Self-Sorting** [2631]. **Self-Stabilization** [2705, 2837]. **Self-Stabilizing** [1857, 2833]. **Self-Testable** [2437]. **Self-Timed** [2661]. **Semantic** [1826, 765, 2744, 3443, 1830, 629, 1828, 2986, 2948, 2878, 747, 2741, 2357, 2179, 1466, 1812, 2798, 660, 637, 1901]. **Semantic-Based** [2357]. **Semantical** [2975]. **Semantically** [2744, 1429, 1471]. **Semantics** [1218, 381, 384, 1160, 1983, 2353, 1178, 2496, 452, 1985, 1179, 491, 1652, 729, 2944, 408, 3369, 2294, 1831, 2297, 1525, 2000, 2211, 1309, 2885, 396, 1228, 3384, 3383, 3357, 3358, 1313, 3359, 1785, 1266, 767, 2333, 451, 1585, 778, 1192, 1159, 1328, 2095, 1233, 1032, 3236, 700, 701, 2136, 3258, 707, 3262, 622, 2131, 1505, 721, 3216, 723, 2114, 2144]. **Semester** [4]. **Semi** [1696, 3544, 3475]. **Semi-Deterministic** [1696]. **semi-groups** [3475]. **Semi-Random** [3544]. **Semiautomatic** [966]. **Semiconductor** [865]. **Semigroups** [2304]. **Semiorders** [1977]. **Semirings** [347]. **Sense** [2971, 1311]. **Sensitive** [608, 3423]. **sensitivity** [1110]. **Sensor** [2937]. **Sensor-Based** [2937]. **Sentences** [1305]. **Separability** [2059]. **Separable** [814, 691]. **Separate** [739]. **Separating** [1842, 349]. **Separation** [773]. **Separators** [378]. **Sequence** [1237, 4, 1235, 2291, 547, 2443, 549, 882, 542, 822]. **Sequences** [2044, 2665, 1293, 370, 2986, 106, 104, 1238, 587, 2243, 2049, 3543, 3039, 1100, 1084, 1101, 1086, 1082, 1121]. **Sequencing** [2277]. **Sequent** [1783, 1262, 1484]. **sequent-based** [1484]. **Sequential** [2499, 3402, 1164, 1841, 3547, 1772, 1848, 2045, 905, 260, 1554, 327, 813, 1247, 1602, 1405, 882, 3553, 90, 2132]. **Sequential-Parallel** [905]. **Sequentiality** [1165, 1150]. **Sequentially** [3565]. **Serial** [1594, 571]. **Series** [1361, 3095, 2071, 3516, 2154, 3587]. **Series-Parallel** [2071]. **Server** [3571, 305, 500, 3188, 2479, 114, 2799, 3407, 3210, 2410, 923, 291, 1686]. **Server-Process** [500]. **Servers** [1667, 444]. **Service** [2536, 2532, 3577, 831, 2518, 2550, 2401, 2537, 2513, 2528, 3288, 2524, 2544, 1684, 3576, 3211, 2521, 2508, 3407, 2517, 2179, 2509, 2553, 2510, 2549, 2534, 3178, 2541, 2409, 2933, 2551]. **Service-Driven** [2550]. **Service/Resource** [2544]. **Services** [2514, 181, 2530, 3182, 305, 2518, 3188, 3581, 2526, 2863, 2531, 2529, 2507, 2786, 2392, 3180, 3572, 3204, 3199, 2535, 3578]. **Serving** [1836]. **SESAME** [2512]. **Session** [209, 32, 26, 20, 24, 16, 11, 40, 48, 44, 7, 3, 185, 190, 180, 197, 3398, 204]. **Set** [1979, 3396, 2017, 2387, 2877, 1392, 2389, 3393, 730, 2468, 1991, 2386, 1668, 429, 3322, 1993, 399, 316, 3430, 792, 2893, 3250, 1056, 1515, 1517]. **Set-Based** [3393, 1668]. **Set-Driven** [3322].



**Set-Theoretic** [399]. **SETHEO** [1474].  
**Sets** [578, 2060, 2019, 3291, 1952, 2415, 1621, 2020, 1352, 388, 1017, 2270, 582, 1967, 1850, 2300, 431, 1026, 1722, 2977, 2256, 1786, 350, 404, 3248, 1974, 3219]. **Setting** [1779].  
**Seven** [3338, 3444]. **Several** [3535, 679].  
**Severely** [2919]. **Sexual** [3077]. **SGML** [1675]. **Shading** [1875, 1093]. **Shadow** [560].  
**Shallow** [472]. **Shape** [2857, 1078, 1093, 1116, 61, 1086, 1875, 1048, 1112, 1125, 714, 1127, 1034, 1051, 1118].  
**Shape-adapted** [1116]. **Shapely** [714].  
**Shared** [266, 2653, 2654, 3500, 1553, 156, 976, 2641, 2913, 2620, 1612, 2834, 2652, 175, 977, 2361, 3573, 135, 2650].  
**Shared-Control** [2913]. **Shared-Memory** [2620, 175, 2650, 2834]. **Shares** [101].  
**Sharing** [1944, 225, 2229, 831, 2588, 156, 3061, 228, 102, 2348, 689, 221, 3160, 220, 718]. **Shell** [1320, 3431, 1484]. **Shestakov** [1943].  
**SHGCs** [1104]. **Shift** [1285, 1288, 104, 1294, 2085, 75, 503, 3464].  
**Shift-Register** [104]. **Shop** [2343]. **Short** [1981, 3490, 3492, 3095, 228, 1729, 2230].  
**Short-Range** [3490, 3492]. **Shorter** [3186, 2319]. **Shortest** [1248, 2711, 1841, 3542, 1703, 2306, 2091, 2074]. **Should** [1432, 271, 1741, 1742, 2517, 477].  
**Shrinking** [216, 1278]. **Shuffle** [1368].  
**Sided** [303]. **Sidel'nikov** [1943].  
**Sidel'nikov-Shestakov** [1943]. **Sieve** [230, 1225, 3457]. **Sieves** [94, 3476]. **sieving** [3447]. **Sighted** [2927]. **Sigma** [3140].  
**Sigma-Pi** [3140]. **Sign** [2900, 1137]. **Signal** [3093, 824, 3031]. **Signalling** [3331, 3333, 501]. **signals** [808, 820].  
**Signature** [1942, 255, 2222, 2235, 2476, 252, 464, 131, 214, 2790, 111, 130]. **Signatures** [116, 2221, 3408, 238, 108, 2587, 2220, 239, 109]. **Signed** [3220]. **Signification** [2513].  
**Signing** [2234]. **SIMD** [2665, 3491, 840, 94, 2625, 871, 1536, 1602, 1208, 1601, 1559].  
**SIMD-Systems** [871]. **similar** [3177].  
**Similarity** [2156, 2163, 579, 2164, 2157, 1256, 2160, 2161, 2158]. **Simple** [2331, 2622, 3308, 1524, 1707, 505, 2066, 1619, 275, 355, 686, 1448, 3325, 523, 738, 1862, 2556, 909, 2701, 791, 2074, 1864, 3074, 2959, 2028].  
**Simplicity** [2341, 300]. **Simplification** [2390, 2366, 712]. **Simplifications** [2349].  
**Simplified** [2231]. **Simplifies** [115].  
**Simplify** [224, 2752, 223]. **Simplifying** [2367, 2675, 2889]. **Simply** [3050].  
**Simply-Typed** [3050]. **Simulate** [2314].  
**Simulated** [1608, 3137, 3135, 3134, 898].  
**Simulating** [918, 2468, 2562, 890, 2454].  
**Simulation** [834, 2574, 911, 3012, 556, 704, 881, 3130, 19, 879, 1956, 838, 896, 80, 3020, 853, 868, 1186, 865, 937, 1545, 541, 552, 858, 867, 1188, 1296, 325, 612, 3048, 897, 3519, 886, 81, 990, 503, 936, 1512, 3523, 904, 870, 3526, 3171, 2182].  
**Simulation-Based** [2574]. **Simulations** [908, 489, 869, 3535, 894, 887, 915, 2147].  
**Simulator** [906, 3428, 836]. **Simulators** [2566]. **Simultaneous** [2284, 2635, 3375].  
**Singapore** [1655]. **Single** [242, 121, 3542, 168, 2565, 393, 365, 394, 2923, 395, 540, 1712]. **Single-Assignment** [168]. **Single-Pushout** [395].  
**Single-Source** [3542]. **Single-Term** [242].  
**Single-Valued** [365]. **Singular** [3484, 960, 801]. **Singularities** [3533].  
**Situation** [1939, 2539, 1273, 3173, 2979].  
**Situations** [3168, 2010]. **Size** [101, 1551, 2081, 2304, 1730, 2620, 3108, 175, 1373, 2230, 1877, 3114]. **Size-Depth** [1551].  
**sized** [2813]. **Sizes** [2595, 457]. **Sizing** [2672]. **Skeletons** [985]. **Skew** [3537]. **SLD** [1787, 2328]. **sleep** [1517]. **Sleepers** [2345].  
**Sliced** [464]. **Slicing** [149, 2352]. **Slotted** [569, 566]. **Slow** [538]. **Small** [578, 582, 1706, 2027, 349, 2036, 2813, 2752].  
**Small-** [2813]. **Smaller** [523]. **SMART** [863]. **SIMsC** [3443]. **SML** [648, 2797].  
**SML/NJ** [648]. **SMoLCS** [626]. **smooth** [1117, 1041]. **smoothing** [1116]. **SMU** [49].

**Snapshot** [2823, 2704]. **SNMP** [2522]. **SOCCA** [198]. **Social** [1959, 1958, 1273, 1956, 3097]. **Social-Like** [3097]. **Societies** [1956, 412]. **Society** [2779]. **Soft** [2559, 2796, 3153, 574]. **Soft-Real-Time** [2559]. **Software** [206, 181, 183, 26, 40, 48, 44, 3, 2455, 3426, 35, 1277, 4, 51, 881, 30, 46, 2669, 2451, 2558, 3494, 912, 211, 49, 43, 19, 2, 885, 53, 844, 38, 3362, 3499, 946, 521, 1339, 160, 31, 2646, 12, 2667, 507, 47, 210, 28, 23, 509, 10, 285, 1338, 3510, 2582, 9, 3192, 937, 2629, 287, 2570, 2510, 50, 6, 13, 63, 41, 55, 2846, 29, 34, 945, 969, 1281, 1344, 2628, 5, 204, 194, 2813, 203, 795, 947, 196, 17, 2566, 623, 1439, 42]. **Software-** [969]. **Software-Faults** [287]. **Software-Optimised** [1281]. **Software/Hardware** [795]. **Solid** [2726, 1041]. **Solid-on-Solid** [2726]. **Solitary** [244]. **Solomon** [1947]. **Solution** [3486, 1671, 856, 2306, 2640, 1367, 2813, 2753, 872, 1502, 2464]. **Solutions** [3416, 1988, 2021, 2258, 2267, 1720]. **Solve** [2834]. **Solver** [1011, 963, 875, 861, 961, 877, 876]. **Solvers** [874, 3176, 3529, 3531]. **Solving** [2495, 3163, 860, 884, 2271, 2938, 580, 3162, 1723, 2341, 2293, 2068, 2390, 3555, 410, 3519, 3520, 613, 2174, 2263, 668, 594, 2152, 2014, 2753, 1491]. **Some** [266, 1167, 1182, 994, 2698, 2387, 1016, 1470, 1390, 3084, 315, 2389, 78, 3381, 682, 1363, 363, 2061, 1278, 3513, 2373, 3216, 430, 477, 1003, 1688, 2577, 2317, 478, 2194, 418, 1693, 2462, 2154, 3475]. **Sometime** [1910]. **Sometimes** [1910, 1369]. **Sort** [799]. **Sorted** [1724, 2965]. **Sorting** [2631, 3566, 332, 1207, 334, 1738, 2721]. **Sorts** [2965, 2210, 1460, 624]. **SOS** [749, 704]. **Sound** [3428, 722]. **Soundness** [3563]. **Source** [3542]. **Sources** [1272, 1087]. **Southern** [904]. **SP** [879, 3504]. **SP-1** [879, 3504]. **SP1** [2601]. **SP2** [3525]. **Space** [1381, 222, 1234, 2695, 1832, 1236, 3137, 1646, 1838, 2982, 2421, 1735, 2670, 2822, 2357, 2660, 325, 3088, 446, 2705, 2323, 323, 1073, 1055, 1509, 1053]. **Space-Efficient** [325]. **Space-optimum** [2822]. **Space-Time** [2670]. **Spacecraft** [3027, 3152]. **Spaces** [1270, 306, 3063, 1025, 279, 3142, 592, 1081, 1129]. **Spacing** [3131]. **SPADE** [182]. **SPADE-1** [182]. **Span** [2222, 106]. **Spanner** [2693]. **Spanning** [1197, 1706]. **Spark** [2658]. **Sparse** [3485, 144, 2626, 3507, 1576, 3524, 1978, 1559, 3531]. **Spatial** [2035, 2914, 2949, 1195, 2777, 79, 2738, 2748, 3112, 2976, 1657, 2940]. **Spatially** [1087]. **spatiotemporal** [1066]. **Special** [2511, 2813, 87]. **Specialization** [1408]. **Specific** [88]. **Specification** [1762, 3012, 2536, 1939, 2431, 1761, 3017, 3335, 198, 3018, 338, 2785, 1526, 2883, 2621, 3026, 2627, 1187, 405, 2553, 1528, 3032, 1161, 503, 659, 1344, 2361, 3034, 3434, 3361, 3365, 3036, 1907, 2552, 3390, 3241, 629, 633, 719, 640, 641]. **Specifications** [337, 2436, 1522, 740, 1818, 3353, 3370, 3288, 2618, 3332, 2625, 3049, 3360, 1329, 2542, 2355, 1156, 3344, 2193, 2325, 2488, 1809, 1529, 398, 658, 3035, 1193, 2762, 1800, 362, 627, 3259, 628, 630, 636, 720, 639]. **Specificity** [2202, 2960]. **Specified** [1598, 2039]. **Specifying** [3352, 3363, 3007, 1344, 2545, 403, 3039, 2893]. **Spectrum** [570, 543, 1525, 572, 2443, 565]. **Speculative** [653, 269]. **Speech** [568, 1954, 1955, 2899, 2914, 2907, 1333, 1331]. **Speed** [2472, 932, 2438, 2432, 936, 929]. **Speed-Up** [2432]. **Speedup** [1557, 1986]. **spheres** [1128]. **SPIKE** [1486]. **SPILL** [2355]. **SPILL-2** [2355]. **Spiral** [12]. **Spirit** [1966]. **Splaying** [3561]. **spline** [1121]. **Split** [2546, 3547]. **SPMD** [2618, 987, 964]. **SPN** [2560]. **Spoken** [3002]. **SPP** [3516]. **Spread** [570, 2443, 565, 572]. **Spread-Spectrum** [570]. **Spreadsheet** [520]. **SProc** [2125]. **SQL** [1675, 2809, 2841, 2734, 1899, 2758]. **SQL-Like** [2841]. **Squares** [1246, 1110]. **ST** [2407, 2406]. **ST-2** [2406]. **ST-II** [2407].

**Stability** [1038, 3529, 3074, 1147].  
**Stabilization** [2705, 2837]. **stabilizers** [1124]. **Stabilizing** [1857, 2833]. **Stable** [1715, 2944, 408, 273, 2279, 3262]. **Stack** [1349, 2474, 567]. **Stack-Based** [2474].  
**Stackability** [3050]. **Stages** [3171].  
**Staggered** [1607]. **Stalk** [362]. **Standard** [2492, 386, 1306, 967, 3569, 3209, 3427, 295, 3057, 1050, 2213, 469]. **Standardization** [433]. **Standardizing** [2112]. **Standards** [2507]. **Standpoint** [1374]. **Star** [2286, 343, 2317, 1665]. **State** [1382, 3012, 1386, 831, 2992, 1832, 1183, 1646, 1653, 2206, 2437, 3088, 1598, 1173, 482, 3573, 1951, 3545, 2929, 3039, 1488, 1509, 803].  
**State-Dependent** [831]. **State-Space** [1832]. **Statecharts** [491, 396, 767, 3011, 2114]. **Statements** [664]. **States** [310]. **Static** [1555, 3049, 2357, 3048, 2454, 3252].  
**Statically** [1178]. **Statically-Typed** [1178].  
**Station** [534]. **Statistical** [2990, 438, 821, 2994, 2991, 3073, 2567, 820, 1066].  
**Statistically** [238, 239]. **Status** [1010].  
**Steiner** [2694, 2063, 2061, 2054]. **Steno** [2901]. **Step** [3114, 2162]. **Step-size** [3114].  
**Steps** [521]. **Stepwise** [3362, 3030, 1682, 186, 508]. **Stereo** [1868, 917, 1146, 1130, 1073, 1132, 1114, 1091].  
**Stereoscopy** [2515]. **stereovision** [1077].  
**STIMS** [81]. **STIMS-MEDTOOL** [81].  
**Stit** [1927]. **Stochastic** [3012, 2992, 2990, 3003, 1502, 2985, 88, 1258, 1105, 1101].  
**Stochastic/Non** [3012]. **Stochastic/Non-stochastic** [3012]. **Stock** [2753].  
**Stokes** [875, 861, 877, 876]. **Stokes-Flow** [861]. **Stop** [238, 694, 239]. **Storage** [456, 2756, 2408, 3276, 1512]. **Store** [3571, 463]. **stored** [1903]. **Stories** [465].  
**story** [3238]. **Str** [1444]. **Straight** [3454].  
**Straight-line** [3454]. **Strategic** [1964, 2779]. **Strategies** [3163, 3101, 1573, 705, 2197, 1391, 2975, 2939, 3111, 2658, 1020, 2661, 2399, 3315, 2410, 313, 1739, 3354, 2638, 3545, 882, 3276, 1420].  
**Strategy** [2499, 529, 3079, 1763, 2071, 1552, 2895, 82, 2405, 3115, 3351, 1901].  
**Stratification** [1314]. **Stratified** [2792].  
**Stream** [1277, 1280, 105, 1286, 217, 1500].  
**Streams** [2411, 1225]. **Strengthening** [3410]. **Stress** [2977]. **Strict** [100, 1962, 3061]. **Strictly** [1551].  
**Strictness** [3069, 3067, 3064, 3068, 711].  
**String** [1254, 356, 2730, 1256, 2296, 2090, 1245, 1242, 1246, 417, 1377].  
**String-Matching** [1245]. **Strings** [1248, 1257, 2050, 3380]. **Strip** [1560].  
**Strong** [1218, 1395, 329, 2082, 1995, 1520, 708, 1441].  
**Strongly** [1467, 815]. **strongly-connected** [815]. **Structural** [2164, 2849, 2998, 2900, 1228, 1152, 2318, 2567, 774, 1499, 1509].  
**Structure** [880, 2924, 1868, 144, 357, 1677, 1273, 376, 2731, 2618, 2718, 315, 471, 2179, 2542, 607, 2108, 2096, 1870, 1679, 2748, 401, 3143, 3276, 1049, 1048, 1116, 1084, 2123].  
**Structured** [2993, 2157, 2740, 604, 1252, 639, 2144].  
**Structures** [1384, 1717, 1733, 2558, 2110, 1005, 473, 2015, 367, 2437, 649, 393, 394, 2467, 2756, 2002, 1870, 2433, 143, 400, 1872, 440, 1874, 404, 2102, 2454, 3253, 1509, 1040, 1356, 1360].  
**Structuring** [2926, 2509, 2782, 2543].  
**stubborn** [1515, 1517]. **Students** [28, 2927, 2928, 2929]. **Studies** [295]. **Study** [3010, 3127, 43, 3362, 3332, 2945, 3133, 2927, 2738, 1225, 3444, 2510, 2549, 1528, 2767, 2185, 1407, 503, 2262, 3337, 1590, 3427, 985, 1325, 1558, 3242]. **Studying** [3098, 2887].  
**Stumps** [590]. **Stuttering** [1930]. **Style** [2514, 1227, 2736, 502, 1479, 2134]. **Styles** [3430, 2362]. **Sub** [1164, 545].  
**Sub-Language** [1164]. **Sub-optimal** [545].  
**Subclass** [309]. **Subclasses** [1743].  
**Subcodes** [1948]. **Subexponential** [229, 3448, 3467]. **Subgraph** [1858].  
**subgroup** [3448]. **Subgroups** [1710].

**Subject** [788, 1752]. **Subjunctive** [1303, 1313]. **Sublanguage** [146]. **Sublattices** [614]. **Subliminal** [110]. **Sublinear** [2305]. **Sublogarithmic** [2323, 323]. **subnets** [1516]. **Suboptimal** [1236, 1242]. **Subpages** [1600]. **Subpopulations** [3115]. **Subroutine** [970, 3244, 1439]. **Subsequence** [370]. **Subsequences** [1249, 1703, 2276]. **Subset** [64, 3126, 2033, 2320]. **Subspace** [957]. **Substitution** [3371, 1997, 2247]. **Substitutions** [2294, 3555]. **Substrate** [2607]. **Substrings** [1239]. **Subsumption** [1302, 436, 410, 440]. **Subsumption-Free** [440]. **Subsystem** [273, 3414]. **Subsystems** [358, 2456, 2442]. **Subterm** [3556]. **Subtrees** [2060]. **Subtyped** [761]. **Subtyping** [1755, 762, 741]. **Success** [1325, 812]. **Successful** [22, 805]. **Successive** [2582, 540]. **Succinctness** [364]. **Sufficient** [2491, 1048, 1486]. **Suffix** [709]. **Suggested** [30]. **Suitable** [2434, 1295, 1491]. **Suite** [950, 655, 2630]. **Sum** [2033]. **Super** [496, 2083, 1738]. **Super-Logarithmic** [1738]. **Superclasses** [1741, 1742]. **Supercompilation** [3070, 726]. **Supercomputers** [936, 909]. **Supercomputing** [861, 891, 935]. **Superhighways** [852]. **Superlinear** [1986]. **Superposed** [1502]. **Superposition** [693, 821, 1455]. **superquadric** [1102]. **Superscalar** [2447, 837]. **Supersequences** [1249, 1703]. **Superstrings** [1248, 1841]. **Superunitary** [2639]. **Supervised** [3126, 611]. **Support** [3355, 1336, 51, 2159, 3581, 2537, 3164, 151, 1319, 439, 2395, 2608, 2904, 845, 3433, 2411, 1329, 1814, 2179, 3285, 3572, 782, 974, 1320, 3199, 2391, 3429, 2928, 1345, 2937, 2541, 2540, 490, 29, 2409, 2598, 3582, 1786, 3579, 1324, 2787, 3276, 508, 1504]. **Support-Environment** [3572]. **Support-for-Negation** [1786]. **Supported** [3438, 2888, 1752]. **Supporting** [906, 2663, 3440, 3577, 463, 2768, 3194, 2392, 663, 446, 194, 2775, 3422, 3279, 2929]. **Supportive** [2927]. **Supports** [1680]. **Surface** [1883, 988, 1112, 1075, 1110, 1089, 1119, 1085, 1121]. **Surfaces** [2034, 1970, 1891, 1117, 1036, 1053]. **Surfactants** [886]. **Surveillance** [2512]. **Survey** [1935, 624]. **Susceptibility** [1942]. **Suspension** [1625]. **SVR4** [2394]. **SW2000** [2577]. **Sweep** [3420, 2289]. **SWitch** [836, 2650]. **Switched** [835]. **Switching** [2582]. **SWNs** [1496]. **Symbol** [544]. **Symbolic** [2997, 1621, 2872, 1723, 3069, 706, 2380, 2358, 173, 1639, 2674, 1632, 665, 503, 999, 1515, 2155, 697, 2136, 1470]. **Symbolic-Model** [1632]. **Symlog** [1479]. **Symmetric** [753, 1284, 1496]. **Symmetry** [1150, 2705, 1515, 1118]. **Symmetry-Breaking** [2705]. **Synchronisation** [3577, 3191, 3190, 3589]. **Synchronization** [106, 1857, 145, 2830, 2649, 3578, 2329]. **Synchronized** [2899, 3015, 1923]. **Synchronous** [1180, 1583, 105, 3053, 1541, 3574, 2432, 3203, 532, 2567, 2589, 542, 1083, 1497, 2127, 2817]. **Synchrony** [3035]. **Syndrome** [215]. **synergistic** [718]. **Syntactic** [2198, 755, 2374, 1772, 747, 2994, 660, 1378]. **Syntactical** [2501]. **Syntax** [381, 1780, 497, 1172, 700, 638]. **Synthesis** [1629, 3292, 2624, 270, 3286, 2899, 2431, 2360, 3106, 3288, 2437, 1418, 3314, 3317, 2484, 2185, 1003, 2426]. **Synthesized** [2914]. **Synthetic** [248]. **System** [2574, 3355, 559, 1913, 1669, 1631, 1521, 563, 2791, 543, 2899, 51, 3170, 1766, 2656, 132, 3416, 3411, 828, 3121, 3087, 3092, 2843, 3335, 912, 3349, 763, 2859, 2285, 562, 989, 3207, 1597, 424, 2803, 3497, 2686, 2840, 3084, 3332, 2904, 925, 1656, 1618, 1307, 338, 1757, 914, 479, 2786, 3381, 584, 219, 3128, 2946, 965, 480, 2582, 2804, 2781, 1957, 2485, 2735, 2777, 3511, 2896, 3027, 89, 2927, 2855, 1668, 866,

744, 525, 2884, 2789, 2356, 3278, 2913, 1612, 405, 883, 2408, 481, 2172, 2751, 782, 974, 2887, 2364, 1885, 2812, 2391, 1938, 3429]. **System** [2864, 3516, 3032, 1795, 1593, 2583, 2097, 1765, 2541, 2444, 2783, 3441, 2453, 2326, 2489, 2858, 1229, 63, 540, 977, 3152, 1996, 2409, 2934, 3590, 3175, 3427, 2361, 67, 928, 2890, 3434, 1613, 761, 1335, 3365, 402, 58, 1816, 3183, 518, 403, 1566, 1324, 474, 70, 795, 2903, 2787, 3201, 2617, 3356, 3280, 2420, 1665, 787, 1640, 362, 3245, 1486, 1495, 705, 1112, 634, 2800, 3250, 1144, 3253, 1905, 3234, 1512, 1485, 3235, 2951]. **Systematic** [3046, 300, 2570, 2628, 1506]. **Systems** [742, 1346, 65, 908, 358, 1382, 2867, 2559, 342, 1941, 2030, 1693, 746, 1519, 222, 1784, 2814, 3330, 1205, 384, 829, 3012, 597, 199, 2573, 282, 1675, 2471, 3412, 1336, 2796, 1626, 3014, 3015, 3016, 538, 2862, 151, 456, 2842, 3420, 533, 1183, 211, 1700, 921, 60, 955, 1354, 3367, 869, 959, 1725, 2635, 971, 389, 3352, 2352, 3086, 2877, 2614, 772, 946, 3018, 315, 2784, 1701, 896, 2107, 345, 3122, 31, 2500, 156, 2358, 3056, 2434, 3123, 2741, 3019, 1168, 3284, 3021, 434, 854, 2841, 2554, 1327, 2734, 3006, 2853, 3509, 1824, 3439, 68, 516]. **Systems** [299, 392, 654, 414, 1333, 1661, 1570, 1527, 2179, 3025, 2304, 2422, 558, 2404, 2485, 9, 3569, 1400, 329, 2627, 86, 300, 394, 2423, 1004, 302, 3007, 2782, 1265, 952, 2660, 3029, 2685, 287, 2798, 3444, 2848, 2640, 1600, 3030, 2834, 265, 2652, 1188, 3514, 2502, 88, 3199, 528, 2864, 441, 446, 59, 2851, 82, 2767, 3033, 1331, 2540, 450, 1822, 689, 1623, 57, 66, 81, 2801, 3520, 63, 1373, 2004, 1598, 448, 56, 987, 3008, 29, 1624, 1682, 945, 738, 61, 1271, 827, 969, 732, 3419, 2478, 1347, 3275, 412, 93, 1341, 560, 980, 3034, 1611]. **Systems** [443, 400, 2951, 1532, 1159, 1638, 401, 1410, 295, 1033, 3036, 309, 973, 2545, 549, 2552, 776, 2750, 2561, 2794, 947, 1520, 1219, 1718, 1523, 2802, 1530, 1531, 565, 2589, 2766, 3528, 1712, 898, 992, 916, 1558, 404, 1318, 933, 792, 3074, 62, 3040, 3041, 87, 85, 774, 3390, 458, 3531, 3400, 1194, 695, 2145, 699, 2140, 1892, 704, 1488, 2143, 1501, 2119, 3594, 1906, 1365, 636, 3219, 2393, 1481, 822, 641, 3271, 1514, 2114, 811, 871, 853, 87, 2116]. **Systolic** [1574, 2661, 1215, 2441, 2634, 1006, 2628].

**T** [3587, 918]. **T-node** [918]. **T.120** [3587]. **T3D** [3508, 949, 2610]. **Table** [2945, 2458, 350]. **Table-Lookup** [2458]. **tableau** [1477]. **tableau-based** [1477]. **Tableaux** [1937, 2962, 1466, 1467]. **Tables** [1952, 375, 3246]. **Tabu** [459]. **Tabulated** [375]. **Tabulation** [2363]. **TabVer** [2945]. **Tactic** [496, 1770, 1459, 1229]. **Tactics** [1771]. **Tailoring** [1697]. **Talking** [2935]. **Tally** [2300]. **Tamarack** [485]. **Tamarack-3** [485]. **Taming** [1764]. **Tape** [3535]. **Tapes** [3535]. **TAS** [2198, 2240]. **TAS-DO** [2198]. **Task** [2669, 986, 2618, 1581, 2184, 1859, 909]. **Tasks** [2163, 2177, 2988, 917, 2969, 2659, 2084, 3248]. **TAU** [2616]. **Tautologies** [1981]. **Taxonomy** [1804]. **TCM** [537]. **TDGs** [3065]. **TDMA** [559, 564, 528, 811]. **Teach** [10]. **Teaching** [37, 46, 19, 54, 36, 2299, 9, 29]. **Team** [2966, 3305]. **Teams** [283]. **Technical** [2179, 86, 2172]. **Technique** [1542, 3577, 2306, 1580, 541, 2348, 2432, 2851, 2433, 1537, 186, 2335, 1066]. **Techniques** [419, 880, 568, 2557, 2653, 2537, 3367, 2948, 486, 160, 862, 28, 1596, 285, 2442, 2472, 2769, 2738, 3343, 610, 2570, 2994, 2956, 1188, 833, 3336, 1808, 612, 1760, 3521, 827, 1907, 1816, 826, 992, 702, 1434, 623]. **Technological** [521]. **Technologies** [2576, 2913, 553]. **Technology** [1680, 2920, 2268, 1673, 2811, 213, 2430, 2896, 208, 1334, 506, 2923, 2895, 2779, 2767, 57, 66, 2746, 204, 1660, 433, 2794, 2921]. **Tele** [3203]. **Tele-Cooperation** [3203]. **Telecommunication** [3211, 2520]. **Telecommunications** [297, 2540]. **Teleconferencing** [3573]. **Telecooperation**

[3588]. **Teleservice** [3571, 3209, 1676, 3570]. **Teleservices** [3197, 3196, 3212]. **Teletutoring** [3202]. **Television** [3181, 803]. **Telework** [2932]. **tell** [1136]. **Telling** [465]. **Telmat** [918]. **Temporal** [1913, 1302, 1924, 3015, 1936, 489, 452, 1637, 1932, 1792, 2754, 2204, 1929, 1910, 2340, 1802, 1915, 1937, 1186, 1829, 2755, 1931, 2886, 3028, 320, 2756, 764, 1933, 1930, 3032, 2096, 1269, 409, 1406, 1934, 1928, 1030, 1803, 1907, 1895, 2757, 1660, 2758, 1925, 1916, 1801, 1926, 2120, 3237, 1894, 3239]. **Ten** [3554, 1139]. **Tense** [1922, 2096, 795]. **Tensor** [161]. **Term** [1521, 749, 242, 121, 2352, 329, 2965, 587, 2502, 689, 2315, 2383, 738, 2330, 1523, 1423, 704, 1501]. **Termination** [1449, 2505, 2501, 2297, 2500, 1446, 738, 1531, 1448, 3271]. **Terminological** [1301, 2949]. **Terminologies** [406]. **Terminology** [2799]. **Terms** [307]. **Ternary** [2495]. **Terrain** [415]. **Test** [514, 2425, 2424, 2485, 866, 867, 2568, 531, 2561, 1071, 1066]. **Testability** [2476, 75, 1540]. **Testable** [2437, 3319]. **Testbed** [930]. **Testbench** [2434]. **Testing** [2143, 2630, 1973, 2853, 3024, 663, 429, 1627, 2453, 2728, 2567, 2566, 2148]. **Testing-based** [2143]. **Tests** [3385, 1101]. **Tetrahedralization** [2075]. **Texas** [21]. **Text** [1675, 463, 2106, 2731, 2689, 2301, 923, 1243, 2097, 2901, 464, 2765]. **Text/Relational** [1675]. **Texts** [3318, 2098, 2099]. **Texture** [82, 1110, 1069]. **TFDL** [2757]. **Their** [2284, 993, 2269, 2001, 2772, 1711, 392, 558, 393, 1975, 69, 176, 218, 1378, 403, 620, 1884, 2523, 1694, 2587, 2549, 1532, 752]. **Them** [266, 852]. **Themes** [2025]. **Theorem** [2198, 1350, 2871, 2313, 2966, 1719, 680, 479, 793, 480, 1940, 503, 1152, 1477, 1487, 1429, 1470, 1430, 1459, 1420, 1473, 2144, 1442, 1014]. **Theorem-Prover** [480]. **Theorems** [493, 2492, 3554, 505, 798, 1163, 477, 478, 1443]. **Theoretic** [1628, 2353, 1270, 336, 89, 609, 451, 399, 3479, 3224]. **Theoretical** [2708, 64, 1185, 1369, 2154, 1033, 1773, 2978]. **Theories** [3303, 908, 1301, 1167, 2387, 2203, 1388, 2212, 2960, 2204, 1191, 1408, 2194, 1927, 3247, 1434, 3269]. **Theory** [742, 488, 493, 2003, 1472, 3426, 3101, 2868, 765, 1715, 2874, 422, 1984, 3538, 1220, 60, 1772, 1273, 2418, 3347, 1524, 2877, 411, 756, 367, 23, 1224, 730, 794, 1814, 2520, 1311, 373, 1960, 1227, 441, 2103, 264, 1462, 324, 63, 56, 2952, 1232, 2977, 1965, 70, 316, 1726, 757, 2102, 792, 2191, 62, 745, 2818, 2959, 85, 695, 3245, 3472, 1458, 640]. **Therapy** [3292]. **Thesauri** [2764]. **Thinned** [168]. **Thinning** [1208]. **third** [1136]. **Thirty** [799]. **Thomason** [1923]. **Threaded** [462]. **Threads** [2396, 2400]. **Three** [1868, 232, 3334, 2582, 1244, 1829, 865, 3517, 2597, 3305, 2498, 1153, 877, 3453, 1038, 1118]. **Three-Dimensional** [1868, 865, 2597, 877, 1118]. **Three-Valued** [2498]. **Threshold** [101, 2081, 226, 252, 301, 227]. **Thresholds** [2562]. **Throughput** [2273, 822]. **Throw** [788]. **Thue** [309]. **Thunkification** [3052]. **Tickets** [3407]. **Tidal** [904]. **Tight** [1692, 1733, 1844, 2722, 2715]. **Tightly** [2605]. **Tightly-Coupled** [2605]. **Tile** [2672]. **Tiling** [345]. **Tilings** [1953]. **Time** [1762, 2282, 2559, 3104, 1913, 1909, 3402, 2838, 1386, 1628, 1921, 1210, 3015, 831, 3016, 2695, 1658, 2166, 1158, 2703, 3547, 869, 1843, 1923, 1500, 1197, 2270, 14, 3366, 662, 3018, 856, 2729, 31, 1618, 156, 2670, 1918, 2031, 178, 1732, 3006, 2357, 1922, 2704, 428, 1257, 299, 1214, 3023, 2392, 2305, 3026, 1829, 3027, 2016, 300, 302, 1156, 3029, 1311, 1188, 669, 324, 2050, 2154, 165, 2453, 2901, 2396, 1544, 2793, 1914, 3034, 1611, 1159, 548, 3544, 3526, 2400, 2794, 2700, 2671, 3038, 3553, 1559, 3257, 3092, 1081, 3467, 713, 2823, 3477, 3057]. **Time-Critical** [2166]. **Time-Dependent** [869]. **Time-Message** [428]. **Time-Optimal** [1544]. **Time/Run** [165].

**Timed** [1617, 1626, 3014, 1929, 1701, 2661, 1619, 767, 1654, 849, 3039, 3553, 1493, 2126, 1500, 2129, 2130]. **Times** [2560, 3185]. **Timetable** [3091]. **Timetables** [3149]. **Timetabling** [3090, 3148]. **Timewise** [1157]. **Timing** [2436, 3049]. **TINA** [2536, 2529]. **TINA-C** [2536, 2529]. **tiny** [723]. **TIP** [3189]. **TMN** [2530, 2523, 2525, 2522, 2531, 2524, 2542]. **Toeplitz** [3483]. **Toeplitz-plus-Hankel** [3483]. **Tolerance** [3307, 2558, 261, 284, 271, 299, 302, 2587, 263, 289, 293, 992, 2572, 2586]. **Tolerant** [2559, 3010, 297, 2557, 2606, 305, 2579, 1213, 2605, 2588, 2053, 2554, 3022, 273, 3027, 3007, 287, 3030, 265, 2584, 295, 2556, 278, 1962]. **Tomorrow** [1910]. **Tool** [2866, 493, 979, 2872, 1873, 2630, 1956, 1339, 836, 845, 54, 842, 835, 2469, 984, 584, 1596, 414, 2468, 2956, 2540, 1547, 2628, 3171, 1651, 3246, 843, 67, 3185]. **Tool-Set** [2468]. **Toolkit** [1767, 1480]. **Tools** [1683, 7, 2378, 829, 978, 3592, 938, 655, 1183, 2457, 2882, 71, 826, 8, 1659, 2118]. **Toolset** [841]. **TOOPLE** [1178]. **TOOSQL** [1803]. **Top** [2737, 261, 2786, 682, 2852, 1322, 291, 1776, 1482, 1473]. **Top-Context-Free** [682]. **Top-down** [2737, 1473]. **TOP02** [2630]. **Topological** [1154, 1270, 1041]. **Topologies** [2597]. **Topology** [347, 1174, 1722, 2029, 3219, 1034]. **topology-independent** [1034]. **TORI** [2742]. **Toroidal** [1732]. **Torus** [2681]. **Total** [3290, 2501, 3297, 375, 2543, 1447]. **Totality** [3068]. **Totally** [2076]. **Totally-Perfect** [2076]. **Tours** [2710]. **TPS** [493]. **TPTP** [1433]. **Trace** [2140, 850, 175, 1173, 2317]. **Trace-and-Replay** [175]. **Traces** [344, 1666, 718]. **Tracing** [2237, 2774]. **Tracking** [2876, 2773, 2942, 1523, 1074, 1076, 1040]. **Tractable** [2869]. **Trade** [7, 428, 2464, 2133]. **Trade-Off** [2464, 2133]. **Trade-Offs** [428]. **Trademark** [1665]. **Tradeoff** [1551, 2248]. **Trading** [2413]. **Traffic** [568, 529, 3194, 3177, 156, 3585, 1282, 528, 1563, 2598, 1660, 1489, 821, 1138]. **Train** [3365]. **Training** [578, 2920, 3126, 2516, 2921, 2787, 3201, 2898, 3001]. **Traitors** [2237]. **Trajectory** [1639]. **Trans** [3202]. **Trans-European** [3202]. **Transaction** [445, 1911, 2878, 842, 2538, 446, 778, 1341, 1900]. **Transaction-Level** [2878]. **Transactional** [784, 777]. **Transactions** [1319, 1900]. **transceiver** [807]. **Transducers** [673, 365, 1247, 692]. **Transductions** [678, 1359, 684]. **Transfer** [2970, 3168, 2885, 2767, 3582, 3208, 823]. **Transferring** [3343]. **Transfinitely** [787]. **Transform** [3487, 2243, 2697, 1067, 1050, 820]. **Transformation** [1349, 157, 1521, 2990, 1179, 1389, 2626, 1820, 796, 2023, 797, 1809, 2326, 2489, 3417, 3564, 3034, 1335, 1998, 72, 1430, 637, 1069]. **Transformation-Based** [1820]. **Transformational** [1776]. **Transformations** [2198, 2360, 2347, 171, 2357, 3022, 394, 644, 166, 162, 403, 1340, 159, 1457]. **Transformers** [768, 3070]. **Transforming** [319, 3227]. **Transforms** [3075, 3530, 1109, 1065]. **Transient** [2250, 285, 861]. **Transis** [280]. **Transition** [1693, 2560, 1641, 1718, 362, 2114]. **Transitions** [2972, 767]. **Transitive** [1971]. **Translates** [1842]. **Translating** [631, 1306, 1881]. **Translation** [2988, 677]. **translations** [724]. **Transmission** [3586, 948, 533, 550, 820]. **Transmitter** [570]. **Transparent** [3184]. **Transport** [3189, 1351, 2401, 3194, 671, 905]. **Transport-Triggering** [671]. **Transports** [904]. **Transputer** [1016, 978, 914]. **Transputer-Based** [978, 914]. **Transversal** [2086]. **Trapezoid** [1845]. **TRAPPER** [980]. **Trapping** [653]. **Traps** [3249]. **Traveling** [3102, 3501, 2018, 2267].

**Travelling** [3113]. **Treatment** [3488, 302].  
**Tree** [3482, 1542, 2017, 388, 2380, 678, 673, 1846, 750, 1358, 682, 3313, 604, 2061, 1240, 3555, 1252, 355, 687, 2748, 1708, 692, 1459, 1139].  
**Tree-Structured** [1252]. **Tree-Walking** [692]. **Tree-Width** [388, 1846]. **Trees** [2198, 3010, 1251, 1543, 1837, 2694, 2724, 2286, 672, 2063, 1197, 2205, 476, 1848, 427, 1706, 1240, 2305, 2054, 608, 2070, 2413, 1702, 3549, 142, 2162, 2699, 1865, 709, 2749].  
**Treewidth** [2322]. **Trellis** [1955, 573, 817, 1951, 816, 815].  
**Trellis-based** [817]. **trellis-coded** [816, 815]. **trial** [3447]. **Triangle** [1975].  
**Triangles** [2072]. **Triangular** [1211].  
**Triangulating** [1840]. **Triangulations** [2692, 2034, 2062]. **Tridiagonal** [2633].  
**Tries** [2696]. **Triggering** [671]. **Trigram** [2987]. **Trilinearity** [1135]. **TROLL** [630, 631]. **True** [748]. **True-concurrency** [748]. **Truly** [770]. **Trust** [3399, 1961, 135].  
**Trustworthy** [2882]. **Truth** [2002, 350].  
**Truth-Table** [350]. **TSP** [2263, 2267].  
**TSPLIB** [2264]. **TSPs** [2262]. **TTI** [2995].  
**Tuned** [1811]. **Tuning** [1596, 2173, 3327].  
**Tuplespace** [2662]. **Turbulence** [2225].  
**Turing** [1392, 2323]. **Turning** [3242].  
**Tutorial** [2126, 2118, 54, 55]. **Tutoring** [2781]. **Twisted** [1217]. **Two** [1705, 2512, 322, 199, 4, 2569, 99, 1280, 370, 2292, 3158, 1591, 1946, 1871, 3507, 2302, 285, 33, 2033, 588, 2850, 13, 133, 2200, 3089, 351, 1616, 1916, 91, 2644, 1136, 134].  
**Two-Dimensional** [1705, 1946, 1916].  
**Two-Semester** [4]. **Tyft** [750]. **Tyft/Tyxt** [750]. **Type** [3047, 435, 3045, 674, 493, 2910, 3060, 3538, 1220, 514, 763, 2111, 1524, 986, 756, 476, 710, 3066, 3067, 1224, 336, 1695, 744, 1227, 790, 3403, 523, 1232, 732, 761, 1410, 402, 518, 1219, 697, 711, 1458, 288].  
**Type-Based** [3067, 3066]. **Type-labeled** [2111]. **Type-Theoretic** [336]. **Typeable** [1520]. **Typed** [3050, 1178, 3418, 1395, 769, 1221, 1393, 272, 1526, 1724, 1397, 3312, 1997, 3541, 1746, 1764, 1897]. **Typeflow** [514].  
**Types** [127, 1171, 3162, 762, 2105, 1222, 2381, 360, 731, 3316, 2581, 1403, 2925, 1996, 503, 3564, 761, 1337, 787, 714, 717, 624].  
**Typical** [546]. **Typing** [731, 1566].  
**U** [1914]. **UCD** [484]. **UIS** [928].  
**Ultimately** [1175]. **Ultrasonic** [2912].  
**UMTS** [563, 564]. **Unacceptable** [2394].  
**Unambiguity** [1689]. **Unary** [3417].  
**Unbounded** [1250]. **Uncalibrated** [1878, 1146, 1132, 1131]. **Uncaught** [3057].  
**Uncertain** [3038]. **Uncertainties** [1264].  
**Uncertainty** [2763, 2803, 2005, 178, 3540, 2805, 3152].  
**Unconstrained** [177]. **uncountable** [2124].  
**Undecidable** [1713, 751, 1993]. **Undefined** [755]. **Underdetermined** [3345].  
**Undergraduate** [3, 4, 52, 33, 5].  
**Underlying** [2159]. **Understand** [2734].  
**Understanding** [3238, 2150, 3214].  
**Undirected** [2874, 2036, 2700]. **Unequal** [1737]. **Unexpected** [2910, 1688]. **Unfold** [2505, 2360, 2347]. **Unfold/Fold** [2505, 2360, 2347]. **Unfolding** [2346].  
**Unforgeable** [2235]. **Unification** [2964, 2199, 1778, 1460, 3555, 2965, 3002, 2195, 3556, 499, 262, 1464, 712, 1462, 1461, 1435, 1463, 2374, 2372]. **Unification-Based** [3002]. **Unified** [445, 2707, 425, 2725, 1922, 3082, 638, 177, 3190, 3304, 517, 2750, 2011, 2412, 808].  
**unifiers** [1455]. **Uniform** [1250, 2902, 1802, 2833, 1721, 292, 398, 97, 1796, 2497].  
**Uniform-Length** [1250].  
**Uniform-Modelling** [398]. **Unifying** [2163, 1830, 336, 2025, 311, 726, 2134].  
**Unimonotone** [1165]. **Union** [1976, 762].  
**Unions** [368]. **Uniprocessor** [2328].  
**Uniquely** [2021]. **Uniqueness** [3054, 402, 1093]. **Unison** [428]. **Unit** [2665, 1245, 1949, 1948, 804]. **units** [3466].  
**UNITY** [2866, 466, 3563]. **Universal**



[1942, 2505, 3211, 2108, 1170, 1464].  
**Universes** [1149]. **University** [42, 2927].  
**UNIX** [305, 2394, 989]. **Unix-Based** [989].  
**Unknown** [1739, 76]. **Unpredictable** [129].  
**Unrecognizable** [601]. **Unreliable** [1713].  
**Unstructured** [871]. **Unsupervised**  
[1081, 611]. **Untimed** [1701]. **Untraceable**  
[243]. **Untransferable** [114]. **Untyped**  
[742, 1393]. **Update**  
[2280, 1610, 1313, 1563]. **Update-Based**  
[1610, 1563]. **Updates** [1939, 2972, 402].  
**Updating** [2419, 2717, 2957, 2704, 3222].  
**upkeep** [1081]. **Upper**  
[370, 3535, 1245, 547, 1688, 2028]. **Upset**  
[2565]. **UPT** [2546, 2549]. **Upward** [1970].  
**urban** [1489]. **Usability** [3433]. **USD**  
[2108]. **Use** [3440, 288, 2531, 38, 2904, 851,  
1871, 2897, 3569, 2459, 2210, 2547, 3114, 945,  
3427, 2578, 403, 2898, 1884, 8, 1064, 815].  
**Used** [2233, 3341, 2950]. **User** [1346, 2514,  
3282, 51, 3170, 2526, 2513, 3435, 2608, 1767,  
3284, 2674, 2897, 2916, 3437, 3429, 2396,  
3434, 3430, 3425, 3279, 3276, 2898, 1659].  
**User-Adapted** [3429]. **User-Level**  
[2608, 2396]. **User-Oriented** [1346]. **Users**  
[2914, 2897]. **Using** [1572, 435, 780, 2970,  
157, 2828, 2924, 1981, 1251, 950, 3094, 860,  
1522, 127, 667, 2471, 1608, 1626, 3015, 2353,  
51, 581, 3491, 3106, 2463, 2112, 3121, 3087,  
2990, 1670, 3309, 2645, 3150, 514, 2914, 1653,  
3207, 2966, 2106, 94, 2911, 3362, 3352, 3369,  
838, 2626, 1097, 856, 756, 3311, 2483, 2435,  
1618, 2646, 1633, 1937, 914, 2437, 1648, 10,  
3560, 2178, 2823, 3313, 875, 557, 1814, 1661,  
3555, 2216, 505, 3568, 3285, 2468, 313, 3191,  
1334, 260, 3135, 405, 1600, 610, 2666, 2834,  
2885, 2549, 2575, 2100, 3146, 1610, 553, 2778,  
3088, 2346, 2864, 2239, 2325, 2488]. **Using**  
[612, 1632, 2312, 2540, 2643, 571, 450, 1758,  
1623, 3002, 3091, 2749, 3076, 2174, 778, 3209,  
2977, 936, 3337, 2478, 1347, 1886, 478, 186,  
2416, 1258, 2249, 2443, 985, 592, 1337, 2354,  
295, 110, 1965, 3351, 3183, 870, 70, 2903,  
2246, 2802, 849, 567, 2671, 2162, 3118, 2999,  
2753, 926, 2012, 1882, 466, 1049, 2362, 1423,  
1429, 3060, 1143, 2555, 1117, 1071, 1443,  
1075, 3061, 823, 824, 3063, 1127, 818, 1102,  
1059, 1067, 3065, 1056, 163, 1510, 1099, 503,  
1511, 1047, 1054, 2114, 1037, 1091, 1108].  
**Utility** [593, 1965]. **Utilization** [3185].  
**Utilizing** [1342, 932, 2940, 1118].  
**V3.2** [1474]. **Vague** [2005]. **Validating**  
[2485, 3171]. **Validation**  
[1542, 3364, 1808, 1800, 1492, 3213]. **validity**  
[1427]. **Valuation** [3399]. **Valuations**  
[1689]. **Value**  
[1683, 3484, 960, 2531, 2189, 1775, 2689, 997,  
307, 492, 688, 172, 217, 3050, 2143].  
**Value-Based** [997, 172]. **Value-Passing**  
[492, 2143]. **Valued** [365, 2498, 301]. **Values**  
[2419, 2233, 2351, 2002, 1412]. **Vapnik** [304].  
**Variable** [364, 816, 452, 1298, 1356, 2293,  
2822, 2506, 3134, 2562, 1297].  
**Variable-Length** [1297]. **Variable-rate**  
[816]. **Variables**  
[1784, 3014, 338, 2806, 1598, 490, 404, 76].  
**Variance** [3105]. **variant** [3462]. **Variants**  
[2944, 3011]. **Variation** [3127]. **variations**  
[1139]. **Varied** [1667]. **Varieties**  
[1167, 3449]. **Various**  
[2902, 3316, 292, 2049, 2037]. **Varying**  
[1537, 560, 1087]. **Vault** [1606]. **VBR** [3585].  
**VC** [2399, 310, 1090, 301, 616].  
**VC-Dimension** [301, 1090].  
**VC-Dimensions** [310, 616]. **VDM**  
[3342, 3343, 3358]. **VDM-SL** [3358]. **ve**  
[1444]. **Vector** [1967, 760, 1004, 920, 511,  
339, 2649, 1559, 825]. **Vectorization** [2631].  
**Vectors** [494]. **Vegas** [353]. **vehicle** [1107].  
**Vehicles** [2937, 1068, 1138]. **Verb** [2096].  
**Verbalization** [2945]. **verbs** [1107].  
**Verifiable** [3351]. **Verification** [1713, 466,  
484, 2436, 1631, 2455, 1621, 3013, 1626, 2120,  
3539, 1622, 504, 2875, 1183, 3367, 2876, 1637,  
1652, 1197, 3005, 2878, 3167, 1503, 471, 1618,  
1633, 3056, 3021, 2882, 1186, 736, 1187, 3343,  
2956, 764, 3336, 1528, 1632, 1623, 503, 1654,

2890, 495, 1642, 3036, 3390, 485, 1488, 2118]. **Verified** [2882, 3593]. **Verifiers** [222]. **Verifying** [3014, 3352, 3007, 2022, 2892, 487, 3470]. **Versatile** [2345]. **Version** [899, 3538, 2364, 592, 1463]. **Versioning** [1794, 1804]. **Versions** [2772, 2778, 668]. **Versus** [364, 1960, 349, 1962, 3400, 3318, 2510]. **Vertex** [1972, 2703, 377, 2307, 1729]. **Vertex-Disjoint** [2307]. **Vertices** [2039]. **Very** [951, 464, 627]. **VHDL** [2468, 2361]. **Via** [3069, 245, 1987, 3407, 1308, 158, 3219, 797, 1795, 1151]. **Viable** [1578]. **Vibration** [1088]. **Video** [3207, 1767, 455, 2410, 3192, 2408, 2409, 2405, 3583]. **Video-on-Demand** [2408, 2409]. **Videocommunications** [2515]. **View** [1684, 982, 393, 1808, 1343, 196, 808, 2139]. **Viewing** [2203, 2326, 2489]. **viewpoint** [1035]. **Views** [1667, 1888, 1684, 2849, 1878, 2093, 1338, 1885, 2103, 437, 1872, 1874, 1133, 1148, 1056, 1119, 1038]. **VINO** [1298]. **Viper** [484]. **Virtual** [2653, 2451, 2524, 442, 156, 976, 1605, 977, 2659]. **Virtually** [1612, 2817]. **Virtually-Shared** [1612]. **Virtually-synchronous** [2817]. **vis** [2057, 3273]. **vis-a-vis** [2057]. **VIS-AD** [3273]. **Visibility** [3548, 2648]. **Visible** [1843]. **Vision** [2550, 1873, 2444, 913, 62, 1112, 1144, 1111]. **Vision-Based** [62]. **VISTA** [166]. **Visual** [2899, 3431, 82, 166, 1040, 1347, 1324, 1042, 1135, 1065]. **Visualisation** [2629]. **Visualization** [3442, 938, 439, 2110, 1549, 3285, 3277, 937, 988, 1548, 3275, 179, 3280]. **Visualizations** [1550, 3279]. **Visualize** [2356]. **Visualizing** [3489, 1666, 3283]. **Visually** [914, 2897, 2927, 2928, 312, 2929]. **Visually-Guided** [914]. **Viterbi** [573]. **Vivid** [91]. **VLIW** [2666, 2655]. **VLIWs** [652]. **VLSI** [2378, 2579, 804, 3147, 2054, 481, 2568]. **VLSI/WSI** [2579]. **VN** [2399]. **Voice** [2910, 2479, 2901]. **Voltan** [295]. **Volume** [2647]. **Voronoi** [1839, 2708, 2289, 2016, 374]. **Voss** [480]. **Voting** [1541, 1371, 2249]. **VP** [2399]. **VPN** [2547]. **Vs** [3035, 3386, 202, 1790, 3424, 671, 2133, 1404, 409, 175, 3415]. **W** [1491]. **Wait** [2024, 2314, 1857, 2825]. **Wait-Free** [2024, 2314, 1857, 2825]. **Waiting** [831]. **Walk** [1627]. **Walking** [692]. **Walks** [686]. **WALKY** [2912]. **Wallets** [243, 122]. **Wanna** [2689]. **Ward** [3369]. **Ward/Mellor** [3369]. **WASMII** [2451]. **waste** [1508]. **Watchdog** [2575]. **Water** [2777]. **Wave** [3502]. **Wavefront** [2289]. **Wavelet** [940, 3530, 820]. **Way** [116, 2221, 2702, 1355, 1005, 1578, 2059, 1345, 1284, 3376, 2246]. **Way-of-Working** [1345]. **WDM** [1553]. **Weak** [236, 2877, 428, 1309, 2132, 1415, 1898]. **weakening** [3226]. **Weakest** [2622]. **Weakly** [2056, 2569, 1843]. **Weakly-Visible** [1843]. **Weaknesses** [96, 105]. **Weather** [899, 900, 927]. **Week** [21]. **Weight** [2693, 2062]. **Weighted** [1727, 1851, 3154, 2952, 2079, 1494]. **Well** [793, 1309, 1402, 1785, 1514, 1898]. **Well-formedness** [1514]. **Well-Founded** [1309, 1402, 1785, 1898]. **Well-Ordering** [793]. **Western** [904]. **Where** [515, 2317, 1379]. **Which** [2689, 718, 1507]. **While** [2670]. **Whose** [1635]. **Width** [388, 1846, 2307]. **Wildcard** [2504]. **Wilf** [680]. **Win** [2388]. **Windows** [2907]. **Wireless** [575, 568, 570, 550, 551, 553, 2908, 807]. **Wisdom** [3372]. **Within** [2924, 2089, 1428, 2914, 2524, 2772, 3206, 2753]. **Without** [569, 617, 3104, 1422, 129, 224, 223, 1063, 257, 1140]. **Witness** [2231]. **witnesses** [3445]. **Women** [2802]. **WooRKS** [1322]. **Word** [2293, 2445, 1367, 2977, 494]. **Word-Oriented** [2445]. **Words** [1350, 1175, 1737, 1362, 371]. **Work**

[2717, 3205, 2966, 2729, 1323, 212, 2326, 2489, 2845, 1752, 1208, 1508].  
**Work-Optimal** [1208]. **Work-Time** [2729].  
**Workbench** [845, 1651, 3281]. **Workflow**  
 [1323, 1322]. **Working** [1345, 936].  
**Workplaces** [3172]. **Workshop** [2577].  
**Workstation** [3480, 934, 2917, 1673, 2911,  
 861, 969, 973, 1595]. **Workstations**  
 [3493, 3492, 995, 284, 3501, 875, 897, 877].  
**World** [486, 12, 2535, 1347, 1786, 617, 3214].  
**Worlds** [2773]. **Wormhole** [2599]. **Worst**  
 [2594]. **Worth** [1962]. **Write** [2316, 3422].  
**Write-up** [3422]. **writer** [2823, 2822]. **Wu**  
 [132, 1443]. **Wurttemberg** [928].

**x** [3474, 2524, 1379]. **X-Interface** [2524].  
**X0T** [1379]. **XBLOX** [2463]. **XILINX**  
 [2471, 2439, 2462, 2443]. **XP** [1009]. **XP/S**  
 [1009]. **XP/S-15** [1009]. **Xpress** [3208].  
**XTP** [3207]. **Xunet** [2398].

**Y-MP** [3520]. **Year** [42, 33]. **Year-Long**  
 [33]. **Years** [15].

**Z** [3460, 3352, 3343, 3359]. **ZAREPTA**  
 [2453]. **Zero** [2569, 224, 2453, 115, 221, 223,  
 220]. **Zero-Knowledge** [224, 115, 221, 223,  
 220]. **Zoomable** [1677]. **ZPL** [146].

## References

**Anonymous:1994:KA**

- [1] Anonymous. Keynote address. *Lecture Notes in Computer Science*, 750:1-??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Denning:1994:DDS**

- [2] Peter J. Denning. Designing a discipline of software design. *Lecture Notes in Computer Science*, 750:1-??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SUS**

- [3] Anonymous. Session 1: Undergraduate software engineering education. *Lecture Notes in Computer Science*, 750:3-??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boardman:1994:TSU**

- [4] David B. Boardman and Aditya P. Mathur. A two-semester undergraduate sequence in software engineering: Architecture and experience. *Lecture Notes in Computer Science*, 750:5-??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shepard:1994:SEU**

- [5] Terry Shepard. Software engineering in an undergraduate computer engineering program. *Lecture Notes in Computer Science*, 750:23-??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Modesitt:1994:WGA**

- [6] Kenneth L. Modesitt. When the golden arches gang aft agley: Incorporating software engineering into computer science. *Lecture Notes in Computer Science*, 750:35-??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:STT**

- [7] Anonymous. Session 2: Tools of the trade. *Lecture Notes in Computer Science*, 750:63-??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zalewski:1994:CUC**

- [8] Janusz Zalewski. Cohesive use of commercial tools in a classroom. *Lecture Notes in Computer Science*, 750:65–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kermarrec:1994:ARS**

- [9] Yvon Kermarrec. Ada reusable software components for teaching distributed systems. *Lecture Notes in Computer Science*, 750:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Horton:1994:UCC**

- [10] Thomas B. Horton. Using commercial CASE environments to teach software design. *Lecture Notes in Computer Science*, 750:97–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SPO**

- [11] Anonymous. Session 3: Project-oriented courses. *Lecture Notes in Computer Science*, 750:117–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gotterbarn:1994:RWS**

- [12] Donald Gotterbarn and Robert Riser. Real-world software engineering: A spiral approach to a project-oriented course. *Lecture Notes in Computer Science*, 750:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moore:1994:LDG**

- [13] Melody Moore and Colin Potts. Learning by doing: Goals and experience

of two software engineering project courses. *Lecture Notes in Computer Science*, 750:151–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Epp:1994:JTC**

- [14] Edward C. Epp. A “just in time” course framework: Project-oriented courses. *Lecture Notes in Computer Science*, 750:165–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andersen:1994:PCN**

- [15] Rudolf Andersen, Reidar Conradi, John Krogstie, Guttorm Sindre, and Arne Solvberg. Project courses at the NTH: 20 years of experience. *Lecture Notes in Computer Science*, 750:177–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SPI**

- [16] Anonymous. Session 4: Process issues. *Lecture Notes in Computer Science*, 750:189–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Werth:1994:ASP**

- [17] Laurie Honour Werth. An adventure in software process improvement. *Lecture Notes in Computer Science*, 750:191–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Robillard:1994:PSA**

- [18] Pierre N. Robillard, Jean Mayrand, and Jean-Normand Drouin. Process

self-assessment in an educational context. *Lecture Notes in Computer Science*, 750:211–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Deininger:1994:TSP**

- [19] Marcus Deininger and Kurt Schneider. Teaching software project management by simulation—experiences with a comprehensive model. *Lecture Notes in Computer Science*, 750:227–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SIP**

- [20] Anonymous. Session 5: Implications of practitioners. *Lecture Notes in Computer Science*, 750:243–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weinberger:1994:AWT**

- [21] Barbara J. Weinberger. Awareness week at Texas Instruments: An alternative approach to instructor-led delivery. *Lecture Notes in Computer Science*, 750:245–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Guyard:1994:IPP**

- [22] Jacques Guyard, Jean-Pierre Jacquot, Bernard Amar, and Yves Benoit. Implication of practitioners in a post-graduate curriculum, a successful collaboration. *Lecture Notes in Computer Science*, 750:251–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hartvigsen:1994:RGB**

- [23] Gunnar Hartvigsen. Reducing the gap between academic theory and professional practice in software engineering education. *Lecture Notes in Computer Science*, 750:263–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SPD**

- [24] Anonymous. Session 6: Panel discussion. *Lecture Notes in Computer Science*, 750:275–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Naveda:1994:BG**

- [25] J. Fernando Naveda, John Beidler, James E. Cardow, Everaldo Mills, and Frances Van Scoy. Bridging the gaps. *Lecture Notes in Computer Science*, 750:277–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SII**

- [26] Anonymous. Session 7: Industry influence in software engineering education. *Lecture Notes in Computer Science*, 750:283–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Purtilo:1994:ECD**

- [27] James M. Purtilo and Stan Siegel. Experiences with CCB-Directed projects in the classroom. *Lecture Notes in Computer Science*, 750:285–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Habra:1994:PPA**

- [28] Naji Habra and Eric Dubois. Putting into practice advanced software engineering techniques through students project. *Lecture Notes in Computer Science*, 750:303–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prete:1994:CGS**

- [29] Cosimo Antonio Prete. Cachesim: A graphical software environment to support the teaching of computer systems with cache memories. *Lecture Notes in Computer Science*, 750:317–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Calliss:1994:SSS**

- [30] Frank W. Calliss and Debra Trantina Calliss. Suggested scenarios of software maintenance education. *Lecture Notes in Computer Science*, 750:329–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gomaa:1994:SDM**

- [31] Hassan Gomaa. Software design methods for concurrent and real-time systems. *Lecture Notes in Computer Science*, 750:341–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SEA**

- [32] Anonymous. Session 9: Experiences in academic education. *Lecture Notes in Computer Science*, 750:343–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johnston:1994:BEU**

- [33] Lorraine Johnston and Philip Dart. Building on experience: An undergraduate course with two year-long projects. *Lecture Notes in Computer Science*, 750:345–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prey:1994:SEB**

- [34] Jane C. Prey, James P. Cohoon, and Greg Fife. Software engineering beginning in the first computer science course. *Lecture Notes in Computer Science*, 750:359–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bertziss:1994:NFR**

- [35] Alfs T. Bertziss. Non-functional requirements in the design of software. *Lecture Notes in Computer Science*, 750:375–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hartrum:1994:TFE**

- [36] Thomas C. Hartrum and Paul D. Bailor. Teaching formal extensions of informal-based object-oriented analysis methodologies. *Lecture Notes in Computer Science*, 750:389–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bruegge:1994:TIC**

- [37] Bernd Bruegge and Robert F. Coyne. Teaching iterative and collaborative design: Lessons and directions. *Lecture Notes in Computer Science*, 750:411–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Epstein:1994:UCE**

- [38] Richard G. Epstein. The use of computer ethics scenarios in software engineering education: The case of the killer robot. *Lecture Notes in Computer Science*, 750:429–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maly:1994:CPI**

- [39] Kurt J. Maly, Dennis E. Ray, J. Christian Wild, Irwin B. Levinstein, Stephan Olariu, C. Michael Overstreet, Tijen Ireland, George Kantsios, and Nageswara S. V. Rao. Computer productivity initiative. *Lecture Notes in Computer Science*, 750:441–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SPS**

- [40] Anonymous. Session 11: Perspective on software engineering education. *Lecture Notes in Computer Science*, 750:461–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paul:1994:AAS**

- [41] Jody Paul. Alternative assessment for software engineering education. *Lecture Notes in Computer Science*, 750:463–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ammann:1994:FYP**

- [42] Paul Ammann, Hassan Gomaa, Jeff Offutt, David Rine, and Bo Sanden. A five year perspective on Software Engineering Graduate Programs at George Mason University. *Lecture Notes in*

*Computer Science*, 750:473–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dalcher:1994:FPG**

- [43] Darren Dalcher. Falling down is part of growing up; the study of failure and the software engineering community. *Lecture Notes in Computer Science*, 750:489–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SSR**

- [44] Anonymous. Session 12: Software reuse education. *Lecture Notes in Computer Science*, 750:497–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pei:1994:GRP**

- [45] Hsia Pei, Richard H. S. Wang, and Dave Chenho Kung. Guided reuse for programmers. *Lecture Notes in Computer Science*, 750:499–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cardow:1994:PAT**

- [46] James E. Cardow and William D. Watson. A practical approach to teaching software reuse. *Lecture Notes in Computer Science*, 750:517–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grechenig:1994:ISR**

- [47] Thomas Grechenig and Stefan Biffel. Introducing a software reuse culture in practice. *Lecture Notes in Computer Science*, 750:527–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1994:SSE**

- [48] Anonymous. Session 13: Software engineering education meeting industry needs. *Lecture Notes in Computer Science*, 750:541–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coyle:1994:MNI**

- [49] Frank P. Coyle, Edward Forest, Murat M. Tanik, and Dennis J. Frailey. Meeting the needs of industry: SMU's Master's Degree Program in Software Engineering. *Lecture Notes in Computer Science*, 750:543–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McCarty:1994:HMY**

- [50] William B. McCarty and G. Thomas Plew. How mature is your software process? *Lecture Notes in Computer Science*, 750:555–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bralick:1994:UMU**

- [51] William A. Bralick and John S. Robinson. Using a multi-user dialogue system to support software engineering distance education. *Lecture Notes in Computer Science*, 750:565–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eward:1994:IMH**

- [52] Mary Eward and Steven Wartik. Introducing megaprogramming at the high school and undergraduate levels. *Lecture Notes in Computer Science*, 750:583–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dodani:1994:FMS**

- [53] Mahesh H. Dodani. Formal methods for software engineering. *Lecture Notes in Computer Science*, 750:597–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gries:1994:STP**

- [54] David Gries and Fred Schneider. Saturday tutorial presentation teaching logic as a tool. *Lecture Notes in Computer Science*, 750:599–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paulk:1994:CMM**

- [55] Mark C. Paulk. The capability maturity model for software: A tutorial. *Lecture Notes in Computer Science*, 750:601–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pichler:1994:STE**

- [56] F. Pichler. Systems theory and engineering. *Lecture Notes in Computer Science*, 763:2–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oren:1994:CASa**

- [57] T. I. Oren. Computer-aided systems technology: Its role in advanced computerization. *Lecture Notes in Computer Science*, 763:11–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sommer:1994:CAN**

- [58] H. J. Sommer and H. Hahn. Computer aided nonlinear system design based



on algebraic system representation and on nonlinear bundle graphs. *Lecture Notes in Computer Science*, 763:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Monjau:1994:NMB**

- [59] D. Monjau, St. Kahlert, K. Buchenrieder, and Ch. Veith. A new model-based approach to the co-design of heterogeneous systems. *Lecture Notes in Computer Science*, 763:42–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Creutzburg:1994:TEP**

- [60] R. Creutzburg, V. G. Labunets, and E. V. Labunets. Towards an “erlangen program” for general linear systems theory. *Lecture Notes in Computer Science*, 763:52–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ratray:1994:SCS**

- [61] Ch Ratray. The shape of complex systems. *Lecture Notes in Computer Science*, 763:72–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ylinen:1994:PST**

- [62] R. Ylinen. Polynomial systems theory for  $n$ -D systems applied to vision-based control. *Lecture Notes in Computer Science*, 763:83–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parets:1994:RSS**

- [63] J. Parets, A. Anaya, M. J. Rodriguez, and P. Paderewski. A representation of software systems evolution based on

the theory of the general system. *Lecture Notes in Computer Science*, 763:96–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fiol:1994:TCA**

- [64] G. Fiol and J. Miro-Nicolau. Theoretical considerations about subset descriptions. *Lecture Notes in Computer Science*, 763:111–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Albertos:1994:SDP**

- [65] P. Albertos. Sampled data passive systems. *Lecture Notes in Computer Science*, 763:118–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oren:1994:CASb**

- [66] T. I. Oren and D. G. King. Computer-aided systems technology for CAD environments: Complexity issues and a repository-based approach. *Lecture Notes in Computer Science*, 763:131–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schaffer:1994:RCT**

- [67] Ch. Schaffer and H. Prahofer. On requirements for a CAST-Tool for complex, reactive system analysis, design and evaluation. *Lecture Notes in Computer Science*, 763:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hyotyniemi:1994:AMD**

- [68] H. Hyotyniemi. Automating the modeling of dynamic systems. *Lecture*

*Notes in Computer Science*, 763:160–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Musgrave:1994:FMT**

- [69] G. Musgrave, S. Finn, M. Francis, R. Harris, and R. B. Hughes. Formal methods and their future. *Lecture Notes in Computer Science*, 763:180–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thurner:1994:FDB**

- [70] E. M. Thurner. Formal description of bus interfaces using methods of system theory. *Lecture Notes in Computer Science*, 763:190–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jacak:1994:CTI**

- [71] W. Jacak and J. Rozenblit. CAST tools for intelligent control in manufacturing automation. *Lecture Notes in Computer Science*, 763:203–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sierocki:1994:ATM**

- [72] I. Sierocki. An algebraic transformation of the minimum automaton identification problem. *Lecture Notes in Computer Science*, 763:220–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Joslyn:1994:PA**

- [73] C. Joslyn. On possibilistic automata. *Lecture Notes in Computer Science*, 763:231–??, 1994. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dormido:1994:AAS**

- [74] S. Dormido, I. Lopez, F. Morilla, and M. A. Canto. On automatic adjustment of the sampling period. *Lecture Notes in Computer Science*, 763:243–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mueller-Wipperfuertth:1994:FSR**

- [75] Th. Mueller-Wipperfuertth, J. Scharinger, and F. Pichler. FSM shift register realization for improved testability. *Lecture Notes in Computer Science*, 763:254–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ylinen:1994:CBM**

- [76] R. Ylinen. Cluster-based modelling of processes with unknown qualitative variables. *Lecture Notes in Computer Science*, 763:268–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Munoz-Blanco:1994:RPF**

- [77] J. A. Munoz-Blanco, J. C. Quevedo-Losada, and O. Bolivar-Toledo. The role of partitions and functionals in descriptor computation for data receptive fields. *Lecture Notes in Computer Science*, 763:282–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giorno:1994:SAC**

- [78] V. Giorno, A. G. Nobile, and L. M. Ricciardi. On some algorithmic and computational problems for neuronal

diffusion models. *Lecture Notes in Computer Science*, 763:293–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kieronska:1994:HRS**

- [79] D. H. Kieronska and S. Venkatesh. Hierarchic representation for spatial knowledge. *Lecture Notes in Computer Science*, 763:314–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grossmann:1994:PMQ**

- [80] W. Grossmann and H. Werthner. Probabilistic models in qualitative simulation. *Lecture Notes in Computer Science*, 763:331–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Otero:1994:SMI**

- [81] R. P. Otero, A. Barreiro, H. Praehofer, F. Pichler, and J. Mira. STIMS-MEDTOOL: Integration of expert systems with systems modelling and simulation. *Lecture Notes in Computer Science*, 763:347–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Munoz-Blanco:1994:SCV**

- [82] J. A. Munoz-Blanco, C. Garcia, F. Alayon, and S. Candela. Systems concepts for visual texture change detection strategy. *Lecture Notes in Computer Science*, 763:357–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Delgado:1994:QCN**

- [83] A. Delgado, R. Moreno-Diaz, and J. Mira. Qualitative computation with

neural nets: Differential equations like examples. *Lecture Notes in Computer Science*, 763:366–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kilger:1994:IDL**

- [84] M. Kilger and T. Dietl. Interpretation-driven low-level parameter adaptation in scene analysis. *Lecture Notes in Computer Science*, 763:380–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zdrahal:1994:GST**

- [85] Z. Zdrahal. General systems theory as a framework for model-based diagnosis. *Lecture Notes in Computer Science*, 763:388–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kopacek:1994:TAK**

- [86] P. Kopacek. Technical applications of knowledge-based systems. *Lecture Notes in Computer Science*, 763:399–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zauner:1994:CCA**

- [87] M. Zauner. CASE — computer-aided systems engineering, a new approach for developing IM-Systems with special consideration of CIM systems. *Lecture Notes in Computer Science*, 763:406–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marshall:1994:MAC**

- [88] G. J. Marshall, A. Behrooz, and F. M. Clayton. Modelling and analysis of

complex stochastic systems: from a specific example to a general environment. *Lecture Notes in Computer Science*, 763:418–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kitzmuller:1994:STA**

- [89] K. Kitzmuller. System theoretic approach to migration of project models. *Lecture Notes in Computer Science*, 763:427–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zenger:1994:CAA**

- [90] K. Zenger. Computer-aided analysis and design of sequential control in industrial processes. *Lecture Notes in Computer Science*, 763:440–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wagner:1994:VLK**

- [91] Gerd Wagner. Vivid logic. knowledge-based reasoning with two kinds of negation. *Lecture Notes in Computer Science*, 764:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johansson:1994:RBC**

- [92] Thomas Johansson, Gregory Kabatianskii, and Bernard Smeets. On the relation between A-codes and codes correcting independent errors. *Lecture Notes in Computer Science*, 765:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650001.htm>; <http://link.springer-ny.com/link/service/>

[series/0558/papers/0765/07650001.pdf](http://link.springer-ny.com/link/service/series/0558/papers/0765/07650001.pdf).

**Safavi-Naini:1994:OAS**

- [93] R. Safavi-Naini and L. Tombak. Optimal authentication systems. *Lecture Notes in Computer Science*, 765:12–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650012.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650012.pdf>.

**Dixon:1994:FIU**

- [94] Brandon Dixon and Arjen K. Lenstra. Factoring integers using SIMD sieves. *Lecture Notes in Computer Science*, 765:28–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650028.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650028.pdf>.

**Demytko:1994:NEC**

- [95] N. Demytko. A new elliptic curve based analogue of RSA. *Lecture Notes in Computer Science*, 765:40–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650040.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650040.pdf>.

**Blackburn:1994:WPK**

- [96] Simon Blackburn, Sean Murphy, and Jacques Stern. Weaknesses of a public-key cryptosystem based on factorizations of finite groups. *Lecture Notes in Computer Science*, 765:50–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650050.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650050.pdf>.

**Nyberg:1994:DUM**

- [97] Kaisa Nyberg. Differentially uniform mappings for cryptography. *Lecture Notes in Computer Science*, 765:55–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650055.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650055.pdf>.

**Beth:1994:APN**

- [98] Thomas Beth and Cunsheng Ding. On almost perfect nonlinear permutations. *Lecture Notes in Computer Science*, 765:65–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650065.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650065.pdf>.

**Carlet:1994:TNC**

- [99] Claude Carlet. Two new classes of bent functions. *Lecture Notes in Computer Science*, 765:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650077.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650077.pdf>.

**Cusick:1994:BFS**

- [100] Thomas W. Cusick. Boolean functions satisfying a higher order strict avalanche criterion. *Lecture Notes in Computer Science*, 765:102–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650102.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650102.pdf>.

**Carpentieri:1994:SSP**

- [101] Marco Carpentieri, Alfredo De Santis, and Ugo Vaccaro. Size of shares and probability of cheating in threshold schemes. *Lecture Notes in Computer Science*, 765:118–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650118.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650118.pdf>.

**Kurosawa:1994:NSS**

- [102] Kaoru Kurosawa, Koji Okada, Kei-ichi Sakano, Wakaha Ogata, and Shigeo Tsujii. Nonperfect secret sharing schemes and matroids. *Lecture Notes in Computer Science*, 765:126–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650126.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650126.pdf>.

**Selmer:1994:MNC**

- [103] Ernst S. Selmer. From the memoirs of a Norwegian cryptologist. *Lecture Notes in Computer Science*, 765:142–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650142.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650142.pdf>.

**Gottfert:1994:LCP**

- [104] Rainer Göttfert and Harald Niederreiter. On the linear complexity of products of shift-register sequences. *Lecture Notes in Computer Science*, 765:151–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650151.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650151.pdf>.

**Daemen:1994:RWS**

- [105] Joan Daemen, René Govaerts, and Joos Vandewalle. Resynchronization weaknesses in synchronous stream ciphers. *Lecture Notes in Computer Science*, 765:159–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650159.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650159.pdf>.

**Games:1994:BSS**

- [106] Richard A. Games and Joseph J. Rushanan. Blind synchronization of  $m$ -sequences with even span. *Lecture Notes in Computer Science*, 765:168–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650168.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650168.pdf>.

**Seberry:1994:CNC**

- [107] Jennifer Seberry, Xian-Mo Zhang, and Yuliang Zheng. On constructions and nonlinearity of correlation immune functions. *Lecture Notes in Computer Science*, 765:181–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650181.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650181.pdf>.

**Damgaard:1994:PPS**

- [108] Ivan Bjerre Damgård. Practical and provably secure release of a secret and exchange of signatures. *Lecture Notes in Computer Science*, 765:200–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650200.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650200.pdf>.

**Damgard:1994:PPS**

- [109] I. B. Damgård. Practical and provably secure release of a secret and exchange of signatures. *Lecture Notes in Computer Science*, 765:200–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Simmons:1994:SCE**

- [110] Gustavus J. Simmons. Subliminal communication is easy using the DSA. *Lecture Notes in Computer Science*, 765:218–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650218.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650218.pdf>.

**Naccache:1994:CRP**

- [111] David Naccache. Can O.S.S. be repaired? — proposal for a new practical signature scheme—. *Lecture Notes in Computer Science*, 765:233–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650233.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650233.pdf>.

**Boyd:1994:LBL**

- [112] Colin Boyd and Wenbo Mao. On a limitation of BAN logic. *Lecture Notes in Computer Science*, 765:240–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650240.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650240.pdf>.

**Park:1994:EAC**

- [113] Choonsik Park, Kazutomu Itoh, and Kaoru Kurosawa. Efficient anonymous channel and all/nothing election scheme. *Lecture Notes in Computer Science*, 765:248–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650248.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650248.pdf>.

**Domingo-Ferrer:1994:URC**

- [114] Josep Domingo-Ferrer. Untransferable rights in a client-independent server environment. *Lecture Notes in Computer Science*, 765:260–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650260.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650260.pdf>.

ny.com/link/service/series/0558/bibs/0765/07650260.htm; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650260.pdf>.

**Ostrovsky:1994:IHS**

- [115] Rafail Ostrovsky, Ramarathnam Venkatesan, and Moti Yung. Interactive hashing simplifies zero-knowledge protocol design. *Lecture Notes in Computer Science*, 765:267–273, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650267.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650267.pdf>.

**Benaloh:1994:OWA**

- [116] Josh Cohen Benaloh and Michael de Mare. One-way accumulators: A decentralized alternative to digital signatures. *Lecture Notes in Computer Science*, 765:274–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650274.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650274.pdf>.

**Damgaard:1994:BAH**

- [117] Ivan Bjerre Damgård and Lars R. Knudsen. The breaking of the AR hash function. *Lecture Notes in Computer Science*, 765:286–292, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650286.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650286.pdf>.

**Boer:1994:CCF**

- [118] Bert den Boer and Antoon Bosselaers. Collisions for the compression function of MD-5. *Lecture Notes in Computer Science*, 765:293–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650293.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650293.pdf>.

**denBoer:1994:CCF**

- [119] Bert den Boer and Antoon Bosselaers. Collisions for the compression function of MD-5. *Lecture Notes in Computer Science*, 765:293–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650293.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650293.pdf>.

**Patarin:1994:HFA**

- [120] Jacques Patarin. How to find and avoid collisions for the knapsack hash function. *Lecture Notes in Computer Science*, 765:305–317, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650317.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650317.pdf>.



ny.com/link/service/series/0558/bibs/0765/07650305.htm; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650305.pdf>.

**Ferguson:1994:STL**

- [121] Niels Ferguson. Single term off-line coins. *Lecture Notes in Computer Science*, 765:318–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650318.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650318.pdf>.

**Cramer:1994:IPW**

- [122] Ronald J. F. Cramer and Torben P. Pedersen. Improved privacy in wallets with observers. *Lecture Notes in Computer Science*, 765:329–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650329.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650329.pdf>.

**Brands:1994:DBP**

- [123] Stefan Brands and David Chaum. Distance bounding protocols. *Lecture Notes in Computer Science*, 765:344–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650344.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650344.pdf>.

series/0558/papers/0765/07650344.pdf.

**OConnor:1994:DCB**

- [124] Luke O'Connor. On the distribution of characteristics in bijective mappings. *Lecture Notes in Computer Science*, 765:360–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650360.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650360.pdf>.

**Meier:1994:SIB**

- [125] Willi Meier. On the security of the IDEA block cipher. *Lecture Notes in Computer Science*, 765:371–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650371.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650371.pdf>.

**Matsui:1994:LCM**

- [126] Mitsuru Matsui. Linear cryptanalysis method for DES cipher. *Lecture Notes in Computer Science*, 765:386–397, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650386.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650386.pdf>.

**Biham:1994:NTC**

- [127] Eli Biham. New types of cryptanalytic attacks using related keys. *Lecture Notes in Computer Science*, 765:398–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650398.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650398.pdf>.

**Brassard:1994:SKR**

- [128] Gilles Brassard and Louis Salvail. Secret key reconciliation by public discussion. *Lecture Notes in Computer Science*, 765:410–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650410.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650410.pdf>.

**Beaver:1994:GUB**

- [129] Donald Beaver and Nicol So. Global, unpredictable bit generation without broadcast. *Lecture Notes in Computer Science*, 765:424–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650424.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650424.pdf>.

**deRooij:1994:SPD**

- [130] Peter de Rooij. On Schnorr’s preprocessing for digital signature schemes. *Lecture Notes in Computer Science*, 765:435–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650435.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650435.pdf>.

**Rooij:1994:SPD**

- [131] Peter de Rooij. On Schnorr’s preprocessing for digital signature schemes. *Lecture Notes in Computer Science*, 765:435–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650435.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650435.pdf>.

**Burmeister:1994:CCW**

- [132] Mike V. D. Burmeister. Cryptanalysis of the Chang-Wu-Chen key distribution system. *Lecture Notes in Computer Science*, 765:440–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650440.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650440.pdf>.

**Oorschot:1994:AET**

- [133] Paul C. van Oorschot. An alternate explanation of two BAN-

logic “failures”. *Lecture Notes in Computer Science*, 765:443–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650443.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650443.pdf>.

**vanOorschot:1994:AET**

- [134] Paul C. van Oorschot. An alternate explanation of two BAN-logic “failures”. *Lecture Notes in Computer Science*, 765:443–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650443.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650443.pdf>.

**Simmons:1994:CTS**

- [135] Gustavus J. Simmons. The consequences of trust in shared secret schemes. *Lecture Notes in Computer Science*, 765:448–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650448.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650448.pdf>.

**Hornauer:1994:MCA**

- [136] G. Hornauer, W. Stephan, and Ralph Wernsdorf. Markov ciphers and alternating groups. *Lecture Notes in Computer Science*, 765:453–??,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650453.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650453.pdf>.

**Park:1994:KDA**

- [137] Choonsik Park, Kaoru Kurosawa, Tatsuaki Okamoto, and Shigeo Tsujii. On key distribution and authentication in mobile radio networks. *Lecture Notes in Computer Science*, 765:461–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0765/07650461.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0765/07650461.pdf>.

**Anonymous:1994:AIa**

- [138] Anonymous. Author index. *Lecture Notes in Computer Science*, 765:467–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/0765/0765indx.pdf>.

**VanLoocke:1994:DCC**

- [139] Philip R. Van Loocke. The dynamics of concepts. A connectionist model. *Lecture Notes in Computer Science*, 766:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gogolla:1994:EER**

- [140] Martin Gogolla. An extended entity-relationship model fundamentals and pragmatics. *Lecture Notes in Computer Science*, 767:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carlisle:1994:EEO**

- [141] Martin C. Carlisle, Anne Rogers, John H. Reppy, and Laurie J. Hendren. Early experiences with olden. *Lecture Notes in Computer Science*, 768:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Solworth:1994:AOO**

- [142] Jon A. Solworth and Bryan B. Reagan. Arbitrary order operations on trees. *Lecture Notes in Computer Science*, 768:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Plevyak:1994:ADS**

- [143] John Plevyak, Andrew A. Chien, and Vijay Karamcheti. Analysis of dynamic structures for efficient parallel execution. *Lecture Notes in Computer Science*, 768:37–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bik:1994:ADS**

- [144] Aart J. C. Bik and Harry A. G. Wijshoff. On automatic data structure selection and code generation for sparse computations. *Lecture Notes in Computer Science*, 768:57–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prakash:1994:SID**

- [145] Sundeep Prakash, Maneesh Dhagat, and Rajive Bagrodia. Synchronization issues in data-parallel languages. *Lecture Notes in Computer Science*, 768:76–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:ZAS**

- [146] Calvin Lin and Lawrence Snyder. ZPL: An array sublanguage. *Lecture Notes in Computer Science*, 768:96–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Browne:1994:EBC**

- [147] Raju Browne and James C. Pandey. Event-based composition of concurrent programs. *Lecture Notes in Computer Science*, 768:115–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carriero:1994:APM**

- [148] Nicholas Carriero, Eric Freeman, and David Gelernter. Adaptive parallelism on multiprocessors: Preliminary experience with Piranha on the CM-5. *Lecture Notes in Computer Science*, 768:139–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Das:1994:SAI**

- [149] Raja Das, Joel Saltz, and Reinhard von Hanxleden. Slicing analysis and indirect accesses to distributed arrays. *Lecture Notes in Computer Science*, 768:152–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bwolen:1994:DMI**

- [150] Yang Bwolen, Jon Webb, David R. Stichnoth, James M. O'Hallaron, and Thomas Gross. Do and merge: Integrating parallel loops and reductions. *Lecture Notes in Computer Science*, 768:169–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chapman:1994:ASD**

- [151] Barbara M. Chapman, Thomas Fahringer, and Hans P. Zima. Automatic support for data distribution on distributed memory multiprocessor systems. *Lecture Notes in Computer Science*, 768:184–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bozkus:1994:CAF**

- [152] Zeki Bozkus, Alok Choudhary, Geoffrey Fox, Tomasz Haupt, and Sanjay Ranka. A compilation approach for Fortran 90D/HPF compilers. *Lecture Notes in Computer Science*, 768:200–215, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gupta:1994:FED**

- [153] Manish Gupta and Edith Schonberg. A framework for exploiting data availability to optimize communication. *Lecture Notes in Computer Science*, 768:216–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chatterjee:1994:ADG**

- [154] Siddhartha Chatterjee, Robert Schreiber, and John R. Gilbert. The alignment-distribution graph. *Lecture Notes in*

*Computer Science*, 768:234–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amarasinghe:1994:OCS**

- [155] Saman P. Amarasinghe, Jennifer M. Anderson, Monica S. Lam, and Amy W. Lim. An overview of a compiler for scalable parallel machines. *Lecture Notes in Computer Science*, 768:253–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Granston:1994:TCT**

- [156] Elana D. Granston. Toward a compile-time methodology for reducing false sharing and communication traffic in shared virtual memory systems. *Lecture Notes in Computer Science*, 768:273–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Appelbe:1994:PTL**

- [157] Bill Appelbe, Charles Hardnett, and Sri Doddapaneni. Program transformation for locality using affinity regions. *Lecture Notes in Computer Science*, 768:290–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kennedy:1994:MLP**

- [158] Ken Kennedy and Kathryn S. McKinley. Maximizing loop parallelism and improving data locality via loop fusion and distribution. *Lecture Notes in Computer Science*, 768:301–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Torres:1994:ADB**

- [159] Jordi Torres, Eduard Ayguade, Jesus Labarta, and Mateo Valero. Align and distribute-based linear loop transformations. *Lecture Notes in Computer Science*, 768:321–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gao:1994:ESP**

- [160] Guang R. Gao, Ning Qi, and Vincent Van Dongen. Extending software pipelining techniques for scheduling nested loops. *Lecture Notes in Computer Science*, 768:340–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaushik:1994:MGE**

- [161] S. D. Kaushik, C.-H. Huang, P. Sadayappan, and R. W. Johnson. A methodology for generating efficient disk-based algorithms from tensor product formulas. *Lecture Notes in Computer Science*, 768:358–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sehr:1994:LTP**

- [162] David C. Sehr, Laxmikant V. Kale, and David A. Padua. Loop transformations for Prolog programs. *Lecture Notes in Computer Science*, 768:374–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nikhil:1994:MII**

- [163] Rishiyur S. Nikhil. A multithreaded implementation of Id using P-RISC graphs. *Lecture Notes in Computer Science*, 768:390–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schlansker:1994:AFH**

- [164] Michael Schlansker and Vinod Kathail. Acceleration of first and higher order recurrences on processors with instruction level parallelism. *Lecture Notes in Computer Science*, 768:406–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Neves:1994:ECT**

- [165] Richard Neves and Robert B. Schnabel. Efficient compile-time/run-time contraction of fine grain data parallel codes. *Lecture Notes in Computer Science*, 768:430–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Novack:1994:VVI**

- [166] Steven Novack and Alexandru Nicolau. VISTA: The visual interface for scheduling transformations and analysis. *Lecture Notes in Computer Science*, 768:449–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cytron:1994:ECN**

- [167] Ron K. Cytron and Jeanne Ferrante. Efficiently computing *o*-nodes on-the-fly. *Lecture Notes in Computer Science*, 768:461–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Havlak:1994:CTG**

- [168] Paul Havlak. Construction of thinned gated single-assignment form. *Lecture Notes in Computer Science*, 768:477–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Peng:1994:AAP**

- [169] Tu Peng and David Padua. Automatic array privatization. *Lecture Notes in Computer Science*, 768:500–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grunwald:1994:ECP**

- [170] Dirk Grunwald and Harini Srinivasan. Efficient computation of precedence information in parallel programs. *Lecture Notes in Computer Science*, 768:502–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hall:1994:FFI**

- [171] Mary W. Hall, John M. Mellor-Crummey, Alan Carle, and Rene G. Rodriguez. FIAT: A framework for interprocedural analysis and transformations. *Lecture Notes in Computer Science*, 768:522–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pugh:1994:EMA**

- [172] William Pugh and David Wonnacott. An exact method for analysis of value-based array data dependences. *Lecture Notes in Computer Science*, 768:546–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haghighat:1994:SAB**

- [173] Mohammad R. Haghighat and Constantine D. Polychronopoulos. Symbolic analysis: A basis for parallelization, optimization, and scheduling of programs. *Lecture Notes in Computer Science*, 768:567–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gupta:1994:TNI**

- [174] Rajiv Gupta and Madalene Spezialetti. Towards a non-intrusive approach for monitoring distributed computations through perturbation analysis. *Lecture Notes in Computer Science*, 768:586–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Netzer:1994:TSV**

- [175] Robert H. B. Netzer. Trace size vs. parallelism in trace-and-replay debugging of shared-memory programs. *Lecture Notes in Computer Science*, 768:617–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sarkar:1994:PPG**

- [176] Vivek Sarkar and Barbara Simons. Parallel program graphs and their classification. *Lecture Notes in Computer Science*, 768:633–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nazareth:1994:NCF**

- [177] J. L. Nazareth. The Newton-Cauchy framework: A unified approach to unconstrained nonlinear minimization. *Lecture Notes in Computer Science*, 769:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haddawy:1994:RPU**

- [178] Peter Haddawy. Representing plans under uncertainty A logic of time, chance,

and action. *Lecture Notes in Computer Science*, 770:1-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tomas:1994:VSP**

- [179] Gerald Tomas and Christoph W. Ueberhuber. Visualization of scientific parallel programs. *Lecture Notes in Computer Science*, 771:1-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Estublier:1994:AS**

- [180] J. Estublier. Architecture session. *Lecture Notes in Computer Science*, 772:1-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ambriola:1994:OSO**

- [181] V. Ambriola, G. A. Cignoni, and C. Montangero. The Oikos services for object management in the software process. *Lecture Notes in Computer Science*, 772:2-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bandinelli:1994:ASP**

- [182] S. Bandinelli, M. Braga, A. Fuggetta, and L. Lavazza. The architecture of SPADE-1 process-centered SEE. *Lecture Notes in Computer Science*, 772:15-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anderson:1994:NSP**

- [183] M. Anderson and P. Griffiths. The nature of the software process modelling problem is evolving. *Lecture Notes in Computer Science*, 772:31-??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baldi:1994:SPP**

- [184] M. Baldi, S. Gai, M. L. Jaccheri, and P. Lago. Searching for PMIPS: Process model instructions per second. *Lecture Notes in Computer Science*, 772:35-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Conradi:1994:MPM**

- [185] R. Conradi. Meta-process / methodology session. *Lecture Notes in Computer Science*, 772:38-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sa:1994:MPU**

- [186] J. Sa and B. C. Warboys. Modelling processes using a stepwise refinement technique. *Lecture Notes in Computer Science*, 772:40-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rodden:1994:PMD**

- [187] T. Rodden, V. King, J. Hughes, and I. Sommerville. Process modelling and development practice. *Lecture Notes in Computer Science*, 772:59-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Phalp:1994:PAP**

- [188] K. Phalp and M. Shepperd. A pragmatic approach to process modelling. *Lecture Notes in Computer Science*, 772:65-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Junkermann:1994:DMP**

- [189] G. Junkermann and W. Schafer. A design methodology for process-programming. *Lecture Notes in Computer Science*, 772:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Derniame:1994:PMC**

- [190] J.-C. Derniame. Process modelling concepts session. *Lecture Notes in Computer Science*, 772:74–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Heineman:1994:PMC**

- [191] G. T. Heineman. Process modelling with cooperative agents. *Lecture Notes in Computer Science*, 772:75–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dowson:1994:TRE**

- [192] M. Dowson and C. Fernstrom. Towards requirements for enactment mechanisms. *Lecture Notes in Computer Science*, 772:90–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Perry:1994:ECI**

- [193] D. E. Perry. Enactment control in interact/intermediate. *Lecture Notes in Computer Science*, 772:107–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sommerville:1994:SIS**

- [194] I. Sommerville and S. Monk. Supporting informality in the software process. *Lecture Notes in Computer Science*, 772:114–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chroust:1994:NPM**

- [195] G. Chroust. Navigation in process models. *Lecture Notes in Computer Science*, 772:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Verlage:1994:MVM**

- [196] M. Verlage. Multi-view modelling of software processes. *Lecture Notes in Computer Science*, 772:123–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fuggetta:1994:PCP**

- [197] A. Fuggetta. PML concepts and paradigms session. *Lecture Notes in Computer Science*, 772:127–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Engels:1994:SCB**

- [198] G. Engels and L. Groenewegen. Specification of coordinated behaviour by SOCCA. *Lecture Notes in Computer Science*, 772:128–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berrington:1994:DCI**

- [199] N. Berrington, D. De Roure, R. Greenwood, and P. Henderson. Distribution and change: Investigating two challenges for process enactment systems. *Lecture Notes in Computer Science*, 772:152–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Starke:1994:WPM**

- [200] G. Starke. Why is process modelling so difficult? *Lecture Notes in Computer Science*, 772:163–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Greenwood:1994:MPC**

- [201] R. M. Greenwood. Modelling processes with constraints. *Lecture Notes in Computer Science*, 772:167–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arbaoui:1994:GOV**

- [202] S. Arbaoui and F. Oquendo. Goal oriented vs. activity oriented process modelling and enactment: Issues and perspectives. *Lecture Notes in Computer Science*, 772:171–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tankoano:1994:SPD**

- [203] J. Tankoano, J.-C. Derniame, and A. B. Kaba. Software process design based on products and the object oriented paradigm. *Lecture Notes in Computer Science*, 772:177–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sommerville:1994:ESP**

- [204] I. Sommerville. Experiences with software process technology session. *Lecture Notes in Computer Science*, 772:186–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Robertson:1994:IIP**

- [205] I. Robertson. An implementation of the ISPW-6 process example. *Lecture Notes in Computer Science*, 772:187–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ambriola:1994:AMF**

- [206] V. Ambriola, R. Di Meglio, V. Gervasi, and B. Mercurio. Applying a metric framework to the software process: an experiment. *Lecture Notes in Computer Science*, 772:207–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aumaitre:1994:LLF**

- [207] J.-M. Aumaitre, M. Dowson, and D.-R. Harjani. Lessons learned from formalizing and implementing a large process model. *Lecture Notes in Computer Science*, 772:227–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kramer:1994:APT**

- [208] B. Kramer and B. Dinler. Applying process technology to hardware design. *Lecture Notes in Computer Science*, 772:240–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ambriola:1994:RDS**

- [209] V. Ambriola. Related domains session. *Lecture Notes in Computer Science*, 772:249–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gruhn:1994:SPM**

- [210] V. Gruhn. Software process management and business process (re-)engineering. *Lecture Notes in Computer Science*, 772:250–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Conradi:1994:CMF**

- [211] R. Conradi, G. M. Hoydalsvik, and G. Sindre. A comparison of modelling frameworks for software processes and information systems. *Lecture Notes in Computer Science*, 772:254–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lonchamp:1994:PCF**

- [212] J. Lonchamp. A process-centered framework for asynchronous collaborative work. *Lecture Notes in Computer Science*, 772:261–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Estublier:1994:WPT**

- [213] J. Estublier. What process technology needs from databases. *Lecture Notes in Computer Science*, 772:270–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shamir:1994:ESS**

- [214] Adi Shamir. Efficient signature schemes based on birational permutations. *Lecture Notes in Computer Science*, 773:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730001.pdf>.

[com/link/service/series/0558/papers/0773/07730001.pdf](http://link.springer-ny.com/link/service/series/0558/papers/0773/07730001.pdf).

**Stern:1994:NIS**

- [215] Jacques Stern. A new identification scheme based on syndrome decoding. *Lecture Notes in Computer Science*, 773:13–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730013.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730013.pdf>.

**Coppersmith:1994:SG**

- [216] Don Coppersmith, Hugo Krawczyk, and Yishay Mansour. The shrinking generator. *Lecture Notes in Computer Science*, 773:22–39, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730022.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730022.pdf>.

**Taylor:1994:ICV**

- [217] Richard Taylor. An integrity check value algorithm for stream ciphers. *Lecture Notes in Computer Science*, 773:40–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730040.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730040.pdf>.

**Seberry:1994:NBB**

- [218] Jennifer Seberry, Xian-Mo Zhang, and Yuliang Zheng. Nonlinearly balanced Boolean functions and their propagation characteristics. *Lecture Notes in Computer Science*, 773:49–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730049.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730049.pdf>.

**Itoh:1994:LCC**

- [219] Toshiya Itoh, Masafumi Hoshi, and Shigeo Tsujii. A low communication competitive interactive proof system for promised quadratic residuosity. *Lecture Notes in Computer Science*, 773:61–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730061.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730061.pdf>.

**DeSantis:1994:SSP**

- [220] A. De Santis, G. Di Crescenzo, and G. Persiano. Secret sharing and perfect zero-knowledge. *Lecture Notes in Computer Science*, 773:73–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Santis:1994:SSP**

- [221] Alfredo De Santis, Giovanni Di Crescenzo, and Giuseppe Persiano. Secret sharing and perfect zero-knowledge. *Lecture Notes in Computer*

*Science*, 773:73–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730073.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730073.pdf>.

**Aumann:1994:OMP**

- [222] Yonatan Aumann and Uriel Feige. One message proof systems with known space verifiers. *Lecture Notes in Computer Science*, 773:85–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730085.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730085.pdf>.

**Damgard:1994:IHC**

- [223] Ivan B. Damgård. Interactive hashing can simplify zero-knowledge protocol design without computational assumptions. *Lecture Notes in Computer Science*, 773:100–109, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Damgaard:1994:IHC**

- [224] Ivan Bjerre Damgård. Interactive hashing can simplify zero-knowledge protocol design without computational assumptions. *Lecture Notes in Computer Science*, 773:100–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730100.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730100.pdf>.

/link.springer-ny.com/link/service/series/0558/papers/0773/07730100.pdf.

**Blundo:1994:FDS**

- [225] Carlo Blundo, Antonella Cresti, Alfredo De Santis, and Ugo Vaccaro. Fully dynamic secret sharing schemes. *Lecture Notes in Computer Science*, 773:110–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730110.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730110.pdf>.

**Jackson:1994:MTS**

- [226] Wen-Ai Jackson, Keith M. Martin, and Christine M. O’Keefe. Multi-secret threshold schemes. *Lecture Notes in Computer Science*, 773:126–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730126.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730126.pdf>.

**Wen-Ai:1994:MTS**

- [227] Jackson Wen-Ai, Keith M. Martin, and Christine M. O’Keefe. Multisecret threshold schemes. *Lecture Notes in Computer Science*, 773:126–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krawczyk:1994:SSM**

- [228] Hugo Krawczyk. Secret sharing made short. *Lecture Notes*

*in Computer Science*, 773:136–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730136.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730136.pdf>.

**Adleman:1994:SAD**

- [229] Leonard M. Adleman and Johnathan DeMarras. A subexponential algorithm for discrete logarithms over all finite fields. *Lecture Notes in Computer Science*, 773:147–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730147.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730147.pdf>.

**Buchmann:1994:IGN**

- [230] Johannes A. Buchmann, J. Loho, and J. Zayer. An implementation of the general number field sieve. *Lecture Notes in Computer Science*, 773:159–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730159.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730159.pdf>.

**Denny:1994:FR**

- [231] T. Denny, Bruce Dodson, Arjen K. Lenstra, and Mark S. Manasse. On the factorization of RSA-120. *Lecture*

*Notes in Computer Science*, 773:166–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730166.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730166.pdf>.

**Bosselaers:1994:CTM**

- [232] Antoon Bosselaers, René Govaerts, and Joos Vandewalle. Comparison of three modular reduction functions. *Lecture Notes in Computer Science*, 773:175–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730175.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730175.pdf>.

**Ben-Aroya:1994:DCL**

- [233] Ishai Ben-Aroya and Eli Biham. Differential cryptanalysis of Lucifer. *Lecture Notes in Computer Science*, 773:187–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730187.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730187.pdf>.

**Ohta:1994:DAM**

- [234] Kazuo Ohta and Mitsuru Matsui. Differential attack on message authentication codes. *Lecture Notes in Computer Science*, 773:200–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730200.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730200.pdf>.

**Preneel:1994:CCM**

- [235] Bart Preneel, Marnix Nuttin, Vincent Rijmen, and Johan Buelens. Cryptanalysis of the CFB mode of the DES with a reduced number of rounds. *Lecture Notes in Computer Science*, 773:212–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730212.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730212.pdf>.

**Daemen:1994:WKI**

- [236] Joan Daemen, René Govaerts, and Joos Vandewalle. Weak keys for IDEA. *Lecture Notes in Computer Science*, 773:224–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730224.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730224.pdf>.

**Bellare:1994:EAK**

- [237] Mihir Bellare and Phillip Rogaway. Entity authentication and key distribution. *Lecture Notes in Computer Science*, 773:232–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730232.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730232.pdf>.

**Damgaard:1994:ESH**

- [238] Ivan Bjerre Damgård, Torben Prids Pedersen, and Birgit Pfitzmann. On the existence of statistically hiding bit commitment schemes and fail-stop signatures. *Lecture Notes in Computer Science*, 773:250–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730250.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730250.pdf>.

**Damgard:1994:ESH**

- [239] Ivan B. Damgard, Torben P. Pedersen, and Birgit Pfitzmann. On the existence of statistically hiding bit commitment schemes and fail-stop signatures. *Lecture Notes in Computer Science*, 773:250–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Franklin:1994:JEM**

- [240] Matthew Franklin and Stuart Haber. Joint encryption and message-efficient secure computation. *Lecture Notes in Computer Science*, 773:266–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730266.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730266.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/0773/07730266.pdf](http://link.springer-ny.com/link/service/series/0558/papers/0773/07730266.pdf).

**Blum:1994:CPB**

- [241] Avrim Blum, Merrick Furst, Michael Kearns, and Richard J. Lipton. Cryptographic primitives based on hard learning problems. *Lecture Notes in Computer Science*, 773:278–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730278.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730278.pdf>.

**Ferguson:1994:EST**

- [242] Niels Ferguson. Extensions of single-term coins. *Lecture Notes in Computer Science*, 773:292–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730292.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730292.pdf>.

**Brands:1994:ULC**

- [243] Stefan Brands. Untraceable off-line cash in wallets with observers. *Lecture Notes in Computer Science*, 773:302–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730302.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730302.pdf>.

series/0558/papers/0773/07730302. pdf.

**Crepeau:1994:DSG**

- [244] Claude Crépeau and Joe Kilian. Dis-  
 creet solitary games. *Lecture Notes  
 in Computer Science*, 773:319–??,  
 1994. CODEN LNCS9. ISSN  
 0302-9743 (print), 1611-3349 (elec-  
 tronic). URL [http://link.springer-  
 ny.com/link/service/series/0558/  
 bibs/0773/07730319.htm](http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730319.htm); [http://  
 link.springer-ny.com/link/service/  
 series/0558/papers/0773/07730319.  
 pdf](http://link.springer-ny.com/link/service/series/0558/papers/0773/07730319.pdf).

**Bierbrauer:1994:FHF**

- [245] Jürgen Bierbrauer, Thomas Johans-  
 son, Gregory A. Kabatianskii, and  
 Bernard J. M. Smeets. On fam-  
 ilies of hash functions via geomet-  
 ric codes and concatenation. *Lecture  
 Notes in Computer Science*, 773:331–  
 342, 1994. CODEN LNCS9. ISSN  
 0302-9743 (print), 1611-3349 (elec-  
 tronic). URL [http://link.springer-  
 ny.com/link/service/series/0558/  
 bibs/0773/07730331.htm](http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730331.htm); [http://  
 link.springer-ny.com/link/service/  
 series/0558/papers/0773/07730331.  
 pdf](http://link.springer-ny.com/link/service/series/0558/papers/0773/07730331.pdf).

**Johansson:1994:CPA**

- [246] Thomas Johansson. On the con-  
 struction of perfect authentication  
 codes that permit arbitration. *Lecture  
 Notes in Computer Science*, 773:343–  
 ??, 1994. CODEN LNCS9. ISSN  
 0302-9743 (print), 1611-3349 (elec-  
 tronic). URL [http://link.springer-  
 ny.com/link/service/series/0558/  
 bibs/0773/07730343.htm](http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730343.htm); [http://  
 link.springer-ny.com/link/service/  
 series/0558/papers/0773/07730343.  
 pdf](http://link.springer-ny.com/link/service/series/0558/papers/0773/07730343.pdf).

series/0558/papers/0773/07730343. pdf.

**Gemmell:1994:CIA**

- [247] Peter Gemmell and Moni Naor. Codes  
 for interactive authentication. *Lecture  
 Notes in Computer Science*, 773:355–  
 ??, 1994. CODEN LNCS9. ISSN  
 0302-9743 (print), 1611-3349 (elec-  
 tronic). URL [http://link.springer-  
 ny.com/link/service/series/0558/  
 bibs/0773/07730355.htm](http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730355.htm); [http://  
 link.springer-ny.com/link/service/  
 series/0558/papers/0773/07730355.  
 pdf](http://link.springer-ny.com/link/service/series/0558/papers/0773/07730355.pdf).

**Preneel:1994:HFB**

- [248] Bart Preneel, René Govaerts, and  
 Joos Vandewalle. Hash functions  
 based on block ciphers: A syn-  
 thetic approach. *Lecture Notes  
 in Computer Science*, 773:368–378,  
 1994. CODEN LNCS9. ISSN  
 0302-9743 (print), 1611-3349 (elec-  
 tronic). URL [http://link.springer-  
 ny.com/link/service/series/0558/  
 bibs/0773/07730368.htm](http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730368.htm); [http://  
 link.springer-ny.com/link/service/  
 series/0558/papers/0773/07730368.  
 pdf](http://link.springer-ny.com/link/service/series/0558/papers/0773/07730368.pdf).

**Hohl:1994:SIH**

- [249] Walter Hohl, Xuejia Lai, Thomas  
 Meier, and Christian Waldvogel. Se-  
 curity of iterated hash functions based  
 on block ciphers. *Lecture Notes  
 in Computer Science*, 773:379–390,  
 1994. CODEN LNCS9. ISSN  
 0302-9743 (print), 1611-3349 (elec-  
 tronic). URL [http://link.springer-  
 ny.com/link/service/series/0558/  
 bibs/0773/07730379.htm](http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730379.htm); [http://  
 link.springer-ny.com/link/service/  
 series/0558/papers/0773/07730379.  
 pdf](http://link.springer-ny.com/link/service/series/0558/papers/0773/07730379.pdf).



series/0558/papers/0773/07730379. pdf.

**Patarin:1994:IAP**

- [250] Jacques Patarin and Pascal Chauvaud. Improved algorithms for the permuted kernel problem. *Lecture Notes in Computer Science*, 773:391–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730391.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730391.pdf>.

**OConnor:1994:DCC**

- [251] Luke O'Connor. On the distribution of characteristics in composite permutations. *Lecture Notes in Computer Science*, 773:403–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730403.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730403.pdf>.

**Li:1994:RTR**

- [252] Chuan-Ming Li, Tzonelih Hwang, and Narn-Yih Lee. Remark on the threshold RSA signature scheme. *Lecture Notes in Computer Science*, 773:413–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730413.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730413.pdf>.

series/0558/papers/0773/07730413. pdf.

**Chae:1994:AMA**

- [253] Hoon Lim Chae and Joong Lee Pil. Another method for attaining security against adaptively chosen ciphertext attacks. *Lecture Notes in Computer Science*, 773:420–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lim:1994:AMA**

- [254] Chae Hoon Lim and Pil Joong Lee. Another method for attaining security against adaptively chosen ciphertext attacks. *Lecture Notes in Computer Science*, 773:420–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730420.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730420.pdf>.

**Coppersmith:1994:ABP**

- [255] Don Coppersmith, Jacques Stern, and Serge Vaudenay. Attacks on the birational permutation signature schemes. *Lecture Notes in Computer Science*, 773:435–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730435.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730435.pdf>.

**Beimel:1994:IKD**

- [256] Amos Beimel and Benny Chor. Interaction in key distribution schemes. *Lecture Notes in Computer Science*, 773:444–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730444.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730444.pdf>.

**Leighton:1994:SKA**

- [257] Tom Leighton and Silvio Micali. Secret-key agreement without public-key cryptography. *Lecture Notes in Computer Science*, 773:456–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730456.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730456.pdf>.

**Fiat:1994:BE**

- [258] Amos Fiat and Moni Naor. Broadcast encryption. *Lecture Notes in Computer Science*, 773:480–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0773/07730480.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0773/07730480.pdf>.

**Anonymous:1994:AIb**

- [259] Anonymous. Author index. *Lecture Notes in Computer Science*, 773:492–

??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/0773/0773indx.pdf>.

**Laird:1994:IUP**

- [260] P. Laird. Identifying and using patterns in sequential data. *Lecture Notes in Computer Science*, 774:1–18, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chillarege:1994:TFC**

- [261] Ram Chillarege. Top five challenges facing the practice of fault tolerance. *Lecture Notes in Computer Science*, 774:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yamamoto:1994:GUB**

- [262] A. Yamamoto. Generalized unification as background knowledge in learning logic programs. *Lecture Notes in Computer Science*, 774:11–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Levendel:1994:FTC**

- [263] Y. Levendel. Fault tolerance cost effectiveness. *Lecture Notes in Computer Science*, 774:13–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Miyano:1994:LTT**

- [264] S. Miyano. Learning theory toward genome informatics. *Lecture Notes in Computer Science*, 774:19–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Locke:1994:FTA**

- [265] C. Douglass Locke. Fault tolerant applications systems; A requirements perspective. *Lecture Notes in Computer Science*, 774:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Banatre:1994:SSM**

- [266] Michel Banatre, Alain Gefflaut, and Christine Morin. Scalable shared memory multiprocessors: Some ideas to make them reliable. *Lecture Notes in Computer Science*, 774:29–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muggleton:1994:OLL**

- [267] S. Muggleton. Optimal layered learning: A PAC approach to incremental sampling. *Lecture Notes in Computer Science*, 774:37–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arima:1994:REL**

- [268] J. Arima and H. Sawamura. Reformulation of explanation by linear logic — toward logic for explanation. *Lecture Notes in Computer Science*, 774:45–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fuchs:1994:ACA**

- [269] W. Kent Fuchs, Wen mei Hwu, and Neal J. Alewine. Application of compiler-assisted rollback recovery to speculative execution repair. *Lecture Notes in Computer Science*, 774:45–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barzdins:1994:TEIa**

- [270] J. Barzdins, G. Barzdins, K. Apsitis, and U. Sarkans. Towards efficient inductive synthesis of expressions from input/output examples. *Lecture Notes in Computer Science*, 774:59–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gleeson:1994:FTW**

- [271] Barry J. Gleeson. Fault tolerance: Why should I pay for it? *Lecture Notes in Computer Science*, 774:66–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hagiya:1994:TLC**

- [272] M. Hagiya. A typed lambda-calculus for proving-by-example and bottom-up generalization procedure. *Lecture Notes in Computer Science*, 774:73–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jones:1994:SDF**

- [273] Jeremy Jones and Brian Coghlan. Stable disk — A fault tolerant cached RAID subsystem. *Lecture Notes in Computer Science*, 774:78–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jantke:1994:CBR**

- [274] K. P. Jantke and S. Lange. Case-based representation and learning of pattern languages. *Lecture Notes in Computer Science*, 774:87–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liddell:1994:SDM**

- [275] David Liddell. Simple design makes reliable computers. *Lecture Notes in Computer Science*, 774:91–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pradhan:1994:RFC**

- [276] Dhiraj K. Pradhan, Debendra Das Sharma, and Nitin H. Vaidya. Roll-forward checkpointing schemes. *Lecture Notes in Computer Science*, 774:95–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sato:1994:IR**

- [277] T. Sato and S. Akiba. Inductive resolution. *Lecture Notes in Computer Science*, 774:101–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stiffler:1994:FTA**

- [278] Jack J. Stiffler. Fault tolerant architectures — past, present and (?) future. *Lecture Notes in Computer Science*, 774:117–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mukouchi:1994:IIM**

- [279] Y. Mukouchi and S. Arikawa. Inductive inference machines that can refute hypothesis spaces. *Lecture Notes in Computer Science*, 774:123–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amir:1994:HAA**

- [280] Ofir Amir, Yair Amir, and Danny Dolev. A highly available application in the Transis environment. *Lecture*

*Notes in Computer Science*, 774:125–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Freivalds:1994:DBM**

- [281] R. Freivalds and C. H. Smith. On the duality between mechanistic learners and what it is they learn. *Lecture Notes in Computer Science*, 774:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Birman:1994:REC**

- [282] Kenneth P. Birman. Reliable enterprise computing systems. *Lecture Notes in Computer Science*, 774:140–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jain:1994:ATL**

- [283] S. Jain and A. Sharma. On aggregating teams of learning machines. *Lecture Notes in Computer Science*, 774:150–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Elnozahy:1994:FTC**

- [284] Elmootazbellah N. Elnozahy. Fault tolerance for clusters of workstations. *Lecture Notes in Computer Science*, 774:151–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1994:TTT**

- [285] Yennun Huang, Chandra Kintala, and Pankaj Jalote. Two techniques for transient software error recovery. *Lecture Notes in Computer Science*, 774:159–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Viksna:1994:LGQ**

- [286] J. Viksna. Learning with growing quality. *Lecture Notes in Computer Science*, 774:164–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1994:SFR**

- [287] Peter A. Lee. Software-faults: The remaining problem in fault tolerant systems? *Lecture Notes in Computer Science*, 774:171–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Daley:1994:URA**

- [288] R. Daley and B. Kalyanasundaram. Use of reduction arguments in determining popperian FIN-Type learning capabilities. *Lecture Notes in Computer Science*, 774:173–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lipkis:1994:FTE**

- [289] Jim Lipkis and Marc Rozier. Fault tolerance enablers in the CHORUS microkernel. *Lecture Notes in Computer Science*, 774:182–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moriyama:1994:PLC**

- [290] T. Moriyama and M. Sato. Properties of language classes with finite elasticity. *Lecture Notes in Computer Science*, 774:187–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muller:1994:RCS**

- [291] Gilles Muller. A reliable client-server model on top of a micro-kernel. *Lecture Notes in Computer Science*, 774:191–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kapur:1994:UCV**

- [292] S. Kapur. Uniform characterizations of various kinds of language learning. *Lecture Notes in Computer Science*, 774:197–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Powell:1994:DFT**

- [293] David Powell. Distributed fault tolerance — lessons learnt from delta-4. *Lecture Notes in Computer Science*, 774:199–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Knuutila:1994:HIC**

- [294] T. Knuutila. How to invent characterizable inference methods for regular languages. *Lecture Notes in Computer Science*, 774:209–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shrivastava:1994:AVC**

- [295] Santosh K. Shrivastava. Arjuna and voltan: Case studies in building fault tolerant distributed systems using standard components. *Lecture Notes in Computer Science*, 774:218–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cuellar:1994:NDA**

- [296] J. R. Cuellar and H. U. Simon. Neural discriminant analysis. *Lecture Notes in Computer Science*, 774:223–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bark:1994:FTP**

- [297] Rod Bark. Fault tolerant platforms for emerging telecommunications markets. *Lecture Notes in Computer Science*, 774:229–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Iwayama:1994:NAA**

- [298] M. Iwayama, N. Indurkha, and H. Motoda. A new algorithm for automatic configuration of hidden Markov models. *Lecture Notes in Computer Science*, 774:237–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jahanian:1994:FTE**

- [299] Farman Jahanian. Fault tolerance in embedded real-time systems. *Lecture Notes in Computer Science*, 774:237–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kopetz:1994:SDL**

- [300] Hermann Kopetz. The systematic design of large real-time systems or interface simplicity. *Lecture Notes in Computer Science*, 774:250–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sakurai:1994:VDD**

- [301] A. Sakurai. On the VC-Dimension of depth four threshold circuits and the complexity of Boolean-valued functions. *Lecture Notes in Computer Science*, 774:251–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lala:1994:FTE**

- [302] Jaynarayan H. Lala and Richard E. Harper. Fault tolerance in embedded real-time systems: Importance and treatment of common mode failures. *Lecture Notes in Computer Science*, 774:263–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Takimoto:1994:SCC**

- [303] E. Takimoto and A. Maruoka. On the sample complexity of consistent learning with one-sided error. *Lecture Notes in Computer Science*, 774:265–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shinohara:1994:CCV**

- [304] A. Shinohara. Complexity of computing Vapnik–Chervonenkis dimension. *Lecture Notes in Computer Science*, 774:279–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Borr:1994:HAD**

- [305] Andrea Borr and Carol Wilhelmy. Highly-available data services for UNIX client-server networks: Why fault tolerant hardware isn't the answer. *Lecture Notes in Computer*

*Science*, 774:285–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hasegawa:1994:ALS**

- [306] S. Hasegawa, H. Imai, and M. Ishiguro. in-approximations of  $k$ -label spaces. *Lecture Notes in Computer Science*, 774:288–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakamura:1994:ELL**

- [307] A. Nakamura and N. Abe. Exact learning of linear combinations of monotone terms from function value queries. *Lecture Notes in Computer Science*, 774:300–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paris:1994:MRD**

- [308] Jean-François Paris. The management of replicated data. *Lecture Notes in Computer Science*, 774:305–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Siromoney:1994:TSD**

- [309] R. Siromoney, D. G. Thomas, K. G. Subramanian, and V. R. Dare. Thue systems and DNA — A learning algorithm for a subclass. *Lecture Notes in Computer Science*, 774:314–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ishigami:1994:VDF**

- [310] Y. Ishigami and S. Tani. The VC-Dimensions of finite automata with  $n$  states. *Lecture Notes in Computer Science*, 774:328–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yoshida:1994:ULM**

- [311] K. Yoshida, H. Motoda, and N. Indurkha. Unifying learning methods by colored digraphs. *Lecture Notes in Computer Science*, 774:342–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Suwa:1994:PCV**

- [312] M. Suwa and H. Motoda. A perceptual criterion for visually controlling learning. *Lecture Notes in Computer Science*, 774:356–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kobayashi:1994:LSU**

- [313] S. Kobayashi. Learning strategies using decision lists. *Lecture Notes in Computer Science*, 774:370–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhong:1994:DBI**

- [314] N. Zhong and S. Ohsuga. A decomposition based induction model for discovering concept clusters from databases. *Lecture Notes in Computer Science*, 774:384–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ganascia:1994:ASS**

- [315] J.-G. Ganascia. Algebraic structure of some learning systems. *Lecture Notes in Computer Science*, 774:398–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsumoto:1994:IPR**

- [316] S. Tsumoto and H. Tanaka. Induction of probabilistic rules based on rough set theory. *Lecture Notes in Computer Science*, 774:410–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seidel:1994:NMP**

- [317] Raimund Seidel. The nature and meaning of perturbations in geometric computing. *Lecture Notes in Computer Science*, 775:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Devienne:1994:OBH**

- [318] Ph. Devienne, P. Lebegue, J-Ch. Routier, and J. Wurtz. One binary Horn clause is enough. *Lecture Notes in Computer Science*, 775:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bensaou:1994:TCL**

- [319] N. Bensaou and I. Guessarian. Transforming constraint logic programs. *Lecture Notes in Computer Science*, 775:33–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Laroussinie:1994:HTL**

- [320] F. Laroussinie and Ph. Schnoebelen. A hierarchy of temporal logics with past. *Lecture Notes in Computer Science*, 775:47–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goubault:1994:CRB**

- [321] J. Goubault. The complexity of resource-bounded first-order classical logic. *Lecture Notes in Computer Science*, 775:59–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benhamou:1994:TPP**

- [322] B. Benhamou, L. Sais, and P. Siegel. Two proof procedures for a cardinality based language in propositional calculus. *Lecture Notes in Computer Science*, 775:71–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**vonBraunmuhl:1994:AHM**

- [323] B. von Braunmuhl, R. Gengler, and R. Rettinger. The alternation hierarchy for machines with sublogarithmic space is infinite. *Lecture Notes in Computer Science*, 775:85–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Naik:1994:QTC**

- [324] A. V. Naik, K. W. Regan, and D. Sivakumar. Quasilinear time complexity theory. *Lecture Notes in Computer Science*, 775:97–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Macarie:1994:SED**

- [325] I. I. Macarie. Space-efficient deterministic simulation of probabilistic automata. *Lecture Notes in Computer Science*, 775:109–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Immerman:1994:RPL**

- [326] K. Immerman and N. Etessami. Reachability and the power of local ordering. *Lecture Notes in Computer Science*, 775:123–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mak:1994:PMA**

- [327] L. Mak. Are parallel machines always faster than sequential machines? *Lecture Notes in Computer Science*, 775:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Comon:1994:GRA**

- [328] H. Comon and F. Jacquemard. Ground reducibility and automata with disequality constraints. *Lecture Notes in Computer Science*, 775:151–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Khasidashvili:1994:PSN**

- [329] Z. Khasidashvili. Perpetuality and strong normalization in orthogonal term rewriting systems. *Lecture Notes in Computer Science*, 775:163–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sattler-Klein:1994:ACO**

- [330] A. Sattler-Klein. About changing the ordering during Knuth–Bendix completion. *Lecture Notes in Computer Science*, 775:175–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ringeissen:1994:CMA**

- [331] C. Ringeissen. Combination of matching algorithms. *Lecture Notes in Computer Science*, 775:187–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kik:1994:PCD**

- [332] M. Kik, M. Kutylowski, and G. Stachowiak. Periodic constant depth sorting networks. *Lecture Notes in Computer Science*, 775:201–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chlebus:1994:OPM**

- [333] B. S. Chlebus and L. Gasieniec. Optimal pattern matching on meshes. *Lecture Notes in Computer Science*, 775:213–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kunde:1994:FSR**

- [334] M. Kunde, R. Niedermeier, and P. Rossmanith. Faster sorting and routing on grids with diagonals. *Lecture Notes in Computer Science*, 775:225–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sibeyn:1994:DKR**

- [335] J. F. Sibeyn and M. Kaufmann. Deterministic 1-k routing on meshes. *Lecture Notes in Computer Science*, 775:237–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hofmann:1994:UTT**

- [336] M. Hofmann and B. Pierce. A unifying type-theoretic framework for objects. *Lecture Notes in Computer Science*, 775:251–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Avenhaus:1994:OSB**

- [337] J. Avenhaus and K. Becker. Operational specifications with built-ins. *Lecture Notes in Computer Science*, 775:263–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gribomont:1994:RVS**

- [338] E. P. Gribomont and J. Hagelstein. Reactive variables for system specification and design. *Lecture Notes in Computer Science*, 775:275–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Regan:1994:NPV**

- [339] K. W. Regan. A new parallel vector model, with exact characterizations of  $NC^k$ . *Lecture Notes in Computer Science*, 775:289–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alvarez:1994:ADP**

- [340] C. Alvarez and B. Jenner. On adaptive dlogtime and polylogtime reductions. *Lecture Notes in Computer Science*, 775:301–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ogiwara:1994:NKA**

- [341] M. Ogiwara.  $NC^k(NP) = AC^{k-1}(NP)$ . *Lecture Notes in Computer Science*, 775:313–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arnold:1994:HS**

- [342] Andre Arnold. Hypertransition systems. *Lecture Notes in Computer Science*, 775:327–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Metivier:1994:SOF**

- [343] Y. Metivier and G. Richomme. On the star operation and the finite power property in free partially commutative monoids. *Lecture Notes in Computer Science*, 775:341–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bruyere:1994:CT**

- [344] V. Bruyere, C. De Felice, and G. Guiana. Coding with traces. *Lecture Notes in Computer Science*, 775:353–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giammarresi:1994:MSO**

- [345] D. Giammarresi, A. Restivo, S. Seibert, and W. Thomas. Monadic second-order logic over pictures and recognizability by tiling systems. *Lecture Notes in Computer Science*, 775:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Delest:1994:GRI**

- [346] M. Delest and J-Ph. Dubernard.  $q$ -grammars: Results, implementation. *Lecture Notes in Computer Science*, 775:377–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Karner:1994:TCS**

- [347] G. Karner. A topology for complete semirings. *Lecture Notes in Computer Science*, 775:389–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Book:1994:GPA**

- [348] R. V. Book, J. H. Lutz, and D. M. Martin. The global power of additional queries to random oracles. *Lecture Notes in Computer Science*, 775:403–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lutz:1994:CVK**

- [349] J. H. Lutz and E. Mayordomo. Cook versus Karp-Levin: Separating completeness notions if NP is not small. *Lecture Notes in Computer Science*, 775:415–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thierauf:1994:SBT**

- [350] Th. Thierauf, S. Toda, and O. Watanabe. On sets bounded truth-table reducible to P-selective sets. *Lecture Notes in Computer Science*, 775:427–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Selivanov:1994:TRP**

- [351] V. L. Selivanov. Two refinements of the polynomial hierarchy. *Lecture Notes in Computer Science*, 775:439–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vollmer:1994:DRN**

- [352] H. Vollmer. On different reducibility notions for function classes. *Lecture Notes in Computer Science*, 775:449–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Luby:1994:OPV**

- [353] M. Luby and W. Ertel. Optimal parallelization of Las Vegas algorithms. *Lecture Notes in Computer Science*, 775:463–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Datta:1994:EPA**

- [354] A. Datta. Efficient parallel algorithms for geometric  $k$ -clustering problems. *Lecture Notes in Computer Science*, 775:475–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maheshwari:1994:SOP**

- [355] A. Maheshwari and A. Lingas. A simple optimal parallel algorithm for reporting paths in a tree. *Lecture Notes in Computer Science*, 775:487–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Apostolico:1994:PDA**

- [356] A. Apostolico, D. Breslauer, and Z. Galil. Parallel detection of all palin-

dromes in a string. *Lecture Notes in Computer Science*, 775:497–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cai:1994:SPP**

- [357] L. Cai, J. Chen, R. Downey, and M. Fellows. On the structure of parameterized problems in NP. *Lecture Notes in Computer Science*, 775:509–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amaldi:1994:AFM**

- [358] E. Amaldi and V. Kann. On the approximability of finding maximum feasible subsystems of linear systems. *Lecture Notes in Computer Science*, 775:521–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Borchert:1994:APR**

- [359] B. Borchert. On the acceptance power of regular languages. *Lecture Notes in Computer Science*, 775:533–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hertrampf:1994:CCF**

- [360] U. Hertrampf. Complexity classes with finite acceptance types. *Lecture Notes in Computer Science*, 775:543–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parrow:1994:CAC**

- [361] J. Parrow and P. Sjodin. The complete axiomatization of cs-congruence. *Lecture Notes in Computer Science*, 775:557–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**vanOostrom:1994:TSS**

- [362] V. van Oostrom and E. P. de Vink. Transition system specifications in stalk format with bisimulation as a congruence. *Lecture Notes in Computer Science*, 775:569–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jancar:1994:DQB**

- [363] P. Jancar. Decidability questions for bisimilarity of Petri nets and some related problems. *Lecture Notes in Computer Science*, 775:581–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buntrock:1994:VMP**

- [364] G. Buntrock and K. Lorys. The variable membership problem: Succinctness versus complexity. *Lecture Notes in Computer Science*, 775:595–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klemm:1994:EDS**

- [365] A. Klemm and R. Weber. Economy of description for single-valued transducers. *Lecture Notes in Computer Science*, 775:607–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shallit:1994:APM**

- [366] J. Shallit and Y. Breitbart. Automaticity: Properties of a measure of descriptive complexity. *Lecture Notes in Computer Science*, 775:619–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harel:1994:TTR**

- [367] David Harel. Towards a theory of recursive structures. *Lecture Notes in Computer Science*, 775:633–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arimura:1994:FMG**

- [368] H. Arimura, T. Shinohara, and S. Otsubuki. Finding minimal generalizations for unions of pattern languages and its application to inductive inference from positive data. *Lecture Notes in Computer Science*, 775:649–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mateescu:1994:NP**

- [369] A. Mateescu and A. Salomaa. Nondeterminism in patterns. *Lecture Notes in Computer Science*, 775:661–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dancik:1994:UBE**

- [370] V. Paterson and M. Dancik. Upper bounds for the expected length of a longest common subsequence of two binary sequences. *Lecture Notes in Computer Science*, 775:669–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Petersen:1994:APW**

- [371] H. Petersen. The ambiguity of primitive words. *Lecture Notes in Computer Science*, 775:679–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lam:1994:CHN**

- [372] N. H. Lam. On codes having no finite completion. *Lecture Notes in Computer Science*, 775:691–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lipton:1994:NAI**

- [373] R. J. Lipton. A new approach to information theory. *Lecture Notes in Computer Science*, 775:699–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Le:1994:VDM**

- [374] N.-M. Le. On Voronoi diagrams in the  $L_p$ -metric in higher dimensions. *Lecture Notes in Computer Science*, 775:711–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kao:1994:TPA**

- [375] M.-Y. Kao. Total protection of analytic invariant information in cross tabulated tables. *Lecture Notes in Computer Science*, 775:723–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dragan:1994:DCG**

- [376] F. F. Dragan and A. Brandstadt. Dominating cliques in graphs with hypertree structure. *Lecture Notes in Computer Science*, 775:735–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Deogun:1994:VRP**

- [377] J. S. Deogun, T. Kloks, D. Kratsch, and H. Muller. On vertex ranking for

permutation and other graphs. *Lecture Notes in Computer Science*, 775: 747–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kloks:1994:FAM**

- [378] T. Kloks and D. Kratsch. Finding all minimal separators of a graph. *Lecture Notes in Computer Science*, 775: 759–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bodlaender:1994:CMC**

- [379] H. L. Bodlaender and K. Jansen. On the complexity of the maximum cut problem. *Lecture Notes in Computer Science*, 775:769–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aizawa:1994:PCG**

- [380] K. Aizawa and A. Nakamura. Path-controlled graph grammars for multiresolution image processing and analysis. *Lecture Notes in Computer Science*, 776:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andries:1994:SSH**

- [381] M. Andries and G. Engels. Syntax and semantics of hybrid database languages. *Lecture Notes in Computer Science*, 776:19–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arnborg:1994:DHD**

- [382] S. Arnborg. Decomposability helps for deciding logics of knowledge and belief. *Lecture Notes in Computer*

*Science*, 776:37–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barendsen:1994:EGR**

- [383] E. Barendsen and S. Smetsers. Extending graph rewriting with copying. *Lecture Notes in Computer Science*, 776: 51–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barthelmann:1994:GGG**

- [384] K. Barthelmann and G. Schied. Graph-grammar semantics of a higher-order programming language for distributed systems. *Lecture Notes in Computer Science*, 776:71–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corradini:1994:AGD**

- [385] A. Corradini, H. Ehrig, M. Lowe, U. Montanari, and F. Rossi. Abstract graph derivations in the double pushout approach. *Lecture Notes in Computer Science*, 776:86–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corradini:1994:NSR**

- [386] A. Corradini, H. Ehrig, M. Lowe, U. Montanari, and F. Rossi. Note on standard representation of graphs and graph derivations. *Lecture Notes in Computer Science*, 776:104–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corradini:1994:JRA**

- [387] A. Corradini and D. Wolz. Jungle rewriting: an abstract description of a lazy narrowing machine. *Lecture*

*Notes in Computer Science*, 776:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Courcelle:1994:RSG**

- [388] B. Courcelle and J. Lagergren. Recognizable sets of graphs of bounded tree-width. *Lecture Notes in Computer Science*, 776:138–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ehrig:1994:CDH**

- [389] H. Ehrig, H.-J. Kreowski, and G. Taentzer. Canonical derivations for high-level replacement systems. *Lecture Notes in Computer Science*, 776:153–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gemis:1994:CMG**

- [390] M. Gemis, J. Paredaens, P. Peelman, and J. Van den Bussche. A computational model for generic graph functions. *Lecture Notes in Computer Science*, 776:170–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grabska:1994:GD**

- [391] E. Grabska. Graphs and designing. *Lecture Notes in Computer Science*, 776:188–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Janssens:1994:ESC**

- [392] D. Janssens. ESM systems and the composition of their computations. *Lecture Notes in Computer Science*, 776:203–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kawahara:1994:RST**

- [393] Y. Kawahara and Y. Mizoguchi. Relational structures and their partial morphisms in view of single pushout rewriting. *Lecture Notes in Computer Science*, 776:218–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Korff:1994:SPT**

- [394] M. Korff. Single pushout transformations of equationally defined graph structures with applications to actor systems. *Lecture Notes in Computer Science*, 776:234–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lowe:1994:PSP**

- [395] M. Lowe and J. Dingel. Parallelism in single-pushout graph rewriting. *Lecture Notes in Computer Science*, 776:248–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maggiolo-Schettini:1994:SFS**

- [396] A. Maggiolo-Schettini and A. Peron. Semantics of full statecharts based on graph rewriting. *Lecture Notes in Computer Science*, 776:265–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Montanari:1994:CON**

- [397] U. Montanari and F. Rossi. Contextual occurrence nets and concurrent constraint programming. *Lecture Notes in Computer Science*, 776:280–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nagl:1994:UMG**

- [398] M. Nagl. Uniform-modelling in graph grammar specifications. *Lecture Notes in Computer Science*, 776:296–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Raoult:1994:STG**

- [399] J.-C. Raoult and F. Voisin. Set-theoretic graph rewriting. *Lecture Notes in Computer Science*, 776:312–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schied:1994:RRS**

- [400] G. Schied. On relating rewriting systems and graph grammars to event structures. *Lecture Notes in Computer Science*, 776:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schurr:1994:LBS**

- [401] A. Schurr. Logic based structure rewriting systems. *Lecture Notes in Computer Science*, 776:341–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Smetsers:1994:GSD**

- [402] S. Smetsers, E. Barendsen, M. v. Eekelen, and R. Plasmeijer. Guaranteeing safe destructive updates through a type system with uniqueness information for graphs. *Lecture Notes in Computer Science*, 776:358–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Taentzer:1994:AGT**

- [403] G. Taentzer and M. Beyer. Amalgamated graph transformations and their use for specifying AGG — an algebraic graph grammar system. *Lecture Notes in Computer Science*, 776:380–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Walter:1994:CSD**

- [404] B. Walter and S. Benzschawel. Complex structures in (deductive) database systems: Variables and open property sets. *Lecture Notes in Computer Science*, 777:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lipeck:1994:OOS**

- [405] U. W. Lipeck and S. Brass. Object-oriented system specification using defaults. *Lecture Notes in Computer Science*, 777:22–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Burckert:1994:TR**

- [406] H.-J. Burckert. Terminologies and rules. *Lecture Notes in Computer Science*, 777:44–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Scholl:1994:ETB**

- [407] M. H. Scholl and M. Tresch. Evolution towards, in, and beyond object databases. *Lecture Notes in Computer Science*, 777:64–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Eiter:1994:EPC**

- [408] T. Eiter, G. Gottlob, and H. Man-  
nila. Expressive power and complex-  
ity of disjunctive datalog under the sta-  
ble model semantics. *Lecture Notes  
in Computer Science*, 777:83–??, 1994.  
CODEN LNCSD9. ISSN 0302-9743  
(print), 1611-3349 (electronic).

**Nebel:1994:MQT**

- [409] B. Nebel and H.-J. Burckert. Man-  
aging qualitative temporal information:  
Expressiveness vs. complexity. *Lecture  
Notes in Computer Science*, 777:104–  
??, 1994. CODEN LNCSD9. ISSN  
0302-9743 (print), 1611-3349 (elec-  
tronic).

**Kiebling:1994:DRD**

- [410] W. Kiebling and U. Guntzer. Database  
reasoning — A deductive framework  
for solving large and complex prob-  
lems by means of subsumption. *Lec-  
ture Notes in Computer Science*, 777:  
118–??, 1994. CODEN LNCSD9. ISSN  
0302-9743 (print), 1611-3349 (elec-  
tronic).

**Furbach:1994:TRF**

- [411] U. Furbach. Theory reasoning in  
first order calculi. *Lecture Notes in  
Computer Science*, 777:139–??, 1994.  
CODEN LNCSD9. ISSN 0302-9743  
(print), 1611-3349 (electronic).

**Saake:1994:MIS**

- [412] G. Saake and T. Hartmann. Mod-  
elling information systems as object so-  
cieties. *Lecture Notes in Computer  
Science*, 777:157–??, 1994. CODEN  
LNCSD9. ISSN 0302-9743 (print),  
1611-3349 (electronic).

**Wielinga:1994:CML**

- [413] B. J. Wielinga and A. T. Schreiber.  
Conceptual modelling of large reusable  
knowledge bases. *Lecture Notes in  
Computer Science*, 777:181–??, 1994.  
CODEN LNCSD9. ISSN 0302-9743  
(print), 1611-3349 (electronic).

**Jarke:1994:TIE**

- [414] M. Jarke, H. W. Nissen, and K. Pohl.  
Tool integration in evolving informa-  
tion systems environments. *Lecture  
Notes in Computer Science*, 777:201–  
??, 1994. CODEN LNCSD9. ISSN  
0302-9743 (print), 1611-3349 (elec-  
tronic).

**Hartmanis:1994:ITA**

- [415] J. Hartmanis and S. Chari. On the in-  
tellectual terrain around NP. *Lecture  
Notes in Computer Science*, 778:1–??,  
1994. CODEN LNCSD9. ISSN 0302-  
9743 (print), 1611-3349 (electronic).

**Garg:1994:AGD**

- [416] A. Garg and R. Tamassia. Advances  
in graph drawing. *Lecture Notes in  
Computer Science*, 778:12–??, 1994.  
CODEN LNCSD9. ISSN 0302-9743  
(print), 1611-3349 (electronic).

**Sahinalp:1994:PAM**

- [417] S. C. Sahinalp and U. Vishkin. On  
a parallel-algorithms method for string  
matching problems. *Lecture Notes in  
Computer Science*, 778:22–??, 1994.  
CODEN LNCSD9. ISSN 0302-9743  
(print), 1611-3349 (electronic).

**Yannakakis:1994:SOP**

- [418] M. Yannakakis. Some open prob-  
lems in approximation. *Lecture Notes*

in *Computer Science*, 778:33–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alimonti:1994:NLS**

- [419] P. Alimonti. New local search approximation techniques for maximum generalized satisfiability problems. *Lecture Notes in Computer Science*, 778:40–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bergadano:1994:LBA**

- [420] F. Bergadano and S. Varricchio. Learning behaviors of automata from multiplicity and equivalence queries. *Lecture Notes in Computer Science*, 778:54–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bernasconi:1994:MBF**

- [421] A. Bernasconi and B. Codenotti. Measures of Boolean function complexity based on harmonic analysis. *Lecture Notes in Computer Science*, 778:63–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clementi:1994:GTI**

- [422] A. Clementi and R. Impagliazzo. Graph theory and interactive protocols for reachability problems on finite cellular automata. *Lecture Notes in Computer Science*, 778:73–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dekel:1994:PPD**

- [423] E. Dekel and J. Hu. Parallel pruning decomposition (PDS) and biconnected components of graphs. *Lecture Notes in Computer Science*, 778:91–??,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DiCrescenzo:1994:NIE**

- [424] G. Di Crescenzo. A non-interactive electronic cash system. *Lecture Notes in Computer Science*, 778:109–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Even:1994:USR**

- [425] S. Even and A. Litman. A unified scheme for routing in expander based networks. *Lecture Notes in Computer Science*, 778:125–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Frigioni:1994:DBF**

- [426] D. Frigioni, A. Marchetti-Spaccamela, and U. Nanni. Dynamization of backtrack-free search for the constraint satisfaction problem. *Lecture Notes in Computer Science*, 778:136–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hofri:1994:ERB**

- [427] M. Hofri and H. Shachnai. Efficient reorganization of binary search trees. *Lecture Notes in Computer Science*, 778:152–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Israeli:1994:TMT**

- [428] A. Israeli, E. Kranakis, D. Krizanc, and N. Santoro. Time-message trade-offs for the weak unison problem. *Lecture Notes in Computer Science*, 778:167–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lam:1994:SET**

- [429] T. W. Lam and K. H. Lee. On set equality-testing. *Lecture Notes in Computer Science*, 778:179–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Monti:1994:CSR**

- [430] A. Monti and A. Roncato. On the complexity of some reachability problems. *Lecture Notes in Computer Science*, 778:192–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mundhenk:1994:SRS**

- [431] M. Mundhenk. On self-reducible sets of low information content. *Lecture Notes in Computer Science*, 778:203–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rub:1994:LBM**

- [432] C. Rub. Lower bounds for merging on the hypercube. *Lecture Notes in Computer Science*, 778:213–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stone:1994:OMG**

- [433] C. M. Stone. The object management group: Standardization of object technology. *Lecture Notes in Computer Science*, 779:1, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Herbert:1994:DDS**

- [434] A. Herbert. Databases in distributed systems: The new frontier. *Lecture Notes in Computer Science*, 779:2–6,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agrawal:1994:TDU**

- [435] R. Agrawal and L. G. Demichiel. Type derivation using the projection operation. *Lecture Notes in Computer Science*, 779:7–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buchheit:1994:SBQ**

- [436] M. Buchheit, M. A. Jeusfeld, W. Nutt, and M. Staudt. Subsumption between queries to object-oriented databases. *Lecture Notes in Computer Science*, 779:15–22, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pirahesh:1994:COV**

- [437] H. Pirahesh, B. Mitschang, N. Südkamp, and B. Lindsay. Composite-object views in relational DBMS: An implementation perspective. *Lecture Notes in Computer Science*, 779:23–30, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cicchetti:1994:MRS**

- [438] R. Cicchetti and L. Lakhal. Matrix relation for statistical database management. *Lecture Notes in Computer Science*, 779:31–44, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Consens:1994:DDS**

- [439] M. P. Consens, A. O. Mendelzon, and D. Vista. Deductive database support for data visualization. *Lecture Notes in Computer Science*, 779:45–58, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Somogyi:1994:SFB**

- [440] Z. Somogyi, D. Kemp, J. Harland, and K. Ramamohanarao. Subsumption-free bottom-up evaluation of logic programs with partially instantiated data structures. *Lecture Notes in Computer Science*, 779:59–72, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Miller:1994:SEH**

- [441] R. J. Miller, Y. E. Ioannidis, and R. Ramakrishnan. Schema equivalence in heterogeneous systems: Bridging theory and practice. *Lecture Notes in Computer Science*, 779:73–80, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DosSantos:1994:VSB**

- [442] C. S. Dos Santos, S. Abiteboul, and C. Delobel. Virtual schemas and bases. *Lecture Notes in Computer Science*, 779:81–94, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Scheuermann:1994:RBQ**

- [443] P. Scheuermann and E. I. Chong. Role-based query processing in multi-database systems. *Lecture Notes in Computer Science*, 779:95–108, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sheldon:1994:CRD**

- [444] M. A. Sheldon, A. Duda, R. Weiss, J. W. O’Toole, and D. K. Gifford. Content routing for distributed information servers. *Lecture Notes in Computer*

*Science*, 779:109–122, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alonso:1994:UAC**

- [445] G. Alonso, R. Vingralek, D. Agrawal, Y. Breitbart, A. El Abbadi, H. Schek, and G. Weikum. A unified approach to concurrency control and transaction recovery. *Lecture Notes in Computer Science*, 779:123–130, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mohan:1994:AFS**

- [446] C. Mohan and D. Haderle. Algorithms for flexible space management in transaction systems supporting fine-granularity locking. *Lecture Notes in Computer Science*, 779:131–144, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bober:1994:IAM**

- [447] P. M. Bober and M. J. Carey. Indexing alternatives for multiversion locking. *Lecture Notes in Computer Science*, 779:145–158, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Petrounias:1994:RBA**

- [448] I. Petrounias and P. Loucopoulos. A rule-based approach for the design and implementation of information systems. *Lecture Notes in Computer Science*, 779:159–172, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Morsi:1994:BSE**

- [449] M. M. A. Morsi, S. B. Navathe, and J. Shilling. On behavioral schema

evolution in object-oriented databases. *Lecture Notes in Computer Science*, 779:173–186, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nixon:1994:RUP**

- [450] B. A. Nixon. Representing and using performance requirements during the development of information systems. *Lecture Notes in Computer Science*, 779:187–200, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Qian:1994:MTS**

- [451] X. Qian. A model-theoretic semantics of the multilevel relational model. *Lecture Notes in Computer Science*, 779:201–214, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clifford:1994:SBT**

- [452] J. Clifford and T. Isakowitz. On the semantics of (bi)temporal variable databases. *Lecture Notes in Computer Science*, 779:215–230, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Formica:1994:CIH**

- [453] A. Formica and M. Missikoff. Correctness of ISA hierarchies in object-oriented database schemas. *Lecture Notes in Computer Science*, 779:231–244, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Imielinski:1994:PEF**

- [454] T. Imielinski, S. Viswanathan, and B. R. Badrinath. Power efficient filter-

ing of data on air. *Lecture Notes in Computer Science*, 779:245–258, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hjelsvold:1994:VIC**

- [455] R. Hjelsvold. Video information contents and architecture. *Lecture Notes in Computer Science*, 779:259–272, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:OSO**

- [456] L. T. Chen and D. Rotem. Optimizing storage of objects on mass storage systems with robotic devices. *Lecture Notes in Computer Science*, 779:273–286, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Swami:1994:EJR**

- [457] A. Swami and K. B. Schiefer. On the estimation of join result sizes. *Lecture Notes in Computer Science*, 779:287–300, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhao:1994:DDB**

- [458] X. Zhao, R. G. Johnson, and N. J. Martin. DBJ — A dynamic balancing hash join algorithm in multiprocessor database systems. *Lecture Notes in Computer Science*, 779:301–308, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Morzy:1994:TSO**

- [459] T. Morzy, M. Matysiak, and S. Salza. Tabu search optimization of large join queries. *Lecture Notes in Computer Science*, 779:309–322, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:IPE**

- [460] C. M. Chen and N. Roussopoulos. The implementation and performance evaluation of the ADMS query optimizer: Integrating query result caching and matching. *Lecture Notes in Computer Science*, 779:323–336, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Steenhagen:1994:ONQ**

- [461] H. J. Steenhagen, P. M. G. Apers, and H. M. Blanken. Optimization of nested queries in a complex object model. *Lecture Notes in Computer Science*, 779:337–350, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gerlhof:1994:MTA**

- [462] C. A. Gerlhof and A. Kemper. A multi-threaded architecture for prefetching in object bases. *Lecture Notes in Computer Science*, 779:351–364, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brown:1994:SFT**

- [463] E. W. Brown, J. P. Callan, W. B. Croft, and J. E. B. Moss. Supporting full-text information retrieval with a persistent object store. *Lecture Notes in Computer Science*, 779:365–378, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Panagopoulos:1994:BSS**

- [464] G. Panagopoulos and C. Faloutsos. Bit-sliced signature files for very large text

databases on a parallel machine architecture. *Lecture Notes in Computer Science*, 779:379–392, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goble:1994:STS**

- [465] C. Goble and P. Crowther. Schemas for telling stories in medical records. *Lecture Notes in Computer Science*, 779:393–406, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andersen:1994:PVU**

- [466] F. Andersen, K. D. Petersen, and J. S. Pettersson. Program verification using HOL-UNITY. *Lecture Notes in Computer Science*, 780:1–15, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Petersen:1994:GML**

- [467] K. D. Petersen. Graph model of LAMBDA in higher order logic. *Lecture Notes in Computer Science*, 780:16–28, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1994:MPL**

- [468] C. Zhang, R. Shaw, R. Olsson, and K. Levitt. Mechanizing a programming logic for the concurrent programming language microSR in HOL. *Lecture Notes in Computer Science*, 780:29–42, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Syme:1994:RFD**

- [469] D. Syme. Reasoning with the formal definition of Standard ML in HOL. *Lecture Notes in Computer Science*, 780:43–58, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roxas:1994:HPR**

**VanInwegen:1994:HM**

- [470] M. VanInwegen and E. Gunter. HOL-ML. *Lecture Notes in Computer Science*, 780:59–72, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [475] R. Roxas. A HOL package for reasoning about relations defined by mutual induction. *Lecture Notes in Computer Science*, 780:127–139, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goossens:1994:SBH**

- [471] K. Goossens. Structure and behaviour in hardware verification. *Lecture Notes in Computer Science*, 780:73–86, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gunter:1994:BCT**

- [476] E. Gunter. A broader class of trees for recursive type definitions for HOL. *Lecture Notes in Computer Science*, 780:140–153, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Angelo:1994:DFS**

- [472] C. M. Angelo, L. Claesen, and H. De Man. Degrees of formality in shallow embedding hardware description languages in HOL. *Lecture Notes in Computer Science*, 780:87–98, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parnas:1994:STW**

- [477] D. Parnas. Some theorems we should prove. *Lecture Notes in Computer Science*, 780:154–161, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eisenbiegler:1994:FAF**

- [473] D. Eisenbiegler, K. Schneider, and R. Kumar. A functional approach for formalizing regular hardware structures. *Lecture Notes in Computer Science*, 780:99–112, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rushby:1994:UPP**

- [478] J. Rushby and M. Srivas. Using PVS to prove some theorems of David Parnas. *Lecture Notes in Computer Science*, 780:162–173, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**They:1994:PDS**

- [474] L. They. A proof development system for HOL. *Lecture Notes in Computer Science*, 780:113–126, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harrison:1994:EHT**

- [479] J. Harrison and L. They. Extending the HOL theorem prover with a computer algebra system to reason about the reals. *Lecture Notes in Computer Science*, 780:174–184, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Joyce:1994:HVS**

- [480] J. Joyce and C. Seger. The HOL-Voss system: Model-checking inside a general-purpose theorem-prover. *Lecture Notes in Computer Science*, 780:185–198, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lu:1994:LHV**

- [481] J. Lu and S. Chin. Linking HOL to a VLSI CAD system. *Lecture Notes in Computer Science*, 780:199–212, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schneider:1994:APP**

- [482] K. Schneider, R. Kumar, and T. Kropf. Alternative proof procedures for finite-state machines in higher-order logic. *Lecture Notes in Computer Science*, 780:213–226, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McIsaac:1994:FAL**

- [483] A. McIsaac. A formalization of abstraction in LAMBDA. *Lecture Notes in Computer Science*, 780:227–238, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arora:1994:RUM**

- [484] T. Arora, T. Leung, K. Levitt, and T. Schubert. Report on the UCD microcoded viper verification project. *Lecture Notes in Computer Science*, 780:239–252, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhu:1994:VTM**

- [485] Z. Zhu, J. Joyce, and C. Seger. Verification of the Tamarack-3 microprocessor in a hybrid verification environment. *Lecture Notes in Computer Science*, 780:253–266, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fura:1994:ATM**

- [486] D. A. Fura, P. J. Windley, and A. K. Somani. Abstraction techniques for modeling real-world interface chips. *Lecture Notes in Computer Science*, 780:267–280, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tahar:1994:IMF**

- [487] S. Tahar and R. Kumar. Implementing a methodology for formally verifying RISC processors in HOL. *Lecture Notes in Computer Science*, 780:281–294, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agerholm:1994:DTH**

- [488] S. Agerholm. Domain theory in HOL. *Lecture Notes in Computer Science*, 780:295–309, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chou:1994:PTL**

- [489] C.-T. Chou. Predicates, temporal logic, and simulations. *Lecture Notes in Computer Science*, 780:310–323, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Prasetya:1994:FVA**

- [490] W. Prasetya. Formalization of variables access constraints to support compositionality of liveness properties. *Lecture Notes in Computer Science*, 780:324–337, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Day:1994:SSH**

- [491] N. Day and J. Joyce. The semantics of statecharts in HOL. *Lecture Notes in Computer Science*, 780:338–351, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nesi:1994:VPC**

- [492] M. Nesi. Value-passing CCS in HOL. *Lecture Notes in Computer Science*, 780:352–365, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andrews:1994:TIA**

- [493] P. Andrews, M. Bishop, S. Issar, and D. Nesmith. TPS: An interactive and automatic tool for proving theorems of type theory. *Lecture Notes in Computer Science*, 780:366–371, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wong:1994:MBV**

- [494] W. Wong. Modelling bit vectors in HOL: the word library. *Lecture Notes in Computer Science*, 780:372–385, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schneider:1994:EHO**

- [495] K. Schneider, R. Kumar, and T. Kropf. Eliminating higher-order quantifiers to

obtain decision procedures for hardware verification. *Lecture Notes in Computer Science*, 780:386–399, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aagaard:1994:TSD**

- [496] M. Aagaard, M. Leeser, and P. Windley. Toward a super duper hardware tactic. *Lecture Notes in Computer Science*, 780:400–413, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gordon:1994:MNC**

- [497] A. Gordon. A mechanisation of name-carrying syntax up to alpha-conversion. *Lecture Notes in Computer Science*, 780:414–426, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harrison:1994:HDP**

- [498] J. Harrison. A HOL decision procedure for elementary real algebra. *Lecture Notes in Computer Science*, 780:427–437, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Slind:1994:AUH**

- [499] K. Slind. AC unification in HOL90. *Lecture Notes in Computer Science*, 780:438–450, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brackin:1994:SPR**

- [500] S. Brackin and S.-K. Chin. Server-process restrictiveness in HOL. *Lecture Notes in Computer Science*, 780:451–464, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Morley:1994:SRS**

- [501] M. J. Morley. Safety in railway signalling data: A behavioural analysis. *Lecture Notes in Computer Science*, 780:465–475, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prasetya:1994:SMP**

- [502] W. Prasetya. On the style of mechanical proving. *Lecture Notes in Computer Science*, 780:476–489, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rajan:1994:ADT**

- [503] S. Rajan, J. Joyce, and C. Seger. From abstract data types to shift registers: A case study in formal specification and verification at differing levels of abstraction using theorem proving and symbolic simulation. *Lecture Notes in Computer Science*, 780:490–501, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carreno:1994:VHO**

- [504] V. Carreno. Verification in higher order logic of mutual exclusion algorithm. *Lecture Notes in Computer Science*, 780:502–515, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kalvala:1994:UIP**

- [505] S. Kalvala. Using Isabelle to prove simple theorems. *Lecture Notes in Computer Science*, 780:516–517, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lampson:1994:ICA**

- [506] Butler W. Lampson. Interconnecting computers: Architecture, technology, and economics. *Lecture Notes in Computer Science*, 782:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graham:1994:LIS**

- [507] Susan Graham. Languages and interactive software development. *Lecture Notes in Computer Science*, 782:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**vandeSnepscheut:1994:MSS**

- [508] Jan L. A. van de Snepscheut. Mechanized support for stepwise refinement. *Lecture Notes in Computer Science*, 782:35–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoare:1994:HSC**

- [509] C. A. R. Hoare and Innes Page. Hardware and software: The closing gap. *Lecture Notes in Computer Science*, 782:49–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vuillemin:1994:CP**

- [510] Jean E. Vuillemin. On computing power. *Lecture Notes in Computer Science*, 782:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moyer:1994:IMB**

- [511] Sally A. Moyer, Steven A. McKee, William A. Wulf, and Charles Hitchcock. Increasing memory bandwidth

for vector computations. *Lecture Notes in Computer Science*, 782:87–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benitez:1994:AMD**

- [512] Manuel E. Benitez and Jack W. Davidson. The advantages of machine-dependent global optimization. *Lecture Notes in Computer Science*, 782:105–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ambrosch:1994:DCG**

- [513] Wolfgang Ambrosch, M. Anton Ertl, Felix Beer, and Andreas Krall. Dependence-conscious global register allocation. *Lecture Notes in Computer Science*, 782:129–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corney:1994:TTE**

- [514] Diane Corney and John Gough. Type test elimination using typeflow analysis. *Lecture Notes in Computer Science*, 782:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chrobot:1994:WCP**

- [515] Stanislaw Chrobot. Where concurrent processes originate. *Lecture Notes in Computer Science*, 782:151–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jagannathan:1994:HLA**

- [516] Suresh Jagannathan and James Philbin. High-level abstractions for efficient concurrent systems. *Lecture*

*Notes in Computer Science*, 782:171–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Spinellis:1994:LAP**

- [517] Diomidis Spinellis, Sophia Drossopoulou, and Susan Eisenbach. Language and architecture paradigms as object classes: A unified approach towards multiparadigm programming. *Lecture Notes in Computer Science*, 782:191–207, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Szyperski:1994:EPL**

- [518] Clemens A. Szyperski, Stephen Omohundro, and Stephan Murer. Engineering a programming language: The type and class system of sather. *Lecture Notes in Computer Science*, 782:208–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Didrich:1994:ODI**

- [519] Klaus Didrich, Andreas Fett, Carola Gerke, Wolfgang Grieskamp, and Peter Pepper. OPAL: Design and implementation of an algebraic programming language. *Lecture Notes in Computer Science*, 782:228–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cohn:1994:AIS**

- [520] Alan G. Cohn and David L. Yoder. Architectural issues in spreadsheet languages. *Lecture Notes in Computer Science*, 782:245–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Franz:1994:TST**

- [521] Michael Franz. Technological steps toward a software component industry. *Lecture Notes in Computer Science*, 782:259–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Collberg:1994:DHL**

- [522] Christian S. Collberg. Distributed high-level module binding for flexible encapsulation and fast inter-modular optimization. *Lecture Notes in Computer Science*, 782:282–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Radenski:1994:OSP**

- [523] Atanas Radenski. Is Oberon as simple as possible? A smaller object-oriented language based on the concept of module type. *Lecture Notes in Computer Science*, 782:298–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Naumann:1994:EO**

- [524] David A. Naumann. On the essence of oberon. *Lecture Notes in Computer Science*, 782:313–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lalis:1994:ACO**

- [525] Spiros Lalis and Beverly A. Sanders. Adding concurrency to the Oberon system. *Lecture Notes in Computer Science*, 782:328–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goodman:1994:PC**

- [526] D. J. Goodman. Personal communications. *Lecture Notes in Computer Science*, 783:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mouly:1994:EG**

- [527] M. Mouly and M.-B. Pautet. The evolution of GSM. *Lecture Notes in Computer Science*, 783:13–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Merakos:1994:IDT**

- [528] L. F. Merakos and F. Li. Integrating data traffic in Enhanced-TDMA digital cellular systems. *Lecture Notes in Computer Science*, 783:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baiocchi:1994:GDC**

- [529] A. Baiocchi, F. Delli Priscoli, F. Grilli, and F. Sestini. The geometric dynamic channel allocation strategy for high traffic FDM/TDMA mobile communications networks. *Lecture Notes in Computer Science*, 783:33–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hussmann:1994:PED**

- [530] H. Hussmann. Performance evaluation of the DECT radio resource management. *Lecture Notes in Computer Science*, 783:45–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Padovani:1994:CCC**

- [531] R. Padovani. The capacity of CDMA cellular: Reverse link field test results. *Lecture Notes in Computer Science*, 783:56–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Siveski:1994:AMD**

- [532] Z. Siveski, Y. Bar-Ness, and D. W. Chen. Adaptive multiuser detector for synchronous code division multiple access applications. *Lecture Notes in Computer Science*, 783:67–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cideciyan:1994:CCS**

- [533] R. D. Cideciyan and E. Eleftheriou. Concatenated coding scheme for reliable data transmission in CDMA cellular systems. *Lecture Notes in Computer Science*, 783:76–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Naguib:1994:PCC**

- [534] A. F. Naguib and A. Paulraj. Performance of CDMA cellular networks with base-station antenna arrays. *Lecture Notes in Computer Science*, 783:87–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ghareeb:1994:JFP**

- [535] I. Ghareeb and A. Yongacoglu. Joint frequency-phase modulation over Rayleigh fading channels. *Lecture Notes in Computer Science*, 783:101–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lapidoth:1994:CCF**

- [536] A. Lapidoth. Convolutional codes and finite interleavers for the block erasure channel. *Lecture Notes in Computer Science*, 783:113–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mayr:1994:FRH**

- [537] B. Mayr and H. Weinrichter. Fractional-rate hybrid PSK-TCM codes for the Rayleigh fading channel. *Lecture Notes in Computer Science*, 783:121–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cacopardi:1994:ICD**

- [538] S. Cacopardi, F. Frescura, and G. Reali. Increased capacity of DS-CDMA mobile systems on frequency-selective slow fading channels. *Lecture Notes in Computer Science*, 783:131–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Drakul:1994:DPD**

- [539] S. L. Drakul and E. Biglieri. Design and performance of an 8-dimensional modulation scheme. *Lecture Notes in Computer Science*, 783:141–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Patel:1994:ASI**

- [540] P. R. Patel and J. M. Holtzman. Analysis of successive interference cancellation in M-ary orthogonal DS-CDMA system with single path Rayleigh fading. *Lecture Notes in Computer Science*, 783:150–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Levi:1994:SRC**

- [541] L. Levi, F. Muratore, and G. Romano. Simulation results for a CDMA interference cancellation technique in a Rayleigh fading channel. *Lecture Notes in Computer Science*, 783:162–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wichman:1994:MMD**

- [542] R. Wichman, J. Lilleberg, and Y. Neuvo. Matched median detectors for synchronous direct-sequence multiple-access communications. *Lecture Notes in Computer Science*, 783:172–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blanz:1994:CSE**

- [543] J. Blanz, A. Klein, M. Nabhan, and A. Steil. Cellular spectrum efficiency of a joint detection C/TDMA mobile radio system. *Lecture Notes in Computer Science*, 783:184–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Suzuki:1994:MSD**

- [544] T. Suzuki and T. Mizuno. Multiple-symbol differential detection scheme for differential amplitude modulation. *Lecture Notes in Computer Science*, 783:196–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wautier:1994:PCF**

- [545] A. Wautier, J.-C. Dany, and C. Mourot. Phase-correcting filter for sub-optimal equalizers. *Lecture Notes in Computer*

*Science*, 783:208–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Valdovinos:1994:PAE**

- [546] A. Valdovinos and F. J. Casadevall. Performance of adaptive equalization in typical indoor environments including non-linear power amplifiers. *Lecture Notes in Computer Science*, 783:219–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nogami:1994:NEP**

- [547] H. Nogami and G. L. Stuber. New error probability upper bound on maximum likelihood sequence estimation for intersymbol interference channels. *Lecture Notes in Computer Science*, 783:230–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schramm:1994:BEP**

- [548] P. Schramm. Bit error probability of a rapidly-adapting rake receiver as a function of dwell time. *Lecture Notes in Computer Science*, 783:242–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Strom:1994:NFR**

- [549] E. G. Strom, S. Parkvall, and B. E. Ottersten. Near-far resistant propagation delay estimators for asynchronous direct-sequence code division multiple access systems. *Lecture Notes in Computer Science*, 783:251–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gfeller:1994:DCP**

- [550] F. R. Gfeller, P. Bernasconi, W. Hirt, C. Elisii, and B. Weiss. Dynamic cell planning for wireless infrared in-house data transmission. *Lecture Notes in Computer Science*, 783:261–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hashemi:1994:FRM**

- [551] H. Hashemi, G. Yun, M. Kavehrad, F. Behbahani, and P. Galko. Frequency response measurements of the wireless indoor channel at infrared optics. *Lecture Notes in Computer Science*, 783:273–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lomba:1994:PLI**

- [552] C. R. A. T. Lomba, R. T. Valadas, and A. M. de Oliveira Duarte. Propagation losses and impulse response of the indoor optical channel: A simulation package. *Lecture Notes in Computer Science*, 783:285–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McCullagh:1994:MOW**

- [553] M. J. McCullagh, D. R. Wisely, P. L. Eardley, and P. P. Smyth. A 50 mbit/s optical wireless LAN link using novel optical and electronic enabling technologies. *Lecture Notes in Computer Science*, 783:298–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sorbara:1994:PCG**

- [554] D. Sorbara and M. Visintin. Performance comparison of GMSK and  $\pi/4$ -

DQPSK modulations in a mobile radio environment. *Lecture Notes in Computer Science*, 783:310–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bennett:1994:EMP**

- [555] D. W. Bennett, P. B. Kenington, and R. J. Wilkinson. The effect of modulation on the power rating of multi-channel linear amplifiers. *Lecture Notes in Computer Science*, 783:322–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blanke:1994:SGD**

- [556] G. Blanke. Simulation of GSM data channels in a safety critical railway environment. *Lecture Notes in Computer Science*, 783:334–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Janssen:1994:MBE**

- [557] G. J. M. Janssen, P. A. Stigter, and R. Prasad. A model for BER evaluation of indoor frequency selective channels using multipath measurement results at 2.4, 4.75 and 11.5 GHz. *Lecture Notes in Computer Science*, 783:344–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kattenbach:1994:MBE**

- [558] R. Kattenbach and H. Fruchting. Measuring bit errors, clock errors and their burst characteristics in mobile communication systems. *Lecture Notes in Computer Science*, 783:356–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ariyavisitakul:1994:PDF**

- [559] S. Ariyavisitakul. Performance of dynamic feedback power control in a TDMA radio system. *Lecture Notes in Computer Science*, 783:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saunders:1994:PCR**

- [560] R. Saunders and L. Lopes. Performance of cellular radio systems with power control in varying shadow fading environments. *Lecture Notes in Computer Science*, 783:376–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zorzi:1994:PCF**

- [561] M. Zorzi and L. B. Milstein. Power control on the forward link in cellular CDMA. *Lecture Notes in Computer Science*, 783:391–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeGaudenzi:1994:PAC**

- [562] R. De Gaudenzi and F. Giannetti. Performance analysis of a CDMA-based satellite-mobile audio broadcasting system. *Lecture Notes in Computer Science*, 783:400–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berruto:1994:RPA**

- [563] E. Berruto, T. Brannlund, J. Gustafsson, D. Maiwald, W. Schott, and P. Whitworth. Radio protocol architecture of the CODIT UMTS system. *Lecture Notes in Computer Science*, 783:417–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cygan:1994:RIA**

- [564] D. Cygan, F. David, H. J. Eul, J. Hofmann, N. Metzner, and W. Mohr. RACE-II advanced TDMA mobile access project — an approach for UMTS. *Lecture Notes in Computer Science*, 783:428–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vandendorpe:1994:MSS**

- [565] L. Vandendorpe. Multitone spread spectrum communication systems in a multipath rician fading channel. *Lecture Notes in Computer Science*, 783:440–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zorzi:1994:SAC**

- [566] M. Zorzi and R. R. Rao. Slotted ALOHA with capture in a mobile radio environment. *Lecture Notes in Computer Science*, 783:452–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vvedenskaya:1994:IPM**

- [567] N. D. Vvedenskaya, J. C. Arnbak, and B. S. Tsybakov. Improved performance of mobile data networks using stack algorithms and receiver capture. *Lecture Notes in Computer Science*, 783:464–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Babich:1994:CRM**

- [568] F. Babich. Contention resolution multiple access techniques for handling speech and data traffic on wireless networks. *Lecture Notes in Computer*



*Science*, 783:476–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ketseoglou:1994:CGS**

- [569] T. Ketseoglou. Certain generalizations on the slotted collision channel without feedback. *Lecture Notes in Computer Science*, 783:488–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baumberger:1994:MIS**

- [570] W. Baumberger and H. Kaufmann. Monolithic integration of a spread-spectrum transmitter and receiver front end for wireless LAN applications. *Lecture Notes in Computer Science*, 783:501–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nilsson:1994:BSC**

- [571] P. Nilsson, M. Torkelson, K. Palmkvist, M. Vesterbacka, and L. Wanhammar. A bit-serial CMOS digital IF-Filter for mobile radio using an on-chip clock. *Lecture Notes in Computer Science*, 783:510–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lingwood:1994:MDC**

- [572] S. D. Lingwood. A 65-MHz digital chip-matched-filter for DS-Spread spectrum applications. *Lecture Notes in Computer Science*, 783:522–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:AEV**

- [573] H.-D. Lin. Area-efficient Viterbi decoders for complex rate- $k/n$  convo-

lutional and trellis codes. *Lecture Notes in Computer Science*, 783:529–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Viterbi:1994:SHE**

- [574] A. J. Viterbi, A. M. Viterbi, K. S. Gilhousen, and E. Zehavi. Soft hand-off extends CDMA cell coverage and increases reverse link capacity. *Lecture Notes in Computer Science*, 783:541–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Acampora:1994:AMM**

- [575] A. S. Acampora and M. Naghshineh. An architecture and methodology for mobile-executed cell hand-off in wireless ATM networks. *Lecture Notes in Computer Science*, 783:552–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kodratoff:1994:IAM**

- [576] Y. Kodratoff. Industrial applications of ML: Illustrations for the KAML dilemma and the CBR dream. *Lecture Notes in Computer Science*, 784:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Neri:1994:KRM**

- [577] F. Neri and L. Saitta. Knowledge representation in machine learning. *Lecture Notes in Computer Science*, 784:20–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aha:1994:IIS**

- [578] D. W. Aha, S. Lapointe, C. X. Ling, and S. Matwin. Inverting implication

with small training sets. *Lecture Notes in Computer Science*, 784:31–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Biberman:1994:CSM**

- [579] Y. Biberman. A context similarity measure. *Lecture Notes in Computer Science*, 784:49–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Borrajo:1994:ILC**

- [580] D. Borrajo and M. Veloso. Incremental learning of control knowledge for non-linear problem solving. *Lecture Notes in Computer Science*, 784:64–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brazdil:1994:CAC**

- [581] P. Brazdil, J. Gama, and B. Henery. Characterizing the applicability of classification algorithms using meta-level learning. *Lecture Notes in Computer Science*, 784:83–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Emde:1994:ILC**

- [582] W. Emde. Inductive learning of characteristic concept descriptions from small sets of classified examples. *Lecture Notes in Computer Science*, 784:103–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Furnkranz:1994:FRR**

- [583] J. Furnkranz. FOSSIL: A robust relational learner. *Lecture Notes in Computer Science*, 784:122–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Herrmann:1994:MLS**

- [584] J. Herrmann, R. Ackermann, J. Peters, and D. Reipa. A multistrategy learning system and its integration into an interactive floorplanning tool. *Lecture Notes in Computer Science*, 784:138–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kohavi:1994:BIO**

- [585] R. Kohavi. Bottom-up induction of oblivious read-once decision graphs. *Lecture Notes in Computer Science*, 784:154–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kononenko:1994:EAA**

- [586] I. Kononenko. Estimating attributes: Analysis and extensions of RELIEF. *Lecture Notes in Computer Science*, 784:171–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**LeBlanc:1994:GFA**

- [587] G. Le Blanc. Generalization and formalization of an algorithm for detecting recursive relations in term sequences. *Lecture Notes in Computer Science*, 784:183–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Malerba:1994:AEC**

- [588] D. Malerba, G. Semeraro, and F. Esposito. An analytic and empirical comparison of two methods for discovering probabilistic causal relation-

ships. *Lecture Notes in Computer Science*, 784:198–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nienhuys-Cheng:1994:SPL**

- [589] S. H. Nienhuys-Cheng and M. Polman. Sample PAC-Learnability in model inference. *Lecture Notes in Computer Science*, 784:217–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oliver:1994:ADS**

- [590] J. J. Oliver and D. Hand. Averaging over decision stumps. *Lecture Notes in Computer Science*, 784:231–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pfahring:1994:CCI**

- [591] B. Pfahring. Controlling constructive induction in CIPF: An MDL approach. *Lecture Notes in Computer Science*, 784:242–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sebag:1994:UCB**

- [592] M. Sebag. Using constraints to building version spaces. *Lecture Notes in Computer Science*, 784:257–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stahl:1994:UPI**

- [593] I. Stahl. On the utility of predicate invention in inductive logic programming. *Lecture Notes in Computer Science*, 784:272–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stroulia:1994:LPS**

- [594] E. Stroulia and A. K. Goel. Learning problem-solving concepts by reflecting on problem solving. *Lecture Notes in Computer Science*, 784:287–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**vanderLaag:1994:ENC**

- [595] P. R. J. van der Laag and S. H. Nienhuys-Cheng. Existence and nonexistence of complete refinement operators. *Lecture Notes in Computer Science*, 784:307–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wettschereck:1994:HNN**

- [596] D. Wettschereck. A hybrid nearest-neighbor and nearest-hyperrectangle algorithm. *Lecture Notes in Computer Science*, 784:323–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berka:1994:AKA**

- [597] P. Berka and J. Ivanek. Automated knowledge acquisition for PROSPECTOR-like expert systems. *Lecture Notes in Computer Science*, 784:339–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brockmann:1994:RML**

- [598] W. Brockmann. On the role of machine learning in knowledge-based control. *Lecture Notes in Computer Science*, 784:343–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dzeroski:1994:DDG**

- [599] S. Dzeroski and I. Petrovski. Discovering dynamics with genetic programming. *Lecture Notes in Computer Science*, 784:347–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Elomaa:1994:GAF**

- [600] T. Elomaa and E. Ukkonen. A geometric approach to feature selection. *Lecture Notes in Computer Science*, 784:351–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferretti:1994:IUR**

- [601] C. Ferretti and G. Mauri. Identifying unrecognizable regular languages by queries. *Lecture Notes in Computer Science*, 784:355–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gunetti:1994:ILL**

- [602] D. Gunetti and U. Trincherio. Intensional learning of logic programs. *Lecture Notes in Computer Science*, 784:359–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hirowatari:1994:PIG**

- [603] E. Hirowatari and S. Arikawa. Partially isomorphic generalization and analogical reasoning. *Lecture Notes in Computer Science*, 784:363–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jappy:1994:LRT**

- [604] P. Jappy, M. C. Daniel-Vatonne, O. Gascuel, and C. de la Higuera. Learning from recursive, tree structured examples. *Lecture Notes in Computer Science*, 784:367–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ketterlin:1994:CFC**

- [605] A. Ketterlin and J. J. Korczak. Concept formation in complex domains. *Lecture Notes in Computer Science*, 784:371–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kivinen:1994:ALH**

- [606] J. Kivinen, H. Mannila, E. Ukkonen, and J. Vilo. An algorithm for learning hierarchical classifiers. *Lecture Notes in Computer Science*, 784:375–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klopotek:1994:LBN**

- [607] M. A. Klopotek. Learning belief network structure from data under causal insufficiency. *Lecture Notes in Computer Science*, 784:379–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Knoll:1994:CSP**

- [608] U. Knoll, G. Nakhaeizadeh, and B. Tausend. Cost-sensitive pruning of decision trees. *Lecture Notes in Computer Science*, 784:383–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1994:IBL**

- [609] C. Lee. An instance-based learning method for databases: An information theoretic approach. *Lecture Notes in Computer Science*, 784:387–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liu:1994:ESG**

- [610] W. Z. Liu, A. P. White, and M. T. Hallissey. Early screening for gastric cancer using machine learning techniques. *Lecture Notes in Computer Science*, 784:391–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Martin:1994:DSU**

- [611] J. D. Martin. DP1: Supervised and unsupervised clustering. *Lecture Notes in Computer Science*, 784:395–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mladenic:1994:UML**

- [612] D. Mladenic, I. Bratko, R. J. Paul, and M. Grobelnik. Using machine learning techniques to interpret results from discrete event simulation. *Lecture Notes in Computer Science*, 784:399–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Plaza:1994:FIM**

- [613] E. Plaza and J. L. Arcos. Flexible integration of multiple learning methods into a problem solving architecture. *Lecture Notes in Computer Science*, 784:403–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sarbo:1994:CS**

- [614] J. Sarbo and J. Farkas. Concept sublattices. *Lecture Notes in Computer Science*, 784:407–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schulmeister:1994:PLC**

- [615] B. Schulmeister and F. Wysotzki. The piecewise linear classifier DIPOL92. *Lecture Notes in Computer Science*, 784:411–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shinohara:1994:CCG**

- [616] A. Shinohara. Complexity of computing generalized VC-Dimensions. *Lecture Notes in Computer Science*, 784:415–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sommer:1994:LRC**

- [617] E. Sommer. Learning relations without closing the world. *Lecture Notes in Computer Science*, 784:419–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stahl:1994:PII**

- [618] I. Stahl. Properties of inductive logic programming in function-free Horn logic. *Lecture Notes in Computer Science*, 784:423–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tausend:1994:RBI**

- [619] B. Tausend. Representing biases for inductive logic programming. *Lecture*

*Notes in Computer Science*, 784:427–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tausend:1994:BTE**

- [620] B. Tausend. Biases and their effects in inductive logic programming. *Lecture Notes in Computer Science*, 784:431–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vrain:1994:ILN**

- [621] C. Vrain and L. Martin. Inductive learning of normal clauses. *Lecture Notes in Computer Science*, 784:435–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goguen:1994:TAS**

- [622] J. A. Goguen and R. Diaconescu. Towards an algebraic semantics for the object paradigm. *Lecture Notes in Computer Science*, 785:1–29, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jouannaud:1994:RTS**

- [623] J.-P. Jouannaud. Rewriting techniques for software engineering. *Lecture Notes in Computer Science*, 785:30–52, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Poigne:1994:IET**

- [624] A. Poigne. Identity and existence, and types in algebra — A survey of sorts. *Lecture Notes in Computer Science*, 785:53–78, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wagner:1994:OI**

- [625] E. G. Wagner. Overloading and inheritance. *Lecture Notes in Computer Science*, 785:79–97, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bettaz:1994:SBK**

- [626] M. Bettaz and G. Reggio. A SMoLCS based kit for defining high-level algebraic Petri nets. *Lecture Notes in Computer Science*, 785:98–112, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cerioli:1994:IVA**

- [627] M. Cerioli and G. Reggio. Institutions for very abstract specifications. *Lecture Notes in Computer Science*, 785:113–127, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Choppy:1994:ACA**

- [628] C. Choppy. About the “correctness” and “adequacy” of PLUSS specifications. *Lecture Notes in Computer Science*, 785:128–143, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clerici:1994:SCS**

- [629] S. Clerici, R. Jimenez, and F. Orejas. Semantic constructions in the specification language glider. *Lecture Notes in Computer Science*, 785:144–157, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Conrad:1994:CST**

- [630] S. Conrad. On certification of specifications for TROLL light objects. *Lecture*

*Notes in Computer Science*, 785:158–172, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Denker:1994:TTL**

- [631] G. Denker and M. Gogolla. Translating TROLL light concepts to MAUDE. *Lecture Notes in Computer Science*, 785:173–187, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ehrig:1994:AHL**

- [632] H. Ehrig, J. Padberg, and L. Ribeiro. Algebraic high level nets: Petri nets revisited. *Lecture Notes in Computer Science*, 785:188–206, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grosse-Rhode:1994:CSP**

- [633] M. Grosse-Rhode and U. Wolter. 2-categorical specification of partial algebras. *Lecture Notes in Computer Science*, 785:207–219, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hennicker:1994:BAF**

- [634] R. Hennicker and F. Nickl. A behavioural algebraic framework for modular system design with reuse. *Lecture Notes in Computer Science*, 785:220–234, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hermida:1994:FAC**

- [635] C. Hermida. On fibred adjunctions and completeness for fibred categories. *Lecture Notes in Computer Science*, 785:235–251, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Levy:1994:IIN**

- [636] J. Levy and J. Agusti. Implementing inequality and nondeterministic specifications with bi-rewriting systems. *Lecture Notes in Computer Science*, 785:252–267, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liu:1994:SBL**

- [637] J. Liu. A semantic basis of logic-independent transformation. *Lecture Notes in Computer Science*, 785:268–279, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mosses:1994:UAA**

- [638] P. D. Mosses. Unified algebras and abstract syntax. *Lecture Notes in Computer Science*, 785:280–294, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**ParisiPresicce:1994:SIA**

- [639] F. Parisi Presicce and A. Pierantonio. Structured inheritance for algebraic class specifications. *Lecture Notes in Computer Science*, 785:295–309, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rieckhoff:1994:TTA**

- [640] C. Rieckhoff. Towards a theory for the animation of algebraic specification. *Lecture Notes in Computer Science*, 785:310–320, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schobbens:1994:SOP**

- [641] P.-Y. Schobbens. Second-order proof systems for algebraic specification languages. *Lecture Notes in Computer Science*, 785:321–336, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sernadas:1994:IOB**

- [642] A. Sernadas, J. F. Costa, and C. Sernadas. An institution of object behaviour. *Lecture Notes in Computer Science*, 785:337–350, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Orbaek:1994:OOA**

- [643] Peter Orbaek. OASIS: An optimizing action-based compiler generator. *Lecture Notes in Computer Science*, 786:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moura:1994:ATA**

- [644] Hermano Moura and David A. Watt. Action transformations in the AC-TRESS compiler generator. *Lecture Notes in Computer Science*, 786:16–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hedin:1994:ODA**

- [645] Gorel Hedin. An overview of door attribute grammars. *Lecture Notes in Computer Science*, 786:31–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roussel:1994:CEA**

- [646] Gilles Roussel, Didier Parigot, and Martin Jourdan. Coupling evaluators

for attribute coupled grammars. *Lecture Notes in Computer Science*, 786:52–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hanus:1994:TGO**

- [647] Michael Hanus. Towards the global optimization of functional logic programs. *Lecture Notes in Computer Science*, 786:68–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**George:1994:POB**

- [648] Lal George, Florent Guillame, and John H. Reppy. A portable and optimizing back end for the SML/NJ compiler. *Lecture Notes in Computer Science*, 786:83–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hogen:1994:EOC**

- [649] Guido Hogen and Rita Loogen. Efficient organization of control structures in distributed implementations. *Lecture Notes in Computer Science*, 786:98–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ben-Asher:1994:IM**

- [650] Yosi Ben-Asher, Gudula Runger, Reinhard Wilhelm, and Assaf Schuster. Implementing 2DT on a multiprocessor. *Lecture Notes in Computer Science*, 786:113–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Fauth:1994:GCS**

- [651] Andreas Fauth, Gunter Hommel, Carsten Muller, and Alois Knoll. Global code selection for directed acyclic graphs. *Lecture Notes in Computer Science*, 786:128–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Slowik:1994:CNL**

- [652] Adrian Slowik, Georg Piepenbrock, and Peter Pfahler. Compiling nested loops for limited connectivity VLIWs. *Lecture Notes in Computer Science*, 786:143–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ertl:1994:DES**

- [653] M. Anton Ertl and Andreas Krall. Delayed exceptions — speculative execution of trapping instructions. *Lecture Notes in Computer Science*, 786:158–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Janssens:1994:IAI**

- [654] Gerda Janssens and Wim Simoens. On the implementation of abstract interpretation systems for (constraint) logic programs. *Lecture Notes in Computer Science*, 786:172–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cheatham:1994:SAT**

- [655] Thomas Cheatham, Haiming Gao, and Dan Stefanescu. A suite of analysis tools based on a general purpose abstract interpreter. *Lecture Notes in Computer Science*, 786:188–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Uhl:1994:FGF**

- [656] James S. Uhl and R. Nigel Horspool. Flow grammars — A flow analysis methodology. *Lecture Notes in Computer Science*, 786:203–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lammel:1994:PCP**

- [657] Ralf Lammel and Gunter Riedewald. Provable correctness of prototype interpreters in LDL. *Lecture Notes in Computer Science*, 786:218–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Poetzsch-Heffter:1994:DEI**

- [658] Arnd Poetzsch-Heffter. Developing efficient interpreters based on formal language specifications. *Lecture Notes in Computer Science*, 786:233–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ringstrom:1994:GEC**

- [659] Johan Ringstrom, Peter Fritzson, and Mikael Pettersson. Generating an efficient compiler for a data parallel language from a denotational specification. *Lecture Notes in Computer Science*, 786:248–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parr:1994:ASS**

- [660] Terence J. Parr and Russel W. Quong. Adding semantic and syntactic predicates to LL(k): pred-LL(k). *Lecture Notes in Computer Science*, 786:263–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Alt:1994:CCP**

- [661] Martin Alt, Uwe Abmann, and Hans van Someren. Cosy compiler phase embedding with the CoSy compiler model. *Lecture Notes in Computer Science*, 786:278–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Franzle:1994:TPC**

- [662] Martin Franzle and Markus Muller-Olm. Towards provably correct code generation for a hard real-time programming language. *Lecture Notes in Computer Science*, 786:294–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Justiani:1994:SAD**

- [663] Justiani and Laurie J. Hendren. Supporting array dependence testing for an optimizing/parallelizing C compiler. *Lecture Notes in Computer Science*, 786:309–323, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benkner:1994:PAS**

- [664] Siegfried Benkner, Peter Brezany, and Hans Zima. Processing array statements and procedure interfaces in the PREPARE High Performance Fortran compiler. *Lecture Notes in Computer Science*, 786:324–338, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pineo:1994:PAS**

- [665] Patricia Pineo and Mary Lou Soffa. A practical approach to the symbolic de-

bugging of parallelized code. *Lecture Notes in Computer Science*, 786:339–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Duesterwald:1994:RCD**

- [666] Evelyn Duesterwald, Rajiv Gupta, and Mary Lou Soffa. Reducing the cost of data-flow analysis by congruence partitioning. *Lecture Notes in Computer Science*, 786:357–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Binkley:1994:ICP**

- [667] David Binkley. Interprocedural constant propagation using dependence graphs and a data-flow model. *Lecture Notes in Computer Science*, 786:374–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reps:1994:SDV**

- [668] Thomas Reps. Solving demand versions of interprocedural analysis problems. *Lecture Notes in Computer Science*, 786:389–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mendlson:1994:CTI**

- [669] Abraham Mendlson, Ruth Shtokhamer, and Shlomit S. Pinter. Compile time instruction cache optimisations. *Lecture Notes in Computer Science*, 786:404–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mahadevan:1994:ISR**

- [670] Uma Mahadevan and Sridhar Ramakrishnan. Instruction scheduling over regions: A framework for scheduling across basic blocks. *Lecture Notes in Computer Science*, 786:419–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoogerbrugge:1994:TTV**

- [671] Jan Hoogerbrugge and Henk Corporaal. Transport-triggering vs. operation-triggering. *Lecture Notes in Computer Science*, 786:435–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Comon:1994:OCT**

- [672] H. Comon and R. Treinen. Ordering constraints on trees. *Lecture Notes in Computer Science*, 787:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Engelfriet:1994:GGT**

- [673] J. Engelfriet. Graph grammars and tree transducers. *Lecture Notes in Computer Science*, 787:15–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alessi:1994:TP**

- [674] F. Alessi. Type preorders. *Lecture Notes in Computer Science*, 787:37–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bruscoli:1994:CCN**

- [675] P. Bruscoli, F. Levi, G. Levi, and M. C. Meo. Compilative constructive negation in constraint logic programs. *Lecture Notes in Computer*

*Science*, 787:52–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cournier:1994:NLA**

- [676] A. Cournier and M. Habib. A new linear algorithm for modular decomposition. *Lecture Notes in Computer Science*, 787:68–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**deGroote:1994:CTL**

- [677] P. de Groote. A CPS-Translation of the lambda-mu-calculus. *Lecture Notes in Computer Science*, 787:85–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Drewes:1994:LBG**

- [678] F. Drewes. A lower bound on the growth of functions computed by tree transductions. *Lecture Notes in Computer Science*, 787:100–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Esparza:1994:DMC**

- [679] J. Esparza. On the decidability of model checking for several mu-calculi and Petri nets. *Lecture Notes in Computer Science*, 787:115–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giancarlo:1994:GPT**

- [680] R. Giancarlo and F. Mignosi. Generalizations of the periodicity theorem of fine and wilf. *Lecture Notes in Computer Science*, 787:130–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Heckmann:1994:PD**

- [681] R. Heckmann. Probabilistic domains. *Lecture Notes in Computer Science*, 787:142–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hofbauer:1994:SRT**

- [682] D. Hofbauer, M. Huber, and G. Kucherov. Some results on top-context-free tree languages. *Lecture Notes in Computer Science*, 787:157–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Khasidashvili:1994:HOR**

- [683] Z. Khasidashvili. On higher order recursive program schemes. *Lecture Notes in Computer Science*, 787:172–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klarlund:1994:GDT**

- [684] N. Klarlund and M. I. Schwartzbach. Graphs and decidable transductions based on edge constraints. *Lecture Notes in Computer Science*, 787:187–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kuske:1994:NAC**

- [685] D. Kuske. Nondeterministic automata with concurrency relations and domains. *Lecture Notes in Computer Science*, 787:202–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Merlini:1994:ACP**

- [686] D. Merlini, R. Sprugnoli, and M. C. Verri. Algebraic and combinatorial properties of simple, coloured walks. *Lecture Notes in Computer Science*, 787:218–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Metivier:1994:PAE**

- [687] Y. Metivier and N. Saheb. Probabilistic analysis of an election algorithm in a tree. *Lecture Notes in Computer Science*, 787:234–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Noll:1994:FOE**

- [688] T. Noll. On the first-order equivalence of call-by-name and call-by-value. *Lecture Notes in Computer Science*, 787:246–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ohlebush:1994:MCC**

- [689] E. Ohlebush. On the modularity of confluence of constructor-sharing term rewriting systems. *Lecture Notes in Computer Science*, 787:261–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Palsberg:1994:GPA**

- [690] J. Palsberg. Global program analysis in constraint form. *Lecture Notes in Computer Science*, 787:276–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Peled:1994:PSP**

- [691] D. Peled. On projective and separable properties. *Lecture Notes in Computer Science*, 787:291–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rambow:1994:RHD**

- [692] O. Rambow and G. Satta. A rank hierarchy for deterministic tree-walking transducers. *Lecture Notes in Computer Science*, 787:308–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ratoandromanana:1994:SPL**

- [693] B. Ratoandromanana and D. Robiliard. Superposition in picture languages. *Lecture Notes in Computer Science*, 787:322–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sorensen:1994:GBD**

- [694] M. H. Sorensen. A grammar-based data-flow analysis to stop deforestation. *Lecture Notes in Computer Science*, 787:335–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abadi:1994:TPOa**

- [695] M. Abadi and L. Cardelli. A theory of primitive objects: second-order systems. *Lecture Notes in Computer Science*, 788:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Milner:1994:PNG**

- [696] R. Milner. Pi-nets: a graphical form of pi-calculus. *Lecture Notes in Computer*

*Science*, 788:26–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amtoft:1994:LTR**

- [697] T. Amtoft. Local type reconstruction by means of symbolic fixed point iteration. *Lecture Notes in Computer Science*, 788:43–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andersen:1994:APA**

- [698] H. R. Andersen and M. Mendler. An asynchronous process algebra with multiple clocks. *Lecture Notes in Computer Science*, 788:58–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andrews:1994:FII**

- [699] J. H. Andrews. Foundational issues in implementing constraint logic programming systems. *Lecture Notes in Computer Science*, 788:74–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berthomieu:1994:PBM**

- [700] B. Berthomieu and T. Le Sergent. Programming with behaviors in an ML framework: the syntax and semantics of LCS. *Lecture Notes in Computer Science*, 788:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bidoit:1994:CBS**

- [701] M. Bidoit, R. Hennicker, and M. Wirsing. Characterizing behavioural semantics and abstractor semantics. *Lecture Notes in Computer Science*, 788:105–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Boerio:1994:EPT**

- [702] L. Boerio. Extending pruning techniques to polymorphic second order lambda-calculus. *Lecture Notes in Computer Science*, 788:120–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bohm:1994:LDF**

- [703] C. Bohm, A. Piperno, and S. Guerini. lambda-definition of function(al)s by normal forms. *Lecture Notes in Computer Science*, 788:135–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buth:1994:SSD**

- [704] K.-H. Buth. Simulation of SOS definitions with term rewriting systems. *Lecture Notes in Computer Science*, 788:150–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cicerone:1994:SMS**

- [705] S. Cicerone and F. Parisi Presicce. Strategies in modular system design by interface rewriting. *Lecture Notes in Computer Science*, 788:165–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corsini:1994:SMC**

- [706] M.-M. Corsini and A. Rauzy. Symbolic model checking and constraint logic programming: a cross-fertilization. *Lecture Notes in Computer Science*, 788:180–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DiPierro:1994:LDS**

- [707] A. Di Pierro and C. Palamidessi. A logical denotational semantics for constraint logic programming. *Lecture Notes in Computer Science*, 788:195–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fradet:1994:CHS**

- [708] P. Fradet. Compilation of head and strong reduction. *Lecture Notes in Computer Science*, 788:211–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giegerich:1994:STF**

- [709] R. Giegerich and S. Kurtz. Suffix trees in the functional programming paradigm. *Lecture Notes in Computer Science*, 788:225–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hall:1994:TCH**

- [710] C. Hall, K. Hammond, S. Peyton Jones, and P. Wadler. Type classes in haskell. *Lecture Notes in Computer Science*, 788:241–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hankin:1994:LTI**

- [711] C. Hankin and D. Le Metayer. Lazy type inference for the strictness analysis of lists. *Lecture Notes in Computer Science*, 788:257–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hanus:1994:LUS**

- [712] M. Hanus. Lazy unification with simplification. *Lecture Notes in Computer Science*, 788:272–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Henglein:1994:PBT**

- [713] F. Henglein and C. Mossin. Polymorphic binding-time analysis. *Lecture Notes in Computer Science*, 788:287–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jay:1994:STS**

- [714] C. B. Jay and J. R. B. Cockett. Shapely types and shape polymorphism. *Lecture Notes in Computer Science*, 788:302–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jeuring:1994:BGA**

- [715] J. Jeuring and D. Swierstra. Bottom-up grammar analysis: a functional formulation. *Lecture Notes in Computer Science*, 788:317–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kahrs:1994:FCP**

- [716] S. Kahrs. First-class polymorphism for ML. *Lecture Notes in Computer Science*, 788:333–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kennedy:1994:DT**

- [717] A. Kennedy. Dimension types. *Lecture Notes in Computer Science*, 788:348–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**King:1994:SAS**

- [718] A. King. A synergistic analysis for sharing and groundness which traces linearity. *Lecture Notes in Computer Science*, 788:363–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:PCS**

- [719] B. Z. Li. A pi-calculus specification of Prolog. *Lecture Notes in Computer Science*, 788:379–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:LFE**

- [720] W. Li. A logical framework for evolution of specifications. *Lecture Notes in Computer Science*, 788:394–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**MacQueen:1994:SHO**

- [721] D. B. MacQueen and M. Tofte. A semantics for higher-order functors. *Lecture Notes in Computer Science*, 788:409–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moreau:1994:PMA**

- [722] L. Moreau. The PCKS-machine: an abstract machine for sound evaluation of parallel functional programs with first-class continuations. *Lecture Notes in Computer Science*, 788:424–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muck:1994:TCF**

- [723] A. Muck, T. Streicher, and H. C. R. Lock. A tiny constraint functional logic language and its continuation semantics. *Lecture Notes in Computer Science*, 788:439–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**O'Hearn:1994:FAT**

- [724] P. W. O'Hearn and J. G. Riecke. Fully abstract translations and parametric polymorphism. *Lecture Notes in Computer Science*, 788:454–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prasad:1994:BP**

- [725] K. V. S. Prasad. Broadcasting with priority. *Lecture Notes in Computer Science*, 788:469–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sorensen:1994:TUP**

- [726] M. H. Sorensen, R. Gluck, and N. D. Jones. Towards unifying partial evaluation, deforestation, supercompilation, and GPC. *Lecture Notes in Computer Science*, 788:485–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Walker:1994:APP**

- [727] D. Walker. Algebraic proofs of properties of objects. *Lecture Notes in Computer Science*, 788:501–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abramsky:1994:FAP**

- [728] Samson Abramsky, Pasquale Malacaria, and Radha Jagadeesan. Full abstraction for PCF. *Lecture Notes in Computer Science*, 789:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dezani-Ciancaglini:1994:FAS**

- [729] Mariangiola Dezani-Ciancaglini, Ugo de'Liguoro, and Adolfo Piperno. Fully abstract semantics for concurrent lambda-calculus. *Lecture Notes in Computer Science*, 789:16–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Howe:1994:OAC**

- [730] Douglas J. Howe and Scott D. Stoller. An operational approach to combining classical set theory and functional programming languages. *Lecture Notes in Computer Science*, 789:36–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jones:1994:MTE**

- [731] Mark P. Jones. ML typing, explicit polymorphism and qualified types. *Lecture Notes in Computer Science*, 789:56–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Riecke:1994:ETS**

- [732] Jon G. Riecke and Ramesh Subrahmanyam. Extensions to type systems can preserve operational equivalences. *Lecture Notes in Computer Science*, 789:76–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Kanellakis:1994:CPD**

- [733] Paris C. Kanellakis and Dina Q. Goldin. Constraint programming and database query languages. *Lecture Notes in Computer Science*, 789:96–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoa:1994:IRL**

- [734] Alain Hui Bon Hoa. Intuitionistic resolution for a logic programming language with scoping constructs. *Lecture Notes in Computer Science*, 789:121–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bertot:1994:PP**

- [735] Yves Bertot, Gilles Kahn, and Laurent Thery. Proof by pointing. *Lecture Notes in Computer Science*, 789:141–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Korver:1994:CCV**

- [736] Henri Korver and Jan Springintveld. A computer-checked verification of Milner’s scheduler. *Lecture Notes in Computer Science*, 789:161–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sato:1994:PFL**

- [737] Masahiko Sato. A purely functional language with encapsulated assignment. *Lecture Notes in Computer Science*, 789:179–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rao:1994:STH**

- [738] M. R. K. Krishna Rao. Simple termination of hierarchical combinations of term rewriting systems. *Lecture Notes in Computer Science*, 789:203–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yan:1994:SAI**

- [739] Mei Tang Yan and Pierre Jouvelot. Separate abstract interpretation for control-flow analysis. *Lecture Notes in Computer Science*, 789:224–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cartwright:1994:EDL**

- [740] Robert Cartwright and Matthias Felleisen. Extensible denotational language specifications. *Lecture Notes in Computer Science*, 789:244–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsuiki:1994:NCO**

- [741] Hideki Tsuiki. A normalizing calculus with overloading and subtyping. *Lecture Notes in Computer Science*, 789:273–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abadi:1994:TPOb**

- [742] Martin Abadi and Luca Cardelli. A theory of primitive objects — untyped and first-order systems. *Lecture Notes in Computer Science*, 789:296–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Remy:1994:POM**

- [743] Didier Remy. Programming objects with ML-ART, an extension to ML with abstract and record. *Lecture Notes in Computer Science*, 789:321–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kung:1994:TSL**

- [744] Chen Kung and Martin Odersky. A type system for a lambda calculus with assignments. *Lecture Notes in Computer Science*, 789:347–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yonezawa:1994:TPC**

- [745] Akinori Yonezawa. Theory and practice of concurrent object-oriented computing. *Lecture Notes in Computer Science*, 789:365–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asperti:1994:FRI**

- [746] Andrea Asperti and Cosimo Laneve. The family relation in interaction systems. *Lecture Notes in Computer Science*, 789:366–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goltz:1994:SSA**

- [747] Ursula Goltz, Roberto Gorrieri, and Arend Rensink. On syntactic and semantic action refinement. *Lecture Notes in Computer Science*, 789:385–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sangiorgi:1994:LTC**

- [748] Davide Sangiorgi. Locality and true-concurrency in calculi for mobile processes. *Lecture Notes in Computer Science*, 789:405–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bosscher:1994:TRP**

- [749] D. J. B. Bosscher. Term rewriting properties of SOS axiomatisations. *Lecture Notes in Computer Science*, 789:425–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fokkink:1994:TTF**

- [750] Willem Jan Fokkink. The tyft/tyxt format reduces to tree rules. *Lecture Notes in Computer Science*, 789:440–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huttel:1994:UEB**

- [751] Hans Huttel. Undecidable equivalences for basic parallel processes. *Lecture Notes in Computer Science*, 789:454–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Takahashi:1994:NPT**

- [752] Masako Takahashi, Y. Akama, and S. Hirokawa. Normal proofs and their grammar. *Lecture Notes in Computer Science*, 789:465–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barbanera:1994:SLC**

- [753] Franco Barbanera and Stefano Berardi. A symmetric lambda calculus for “classical” program extraction. *Lecture Notes in Computer Science*, 789:495–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rehof:1994:C**

- [754] Niels Jakob Rehof and Morten Heine Sorensen. The  $\lambda_{\Delta}$ -Calculus. *Lecture Notes in Computer Science*, 789:516–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ariola:1994:SDU**

- [755] Zena Ariola, Richard Kennaway, Jan Willem Klop, Ronan Sleep, and Fer-Jan de Vries. Syntactic definitions of undefined: On defining the undefined. *Lecture Notes in Computer Science*, 789:543–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gardner:1994:DNR**

- [756] Philippa Gardner. Discovering needed reductions using type theory. *Lecture Notes in Computer Science*, 789:555–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vardi:1994:NAA**

- [757] Moshe Y. Vardi. Nontraditional applications of automata theory. *Lecture Notes in Computer Science*, 789:575–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wagner:1994:APO**

- [758] Kim Ritter Wagner. Abstract preorders. *Lecture Notes in Computer Science*, 789:598–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Islam:1994:CMR**

- [759] Amitavo Islam and Wesley Phoa. Categorical models of relational databases I: Fibrational formulation, schema integration. *Lecture Notes in Computer Science*, 789:618–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kanovich:1994:PNH**

- [760] Max I. Kanovich. Petri nets, Horn programs, linear logic, and vector games. *Lecture Notes in Computer Science*, 789:642–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sekiguchi:1994:CTI**

- [761] Tatsurou Sekiguchi and Akinori Yonezawa. A complete type inference system for subtyped recursive types. *Lecture Notes in Computer Science*, 789:667–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Damm:1994:SUT**

- [762] Flemming M. Damm. Subtyping with union types, intersection types and recursive types. *Lecture Notes in Computer Science*, 789:687–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Damiani:1994:DIT**

- [763] Ferruccio Damiani and Paola Giannini. A decidable intersection type system based on relevance. *Lecture Notes in Computer Science*, 789:707–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Manna:1994:TVD**

- [764] Zohar Manna and Amir Pnueli. Temporal verification diagrams. *Lecture Notes in Computer Science*, 789:726–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bolignano:1994:STC**

- [765] Dominique Bolignano and Mourad Dababi. A semantic theory for concurrent ML. *Lecture Notes in Computer Science*, 789:766–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Honda:1994:RCC**

- [766] Kohei Honda and Nobuko Yoshida. Replication in concurrent combinators. *Lecture Notes in Computer Science*, 789:786–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Peron:1994:TIN**

- [767] Adriano Peron and Andrea Maggiolo-Schettini. Transitions as interrupts: A new semantics for timed statecharts. *Lecture Notes in Computer Science*, 789:806–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonsangue:1994:RMP**

- [768] Marcello M. Bonsangue and Joost N. Kok. Relating multifunctions and predicate transformers through closure operators. *Lecture Notes in Computer Science*, 789:822–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fisher:1994:NTO**

- [769] K. Fisher and J. C. Mitchell. Notes on typed object-oriented programming. *Lecture Notes in Computer Science*, 789:844–885, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meyer:1994:OTC**

- [770] Albert R. Meyer. Observing truly concurrent processes. *Lecture Notes in Computer Science*, 789:886–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wegner:1994:MPI**

- [771] P. Wegner. Models and paradigms of interaction. *Lecture Notes in Computer Science*, 791:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fowler:1994:ACG**

- [772] R. J. Fowler. Architectural convergence and the granularity of objects in distributed systems. *Lecture Notes in Computer Science*, 791:33–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jul:1994:SDO**

- [773] E. Jul. Separation of distribution and objects. *Lecture Notes in Computer*

*Science*, 791:47–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zeidler:1994:ISO**

- [774] C. Zeidler and B. Fank. Integrating structural and operational programming to manage distributed systems. *Lecture Notes in Computer Science*, 791:55–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bourgois:1994:CCC**

- [775] M. Bourgois, J.-M. Andreoli, and R. Pareschi. Concurrency and communication: Choices in implementing the coordination language LO. *Lecture Notes in Computer Science*, 791:73–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tokoro:1994:TLF**

- [776] M. Tokoro and K. Takashio. Toward languages and formal systems for distributed computing. *Lecture Notes in Computer Science*, 791:93–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wing:1994:DRT**

- [777] J. M. Wing. Decomposing and recomposing transactional concepts. *Lecture Notes in Computer Science*, 791:111–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rakotonirainy:1994:DEC**

- [778] A. Rakotonirainy. DPL to express a concurrency control using transaction and object semantics. *Lecture Notes in Computer Science*, 791:122–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bijmens:1994:RIS**

- [779] S. Bijmens, W. Joosen, and P. Verbaeten. A reflective invocation scheme to realise advanced object management. *Lecture Notes in Computer Science*, 791:139–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aksit:1994:AOI**

- [780] M. Aksit, K. Wakita, J. Bosch, and L. Bergmans. Abstracting object interactions using composition filters. *Lecture Notes in Computer Science*, 791:152–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brandt:1994:OOD**

- [781] S. Brandt and O. L. Madsen. Object-oriented distributed programming in BETA. *Lecture Notes in Computer Science*, 791:185–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maffeis:1994:FSD**

- [782] S. Maffeis. A flexible system design to support object-groups and object-oriented distributed programming. *Lecture Notes in Computer Science*, 791:213–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garbinato:1994:DPG**

- [783] B. Garbinato, R. Guerraoui, and K. R. Mazouni. Distributed programming in GARF. *Lecture Notes in Computer Science*, 791:225–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fazzolare:1994:OOE**

- [784] M. Fazzolare, B. G. Humm, and R. D. Ranson. Object-oriented extensibility in hermes/ST, a transactional distributed programming environment. *Lecture Notes in Computer Science*, 791:240–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hayashi:1994:LLC**

- [785] Susumu Hayashi and Yukihide Takayama. Lifschitz' logic of calculable numbers and optimizations in program extraction. *Lecture Notes in Computer Science*, 792:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hagiya:1994:IA**

- [786] Masami Hagiya and Yozo Toda. On implicit arguments. *Lecture Notes in Computer Science*, 792:10–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yasugi:1994:FST**

- [787] Mariko Yasugi and Susumu Hayashi. A functional system with transfinitely defined types. *Lecture Notes in Computer Science*, 792:31–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakano:1994:NDC**

- [788] Hiroshi Nakano. The non-deterministic catch and throw mechanism and its subject reduction property. *Lecture Notes in Computer Science*, 792:61–??,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sato:1994:CLL**

- [789] Masahiko Sato and Yukiyoshi Kameyama. Conservativeness of lambda over lambda-sigma-calculus. *Lecture Notes in Computer Science*, 792:73–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nishizaki:1994:MFC**

- [790] Shin ya Nishizaki. ML with first-class environments and its type inference algorithm. *Lecture Notes in Computer Science*, 792:95–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Takahashi:1994:SPG**

- [791] Masako Takahashi. A simple proof of the genericity lemma. *Lecture Notes in Computer Science*, 792:117–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weyhrauch:1994:LFS**

- [792] Richard W. Weyhrauch and Carolyn Talcott. The logic of FOL systems: Formulated in set theory. *Lecture Notes in Computer Science*, 792:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hasegawa:1994:WOA**

- [793] Ryu Hasegawa. Well-ordering of algebras and Kruskal's theorem. *Lecture Notes in Computer Science*, 792:133–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Igarashi:1994:LAE**

- [794] Shigeru Igarashi, Tetsuya Mizutani, Takashi Tsuji, and Chiharu Hosono. On locomorphism in analytical equivalence theory. *Lecture Notes in Computer Science*, 792:173–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tomita:1994:ASH**

- [795] Kohji Tomita, Takashi Tsuji, and Shigeru Igarashi. Analysis of a software/hardware system by tense arithmetic. *Lecture Notes in Computer Science*, 792:188–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jones:1994:EPT**

- [796] Neil D. Jones. The essence of program transformation by partial evaluation and driving. *Lecture Notes in Computer Science*, 792:206–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mason:1994:PTC**

- [797] Ian A. Mason and Carolyn Talcott. Program transformation via contextual assertions. *Lecture Notes in Computer Science*, 792:225–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kobayashi:1994:CTM**

- [798] Kojiro Kobayashi. On coding theorems with modified length functions. *Lecture Notes in Computer Science*, 792:255–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kasai:1994:TFC**

- [799] Takumi Kasai, Shusaku Sawato, and Shigeki Iwata. Thirty four comparisons are required to sort 13 items. *Lecture Notes in Computer Science*, 792:260–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blake:1994:CPI**

- [800] I. F. Blake, S. Gao, and R. Lambert. Constructive problems for irreducible polynomials over finite fields. *Lecture Notes in Computer Science*, 793:1–23, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Polemi:1994:SAC**

- [801] D. Polemi and T. Sakkalis. Singular algebraic curves over finite fields. *Lecture Notes in Computer Science*, 793:24–37, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zarowski:1994:DFS**

- [802] C. J. Zarowski. A divisionless form of the Schur Berlekamp–Massey algorithm. *Lecture Notes in Computer Science*, 793:38–44, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sablatash:1994:ECC**

- [803] M. Sablatash. Error-control coding, modulation and equalization for all-digital advanced television: state of the art and future possibilities. *Lecture Notes in Computer Science*, 793:45–66, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Drolet:1994:FFA**

- [804] G. Drolet. A finite field arithmetic unit VLSI chip. *Lecture Notes in Computer Science*, 793:67–77, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hendessi:1994:SA**

- [805] F. Hendessi and M. R. Aref. A successful attack against the DES. *Lecture Notes in Computer Science*, 793:78–90, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:LCH**

- [806] S. Lin, S. Rajpal, and D. J. Rhee. Low-complexity and high-performance multilevel coded modulation for the AWGN and Rayleigh fading channels. *Lecture Notes in Computer Science*, 793:91–108, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:CCF**

- [807] V. S. Lin and G. J. Pottie. Channel coding for a frequency-hopped wireless transceiver. *Lecture Notes in Computer Science*, 793:109–124, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boudreau:1994:UVN**

- [808] D. Boudreau. A unified view of noncoherent detection and differential detection of phase modulated signals. *Lecture Notes in Computer Science*, 793:125–135, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fattouche:1994:ERC**

- [809] M. Fattouche and H. Zaghloul. Error reduction of coded DPSK over a fading channel. *Lecture Notes in Computer Science*, 793:136–152, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferland:1994:PBC**

- [810] G. Ferland and J.-Y. Chouinard. Performance of BCH codes with DES encryption in a digital mobile channel. *Lecture Notes in Computer Science*, 793:153–172, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wautier:1994:RCC**

- [811] A. Wautier, J.-C. Dany, and C. Mourot. Reduced-complexity channels estimation and equalization for TDMA mobile radio systems. *Lecture Notes in Computer Science*, 793:173–190, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Trabelsi:1994:PPS**

- [812] C. Trabelsi and A. Yongacoglu. Probability of packet success for asynchronous DS/CDMA with block and convolutional codes. *Lecture Notes in Computer Science*, 793:191–202, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Markman:1994:SDI**

- [813] I. Markman and J. B. Anderson. Sequential decoding on intersymbol interference channels under the Pe-criterion. *Lecture Notes in Computer Science*, 793:203–222, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Lodge:1994:SCC**

- [814] J. Lodge, R. Young, and P. Guinand. Separable concatenated codes with iterative map filtering. *Lecture Notes in Computer Science*, 793:223–240, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roy:1994:ASC**

- [815] S. Roy and P. Fortier. Adapting the strongly-connected trellis concept for use with trellis-coded modulation. *Lecture Notes in Computer Science*, 793:241–252, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chan:1994:VRP**

- [816] F. Chan and D. Haccoun. Variable-rate punctured trellis-coded modulation and applications. *Lecture Notes in Computer Science*, 793:253–269, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sorokine:1994:TBD**

- [817] V. Sorokine, F. R. Kschischang, and V. Durand. Trellis-based decoding of binary linear block codes. *Lecture Notes in Computer Science*, 793:270–286, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Le-Ngoc:1994:PDU**

- [818] T. Le-Ngoc, M. Jia, and A. Benyamin-Seeyar. Permutation decoding using primitive elements as multipliers. *Lecture Notes in Computer Science*, 793:287–295, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ghazi-Moghaddam:1994:OCH**

- [819] F. Ghazi-Moghaddam, I. Lambadaris, and J. F. Hayes. Overflow constraint in hybrid nodes with movable boundary scheme. *Lecture Notes in Computer Science*, 793:296–309, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zeytinoglu:1994:SAW**

- [820] M. Zeytinoglu and Y. C. Hsu. Statistical analysis of wavelet transform coded multi-channel signals for transmission over ATM packet networks. *Lecture Notes in Computer Science*, 793:310–324, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kamoun:1994:SAT**

- [821] F. Kamoun and M. M. Ali. Statistical analysis of the traffic generated by the superposition of  $N$  independent interrupted Poisson processes. *Lecture Notes in Computer Science*, 793:325–342, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ross:1994:TIA**

- [822] J. A. F. Ross and D. P. Taylor. Throughput increase of ALOHA-based systems with multiuser sequence detection. *Lecture Notes in Computer Science*, 793:343–358, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1994:ART**

- [823] X. Huang and H. Leung. Autoregressive transfer function identification using chaos. *Lecture Notes in*

*Computer Science*, 793:359–367, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Inkol:1994:NAS**

- [824] R. J. Inkol and R. H. Saper. A new algorithm for signal classification using phase information. *Lecture Notes in Computer Science*, 793:368–384, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Khandani:1994:EAF**

- [825] A. K. Khandani, P. Kabal, and E. Dubois. Efficient algorithms for fixed-rate entropy-coded vector quantization. *Lecture Notes in Computer Science*, 793:385–394, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Trivedi:1994:TTR**

- [826] K. S. Trivedi, B. R. Haverkort, A. Rindos, and V. Mainkar. Techniques and tools for reliability and performance evaluation: Problems and perspectives. *Lecture Notes in Computer Science*, 794:1–24, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reed:1994:EAP**

- [827] D. A. Reed. Experimental analysis of parallel systems: Techniques and open problems. *Lecture Notes in Computer Science*, 794:25–51, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carmona:1994:PEB**

- [828] A. Carmona, L. Domingo, R. Macau, and R. Puigjaner. Performance experiences of the Barcelona Olympic

Games computer system. *Lecture Notes in Computer Science*, 794:52–75, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bemmerl:1994:PTI**

- [829] T. Bemmerl and B. Ries. Performance tools on Intel scalable high performance computing systems. *Lecture Notes in Computer Science*, 794:76–88, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Franken:1994:MAM**

- [830] L. J. N. Franken, R. H. Pijpers, and B. R. M. Haverkort. Modelling aspects of model-based dynamic QoS management by the performability manager. *Lecture Notes in Computer Science*, 794:89–110, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Braband:1994:WTD**

- [831] J. Braband. Waiting time distributions for processor sharing queues with state-dependent arrival and service rates. *Lecture Notes in Computer Science*, 794:111–122, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jonkers:1994:QMP**

- [832] H. Jonkers. Queuing models of parallel applications: The glamis methodology. *Lecture Notes in Computer Science*, 794:123–138, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Malony:1994:ASA**

- [833] A. D. Malony, V. Mertsiotakis, and A. Quick. Automatic scalability analy-

sis of parallel programs based on modelling techniques. *Lecture Notes in Computer Science*, 794:139–158, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**AjmoneMarsan:1994:SAC**

- [834] M. Ajmone Marsan, R. Lo Cigno, M. Munafo, and A. Tonietti. Simulation of ATM computer networks with CLASS. *Lecture Notes in Computer Science*, 794:159–179, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gupta:1994:NTM**

- [835] V. Gupta and E. Schenfeld. NetSim — A tool for modeling the performance of circuit switched multicomputer networks. *Lecture Notes in Computer Science*, 794:180–192, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garcia-Haro:1994:AEP**

- [836] J. Garcia-Haro, R. Marin-Sillue, and J. L. Melus-Moreno. ATMSWSIM: An efficient, portable and expandable ATM SWitch SIMulator tool. *Lecture Notes in Computer Science*, 794:193–212, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Serrano:1994:MPE**

- [837] M. J. Serrano, W. Yamamoto, R. C. Wood, and M. Nemirovsky. A model for performance estimation in a multistreamed superscalar processor. *Lecture Notes in Computer Science*, 794:213–230, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferscha:1994:AEP**

- [838] A. Ferscha and G. Chiola. Accelerating the evaluation of parallel program performance models using distributed simulation. *Lecture Notes in Computer Science*, 794:231–252, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wagner:1994:ALD**

- [839] T. D. Wagner and B. M. Carlson. An algorithm for off-line detection of phases in execution profiles. *Lecture Notes in Computer Science*, 794:253–265, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Caselli:1994:ESM**

- [840] S. Caselli, G. Conte, F. Bonardi, and M. Fontanesi. Experiences on SIMD massively parallel GSPN analysis. *Lecture Notes in Computer Science*, 794:266–283, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wabnig:1994:PPP**

- [841] H. Wabnig and G. Haring. PAPS — the parallel program performance prediction toolset. *Lecture Notes in Computer Science*, 794:284–304, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gunther:1994:QTA**

- [842] N. J. Gunther. qcomp: A tool for assessing online transaction processing scalability. *Lecture Notes in Computer Science*, 794:305–320, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bause:1994:QTQ**

- [843] F. Bause and P. Kemper. QPN-Tool for qualitative and quantitative analysis of queueing Petri nets. *Lecture Notes in Computer Science*, 794:321–334, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Donatelli:1994:SAE**

- [844] S. Donatelli, G. Franceschinis, N. Mazzocca, and S. Russo. Software architecture of the EPOCA integrated environment. *Lecture Notes in Computer Science*, 794:335–352, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gilmore:1994:PWT**

- [845] S. Gilmore and J. Hillston. The PEPA workbench: A tool to support a process algebra-based approach to performance modelling. *Lecture Notes in Computer Science*, 794:353–368, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grimsrud:1994:AMR**

- [846] K. Grimsrud, J. Archibald, R. Frost, and B. Nelson. On the accuracy of memory reference models. *Lecture Notes in Computer Science*, 794:369–388, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fahringer:1994:AEN**

- [847] T. Fahringer. Automatically estimating network contention of parallel programs. *Lecture Notes in Computer Science*, 794:389–405, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tron:1994:MCC**

- [848] C. Tron and B. Plateau. Modelling of communication contention in multi-processors. *Lecture Notes in Computer Science*, 794:406–424, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanderAalst:1994:UIT**

- [849] W. M. P. Van der Aalst. Using interval timed coloured Petri nets to calculate performance bounds. *Lecture Notes in Computer Science*, 794:425–444, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Merlo:1994:APT**

- [850] A. P. Merlo and P. H. Worley. Analyzing PICL trace data with MEDEA. *Lecture Notes in Computer Science*, 794:445–463, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fox:1994:IPO**

- [851] G. C. Fox and K. Mills. Information processing and opportunities for HPCN use in industry. *Lecture Notes in Computer Science*, 796:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Williams:1994:ISD**

- [852] D. O. Williams. Information superhighways — does Europe need them, can Europe build them? *Lecture Notes in Computer Science*, 796:15–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hillmann:1994:SMF**

- [853] M. Hillmann and J. Weiher. Simulation of metal forming processes with respect to MPP-Systems. *Lecture Notes in Computer Science*, 796:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Herken:1994:HIQ**

- [854] R. Herken. High image quality rendering on scalable parallel systems. *Lecture Notes in Computer Science*, 796:31–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Duncan:1994:PPH**

- [855] S. H. Duncan, P. L. Gordon, E. J. Zaluska, and S. I. Edwards. Parallel processing in high integrity aircraft engine control. *Lecture Notes in Computer Science*, 796:32–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garcia:1994:ESU**

- [856] G. D. Garcia, F. Suarez, M. Garcia, E. Lasso, R. Guzman, T. Carden, D. Watson, C. McGregor, F. Obeso, and M. Tarrio. An embedded solution using high-performance computing for cost effective on-line real-time monitoring of industrial processes. *Lecture Notes in Computer Science*, 796:40–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Colbrook:1994:EEE**

- [857] A. Colbrook, M. Lemke, H. Mierendorff, K. Stuben, C.-A. Thole, and O. Thomas. EUROPORT — Esprit European porting projects. *Lecture*

*Notes in Computer Science*, 796:46–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lonsdale:1994:CRP**

- [858] G. Lonsdale, J. Clinckemaillie, S. Vlachoutsis, and J. Dubois. Communication requirements in parallel crash-worthiness simulation. *Lecture Notes in Computer Science*, 796:55–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boston:1994:PFC**

- [859] I. Boston, M. Surridge, and C. Upstill. PAFEC-FE — A commercial parallel finite element package. *Lecture Notes in Computer Science*, 796:62–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bennani:1994:SLS**

- [860] M. Bennani, T. Braconnier, and J. C. Dunyach. Solving large-scale nonnormal eigenproblems in the aeronautical industry using parallel BLAS. *Lecture Notes in Computer Science*, 796:72–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krafczyk:1994:SWC**

- [861] M. Krafczyk and E. Rank. Supercomputing on a workstation cluster: A parallelized lattice-gas solver for transient Navier–Stokes-Flow. *Lecture Notes in Computer Science*, 796:78–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grandinetti:1994:PTL**

- [862] L. Grandinetti, F. Guerriero, and R. Musmanno. Parallel techniques

for large-scale nonlinear network optimization. *Lecture Notes in Computer Science*, 796:84–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Watermann:1994:ECP**

- [863] A. Watermann and J. Altes. Experiences concerning the parallelization of the finite element code SMART. *Lecture Notes in Computer Science*, 796:92–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Daehn:1994:EEC**

- [864] W. Daehn. Electrosmog and electromagnetic CAD. *Lecture Notes in Computer Science*, 796:94–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klix:1994:TDS**

- [865] W. Klix, R. Dittmann, and R. Stenzel. Three-dimensional simulation of semiconductor devices. *Lecture Notes in Computer Science*, 796:99–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krauss:1994:DAT**

- [866] P. A. Krauss. A distributed automatic test pattern generation system. *Lecture Notes in Computer Science*, 796:105–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Luksch:1994:DLS**

- [867] P. Luksch. Distributed logic simulation — A test environment for the evaluation of different approaches. *Lecture*

*Notes in Computer Science*, 796:111–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hunger:1994:MHG**

- [868] A. Hunger and F. Muller. Modelling hierarchy as guideline for parallel simulation. *Lecture Notes in Computer Science*, 796:117–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Daniels:1994:LIF**

- [869] H. Daniels, A. Peters, O. Bergen, and C. Forkel. Large implicit finite element simulations of time-dependent incompressible flows on scalable parallel systems. *Lecture Notes in Computer Science*, 796:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thevenin:1994:PSR**

- [870] D. Thevenin, F. Behrendt, U. Maas, and J. Warnatz. Parallel simulation of reacting flows using detailed chemistry. *Lecture Notes in Computer Science*, 796:125–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haberhauer:1994:UCF**

- [871] S. Haberhauer. Unstructured computational fluid dynamics on massively-parallel SIMD-Systems. *Lecture Notes in Computer Science*, 796:131–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**deNicola:1994:APM**

- [872] C. de Nicola, G. De Pietro, and M. Giuliani. An advanced parallel multi-

block code for the solution of 2D flow-fields. *Lecture Notes in Computer Science*, 796:139–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oosterlee:1994:PMR**

- [873] C. W. Oosterlee, H. Ritzdorf, A. Schuller and B. Steckel. Parallel multigrid results for Euler equations and grid partitioning into a large number of blocks. *Lecture Notes in Computer Science*, 796:145–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giraud:1994:PDI**

- [874] L. Giraud and G. M. Manzini. Parallel distributed implementations of 2D explicit Euler solvers. *Lecture Notes in Computer Science*, 796:151–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Issman:1994:PME**

- [875] E. Issman, G. Degrez, and J. de Keyser. A parallel multiblock Euler/Navier–Stokes solver on a cluster of workstations using PVM. *Lecture Notes in Computer Science*, 796:157–162, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**vanBeek:1994:PMB**

- [876] G. van Beek, J. P. Geschiere, and A. R. Sukul. Parallelization of a 3D multi-block Navier–Stokes flow solver on a distributed memory MIMD machine. *Lecture Notes in Computer Science*, 796:163–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**dAst:1994:PTD**

- [877] I. d’Ast. Porting of a three-dimensional Navier–Stokes solver to a range of parallel computers and a network of workstations. *Lecture Notes in Computer Science*, 796:171–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boryczko:1994:LGA**

- [878] K. Boryczko, M. Bubak, J. Kitowski, J. Moscinski, and R. Slota. Lattice gas automata and molecular dynamics on a network of computers. *Lecture Notes in Computer Science*, 796:177–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dietrich:1994:PSO**

- [879] S. Dietrich and I. Boyd. Parallel scalar optimized direct simulation Monte Carlo method for rarefied flows on the SP-1. *Lecture Notes in Computer Science*, 796:181–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andre:1994:MQM**

- [880] J. M. Andre, B. Champagne, J. Delhalle, J. G. Fripiat, and D. H. Mosley. Modern quantum mechanical techniques and computations on the electronic structure of polymers. *Lecture Notes in Computer Science*, 796:183–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bywater:1994:OOS**

- [881] R. Bywater, W. Joosen, S. Bijmens, P. Verbaeten, T. Larsen, and J. Peram. Object-oriented simulation software for drug design. *Lecture Notes in*

*Computer Science*, 796:189–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Trelles-Salazar:1994:MSS**

- [882] O. Trelles-Salazar, E. L. Zapata, and J.-M. Carazo. Mapping strategies of sequential sequence comparison algorithms on LAN-Based message passing architectures. *Lecture Notes in Computer Science*, 796:197–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lischka:1994:PCQ**

- [883] H. Lischka, H. Dachsel, R. Shepard, and R. J. Harrison. Parallel computing in quantum chemistry — message passing and beyond for a general ab initio program system. *Lecture Notes in Computer Science*, 796:203–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bleckmann:1994:SDQ**

- [884] P. Bleckmann and F. H. Walter. Solving dynamic and quantum chemical problems with the help of concurrent processors. *Lecture Notes in Computer Science*, 796:210–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Diercksen:1994:ISO**

- [885] G. H. F. Diercksen. Intelligent software: The OpenMol program. *Lecture Notes in Computer Science*, 796:219–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**O’Toole:1994:PMD**

- [886] E. O’Toole, M. SurrIDGE, and C. Upstill. Parallel molecular dynamics simulation of commercial surfactants. *Lecture Notes in Computer Science*, 796:223–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schulte:1994:CSM**

- [887] J. Schulte and G. Seifert. Computer simulations of molecular collision processes. *Lecture Notes in Computer Science*, 796:226–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Braun:1994:PPG**

- [888] H. Braun, M. Assfalg, K. Weymann, and T. Harvey. Parallel processing for generating large molecular databases. *Lecture Notes in Computer Science*, 796:232–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clark:1994:APC**

- [889] D. A. Clark, Ch. Rawlings, and J. Shirazi. Applications of parallel constraint logic programming to molecular biology and genetics. *Lecture Notes in Computer Science*, 796:236–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tangen:1994:SBE**

- [890] U. Tangen and H. Weberpals. Simulating biological evolution on a parallel computer. *Lecture Notes in Computer Science*, 796:238–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Kremer:1994:SPR**

- [891] K. Kremer. Supercomputing in polymere research. *Lecture Notes in Computer Science*, 796:244–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keunings:1994:PFE**

- [892] R. Keunings, R. Aggarwal, P. Henriksen, D. Vanderstraeten, and O. Zone. Parallel finite element algorithms applied to polymer flow. *Lecture Notes in Computer Science*, 796:254–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nielsen:1994:PMD**

- [893] O. H. Nielsen. Performance of a molecular-dynamics algorithm on Connection Machines CM-200 and CM-5. *Lecture Notes in Computer Science*, 796:261–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Robler:1994:PMD**

- [894] U. K. Robler and H. Teichler. Parallel molecular dynamics simulations of liquid and amorphous metals. *Lecture Notes in Computer Science*, 796:267–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hohl:1994:CMS**

- [895] D. Hohl. Computational materials science from first principles. *Lecture Notes in Computer Science*, 796:274–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gerndt:1994:APC**

- [896] M. Gerndt. Automatic parallelization of a crystal growth simulation program for distributed-memory systems. *Lecture Notes in Computer Science*, 796:281–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nijmeijer:1994:PMD**

- [897] M. J. P. Nijmeijer. A parallel molecular-dynamics simulation of crystal growth at a cluster of workstations. *Lecture Notes in Computer Science*, 796:287–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Voogd:1994:SAB**

- [898] J. M. Voogd, P. M. A. Sloot, and R. v. Dantzig. Simulated annealing for  $N$ -body systems. *Lecture Notes in Computer Science*, 796:293–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barros:1994:MPV**

- [899] S. R. M. Barros, D. Dent, L. Isaksen, G. Robinson, and F. G. Wollenweber. The message passing version of ECMWF's weather forecast model. *Lecture Notes in Computer Science*, 796:299–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gartel:1994:PCW**

- [900] U. Gartel, W. Joppich, and A. Schuller. Parallel computing for weather prediction. *Lecture Notes in Computer Science*, 796:305–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gerlach:1994:PMM**

- [901] J. Gerlach and B. Kahler. Parallelization of a mesoscale model of atmospheric circulation — an object-oriented approach. *Lecture Notes in Computer Science*, 796:311–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tremolet:1994:PSA**

- [902] Y. Tremolet, F. X. Le Dimet, and D. Trystram. Parallelization of scientific applications: Data assimilation in meteorology. *Lecture Notes in Computer Science*, 796:317–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kersken:1994:PLS**

- [903] H.-P. Kersken, B. Fritsch, O. Schenk, W. Hiller, J. Behrens, and E. Kraube. Parallelization of large scale ocean models by data decomposition. *Lecture Notes in Computer Science*, 796:323–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Song:1994:STF**

- [904] Z. W. Song, K. P. P. Pathirana, D. Roose, and J. Berlamont. Simulation of tidal flows for Southern North Sea and sediment transports for Western Scheldt Estuary on parallel computers. *Lecture Notes in Computer Science*, 796:329–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kervevan:1994:SPA**

- [905] Ch. Kervevan, R. Fabriol, A. Guillen, and J.-P. Sauty. A sequential-parallel

approach for coupling chemistry and transport in groundwater quality modelling. *Lecture Notes in Computer Science*, 796:335–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Addison:1994:SOR**

- [906] C. Addison, T. Christensen, J. Larsen, T. Oliver, and A. Sunderland. Supporting an oil reservoir simulator in a distributed memory environment. *Lecture Notes in Computer Science*, 796:340–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yau:1994:PAP**

- [907] H. W. Yau, K. A. Cliffe, J. E. Sinclair, and P. J. Sumner. The parallelization of the AEA probabilistic safety assessment program, MAS-COT. *Lecture Notes in Computer Science*, 796:346–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Altevogt:1994:MCS**

- [908] P. Altevogt and F. Gutbrod. Monte Carlo simulations of lattice gauge theories on multiprocessor systems. *Lecture Notes in Computer Science*, 796:352–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Steinmetz:1994:FGC**

- [909] M. Steinmetz. The formation of galaxies: A challenge for supercomputers — A simple task for GRAPE? *Lecture Notes in Computer Science*, 796:358–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Poedts:1994:PMC**

- [910] S. Poedts, P. M. Meijer, J. P. Goedbloed, H. A. van der Vorst, and A. Jakoby. Parallel magnetohydrodynamics on the CM-5. *Lecture Notes in Computer Science*, 796:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Apostolakis:1994:FRP**

- [911] J. Apostolakis, C. E. Bruschini, P. Calafura, F. Gagliardi, M. Metcalf, A. Norton, B. Panzer-Steindel, L. M. Bertolotto, and K. J. Peach. First results from the parallelization of CERN's NA48 simulation program. *Lecture Notes in Computer Science*, 796:371–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cirlin:1994:SPR**

- [912] G. E. Cirlin, G. M. Guryanov, N. P. Korneeva, and Yu. B. Samsonenko. Software package for reflection high energy electron diffraction beam intensity measurement and analysis system. *Lecture Notes in Computer Science*, 796:377–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Petkov:1994:CCI**

- [913] N. Petkov. Conceiving computationally intensive approaches to vision. *Lecture Notes in Computer Science*, 796:380–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hagmann:1994:TBV**

- [914] S. Hagmann, H. Kihl, D. Kuhn, and J.-P. Urban. A Transputer-Based visually-guided robot system using neuro-control. *Lecture Notes in Computer Science*, 796:390–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vuurpijl:1994:SPP**

- [915] L. Vuurpijl, T. Schouten, and J. Vytöpil. A scalable performance prediction method for parallel neural network simulations. *Lecture Notes in Computer Science*, 796:396–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vuurpijl:1994:PPR**

- [916] L. Vuurpijl, T. Schouten, and J. Vytöpil. PREENS, a parallel research execution environment for neural systems. *Lecture Notes in Computer Science*, 796:402–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Castelow:1994:PIC**

- [917] D. A. Castelow and N. D. Gent. Parallel implementation of control tasks for an automated stereo camera mount. *Lecture Notes in Computer Science*, 796:408–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hanzalek:1994:SNN**

- [918] Z. Hanzalek. Simulating neural networks on telmat T-node. *Lecture Notes in Computer Science*, 796:416–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lankhorst:1994:GAG**

- [919] M. M. Lankhorst. A genetic algorithm for grammatical inference. *Lecture Notes in Computer Science*, 796:418–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lukowicz:1994:MPI**

- [920] P. Lukowicz, J. Schiffers, and R. Cober. A massively parallel implementation of the full search vector quantization algorithm. *Lecture Notes in Computer Science*, 796:420–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cramb:1994:CDA**

- [921] I. Cramb and C. Upstill. Commercial database applications on parallel systems. *Lecture Notes in Computer Science*, 796:422–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kerridge:1994:EHP**

- [922] J. Kerridge, I. Jelly, and Ch. Bates. Evaluation of high-performance parallel database machines. *Lecture Notes in Computer Science*, 796:424–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kroll:1994:FTR**

- [923] F. R. Kroll. A free-text retrieval index-server on a massively parallel machine. *Lecture Notes in Computer Science*, 796:430–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Walter:1994:LSD**

- [924] D. Walter and J. Kerridge. Large scale data management and massively parallel architectures in automatic fingerprint recognition. *Lecture Notes in Computer Science*, 796:435–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fruscione:1994:PPP**

- [925] M. Fruscione, L. Marenzi, S. Punzi, and P. Stoffella. PARCS: Parallel picture archiving and communication system. *Lecture Notes in Computer Science*, 796:441–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yang:1994:PPS**

- [926] Q. Yang, C. Yu, and C. Liu. The performance of a parallel scheme using the divide-and-conquer method. *Lecture Notes in Computer Science*, 796:446–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoffmann:1994:HPC**

- [927] G.-R. Hoffmann. High-performance computing and networking for numerical weather prediction. *Lecture Notes in Computer Science*, 797:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schmidt:1994:HPC**

- [928] F. Schmidt. High-performance computing and networking as base element of the Environmental Information System UIS of Baden-Württemberg. *Lecture Notes in Computer Science*, 797:5–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ullmann:1994:HSN**

- [929] K. Ullmann. High speed networking for the research community in Europe. *Lecture Notes in Computer Science*, 797:13–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McKeown:1994:NII**

- [930] M. McKeown. The National Information Infrastructure Testbed (NIIT). *Lecture Notes in Computer Science*, 797:18–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Borst:1994:PKP**

- [931] P. M. Borst, H.-T. Goetz, P. S. Sapaty, and W. Zorn. Parallel knowledge processing in open networks. *Lecture Notes in Computer Science*, 797:24–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klauser:1994:DFC**

- [932] A. Klauser and R. Posch. Distributed file caching in parallel architectures utilizing high speed networks. *Lecture Notes in Computer Science*, 797:30–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Westphal:1994:AFD**

- [933] H. Westphal and D. Popovic. Application fundamentals of distributed, high-performance computing and networking systems. *Lecture Notes in Computer Science*, 797:36–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cap:1994:MPW**

- [934] C. H. Cap. Massive parallelism with workstation clusters — challenge or nonsense? *Lecture Notes in Computer Science*, 797:42–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Peltier:1994:NPC**

- [935] J. P. Peltier and P. Christ. Networking perspectives for collaborative supercomputing in European aerospace research and industry. *Lecture Notes in Computer Science*, 797:53–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rill:1994:FAW**

- [936] S. Rill and R. Grosso. Future aerospace working scenarios using high speed networks and supercomputers applied to flow simulation for complete aircraft. *Lecture Notes in Computer Science*, 797:60–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lang:1994:SEC**

- [937] U. Lang. A software environment for cooperative simulation and visualization in the aerospace field. *Lecture Notes in Computer Science*, 797:70–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Causse:1994:IVT**

- [938] S. Causse, F. Juaneda, and M. Grave. Implementation of visualization tools in a distributed environment. *Lecture Notes in Computer Science*, 797:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haas:1994:NIP**

- [939] P. Haas and P. Christ. Networking issues in PAGEIN: The “N” of “HPCN”. *Lecture Notes in Computer Science*, 797:86–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roux:1994:WIL**

- [940] F. X. Roux, J. Ryan, B. Troff, T. H. Le, and K. Dang-Tran. Wavelet interactive in-line analysis with pegase. *Lecture Notes in Computer Science*, 797:94–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Scheidegger:1994:EHC**

- [941] A. Scheidegger. European HPC competitiveness centers for industry. *Lecture Notes in Computer Science*, 797:103–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Iffert:1994:OHP**

- [942] R. Iffert and U. Harms. An open high-performance computing infrastructure in industry. *Lecture Notes in Computer Science*, 797:109–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonniger:1994:CCC**

- [943] T. Bonniger, R. Esser, and D. Krekel. A catalog of classifying characteristics for massively parallel computers. *Lecture Notes in Computer Science*, 797:114–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koski:1994:BPC**

- [944] K. Koski. Building a parallel computing environment from heterogeneous resources. *Lecture Notes in Computer Science*, 797:120–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ramme:1994:DCC**

- [945] F. Ramme, T. Romke, and K. Kremer. A distributed computing center software for the efficient use of parallel computer systems. *Lecture Notes in Computer Science*, 797:129–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fox:1994:ISO**

- [946] G. C. Fox, E. Bogucz, D. A. Jones, K. Mills, M. Podgorny, and K. A. Hawick. InfoMall: A scalable organisation for the development of high-performance computing and communications — software and systems. *Lecture Notes in Computer Science*, 797:137–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Uszok:1994:CMS**

- [947] A. Uszok, A. Krol, and K. Zielinski. Cluster management software for open object-oriented systems. *Lecture Notes in Computer Science*, 797:140–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boryczko:1994:TRP**

- [948] K. Boryczko, M. Bubak, M. Gajecki, J. Kitowski, J. Moscinski, and M. Pogoda. Transmission rates and

performance of a network of computers. *Lecture Notes in Computer Science*, 797:142–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Numrich:1994:MCR**

- [949] R. W. Numrich, P. L. Springer, and J. C. Peterson. Measurement of communication rates on the Cray T3D interprocessor network. *Lecture Notes in Computer Science*, 797:150–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baker:1994:EMC**

- [950] M. Baker and R. Cloke. A evaluation of the Meiko CS-2 using the GENESIS benchmark suite. *Lecture Notes in Computer Science*, 797:158–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agarwal:1994:VHP**

- [951] R. C. Agarwal, F. G. Gustavson, and M. Zubair. A very high-performance algorithm for NAS EP benchmark. *Lecture Notes in Computer Science*, 797:164–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lazou:1994:EPO**

- [952] C. Lazou and G. R. Nudd. Evaluation of parallel operating systems. *Lecture Notes in Computer Science*, 797:170–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hotovy:1994:JES**

- [953] S. Hotovy and T. Sterling. JNNIE: Evaluation of scalable parallel process-

ing architectures. *Lecture Notes in Computer Science*, 797:172–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**vanderVorst:1994:RDH**

- [954] H. A. van der Vorst. Recent developments in hybrid CG methods. *Lecture Notes in Computer Science*, 797:174–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Crone:1994:PCG**

- [955] L. G. C. Crone. The preconditioned conjugate gradient method on distributed memory systems. *Lecture Notes in Computer Science*, 797:184–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**deSturler:1994:CCR**

- [956] E. de Sturler and H. A. van der Vorst. Communication cost reduction for Krylov methods on parallel computers. *Lecture Notes in Computer Science*, 797:190–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Booten:1994:PAM**

- [957] J. G. L. Booten, P. M. Meijer, H. J. J. te Riele, and H. A. van der Vorst. Parallel Arnoldi method for the construction of a Krylov subspace basis: an application in magnetohydrodynamics. *Lecture Notes in Computer Science*, 797:196–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cheng:1994:SPE**

- [958] G. Cheng, G. C. Fox, and K. A. Hawick. A scalable paradigm for effectively-dense matrix formulated applications. *Lecture Notes in Computer Science*, 797:202–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeLuca:1994:ADD**

- [959] L. De Luca and P. Fiorino. Automatic differentiation on distributed memory MIMD systems. *Lecture Notes in Computer Science*, 797:211–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Czezowski:1994:OMH**

- [960] A. Czezowski and P. Strazdins. Optimisations for the memory hierarchy of a singular value decomposition algorithm implemented on the MIMD architecture. *Lecture Notes in Computer Science*, 797:215–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schwardmann:1994:PDL**

- [961] Ulrich Schwardmann. Parallelization and data locality of a multigrid solver on the KSR1. *Lecture Notes in Computer Science*, 797:217–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kiper:1994:PER**

- [962] A. Kiper. On the parallel evaluations of recurrences. *Lecture Notes in Computer Science*, 797:219–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Geuder:1994:IPE**

- [963] U. Geuder, M. Hardtner, B. Worner, and R. Zink. Implementation of a parallel Euler solver with GRIDS. *Lecture Notes in Computer Science*, 797:221–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**deKeyser:1994:DMS**

- [964] J. de Keyser and D. Roose. Distributed mapping of SPMD programs with a generalized Kernighan-Lin heuristic. *Lecture Notes in Computer Science*, 797:227–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johan:1994:MDC**

- [965] Z. Johan, K. K. Mathur, S. L. Johnson, and T. J. R. Hughes. Mesh decomposition and communication procedures for finite element applications on the Connection Machine CM-5 system. *Lecture Notes in Computer Science*, 797:233–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cross:1994:CSP**

- [966] M. Cross, C. S. Ierotheou, S. P. Johnson, and P. F. Leggett. CAP-Tools — semiautomatic parallelization of mesh-based computational mechanics codes. *Lecture Notes in Computer Science*, 797:241–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hempel:1994:MSM**

- [967] R. Hempel. The MPI standard for message passing. *Lecture Notes in*



*Computer Science*, 797:247–252, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sloot:1994:CIO**

- [968] P. M. A. Sloot, A. G. Hoekstra, and L. O. Hertzberger. A comparison of the Iserver-Occam, Parix, Express, and PVM programming environments on a Parsytec GCel. *Lecture Notes in Computer Science*, 797:253–259, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Resch:1994:MPS**

- [969] M. Resch, A. Geiger, and J. Zikeli. Message-passing-systems on workstation clusters and parallel computers — the impact of software- and network-architectures on applications. *Lecture Notes in Computer Science*, 797:260–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saarinen:1994:EES**

- [970] S. Saarinen. EASYPVM — an Enhanced subroutine LibrarY for PVM. *Lecture Notes in Computer Science*, 797:267–272, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dikken:1994:DDL**

- [971] L. Dikken, F. van der Linden, J. Vesseur, and P. M. A. Sloot. DynamicPVM — dynamic load balancing on parallel systems. *Lecture Notes in Computer Science*, 797:273–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Strumpen:1994:LSM**

- [972] V. Strumpen. A large-scale metacomputer approach for distributed parallel computing. *Lecture Notes in Computer Science*, 797:278–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stellner:1994:DAM**

- [973] G. Stellner, A. Bode, S. Lamberts, and Th. Ludwig. Developing applications for multicomputer systems on workstation clusters. *Lecture Notes in Computer Science*, 797:286–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maffeis:1994:SSD**

- [974] S. Maffeis. System support for distributed computing. *Lecture Notes in Computer Science*, 797:293–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Malyshkin:1994:AED**

- [975] V. E. Malyshkin. Assembly environment for development of application parallel program. *Lecture Notes in Computer Science*, 797:302–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hackenberg:1994:MIS**

- [976] R. G. Hackenberg. MaX — investigating shared virtual memory. *Lecture Notes in Computer Science*, 797:308–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pfenning:1994:EMN**

- [977] J.-Th. Pfenning. Experiences with the Mether-NFS virtual shared memory system. *Lecture Notes in Computer Science*, 797:316–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blanco:1994:APP**

- [978] V. Blanco, F. F. Rivera, and O. Plata. Adapting PICL and ParaGraph tools to Transputer-Based multicomputers. *Lecture Notes in Computer Science*, 797:324–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arbenz:1994:STL**

- [979] P. Arbenz, H. P. Luthi, Ch. Sprenger, and S. Vogel. SCIDDLE: A tool for large scale cooperative computing. *Lecture Notes in Computer Science*, 797:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schafers:1994:TGP**

- [980] L. Schafers, C. Scheidler, and O. Kramer-Fuhrmann. TRAPPER: A graphical programming environment for parallel systems. *Lecture Notes in Computer Science*, 797:328–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tritscher:1994:LLP**

- [981] S. Tritscher, R. Zajcew, and M. Barnett. Load leveling on the paragon multicomputer. *Lecture Notes in Computer Science*, 797:330–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fonlupt:1994:DPV**

- [982] C. Fonlupt, P. Marquet, and J.-L. Dekeyser. A data-parallel view of the load balancing — experimental results on MasPar MP-1. *Lecture Notes in Computer Science*, 797:338–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Philippe:1994:DSM**

- [983] L. Philippe and G.-R. Perrin. Distributed scheduling for multicomputers. *Lecture Notes in Computer Science*, 797:344–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hansen:1994:TOP**

- [984] O. Hansen. A tool for optimizing programs on massively parallel computer architectures. *Lecture Notes in Computer Science*, 797:350–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schwarz:1994:CSP**

- [985] J. Schwarz and F. A. Rabhi. A case study in the parallel implementation of functional languages using skeletons. *Lecture Notes in Computer Science*, 797:357–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Feng:1994:DTA**

- [986] T. Feng and Y. Kim. A dynamic task allocation scheme in Benes-type non-blocking networks. *Lecture Notes in Computer Science*, 797:363–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pinti:1994:MDS**

- [987] A. Pinti and J.-C. Grossetie. A methodology for dimensioning SPMD distributed systems applied to industrial applications. *Lecture Notes in Computer Science*, 797:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Naim:1994:DLS**

- [988] O. Naim and A. J. G. Hey. Do-loop-surface: An abstract performance data visualization. *Lecture Notes in Computer Science*, 797:367–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DePietro:1994:GDM**

- [989] G. De Pietro, A. Esposito, and G. Reitano. A graphic distributed monitoring system for Unix-Based architectures. *Lecture Notes in Computer Science*, 797:373–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pouzet:1994:PAD**

- [990] P. Pouzet, J. Paris, and V. Jorrand. Parallel application design: The simulation approach with HASTE. *Lecture Notes in Computer Science*, 797:379–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bemmerl:1994:LDD**

- [991] T. Bemmerl and R. Wismuller. Online distributed debugging on scaleable multicomputer architectures. *Lecture Notes in Computer Science*, 797:394–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vounckx:1994:FPD**

- [992] J. Vounckx, G. Deconinck, R. Lauwereins, G. Viehover, R. Wagner, H. Madeira, J. G. Silva, F. Balbach, J. Altmann, and B. Bieker. The FTMPS-Project: Design and implementation of fault-tolerance techniques for massively parallel systems. *Lecture Notes in Computer Science*, 797:401–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chapman:1994:HPF**

- [993] B. Chapman, H. Zima, and P. Mehrotra. High-Performance Fortran languages: Advanced applications and their implementation. *Lecture Notes in Computer Science*, 797:407–416, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brandes:1994:EHP**

- [994] T. Brandes. Evaluation of High-Performance Fortran on some real applications. *Lecture Notes in Computer Science*, 797:417–422, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coelho:1994:EHC**

- [995] F. Coelho. Experiments with HPF compilation for a network of workstations. *Lecture Notes in Computer Science*, 797:423–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**vanWaveren:1994:HPF**

- [996] G. M. van Waveren. High-Performance Fortran. *Lecture Notes in Computer Science*, 797:429–433, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hanxleden:1994:VBD**

- [997] R. v. Hanxleden, K. Kennedy, and J. Saltz. Value-based distributions in Fortran D. *Lecture Notes in Computer Science*, 797:434–440, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hanson:1994:BLO**

- [998] R. Hanson and T. Leite. Basic linear operators in Fortran 90. *Lecture Notes in Computer Science*, 797:441–444, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sodan:1994:PPS**

- [999] A. Sodan and H. Bi. parLisp — parallel symbolic processing with Lisp on the distributed memory machine MANNA. *Lecture Notes in Computer Science*, 797:445–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dion:1994:PCW**

- [1000] M. Dion, Y. Robert, and J.-L. Philippe. Parallelizing compilers: What can be achieved? *Lecture Notes in Computer Science*, 797:447–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clint:1994:FDP**

- [1001] M. Clint, S. Fitzpatrick, T. J. Harmer, P. L. Kilpatrick, and J. M. Boyle. A family of data-parallel derivations. *Lecture Notes in Computer Science*, 797:457–??, 1994. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Crooks:1994:ADD**

- [1002] P. Crooks and R. H. Perrott. Automatic data distribution. *Lecture Notes in Computer Science*, 797:463–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Perrin:1994:SSA**

- [1003] G.-R. Perrin. Some synthesis aspects for data parallel programming. *Lecture Notes in Computer Science*, 797:469–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kuster:1994:IFF**

- [1004] U. Kuster and M. Zurn. Influence of Fortran 90 features on performance on Cray vector computer systems. *Lecture Notes in Computer Science*, 797:475–483, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dzwinel:1994:MPW**

- [1005] W. Dzwinel. Mapping of patterns — the way of insight into multi-dimensional data structures. *Lecture Notes in Computer Science*, 797:484–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schimmler:1994:ISA**

- [1006] M. Schimmler, H.-W. Lang, and R. Maab. The instruction systolic array — implementation of a low-cost parallel architecture as add-on board for personal computers. *Lecture Notes in*

*Computer Science*, 797:487–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alherbish:1994:BBF**

- [1007] J. S. Alherbish. The BBN Butterfly family: An overview. *Lecture Notes in Computer Science*, 797:489–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mamatov:1994:APR**

- [1008] Y. A. Mamatov and V. P. Yemelin. Architectural principles of the RPM. *Lecture Notes in Computer Science*, 797:491–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saini:1994:API**

- [1009] S. Saini and H. D. Simon. Applications performance on Intel Paragon XP/S-15. *Lecture Notes in Computer Science*, 797:493–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Casari:1994:SRE**

- [1010] C. Casari, C. Catelli, M. Guanzioli, M. Mazzeo, G. Meola, S. Punzi, A. L. Scheinine, and P. Stofella. Status report on ESPRIT project P7519 palace: Parallelization of GEANT. *Lecture Notes in Computer Science*, 797:499–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amato:1994:PEP**

- [1011] M. Amato, A. Matrone, and P. Schiano. A practical experience in parallelizing a large CFD code: The EN-SOLV flow solver. *Lecture Notes in*

*Computer Science*, 797:508–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abreu:1994:DAI**

- [1012] S. Abreu and L. M. Pereira. Design for AKL with intelligent pruning. *Lecture Notes in Computer Science*, 798:3–10, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alferes:1994:CWA**

- [1013] J. J. Alferes and L. M. Pereira. Contradiction: When avoidance equals removal, part I. *Lecture Notes in Computer Science*, 798:11–23, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amrhein:1994:BHT**

- [1014] B. Amrhein. Birkhoff's HSP-Theorem for cumulative logic programs. *Lecture Notes in Computer Science*, 798:24–36, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boley:1994:FDE**

- [1015] H. Boley. Finite domains and exclusions as first-class citizens. *Lecture Notes in Computer Science*, 798:37–61, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ciampolini:1994:SER**

- [1016] A. Ciampolini, E. Lamma, P. Mello, and C. Stefanelli. Some experimental results in implementing a logic language with multi-head clauses on a transputer architecture. *Lecture Notes in Computer Science*, 798:62–76, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dovier:1994:LFS**

- [1017] A. Dovier. A language with finite sets embedded in the CLP-Scheme. *Lecture Notes in Computer Science*, 798:77–93, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eriksson:1994:FPI**

- [1018] L.-H. Eriksson. Finitary partial inductive definitions as a general logic. *Lecture Notes in Computer Science*, 798:94–119, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Falkman:1994:PMG**

- [1019] G. Falkman and O. Torgersson. Programming methodologies in GCLA. *Lecture Notes in Computer Science*, 798:120–151, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hinkelmann:1994:CCE**

- [1020] K. Hinkelmann and H. Hintze. Computing cost estimates for proof strategies. *Lecture Notes in Computer Science*, 798:152–170, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hodas:1994:LPM**

- [1021] J. S. Hodas. Logic programming with multiple context management schemes. *Lecture Notes in Computer Science*, 798:171–182, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keronen:1994:NPL**

- [1022] S. Keronen. Non-procedural logic programming. *Lecture Notes in Computer*

*Science*, 798:183–195, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kreuger:1994:ADC**

- [1023] P. Kreuger. Axioms in definitional calculi. *Lecture Notes in Computer Science*, 798:196–205, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Miller:1994:PML**

- [1024] D. Miller. A proposal for modules in Lambda-Prolog. *Lecture Notes in Computer Science*, 798:206–221, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Momigliano:1994:RSS**

- [1025] A. Momigliano and M. Ornaghi. Regular search spaces as a foundation of logic programming. *Lecture Notes in Computer Science*, 798:222–254, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pearce:1994:ASN**

- [1026] D. Pearce. Answer sets and nonmonotonic S4. *Lecture Notes in Computer Science*, 798:255–267, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pereira:1994:CWA**

- [1027] L. M. Pereira and J. J. Alferes. Contradiction: When avoidance equals removal, part II. *Lecture Notes in Computer Science*, 798:268–281, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pinto:1994:CFL**

- [1028] L. Pinto. Cut formulae and logic programming. *Lecture Notes in Computer Science*, 798:282–300, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reddy:1994:HOA**

- [1029] U. S. Reddy. Higher-order aspects of logic programming. *Lecture Notes in Computer Science*, 798:301–321, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ribeiro:1994:RIC**

- [1030] C. Ribeiro and A. Porto. Representation and inference with consistent temporal propositions. *Lecture Notes in Computer Science*, 798:322–332, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schroeder-Heister:1994:DRC**

- [1031] P. Schroeder-Heister. Definitional reflection and the completion. *Lecture Notes in Computer Science*, 798:333–347, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zlatuska:1994:LLS**

- [1032] J. Zlatuska. Linear logic semantics for concurrent prolog. *Lecture Notes in Computer Science*, 798:348–360, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Singh:1994:MST**

- [1033] M. P. Singh. Multiagent systems: A theoretical framework for intentions, know-how, and communications. *Lecture Notes in Computer Science*, 799:

xxiii + 168, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Malladi:1994:EFT**

- [1034] R. Malladi, J. A. Sethian, and B. C. Vemuri. Evolutionary fronts for topology-independent shape modeling and recovery. *Lecture Notes in Computer Science*, 800:3–13, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dickinson:1994:AOR**

- [1035] S. J. Dickinson, H. I. Christensen, J. K. Tsotsos, and J. G. Olofsson. Active object recognition integrating attention and viewpoint control. *Lecture Notes in Computer Science*, 800:3–14, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giblin:1994:EFS**

- [1036] P. J. Giblin and R. S. Weiss. Epipolar fields on surfaces. *Lecture Notes in Computer Science*, 800:14–23, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vinther:1994:AOR**

- [1037] S. Vinther and R. Cipolla. Active 3D object recognition using 3D affine invariants. *Lecture Notes in Computer Science*, 800:15–24, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weinshall:1994:SLV**

- [1038] D. Weinshall, M. Werman, and N. Tishby. Stability and likelihood of views of three dimensional objects. *Lecture Notes in Computer Science*, 800: 24–35, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Taylor:1994:GAC**

- [1039] M. J. Taylor and A. Blake. Grasping the apparent contour. *Lecture Notes in Computer Science*, 800:25–34, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rehg:1994:VTH**

- [1040] J. M. Rehg and T. Kanade. Visual tracking of high DOF articulated structures: An application to human hand tracking. *Lecture Notes in Computer Science*, 800:35–46, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Williams:1994:TRS**

- [1041] L. R. Williams. Topological reconstruction of a smooth manifold-solid from its occluding contour. *Lecture Notes in Computer Science*, 800:36–50, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Crowley:1994:ICR**

- [1042] J. L. Crowley, J. M. Bedrone, M. Bekker, and M. Schneider. Integration and control of reactive visual processes. *Lecture Notes in Computer Science*, 800:47–60, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Otte:1994:OFE**

- [1043] M. Otte and H.-H. Nagel. Optical flow estimation: advances and comparisons. *Lecture Notes in Computer Science*, 800:51–60, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tistarelli:1994:MCO**

- [1044] M. Tistarelli. Multiple constraints for optical flow. *Lecture Notes in Computer Science*, 800:61–70, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Soatto:1994:MEE**

- [1045] S. Soatto, R. Frezza, and P. Perona. Motion estimation on the essential manifold. *Lecture Notes in Computer Science*, 800:61–72, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papadopoulo:1994:MFC**

- [1046] T. Papadopoulo and O. Faugeras. Motion field of curves: applications. *Lecture Notes in Computer Science*, 800:71–82, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shapiro:1994:MPM**

- [1047] L. S. Shapiro, A. Zisserman, and M. Brady. Motion from point matches using affine epipolar geometry. *Lecture Notes in Computer Science*, 800:73–84, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carlsson:1994:SIS**

- [1048] S. Carlsson. Sufficient image structure for 3-D motion and shape estimation. *Lecture Notes in Computer Science*, 800:83–94, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beardsley:1994:NUA**

- [1049] P. A. Beardsley, A. Zisserman, and D. W. Murray. Navigation using affine



structure from motion. *Lecture Notes in Computer Science*, 800:85–96, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Xu:1994:CBS**

- [1050] C. Xu and S. A. Velastin. A comparison between the standard Hough transform and the Mahalanobis distance Hough transform. *Lecture Notes in Computer Science*, 800:95–100, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Poelman:1994:PFM**

- [1051] C. J. Poelman and T. Kanade. A paraperspective factorization method for shape and motion recovery. *Lecture Notes in Computer Science*, 800:97–110, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Michaelis:1994:JCM**

- [1052] M. Michaelis and G. Sommer. Junction classification by multiple orientation detection. *Lecture Notes in Computer Science*, 800:101–108, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vasselle:1994:FCC**

- [1053] B. Vasselle, G. Giraudon, and M. Berthod. Following corners on curves and surfaces in the scale space. *Lecture Notes in Computer Science*, 800:109–114, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sundareswaran:1994:ACS**

- [1054] V. Sundareswaran, P. Bouthemy, and F. Chaumette. Active camera self-

orientation using dynamic image parameters. *Lecture Notes in Computer Science*, 800:111–116, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kube:1994:SSP**

- [1055] P. Kube and P. Perona. Scale-space properties of quadratic edge detectors. *Lecture Notes in Computer Science*, 800:115–124, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maver:1994:POS**

- [1056] J. Maver, A. Leonardis, and F. Solina. Planning the optimal set of views using the max-min principle. *Lecture Notes in Computer Science*, 800:117–122, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grosso:1994:PAE**

- [1057] E. Grosso. On perceptual advantages of eye-head active control. *Lecture Notes in Computer Science*, 800:123–130, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amini:1994:SFF**

- [1058] A. A. Amini. A scalar function formulation for optical flow. *Lecture Notes in Computer Science*, 800:125–131, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Malandain:1994:IRD**

- [1059] G. Malandain, S. Fernandez-Vidal, and J. M. Rocchisani. Improving registration of 3-D medical images using a mechanical based method. *Lecture Notes in Computer Science*, 800:131–136,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tunley:1994:FOO**

- [1060] H. Tunley and D. Young. First order optic flow from log-polar sampled images. *Lecture Notes in Computer Science*, 800:132–137, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Christmas:1994:NIC**

- [1061] B. Christmas, J. Kittler, and M. Petrou. Non-iterative contextual correspondence matching. *Lecture Notes in Computer Science*, 800:137–142, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Black:1994:RNL**

- [1062] M. J. Black. Recursive non-linear estimation of discontinuous flow fields. *Lecture Notes in Computer Science*, 800:138–145, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kita:1994:RMR**

- [1063] Y. Kita. A registration method for rigid objects without point matching. *Lecture Notes in Computer Science*, 800:143–150, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giachetti:1994:UOF**

- [1064] A. Giachetti, M. Campani, and V. Torre. The use of optical flow for the autonomous navigation. *Lecture Notes in Computer Science*, 800:146–151, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zabih:1994:NPL**

- [1065] R. Zabih and J. Woodfill. Non-parametric local transforms for computing visual correspondence. *Lecture Notes in Computer Science*, 800:151–158, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Germain:1994:IME**

- [1066] F. Germain and T. Skordas. An image motion estimation technique based on a combined statistical test and spatiotemporal generalised likelihood ratio approach. *Lecture Notes in Computer Science*, 800:152–160, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Manmatha:1994:MAT**

- [1067] R. Manmatha. Measuring the affine transform using Gaussian filters. *Lecture Notes in Computer Science*, 800:159–164, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sinclair:1994:IMS**

- [1068] D. Sinclair and B. Boufama. Independent motion segmentation and collision prediction for road vehicles. *Lecture Notes in Computer Science*, 800:161–166, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sato:1994:EAT**

- [1069] J. Sato and R. Cipolla. Extracting the affine transformation from texture moments. *Lecture Notes in Computer Science*, 800:165–172, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Luthon:1994:MBM**

- [1070] F. Luthon, G. V. Popescu, and A. Caplier. An MRF based motion detection algorithm implemented on analog resistive network. *Lecture Notes in Computer Science*, 800:167–174, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fitzgibbon:1994:LFD**

- [1071] A. W. Fitzgibbon and R. B. Fisher. Lack-of-fit detection using the run-distribution test. *Lecture Notes in Computer Science*, 800:173–178, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Geiger:1994:OAM**

- [1072] D. Geiger and K. J. Diamantaras. Occlusion ambiguities in motion. *Lecture Notes in Computer Science*, 800:175–180, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Intille:1994:DSI**

- [1073] S. S. Intille and A. F. Bobick. Disparity-space images and large occlusion stereo. *Lecture Notes in Computer Science*, 800:179–186, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Borri:1994:RTM**

- [1074] A. Borri, G. Bucci, and P. Nesi. A robust tracking of 3D motion. *Lecture Notes in Computer Science*, 800:181–188, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gourdon:1994:RCS**

- [1075] A. Gourdon and N. Ayache. Registration of a curve on a surface using differential properties. *Lecture Notes in Computer Science*, 800:187–192, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koller:1994:RMC**

- [1076] D. Koller, J. Weber, and J. Malik. Robust multiple car tracking with occlusion reasoning. *Lecture Notes in Computer Science*, 800:189–198, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vaillant:1994:GAA**

- [1077] R. Vaillant and L. Gueguen. Genetic algorithms applied to binocular stereovision. *Lecture Notes in Computer Science*, 800:193–200, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boufama:1994:SMA**

- [1078] B. Boufama, D. Weinshall, and M. Werman. Shape from motion algorithms: a comparative analysis of scaled orthography and perspective. *Lecture Notes in Computer Science*, 800:199–204, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Herlin:1994:SEI**

- [1079] I. L. Herlin, D. Bereziat, G. Giraudon, and C. Nguyen. Segmentation of echocardiographic images with Markov random fields. *Lecture Notes in Computer Science*, 800:201–206, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lawn:1994:REE**

- [1080] J. M. Lawn and R. Cipolla. Robust egomotion estimation from affine motion parallax. *Lecture Notes in Computer Science*, 800:205–210, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Derras:1994:URS**

- [1081] M. Derras, C. Debain, M. Berducot, and P. Bonton. Unsupervised regions segmentation: Real time control of an upkeep machine of natural spaces. *Lecture Notes in Computer Science*, 800:207–212, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sull:1994:IAF**

- [1082] S. Sull and N. Ahuja. Integrated 3D analysis of flight image sequences. *Lecture Notes in Computer Science*, 800:211–216, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Younes:1994:SIR**

- [1083] L. Younes. Synchronous image restoration. *Lecture Notes in Computer Science*, 800:213–217, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McLauchlan:1994:RAS**

- [1084] P. F. McLauchlan, I. D. Reid, and D. W. Murray. Recursive affine structure and motion from image sequences. *Lecture Notes in Computer Science*, 800:217–224, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weidner:1994:PIP**

- [1085] U. Weidner. Parameterfree information-preserving surface restoration. *Lecture Notes in Computer Science*, 800:218–226, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shen:1994:SMI**

- [1086] X. Shen and D. Hogg. Shape models from image sequences. *Lecture Notes in Computer Science*, 800:225–230, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Langer:1994:SVI**

- [1087] M. S. Langer and S. W. Zucker. Spatially varying illumination: A computational model of converging and diverging sources. *Lecture Notes in Computer Science*, 800:227–234, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nastar:1994:VMN**

- [1088] C. Nastar. Vibration modes for nonrigid motion analysis in 3D images. *Lecture Notes in Computer Science*, 800:231–238, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ohta:1994:RIS**

- [1089] Y. Ohta and Y. Hayashi. Recovery of illuminant and surface colors from images based on the CIE daylight. *Lecture Notes in Computer Science*, 800:235–246, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lindenbaum:1994:AVD**

- [1090] M. Lindenbaum and S. Ben-David. Applying VC-dimension analysis to object recognition. *Lecture Notes in Computer Science*, 800:239–250, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wolff:1994:DSU**

- [1091] L. B. Wolff and E. Angelopoulou. 3-D stereo using photometric ratios. *Lecture Notes in Computer Science*, 800:247–258, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Havaldar:1994:EGR**

- [1092] P. Havaldar, G. Medioni, and F. Stein. Extraction of groups for recognition. *Lecture Notes in Computer Science*, 800:251–261, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dupuis:1994:SSP**

- [1093] P. Dupuis and J. Oliensis. Shape from shading: provably convergent algorithms and uniqueness results. *Lecture Notes in Computer Science*, 800:259–268, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hel-Or:1994:MBP**

- [1094] Y. Hel-Or and M. Werman. Model based pose estimation of articulated and constrained objects. *Lecture Notes in Computer Science*, 800:262–273, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oren:1994:SBL**

- [1095] M. Oren and S. K. Nayar. Seeing beyond Lambert's law. *Lecture Notes in Computer Science*, 800:269–280, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ballard:1994:SBO**

- [1096] D. H. Ballard and R. P. N. Rao. Seeing behind occlusions. *Lecture Notes in Computer Science*, 800:274–285, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fua:1994:UDM**

- [1097] P. Fua and Y. G. Leclerc. Using 3-dimensional meshes to combine image-based and geometry-based constraints. *Lecture Notes in Computer Science*, 800:281–294, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moses:1994:FRP**

- [1098] Y. Moses, Y. Adini, and S. Ullman. Face recognition: the problem of compensating for changes in illumination direction. *Lecture Notes in Computer Science*, 800:286–298, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Proesmans:1994:DOF**

- [1099] M. Proesmans, L. J. VanGool, E. Pauwels, and A. Oosterlinck. Determination of optical flow and its discontinuities using non-linear diffusion. *Lecture Notes in Computer Science*, 800:295–304, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baumberg:1994:LFM**

- [1100] A. Baumberg and D. Hogg. Learning flexible models from image sequences. *Lecture Notes in Computer Science*, 800:299–308, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nagel:1994:MBD**

- [1101] H.-H. Nagel, G. Socher, H. Kollnig, and M. Otte. Motion boundary detection in image sequences by local stochastic tests. *Lecture Notes in Computer Science*, 800:305–315, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leonardis:1994:DRS**

- [1102] A. Leonardis, F. Solina, and A. Macerl. A direct recovery of superquadric models in range images using recover-and-select paradigm. *Lecture Notes in Computer Science*, 800:309–318, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ayer:1994:SMO**

- [1103] S. Ayer, P. Schroeter, and J. Biguen. Segmentation of moving objects by robust motion parameter estimation over multiple frames. *Lecture Notes in Computer Science*, 800:316–327, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zerroug:1994:SRS**

- [1104] M. Zerroug and R. Nevatia. Segmentation and recovery of SHGCs from a real intensity image. *Lecture Notes in Computer Science*, 800:319–330, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Torr:1994:SMC**

- [1105] P. H. S. Torr and D. W. Murray. Stochastic motion clustering. *Lecture Notes in Computer Science*, 800:328–337, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Davis:1994:RHG**

- [1106] J. Davis and M. Shah. Recognizing hand gestures. *Lecture Notes in Computer Science*, 800:331–340, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kollnig:1994:AMV**

- [1107] H. Kollnig, H.-H. Nagel, and M. Otte. Association of motion verbs with vehicle movements extracted from dense optical flow fields. *Lecture Notes in Computer Science*, 800:338–350, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Worrall:1994:PRA**

- [1108] A. D. Worrall, G. D. Sullivan, and K. D. Baker. Pose refinement of active models using forces in 3D. *Lecture Notes in Computer Science*, 800:341–352, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaelviaainen:1994:CPN**

- [1109] H. Kaelviaainen, P. Hirvonen, L. Xu, and E. Oja. Comparisons of probabilistic and non-probabilistic Hough transforms. *Lecture Notes in Computer Science*, 800:351–360, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Malik:1994:RSC**

- [1110] J. Malik and R. Rosenholtz. Recovering surface curvature and orientation from texture distortion: a least squares algorithm and sensitivity analysis. *Lecture Notes in Computer Science*, 800:353–364, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:MRF**

- [1111] S. Z. Li. Markov random field models in computer vision. *Lecture Notes in Computer Science*, 800:361–370, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gaarding:1994:DEL**

- [1112] J. Gaarding and T. Lindeberg. Direct estimation of local surface shape in a fixating binocular vision system. *Lecture Notes in Computer Science*, 800:365–376, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Henricsson:1994:RKP**

- [1113] O. Henricsson and F. Heitger. The role of key-points in finding contours. *Lecture Notes in Computer Science*, 800:371–382, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Robert:1994:DOC**

- [1114] L. Robert and M. Hebert. Deriving orientation cues from stereo images. *Lecture Notes in Computer Science*, 800:377–388, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Foerstner:1994:FLL**

- [1115] W. Foerstner. A framework for low level feature extraction. *Lecture Notes in Computer Science*, 800:383–396, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lindeberg:1994:SAS**

- [1116] T. Lindeberg and J. Gaarding. Shape-adapted smoothing in estimation of 3-D depth cues from affine distortions of local 2-D brightness structure. *Lecture Notes in Computer Science*, 800:389–402, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Feldmar:1994:RAR**

- [1117] J. Feldmar and N. Ayache. Rigid and affine registration of smooth surfaces using differential properties. *Lecture Notes in Computer Science*, 800:397–406, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zabrodsky:1994:USR**

- [1118] H. Zabrodsky and D. Weinshall. Utilizing symmetry in the reconstruction of three-dimensional shape from noisy images. *Lecture Notes in Computer Science*, 800:403–410, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shashua:1994:QRS**

- [1119] A. Shashua and S. Toelg. The quadric reference surface: Applications in registering views of complex 3D objects. *Lecture Notes in Computer Science*, 800:407–416, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Heyden:1994:CCL**

- [1120] A. Heyden. Consistency and correction of line-drawing, obtained by projections of piecewise planar objects. *Lecture Notes in Computer Science*, 800:411–420, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhao:1994:RRB**

- [1121] C. S. Zhao and R. Mohr. Relative 3D regularized B-spline surface reconstruction through image sequences. *Lecture Notes in Computer Science*, 800:417–426, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Petitjean:1994:EGA**

- [1122] S. Petitjean. On the enumerative geometry of aspect graphs. *Lecture Notes in Computer Science*, 800:421–426, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fiddelaers:1994:GDC**

- [1123] P. Fiddelaers, E. J. Pauwels, and L. J. Van Gool. Geometry-driven curve evolution. *Lecture Notes in Computer Science*, 800:427–432, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Delingette:1994:ISP**

- [1124] H. Delingette. Intrinsic stabilizers of planar curves. *Lecture Notes in Computer Science*, 800:427–438, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hartley:1994:QMM**

- [1125] R. J. Hartley, A. Noble, J. Grande, and J. Liu. Quantitative measurement of manufactured diamond shape. *Lecture Notes in Computer Science*, 800:433–440, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aastroem:1994:APN**

- [1126] K. Aastroem. Affine and projective normalization of planar curves and regions. *Lecture Notes in Computer Science*, 800:439–448, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koh:1994:HSR**

- [1127] E. Koh, D. Metaxas, and N. Badler. Hierarchical shape representation using locally adaptive finite elements. *Lecture Notes in Computer Science*, 800:441–448, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Daucher:1994:CCS**

- [1128] N. Daucher, M. Dhome, and J. T. Lapreste. Camera calibration from spheres images. *Lecture Notes in Computer Science*, 800:449–454, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sapiro:1994:ALP**

- [1129] G. Sapiro and A. Tannenbaum. Area and length preserving geometric invariant scale-spaces. *Lecture Notes in Computer Science*, 800:449–458, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Horaud:1994:SCS**

- [1130] R. Horaud, F. Dornaika, B. Boufama, and R. Mohr. Self calibration of a stereo head mounted onto a robot arm. *Lecture Notes in Computer Science*, 800:455–462, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Quan:1994:IPU**

- [1131] L. Quan. Invariants of 6 points from 3 uncalibrated images. *Lecture Notes in Computer Science*, 800:459–470, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ponce:1994:AMU**

- [1132] J. Ponce, D. H. Marimont, and T. A. Cass. Analytical methods for uncalibrated stereo and motion reconstruction. *Lecture Notes in Computer Science*, 800:463–470, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hartley:1994:SCM**

- [1133] R. J. Hartley. Self-calibration from multiple views with a rotating camera. *Lecture Notes in Computer Science*, 800:471–478, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sparr:1994:CFK**

- [1134] G. Sparr. A common framework for kinetic depth, reconstruction and motion for deformable objects. *Lecture Notes in Computer Science*, 800:471–481, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shashua:1994:TVR**

- [1135] A. Shashua. Trilinearity in visual recognition by alignment. *Lecture Notes in Computer Science*, 800:479–484, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Faugeras:1994:WCT**

- [1136] O. Faugeras and L. Robert. What can two images tell us about a third one? *Lecture Notes in Computer Science*, 800:485–494, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Piccioli:1994:RMR**

- [1137] G. Piccioli, E. De Micheli, and M. Campani. A robust method for road sign detection and recognition. *Lecture Notes in Computer Science*, 800:495–500, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tan:1994:PDR**

- [1138] T. N. Tan, G. D. Sullivan, and K. D. Baker. Pose determination and recognition of vehicles in traffic scenes. *Lecture Notes in Computer Science*, 800:501–506, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fisher:1994:PCT**

- [1139] R. B. Fisher. Performance comparison of ten variations on the interpretation-tree matching algorithm. *Lecture Notes in Computer Science*, 800:507–512, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Matsuno:1994:RHF**

- [1140] K. Matsuno, C. W. Lee, and S. Tsuji. Recognition of human facial expressions without feature extraction. *Lecture Notes in Computer Science*, 800:513–520, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Derou:1994:PNN**

- [1141] D. Derou and L. Herault. Pulsed neural networks and perceptive grouping. *Lecture Notes in Computer Science*, 800:521–526, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanDiest:1994:PIP**

- [1142] M. Van Diest, L. J. Van Gool, T. Moons, and E. J. Pauwels. Projective invariants for planar contour recognition. *Lecture Notes in Computer Science*, 800:527–534, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cooper:1994:DWF**

- [1143] P. R. Cooper, L. A. Birnbaum, D. Halabe, and M. Brand. Divided we fall: Resolving occlusions using causal reasoning. *Lecture Notes in Computer Science*, 800:535–542, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:CCH**

- [1144] M. Li. Camera calibration of a head-eye system for active vision. *Lecture Notes in Computer Science*, 800:543–554, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hartley:1994:LPC**

- [1145] R. J. Hartley and R. Gupta. Linear pushbroom cameras. *Lecture Notes in Computer Science*, 800:555–566, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Deriche:1994:RRE**

- [1146] R. Deriche, Z. Zhang, Q.-T. Luong, and O. Faugeras. Robust recovery of the epipolar geometry for an uncalibrated stereo rig. *Lecture Notes in Computer Science*, 800:567–576, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Luong:1994:SAF**

- [1147] Q.-T. Luong and O. Faugeras. A stability analysis of the fundamental matrix. *Lecture Notes in Computer Science*, 800:577–588, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Luong:1994:CRG**

- [1148] Q.-T. Luong and T. Vieville. Canonic representations for the geometries of multiple projective views. *Lecture Notes in Computer Science*, 800:589–599, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aczel:1994:FUP**

- [1149] P. Aczel. Final universes of processes. *Lecture Notes in Computer Science*, 802:1–28, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- Curien:1994:SS**
- [1150] P.-L. Curien. On the symmetry of sequentiality. *Lecture Notes in Computer Science*, 802:29–71, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Pitts:1994:CAM**
- [1151] A. M. Pitts. Computational adequacy via “mixed” inductive definitions. *Lecture Notes in Computer Science*, 802:72–82, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Rutten:1994:SCI**
- [1152] J. Rutten. A structural co-induction theorem. *Lecture Notes in Computer Science*, 802:83–102, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- VanBreugel:1994:TMD**
- [1153] F. Van Breugel. Three metric domains of processes for bisimulation. *Lecture Notes in Computer Science*, 802:103–121, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- DeBakker:1994:TMH**
- [1154] J. W. De Bakker and F. Van Breugel. Topological models for higher order control flow. *Lecture Notes in Computer Science*, 802:122–142, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Sangiorgi:1994:IFP**
- [1155] D. Sangiorgi. An investigation into functions as processes. *Lecture Notes in Computer Science*, 802:143–159, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Larsen:1994:TAB**
- [1156] K. G. Larsen and W. Yi. Time abstracted bisimulation: Implicit specifications and decidability. *Lecture Notes in Computer Science*, 802:160–176, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Schneider:1994:TRC**
- [1157] S. Schneider. Timewise refinement for communicating processes. *Lecture Notes in Computer Science*, 802:177–214, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Chen:1994:ART**
- [1158] L. Chen. Axiomatising real-time processes. *Lecture Notes in Computer Science*, 802:215–229, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Scholefield:1994:PSR**
- [1159] D. Scholefield, H. Zedan, and H. Jifeng. A predicative semantics for the refinement of real-time systems. *Lecture Notes in Computer Science*, 802:230–249, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Best:1994:CPS**
- [1160] E. Best and H.-G. Linde-Goeers. Compositional process semantics of Petri boxes. *Lecture Notes in Computer Science*, 802:250–270, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pinna:1994:SER**

- [1161] G. M. Pinna and A. Poigne. On the specification of elementary reactive behaviour. *Lecture Notes in Computer Science*, 802:271–292, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jeffrey:1994:CAM**

- [1162] A. Jeffrey. A chemical abstract machine for graph reduction. *Lecture Notes in Computer Science*, 802:293–303, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mulry:1994:LTK**

- [1163] P. S. Mulry. Lifting theorems for Kleisli categories. *Lecture Notes in Computer Science*, 802:304–319, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brookes:1994:SFI**

- [1164] S. Brookes and S. Geva. Sequential functions on indexed domains and full abstraction for a sub-language of PCF. *Lecture Notes in Computer Science*, 802:320–332, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bucciarelli:1994:AAS**

- [1165] A. Bucciarelli. Another approach to sequentiality: Kleene’s unimonotone functions. *Lecture Notes in Computer Science*, 802:333–358, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stoughton:1994:MLR**

- [1166] A. Stoughton. Mechanizing logical relations. *Lecture Notes in Computer*

*Science*, 802:359–377, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bloom:1994:SQV**

- [1167] S. L. Bloom and Z. Esik. Some quasi-varieties of iteration theories. *Lecture Notes in Computer Science*, 802:378–409, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Heckmann:1994:PPD**

- [1168] R. Heckmann. Probabilistic power domains, information systems, and locales. *Lecture Notes in Computer Science*, 802:410–437, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huth:1994:LDL**

- [1169] M. Huth. Linear domains and linear maps. *Lecture Notes in Computer Science*, 802:438–453, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1994:UQP**

- [1170] G.-Q. Zhang. Universal quasi-prime algebraic domains. *Lecture Notes in Computer Science*, 802:454–473, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blute:1994:HME**

- [1171] R. F. Blute, P. Panangaden, and R. A. G. Seely. Holomorphic models of exponential types in linear logic. *Lecture Notes in Computer Science*, 802:474–512, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wadler:1994:SLL**

- [1172] P. Wadler. A syntax for linear logic. *Lecture Notes in Computer Science*, 802:513–529, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rabinovich:1994:CAT**

- [1173] A. Rabinovich. A complete axiomatisation for trace congruence of finite state behaviors. *Lecture Notes in Computer Science*, 802:530–543, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kopperman:1994:ATC**

- [1174] R. D. Kopperman and R. C. Flagg. The asymmetric topology of computer science. *Lecture Notes in Computer Science*, 802:544–553, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Calbrix:1994:UPW**

- [1175] H. Calbrix, M. Nivat, and A. Podelski. Ultimately periodic words of rational  $w$ -languages. *Lecture Notes in Computer Science*, 802:554–566, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fiech:1994:CDF**

- [1176] A. Fiech. Category of delta-functors. *Lecture Notes in Computer Science*, 802:567–586, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Banerjee:1994:CIL**

- [1177] A. Banerjee and D. A. Schmidt. A categorical interpretation of Landin’s correspondence principle. *Lecture Notes in*

*Computer Science*, 802:587–602, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bruce:1994:OST**

- [1178] K. B. Bruce, J. Crabtree, and G. Kanapathy. An operational semantics for TOOPLE: A statically-typed object-oriented programming language. *Lecture Notes in Computer Science*, 802:603–626, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Danvy:1994:TBD**

- [1179] O. Danvy and J. Hatcliff. On the transformation between direct and continuation semantics. *Lecture Notes in Computer Science*, 802:627–648, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benveniste:1994:DFS**

- [1180] A. Benveniste, P. Caspi, P. Le Guernic, and N. Halbwachs. Data-flow synchronous languages. *Lecture Notes in Computer Science*, 803:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bergstra:1994:PAB**

- [1181] J. A. Bergstra, A. Ponse, and J. J. Van Wamel. Process algebra with backtracking. *Lecture Notes in Computer Science*, 803:46–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boudol:1994:SCA**

- [1182] G. Boudol. Some chemical abstract machines. *Lecture Notes in Computer Science*, 803:92–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clarke:1994:VTF**

- [1183] E. Clarke, O. Grumberg, and D. Long. Verification tools for finite-state concurrent systems. *Lecture Notes in Computer Science*, 803:124–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Engberg:1994:LLP**

- [1184] U. Engberg and G. Winskel. Linear logic on Petri nets. *Lecture Notes in Computer Science*, 803:176–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jensen:1994:ITA**

- [1185] K. Jensen. An introduction to the theoretical aspects of coloured Petri nets. *Lecture Notes in Computer Science*, 803:230–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kesten:1994:TVS**

- [1186] Y. Kesten, Z. Manna, and A. Pnueli. Temporal verification of simulation and refinement. *Lecture Notes in Computer Science*, 803:273–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lamport:1994:VSC**

- [1187] L. Lamport. Verification and specification of concurrent programs. *Lecture Notes in Computer Science*, 803:347–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lynch:1994:STP**

- [1188] N. Lynch. Simulation techniques for proving properties of real-time systems. *Lecture Notes in Computer Science*, 803:375–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nielsen:1994:RBM**

- [1189] M. Nielsen, V. Sassone, and G. Winskel. Relationships between models of concurrency. *Lecture Notes in Computer Science*, 803:425–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parrow:1994:ID**

- [1190] J. Parrow. Interaction diagrams. *Lecture Notes in Computer Science*, 803:477–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parrow:1994:ATN**

- [1191] J. Parrow and D. Sangiorgi. Algebraic theories for name-passing calculi. *Lecture Notes in Computer Science*, 803:509–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rutten:1994:IAF**

- [1192] J. Rutten and D. Turi. Initial algebra and final coalgebra semantics for concurrency. *Lecture Notes in Computer Science*, 803:530–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thomas:1994:LSI**

- [1193] W. Thomas and H. Lescow. Logical specifications of infinite compu-

tations. *Lecture Notes in Computer Science*, 803:583–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zwiers:1994:POB**

- [1194] J. Zwiers and W. Janssen. Partial order based design of concurrent systems. *Lecture Notes in Computer Science*, 803:622–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hernandez:1994:QRS**

- [1195] D. Hernandez. Qualitative representation of spatial knowledge. *Lecture Notes in Computer Science*, 804:ix + 202, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pippenger:1994:JN**

- [1196] N. Pippenger. Juggling networks. *Lecture Notes in Computer Science*, 805:1–12, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dixon:1994:OPV**

- [1197] B. Dixon and R. E. Tarjan. Optimal parallel verification of minimum spanning trees in logarithmic time. *Lecture Notes in Computer Science*, 805:13–22, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Greenlaw:1994:PCA**

- [1198] R. Greenlaw and J. Machta. The parallel complexity of algorithms for pattern formation models. *Lecture Notes in Computer Science*, 805:23–34, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Waack:1994:PCI**

- [1199] S. Waack. On the parallel complexity of iterated multiplication in rings of algebraic integers. *Lecture Notes in Computer Science*, 805:35–44, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liang:1994:NAR**

- [1200] Y. D. Liang, R. Greenlaw, and G. Manacher. NC02 algorithms regarding Hamiltonian paths and circuits in interval graphs. *Lecture Notes in Computer Science*, 805:45–58, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dixon:1994:CPQ**

- [1201] B. Dixon. Concurrency in an  $O(\log \log N)$  priority queue. *Lecture Notes in Computer Science*, 805:59–72, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bettayeb:1994:EMO**

- [1202] S. Bettayeb, Z. Miller, T. Peng, and H. Sudborough. Embedding  $k$ - $D$  meshes into optimum hypercubes with dilation  $2k - 1$ . *Lecture Notes in Computer Science*, 805:73–80, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roettger:1994:EDG**

- [1203] M. Roettger, U.-P. Schroeder, and W. Unger. Embedding 3-dimensional grids into optimal hypercubes. *Lecture Notes in Computer Science*, 805:81–94, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dehne:1994:DCR**

- [1204] F. Dehne and R. D. Lins. Distributed cyclic reference counting. *Lecture Notes in Computer Science*, 805:95–100, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baldy:1994:ERC**

- [1205] P. Baldy, H. Dicky, R. Medina, and M. Morvan. Efficient reconstruction of the causal relationship in distributed systems. *Lecture Notes in Computer Science*, 805:101–114, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dehne:1994:SPC**

- [1206] F. Dehne. Scalable parallel computational geometry. *Lecture Notes in Computer Science*, 805:115–120, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krizanc:1994:SSA**

- [1207] D. Krizanc and L. Narayanan. Sorting and selection on arrays with diagonal connections. *Lecture Notes in Computer Science*, 805:121–136, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ubeda:1994:WOT**

- [1208] S. Ubeda. Work-optimal thinning algorithm on SIMD machines. *Lecture Notes in Computer Science*, 805:137–152, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cung:1994:EIP**

- [1209] V.-D. Cung and B. Le Cun. An efficient implementation of parallel A. *Lecture Notes in Computer Science*, 805:153–168, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bokka:1994:CTC**

- [1210] V. Bokka, H. Gurla, S. Olariu, and J. L. Schwing. Constant-time convexity problems on reconfigurable meshes. *Lecture Notes in Computer Science*, 805:169–180, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Galtier:1994:DAB**

- [1211] J. Galtier. Deepness analysis: Bringing optimal fronts to triangular finite element method. *Lecture Notes in Computer Science*, 805:181–196, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hily:1994:CBN**

- [1212] A. Hily and D. Solleau. Communications in bus networks. *Lecture Notes in Computer Science*, 805:197–206, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Diks:1994:FTL**

- [1213] K. Diks and A. Pelc. Fault-tolerant linear broadcasting. *Lecture Notes in Computer Science*, 805:207–218, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jansen:1994:MBT**

- [1214] K. Jansen and H. Mueller. The minimum broadcast time problem. *Lecture*



*Notes in Computer Science*, 805:219–234, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hromkovic:1994:CSD**

- [1215] J. Hromkovic, R. Klasing, W. Unger, and H. Wagnenr. The complexity of systolic dissemination of information in interconnection networks. *Lecture Notes in Computer Science*, 805:235–250, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krumme:1994:RGS**

- [1216] D. W. Krumme. Representations of gossip schemes. *Lecture Notes in Computer Science*, 805:251–266, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kulasinghe:1994:MTH**

- [1217] P. Kulasinghe and S. Bettayeb. On the multiply-twisted hypercube. *Lecture Notes in Computer Science*, 805:267–278, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Altenkirch:1994:PSN**

- [1218] T. Altenkirch. Proving strong normalization of CC by modifying realizability semantics. *Lecture Notes in Computer Science*, 806:3–18, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanBenthemJutting:1994:CAP**

- [1219] L. S. Van Benthem Jutting, J. McKinna, and R. Pollack. Checking algorithms for pure type systems. *Lecture Notes in Computer Science*, 806:19–61,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coquand:1994:IOT**

- [1220] T. Coquand. Infinite objects in type theory. *Lecture Notes in Computer Science*, 806:62–78, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Geuvers:1994:CBL**

- [1221] H. Geuvers. Conservativity between logics and typed lambda calculi. *Lecture Notes in Computer Science*, 806:79–107, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hayashi:1994:LRT**

- [1222] S. Hayashi. Logic of refinement types. *Lecture Notes in Computer Science*, 806:108–126, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Helmink:1994:PCD**

- [1223] L. Helmink, A. Sellink, and F. Vaandrager. Proof-checking a data link protocol. *Lecture Notes in Computer Science*, 806:127–165, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hofmann:1994:EEM**

- [1224] M. Hofmann. Elimination of extensionality in Martin-Loef type theory. *Lecture Notes in Computer Science*, 806:166–190, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leclerc:1994:PSC**

- [1225] F. Leclerc and C. Paulin-Mohring. Programming with streams in Coq — A case study: The sieve of erathostenes. *Lecture Notes in Computer Science*, 806:191–212, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Magnusson:1994:APE**

- [1226] L. Magnusson and B. Nordstroem. The ALF proof editor and its proof engine. *Lecture Notes in Computer Science*, 806:213–237, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maharaj:1994:ESS**

- [1227] S. Maharaj. Encoding Z-style schemas in type theory. *Lecture Notes in Computer Science*, 806:238–262, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Miculan:1994:EPS**

- [1228] M. Miculan. The expressive power of structural operational semantics with explicit assumptions. *Lecture Notes in Computer Science*, 806:263–290, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parent:1994:DCP**

- [1229] C. Parent. Developing certified programs in the system Coq — the program tactic. *Lecture Notes in Computer Science*, 806:291–312, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pollack:1994:CUA**

- [1230] R. Pollack. Closure under alpha-conversion. *Lecture Notes in Computer Science*, 806:313–332, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Raffalli:1994:MD**

- [1231] C. Raffalli. Machine deduction. *Lecture Notes in Computer Science*, 806:333–351, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ranta:1994:TTI**

- [1232] A. Ranta. Type theory and the informal language of mathematics. *Lecture Notes in Computer Science*, 806:352–365, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wolfram:1994:SAC**

- [1233] D. A. Wolfram. Semantics for abstract clauses. *Lecture Notes in Computer Science*, 806:366–383, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benson:1994:SEA**

- [1234] G. Benson. A space efficient algorithm for finding the best non-overlapping alignment score. *Lecture Notes in Computer Science*, 807:1–14, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bodlaender:1994:PCS**

- [1235] H. Bodlaender, R. G. Downey, M. R. Fellows, and H. T. Wareham. The parameterized complexity of sequence alignment and consensus. *Lecture*

*Notes in Computer Science*, 807:15–30, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chao:1994:CAS**

- [1236] K.-M. Chao. Computing all suboptimal alignments in linear space. *Lecture Notes in Computer Science*, 807:31–42, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bafna:1994:AAM**

- [1237] V. Bafna, E. L. Lawler, and P. A. Peuzner. Approximation algorithms for multiple sequence alignment. *Lecture Notes in Computer Science*, 807:43–53, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1994:CDM**

- [1238] X. Huang. A context dependent method for comparing sequences. *Lecture Notes in Computer Science*, 807:54–63, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cobbs:1994:FIA**

- [1239] A. L. Cobbs. Fast identification of approximately matching substrings. *Lecture Notes in Computer Science*, 807:64–74, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jiang:1994:ATA**

- [1240] T. Jiang, L. Wang, and K. Zhang. Alignment of trees — an alternative to tree edit. *Lecture Notes in Computer Science*, 807:75–86, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1994:PRA**

- [1241] X. Huang, P. A. Peuzner, and W. Miller. Parametric recomputing in alignment graphs. *Lecture Notes in Computer Science*, 807:87–101, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Luczak:1994:LDC**

- [1242] T. Luczak and W. Szpankowski. A lossy data compression based on string matching: Preliminary analysis and suboptimal algorithms. *Lecture Notes in Computer Science*, 807:102–112, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Manber:1994:TCS**

- [1243] U. Manber. A text compression scheme that allows fast searching directly in the compressed file. *Lecture Notes in Computer Science*, 807:113–124, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Karpinski:1994:AIO**

- [1244] M. Karpinski and W. Rytter. An alphabet-independent optimal parallel search for three dimensional pattern. *Lecture Notes in Computer Science*, 807:125–135, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lestree:1994:URU**

- [1245] L. Lestree. Unit route upper bound for string-matching on hypercube. *Lecture Notes in Computer Science*, 807:136–145, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**RaoKosaraju:1994:CSS**

- [1246] S. Rao Kosaraju. Computation of squares in a string. *Lecture Notes in Computer Science*, 807:146–150, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mohri:1994:MST**

- [1247] M. Mohri. Minimization of sequential transducers. *Lecture Notes in Computer Science*, 807:151–163, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alexander:1994:SCS**

- [1248] K. S. Alexander. Shortest common superstrings for strings of random letters. *Lecture Notes in Computer Science*, 807:164–172, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Irving:1994:MCS**

- [1249] R. W. Irving and C. B. Fraser. Maximal common subsequences and minimal common supersequences. *Lecture Notes in Computer Science*, 807:173–183, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Breslauer:1994:DMU**

- [1250] D. Breslauer. Dictionary-matching on unbounded alphabets: Uniform-length dictionaries. *Lecture Notes in Computer Science*, 807:184–197, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baeza-Yates:1994:PMU**

- [1251] R. Baeza-Yates, W. Cunto, U. Manber, and S. Wu. Proximity matching us-

ing fixed-queries trees. *Lecture Notes in Computer Science*, 807:198–212, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kilpelainen:1994:QPT**

- [1252] P. Kilpelainen and H. Mannila. Query primitives for tree-structured data. *Lecture Notes in Computer Science*, 807:213–225, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Idury:1994:MMP**

- [1253] R. M. Idury and A. A. Schaeffer. Multiple matching of parameterized patterns. *Lecture Notes in Computer Science*, 807:226–239, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Akutsu:1994:ASM**

- [1254] T. Akutsu. Approximate string matching with don't care characters. *Lecture Notes in Computer Science*, 807:240–249, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tang:1994:MMN**

- [1255] S. Tang, K. Zhang, and X. Wu. Matching with matrix norm minimization. *Lecture Notes in Computer Science*, 807:250–258, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chang:1994:ASM**

- [1256] W. I. Chang and T. G. Marr. Approximate string matching and local similarity. *Lecture Notes in Computer Science*, 807:259–273, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liau:1994:GSC**

**Ito:1994:PTA**

- [1257] M. Ito, K. Shimizu, M. Nakanishi, and A. Hashimoto. Polynomial-time algorithms for computing characteristic strings. *Lecture Notes in Computer Science*, 807:274–288, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sakakibara:1994:RMR**

- [1258] Y. Sakakibara, M. Brown, R. Hughey, and I. S. Mian. Recent methods for RNA modeling using stochastic context-free grammars. *Lecture Notes in Computer Science*, 807:289–306, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kececioglu:1994:EBO**

- [1259] J. Kececioglu and D. Sankoff. Efficient bounds for oriented chromosome inversion distance. *Lecture Notes in Computer Science*, 807:307–325, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gaerdenfors:1994:RER**

- [1260] P. Gaerdenfors. The role of expectations in reasoning. *Lecture Notes in Computer Science*, 808:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hajek:1994:LAR**

- [1261] P. Hajek. On logics of approximate reasoning. *Lecture Notes in Computer Science*, 808:17–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [1262] Churn Jung Liao and B. I.-P. Lin. Gentzen sequent calculus for possibilistic reasoning. *Lecture Notes in Computer Science*, 808:31–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Flach:1994:MIR**

- [1263] P. A. Flach. A model of inductive reasoning. *Lecture Notes in Computer Science*, 808:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**CorreadaSilva:1994:ARU**

- [1264] F. S. Correa da Silva, D. S. Robertson, and J. Hesketh. Automated reasoning with uncertainties. *Lecture Notes in Computer Science*, 808:57–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lawry:1994:AAS**

- [1265] J. Lawry and G. M. Wilmers. An axiomatic approach to systems of prior distributions in inexact reasoning. *Lecture Notes in Computer Science*, 808:81–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pereira:1994:CRS**

- [1266] L. M. Pereira, J. J. Alferes, and J. N. Aparicio. Contradiction removal semantics with explicit negation. *Lecture Notes in Computer Science*, 808:91–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pereira:1994:LPN**

- [1267] L. M. Pereira, J. N. Aparicio, and J. J. Alferes. Logic programming for non-monotonic reasoning. *Lecture Notes in Computer Science*, 808:107–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shoham:1994:AOP**

- [1268] Y. Shoham. Agent oriented programming. *Lecture Notes in Computer Science*, 808:123–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakata:1994:ATL**

- [1269] K. Nakata. An application of temporal logic for representation and reasoning about design. *Lecture Notes in Computer Science*, 808:131–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Georgatos:1994:KTP**

- [1270] K. Georgatos. Knowledge theoretic properties of topological spaces. *Lecture Notes in Computer Science*, 808:147–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rauszer:1994:RLM**

- [1271] C. M. Rauszer. Rough logic for multi-agent systems. *Lecture Notes in Computer Science*, 808:161–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cholvy:1994:LAM**

- [1272] L. Cholvy. A logical approach to multi-sources reasoning. *Lecture Notes in Computer Science*, 808:183–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Devlin:1994:STS**

- [1273] K. Devlin. Situation theory and social structure. *Lecture Notes in Computer Science*, 808:197–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Massey:1994:SKB**

- [1274] J. Massey. SAFER K-64: A byte-oriented block-ciphering algorithm. *Lecture Notes in Computer Science*, 809:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Daemen:1994:NAB**

- [1275] J. Daemen, R. Govaerts, and J. Vandewalle. A new approach to block cipher design. *Lecture Notes in Computer Science*, 809:18–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaliski:1994:FBC**

- [1276] B. Kaliski and M. Robshaw. Fast block cipher proposal. *Lecture Notes in Computer Science*, 809:33–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bloecher:1994:FFS**

- [1277] U. Bloecher and M. Dichtl. Fish: A fast software stream cipher. *Lecture Notes in Computer Science*, 809:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krawczyk:1994:SGS**

- [1278] H. Krawczyk. The shrinking generator: Some practical considerations. *Lecture*

*Notes in Computer Science*, 809:45–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anderson:1994:MRM**

- [1279] R. Anderson. A modern rotor machine. *Lecture Notes in Computer Science*, 809:47–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chambers:1994:TSC**

- [1280] B. Chambers. Two stream ciphers. *Lecture Notes in Computer Science*, 809:51–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rogaway:1994:SOE**

- [1281] P. Rogaway and D. Coppersmith. A software-optimised encryption algorithm. *Lecture Notes in Computer Science*, 809:56–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lomas:1994:ENT**

- [1282] M. Lomas. Encrypting network traffic. *Lecture Notes in Computer Science*, 809:64–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Preneel:1994:DPD**

- [1283] B. Preneel. Design principles for dedicated hash functions. *Lecture Notes in Computer Science*, 809:71–82, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roe:1994:PSC**

- [1284] M. Roe. Performance of symmetric ciphers and one-way hash func-

tions. *Lecture Notes in Computer Science*, 809:83–89, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Golic:1994:SSR**

- [1285] J. Golic. On the security of shift register based keystream generators. *Lecture Notes in Computer Science*, 809:90–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ding:1994:DCD**

- [1286] C. Ding. The differential cryptanalysis and design of natural stream ciphers. *Lecture Notes in Computer Science*, 809:101–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Biham:1994:MO**

- [1287] E. Biham. On modes of operation. *Lecture Notes in Computer Science*, 809:116–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gollmann:1994:CCC**

- [1288] D. Gollmann. Cryptanalysis of clock controlled shift registers. *Lecture Notes in Computer Science*, 809:121–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wheeler:1994:BDE**

- [1289] D. Wheeler. A bulk data encryption algorithm. *Lecture Notes in Computer Science*, 809:127–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- Tao:1994:FAO**
- [1290] R. Tao. On finite automation one-key cryptosystems. *Lecture Notes in Computer Science*, 809:135–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Schnorr:1994:PFH**
- [1291] C. Schnorr and S. Vaudenay. Parallel FFT-Hashing. *Lecture Notes in Computer Science*, 809:149–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Lai:1994:ADB**
- [1292] X. Lai and L. Knudsen. Attacks on double block length hash functions. *Lecture Notes in Computer Science*, 809:157–165, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Chan:1994:QMS**
- [1293] A. Chan, R. Games, and J. Rushanan. On quadratic M-sequences. *Lecture Notes in Computer Science*, 809:166–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Klapper:1994:ASR**
- [1294] A. Klapper and M. Goresky. 2-Adic shift registers. *Lecture Notes in Computer Science*, 809:174–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Nyberg:1994:NBM**
- [1295] K. Nyberg. New bent mappings suitable for fast implementation. *Lecture Notes in Computer Science*, 809:179–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- MacLaren:1994:CPN**
- [1296] N. MacLaren. Cryptographic pseudo-random numbers in simulation. *Lecture Notes in Computer Science*, 809:185–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Schneier:1994:DNV**
- [1297] B. Schneier. Description of a new variable-length key, 64-bit block cipher (Blowfish). *Lecture Notes in Computer Science*, 809:191–204, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://www.counterpane.com/bfsverlag.html>.
- DiPorto:1994:VBC**
- [1298] A. Di Porto and W. Wolfowicz. VINO: A block cipher including variable permutations. *Lecture Notes in Computer Science*, 809:205–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Knudsen:1994:PSF**
- [1299] L. Knudsen. Practically secure Feistel ciphers. *Lecture Notes in Computer Science*, 809:211–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Allgayer:1994:CER**
- [1300] J. Allgayer and E. Franconi. Collective entities and relations in concept languages. *Lecture Notes in Computer Science*, 810:13–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Baader:1994:CET**

- [1301] F. Baader and B. Hollunder. Computing extensions of terminological default theories. *Lecture Notes in Computer Science*, 810:30–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bettini:1994:FIB**

- [1302] C. Bettini. A formalization of interval-based temporal subsumption in first order logic. *Lecture Notes in Computer Science*, 810:53–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boutilier:1994:NSA**

- [1303] C. Boutilier. Normative, subjunctive and autoepistemic defaults. *Lecture Notes in Computer Science*, 810:74–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Console:1994:ARA**

- [1304] L. Console and D. T. Dupre. Abductive reasoning with abstraction axioms. *Lecture Notes in Computer Science*, 810:98–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Donini:1994:QRD**

- [1305] F. M. Donini, M. Lenzerini, D. Nardi, and W. Nutt. Queries, rules and definitions as epistemic sentences in concept languages. *Lecture Notes in Computer Science*, 810:113–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gottlob:1994:PBT**

- [1306] G. Gottlob. The power of beliefs or translating default logic into standard autoepistemic logic. *Lecture Notes in Computer Science*, 810:133–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Greiner:1994:LOA**

- [1307] R. Greiner and D. Schuurmans. Learning an optimally accurate representation system. *Lecture Notes in Computer Science*, 810:145–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kakas:1994:DRN**

- [1308] A. C. Kakas. Default reasoning via negation as failure. *Lecture Notes in Computer Science*, 810:160–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kalinski:1994:WAR**

- [1309] J. Kalinski. Weak autoepistemic reasoning and well-founded semantics. *Lecture Notes in Computer Science*, 810:179–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kautz:1994:FCF**

- [1310] H. Kautz and B. Selman. Forming concepts for fast inference. *Lecture Notes in Computer Science*, 810:200–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:CST**

- [1311] Y. Q. Lin. A common-sense theory of time. *Lecture Notes in Computer*

*Science*, 810:216–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Myers:1994:RAR**

- [1312] K. L. Myers and K. Konolige. Reasoning with analogical representations. *Lecture Notes in Computer Science*, 810:229–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nejdl:1994:AAP**

- [1313] W. Nejdl and M. Banagl. Asking about possibilities — revision and update semantics for subjunctive queries. *Lecture Notes in Computer Science*, 810:250–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Niemelae:1994:ISC**

- [1314] I. Niemelae and J. Rintanen. On the impact of stratification on the complexity of nonmonotonic reasoning. *Lecture Notes in Computer Science*, 810:275–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shoham:1994:LMA**

- [1315] Y. Shoham and S. B. Cousins. Logics of mental attitudes in AI. *Lecture Notes in Computer Science*, 810:296–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weydert:1994:HCM**

- [1316] E. Weydert. Hyperrational conditionals — monotonic reasoning about nested default conditionals. *Lecture*

*Notes in Computer Science*, 810:310–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Witteveen:1994:REL**

- [1317] C. Witteveen and C. Jonker. Revision by expansion in logic programs. *Lecture Notes in Computer Science*, 810:333–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wasserman:1994:ISM**

- [1318] A. I. Wasserman. Information systems modernization. *Lecture Notes in Computer Science*, 811:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Conradi:1994:PSC**

- [1319] R. Conradi, M. Hagaseth, and C. Liu. Planning support for cooperating transactions in EPOS. *Lecture Notes in Computer Science*, 811:2–13, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marttiin:1994:TFP**

- [1320] P. Marttiin. Towards flexible process support with a CASE shell. *Lecture Notes in Computer Science*, 811:14–27, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lonchamp:1994:CPC**

- [1321] J. Lonchamp. A collaborative process-centered environment kernel. *Lecture Notes in Computer Science*, 811:28–41, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lu:1994:BWA**

- [1322] G. Lu and M. Ader. Building workflow applications on top of WooRKS. *Lecture Notes in Computer Science*, 811:42–52, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gulla:1994:MCW**

- [1323] J. A. Gulla and O. I. Lindland. Modelling cooperative work for workflow management. *Lecture Notes in Computer Science*, 811:53–65, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tarumi:1994:IGD**

- [1324] H. Tarumi, A. Tabuchi, and K. Yoshifu. IKUMI: A groupware development support system with visual environment. *Lecture Notes in Computer Science*, 811:66–79, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanSwede:1994:CDR**

- [1325] V. Van Swede and H. Van Vliet. Consistent development: Results of a first empirical study on the relation between project scenario and success. *Lecture Notes in Computer Science*, 811:80–93, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anton:1994:GDS**

- [1326] A. I. Anton, W. M. McCracken, and C. Potts. Goal decomposition and scenario analysis in business process reengineering. *Lecture Notes in Computer Science*, 811:94–104, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hofmann:1994:RQC**

- [1327] H. F. Hofmann and R. Holbein. Reaching out for quality: Considering security requirements in the design of information systems. *Lecture Notes in Computer Science*, 811:105–118, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**WeiSong:1994:CSO**

- [1328] W. Wei Song. Capturing semantics by object relativity. *Lecture Notes in Computer Science*, 811:119–134, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jackson:1994:ASD**

- [1329] R. B. Jackson, D. W. Embley, and S. N. Woodfield. Automated support for the development of formal object-oriented requirements specifications. *Lecture Notes in Computer Science*, 811:135–148, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cauvet:1994:AFO**

- [1330] C. Cauvet and F. Semmak. Abstraction forms in object-oriented conceptual modelling: Localization, aggregation and generalization extensions. *Lecture Notes in Computer Science*, 811:149–171, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nellborn:1994:CIS**

- [1331] C. Nellborn and P. Holm. Capturing information systems requirements through enterprise and speech act modelling. *Lecture Notes in Computer Science*, 811:172–185, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Teisseire:1994:DME**

- [1332] M. Teisseire, P. Poncelet, and R. Cicchetti. Dynamic modelling with events. *Lecture Notes in Computer Science*, 811:186–199, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johannesson:1994:RCI**

- [1333] P. Johannesson. Representation and communication in information systems — A speech act based approach. *Lecture Notes in Computer Science*, 811:200–213, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kurbel:1994:ACG**

- [1334] K. Kurbel. From analysis to code generation: Experiences from an information engineering project using I-CASE technology. *Lecture Notes in Computer Science*, 811:214–227, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sheu:1994:KBP**

- [1335] P. C.-Y. Sheu and S. Yoo. A knowledge-based program transformation system. *Lecture Notes in Computer Science*, 811:228–241, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonjour:1994:CBS**

- [1336] M. Bonjour and G. Falquet. Concept bases: A support to information systems integration. *Lecture Notes in Computer Science*, 811:242–255, 1994.

CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seo:1994:FDP**

- [1337] D. Seo and P. Loucopoulos. Formalisation of data and process model reuse using hierarchic data types. *Lecture Notes in Computer Science*, 811:256–268, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jarzabek:1994:MMV**

- [1338] S. Jarzabek and Chew Lim Tan. Modelling multiple views of common features in software reengineering for reuse. *Lecture Notes in Computer Science*, 811:269–282, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Freitag:1994:HBT**

- [1339] B. Freitag. A hypertext-based tool for large scale software reuse. *Lecture Notes in Computer Science*, 811:283–296, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thieme:1994:ASI**

- [1340] C. Thieme and A. Siebes. An approach to schema integration based on transformations and behaviour. *Lecture Notes in Computer Science*, 811:297–310, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sancho:1994:DTD**

- [1341] M. R. Sancho and A. Olive. Deriving transaction from deductive conceptual models of information systems. *Lecture Notes in Computer Science*

ence, 811:311–324, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keszenheimer:1994:UBA**

- [1342] L. M. Keszenheimer. Utilizing behavioral abstractions to facilitate maintenance during class evolution. *Lecture Notes in Computer Science*, 811:325–338, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prakash:1994:PVM**

- [1343] N. Prakash. A process view of methodologies. *Lecture Notes in Computer Science*, 811:339–352, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saeki:1994:SSS**

- [1344] M. Saeki and K. Wenyin. Specifying software specification and design methods. *Lecture Notes in Computer Science*, 811:353–366, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moreno:1994:GAS**

- [1345] M. Moreno, C. Rolland, and C. Souveyet. A generic approach to support a way-of-working definition. *Lecture Notes in Computer Science*, 811:367–379, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aberer:1994:DUO**

- [1346] K. Aberer, W. Klas, and A. L. Furtado. Designing a user-oriented query modification facility in object-oriented database systems. *Lecture Notes in Computer Science*, 811:380–393, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rosengren:1994:UVQ**

- [1347] P. Rosengren. Using visual ER query systems in real world applications. *Lecture Notes in Computer Science*, 811:394–405, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Odberg:1994:CCF**

- [1348] E. Odberg. Category classes: Flexible classification and evolution in object-oriented databases. *Lecture Notes in Computer Science*, 811:406–419, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andersen:1994:GCT**

- [1349] N. Andersen and N. D. Jones. Generalizing Cook’s transformation to imperative stack programs. *Lecture Notes in Computer Science*, 812:1–18, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berstel:1994:RFT**

- [1350] J. Berstel. A rewriting of Fife’s theorem about overlap-free words. *Lecture Notes in Computer Science*, 812:19–29, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brauer:1994:RJP**

- [1351] W. Brauer and U. Brauer. Reconsidering the jeep problem — or how to transport a birthday present to salosauna —. *Lecture Notes in Computer Science*, 812:30–33, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brueggemann-Klein:1994:LPS**

- [1352] A. Brueggemann-Klein, P. Fischer, and T. Ottmann. Learning picture sets from examples. *Lecture Notes in Computer Science*, 812:34–43, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Calude:1994:RIN**

- [1353] C. Calude and H. Juergensen. Randomness as an invariant for number representations. *Lecture Notes in Computer Science*, 812:44–66, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Csuhaj-Varju:1994:CGS**

- [1354] E. Csuhaj-Varju. Cooperating grammars' systems: Power and parameters. *Lecture Notes in Computer Science*, 812:67–84, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Culik:1994:PPG**

- [1355] K. Culik and J. Kari. Parallel pattern generation with one-way communications. *Lecture Notes in Computer Science*, 812:85–96, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ehrenfeucht:1994:DLS**

- [1356] A. Ehrenfeucht and G. Rozenberg. Dynamic labeled 2-Structures with variable domains. *Lecture Notes in Computer Science*, 812:97–123, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Engelfriet:1994:DNP**

- [1357] J. Engelfriet. Deciding the NTS property of context-free grammars. *Lecture Notes in Computer Science*, 812:124–130, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gecseg:1994:HRP**

- [1358] F. Gecseg. Homomorphic representations by products of tree automata. *Lecture Notes in Computer Science*, 812:131–139, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harju:1994:IT**

- [1359] T. Harju, H. J. Hoogeboom, and H. C. M. Kleijn. Identities and transductions. *Lecture Notes in Computer Science*, 812:140–144, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harju:1994:DIL**

- [1360] T. Harju and G. Rozenberg. Decomposition of infinite labeled 2-Structures. *Lecture Notes in Computer Science*, 812:145–158, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Honkala:1994:IPL**

- [1361] J. Honkala. An iteration property of Lindenmayerian power series. *Lecture Notes in Computer Science*, 812:159–168, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hromkovic:1994:CDC**

- [1362] J. Hromkovic, J. Karhumaeki, and A. Lepistoe. Comparing descriptive and computational complexity of infinite words. *Lecture Notes in Computer Science*, 812:169–182, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ibarra:1994:SOP**

- [1363] O. H. Ibarra and T. Jiang. On some open problems concerning the complexity of cellular arrays. *Lecture Notes in Computer Science*, 812:183–196, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kari:1994:PCI**

- [1364] L. Kari. Power of controlled insertion and deletion. *Lecture Notes in Computer Science*, 812:197–212, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kelemenova:1994:CEG**

- [1365] A. Kelemenova and J. Kelemen. From colonies to eco(grammar)systems. *Lecture Notes in Computer Science*, 812:213–231, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kuich:1994:MEP**

- [1366] W. Kuich. On the multiplicity equivalence problem for context-free grammars. *Lecture Notes in Computer Science*, 812:232–250, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Makanin:1994:GSW**

- [1367] G. S. Makanin and H. Abdulrab. On general solution of word equations. *Lecture Notes in Computer Science*, 812:251–263, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mateescu:1994:LPS**

- [1368] A. Mateescu. On (left) partial shuffle. *Lecture Notes in Computer Science*, 812:264–278, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maurer:1994:LTA**

- [1369] H. Maurer. Learning theoretical aspects is important but (sometimes) dangerous. *Lecture Notes in Computer Science*, 812:279–288, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nielsen:1994:BGL**

- [1370] M. Nielsen and C. Clausen. Bisimulation, games, and logic. *Lecture Notes in Computer Science*, 812:289–306, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Niemi:1994:CPV**

- [1371] V. Niemi and A. Renvall. Cryptographic protocols and voting. *Lecture Notes in Computer Science*, 812:307–316, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nurmi:1994:CPA**

- [1372] H. Nurmi. Cryptographic protocols for auctions and bargaining. *Lecture Notes in Computer Science*, 812:317–324,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paun:1994:SCC**

- [1373] G. Paun, J. Dassow, and S. Skalla. On the size of components of cooperating grammar systems. *Lecture Notes in Computer Science*, 812:325–343, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paz:1994:EAP**

- [1374] A. Paz. An elementary algorithmic problem from an advanced standpoint. *Lecture Notes in Computer Science*, 812:344–357, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ruohonen:1994:EDO**

- [1375] K. Ruohonen. Event detection for ODEs and nonrecursive hierarchies. *Lecture Notes in Computer Science*, 812:358–371, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Salomaa:1994:RPM**

- [1376] K. Salomaa, D. Wood, and S. Yu. Rediscovering pushdown machines. *Lecture Notes in Computer Science*, 812:372–385, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Simon:1994:SMA**

- [1377] I. Simon. String matching algorithms and automata. *Lecture Notes in Computer Science*, 812:386–395, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Steinby:1994:CRL**

- [1378] M. Steinby. Classifying regular languages by their syntactic algebras. *Lecture Notes in Computer Science*, 812:396–409, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Turakainen:1994:PME**

- [1379] P. Turakainen. On polynomial matrix equations  $X0T = p(X)$  and  $X = p(X)$  where all parameters are non-negative. *Lecture Notes in Computer Science*, 812:410–421, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Welzl:1994:GEP**

- [1380] E. Welzl. Gram's equation — A probabilistic proof. *Lecture Notes in Computer Science*, 812:422–424, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ablayev:1994:LBP**

- [1381] F. Ablayev. Lower bounds for probabilistic space complexity: Communication-automata approach. *Lecture Notes in Computer Science*, 813:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andersen:1994:MCI**

- [1382] H. R. Andersen. On model checking infinite-state systems. *Lecture Notes in Computer Science*, 813:8–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Archangelsky:1994:CPH**

- [1383] D. A. Archangelsky, M. I. Dekhtyar, E. Kruglov, and I. K. Musikaev. Con-



currency problem for Horn fragment of Girard's linear logic. *Lecture Notes in Computer Science*, 813:18–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Artemov:1994:RDS**

- [1384] S. Artemov and V. Krupski. Referential data structures and labeled modal logic. *Lecture Notes in Computer Science*, 813:23–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asperti:1994:YAC**

- [1385] A. Asperti and G. Dore. Yet another correctness criterion for multiplicative linear logic with MIX. *Lecture Notes in Computer Science*, 813:34–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berezin:1994:AEM**

- [1386] S. A. Berezin and N. V. Shilov. An approach to effective model-checking of real-time finite-state machines in mu-calculus. *Lecture Notes in Computer Science*, 813:47–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brown:1994:AC**

- [1387] C. Brown and A. Jeffrey. Allegories of circuits. *Lecture Notes in Computer Science*, 813:56–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:CPM**

- [1388] C.-C. Chen and I.-P. Lin. The complexity of propositional modal theories and the complexity of consistency of propositional modal theories. *Lecture*

*Notes in Computer Science*, 813:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dekhtyar:1994:MLL**

- [1389] A. M. Dekhtyar. Multiplicative linear logic for resource transformation nets. *Lecture Notes in Computer Science*, 813:81–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Downey:1994:PCS**

- [1390] R. G. Downey, M. R. Fellows, B. M. Kapron, and M. T. Hallett. The parameterized complexity of some problems in logic and linguistics. *Lecture Notes in Computer Science*, 813:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Galmiche:1994:FPS**

- [1391] D. Galmiche and G. Perrier. Foundations of proof search strategies design in linear logic. *Lecture Notes in Computer Science*, 813:101–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ge:1994:EPC**

- [1392] X. Ge and A. Nerode. On extreme points of convex compact Turing located set. *Lecture Notes in Computer Science*, 813:114–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ghilezan:1994:ATL**

- [1393] S. Ghilezan. Application of typed lambda calculi in the untyped lambda calculus. *Lecture Notes in Computer Science*, 813:129–??, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goncharov:1994:CPE**

- [1394] S. S. Goncharov and S. A. Badaev. Classes with pairwise equivalent enumerations. *Lecture Notes in Computer Science*, 813:140–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeGroote:1994:SNN**

- [1395] P. De Groote. Strong normalization in a non-deterministic typed lambda-calculus. *Lecture Notes in Computer Science*, 813:142–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Heinemann:1994:ECM**

- [1396] B. Heinemann. On expressive completeness of modal logic. *Lecture Notes in Computer Science*, 813:153–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoofman:1994:CMN**

- [1397] R. Hoofman. Comparing models of the non-extensional typed lambda-calculus. *Lecture Notes in Computer Science*, 813:164–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jacobs:1994:CA**

- [1398] B. Jacobs. Coalgebras and approximation. *Lecture Notes in Computer Science*, 813:173–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kanovich:1994:CCM**

- [1399] M. I. Kanovich. Computational and concurrency models of linear logic. *Lecture Notes in Computer Science*, 813:184–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Khasidashvili:1994:LPR**

- [1400] Z. Khasidashvili. The longest perpetual reductions in orthogonal expression reduction systems. *Lecture Notes in Computer Science*, 813:191–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Khoussainov:1994:NRG**

- [1401] B. Khoussainov and A. Nerode. The notion of rank and games. *Lecture Notes in Computer Science*, 813:204–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kuchuganov:1994:PLW**

- [1402] M. Kuchuganov. A predicate logic of well-founded actions. *Lecture Notes in Computer Science*, 813:218–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leivant:1994:PRF**

- [1403] D. Leivant. Predicative recurrence in finite types. *Lecture Notes in Computer Science*, 813:227–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Makowsky:1994:AVA**

- [1404] J. A. Makowsky and Y. B. Pnueli. Arity vs. alternation in second order logic. *Lecture Notes in Computer*

*Science*, 813:240–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nickau:1994:HSF**

- [1405] H. Nickau. Hereditarily sequential functionals. *Lecture Notes in Computer Science*, 813:253–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nitsche:1994:PLT**

- [1406] U. Nitsche. Propositional linear temporal logic and language homomorphisms. *Lecture Notes in Computer Science*, 813:265–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Perez:1994:APC**

- [1407] R. P. Perez and C. Even. An abstract property of confluence applied to the study of the lazy partial lambda calculus. *Lecture Notes in Computer Science*, 813:278–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pluskeviciene:1994:SDA**

- [1408] A. Pluskeviciene and R. Pluskevicius. On specialization of derivations in axiomatic equality theories. *Lecture Notes in Computer Science*, 813:291–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rybakov:1994:PAI**

- [1409] V. V. Rybakov. Preserving of admissible inference rules in modal logic. *Lecture Notes in Computer Science*, 813:304–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Severi:1994:PTS**

- [1410] P. Severi and E. Poll. Pure type systems with definitions. *Lecture Notes in Computer Science*, 813:316–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sidon:1994:CIP**

- [1411] T. Sidon. Craig interpolation property in modal logics with provability interpretation. *Lecture Notes in Computer Science*, 813:329–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Traylor:1994:RNV**

- [1412] B. Traylor and M. Gelfond. Representing null values in logic programming. *Lecture Notes in Computer Science*, 813:341–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanBakel:1994:CC**

- [1413] S. Van Bakel, L. Liquori, S. R. Della Rocca, and P. Urzyczyn. Comparing cubes. *Lecture Notes in Computer Science*, 813:353–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanderHoek:1994:LC**

- [1414] W. Van der Hoek, B. Van Linder, and J.-J. C. Meyer. A logic of capabilities. *Lecture Notes in Computer Science*, 813:366–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanOostrom:1994:WOI**

- [1415] V. Van Oostrom and F. Van Raamsdonk. Weak orthogonality implies confluence: The higher-order case. *Lecture Notes in Computer Science*, 813: 379–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Slaney:1994:CFM**

- [1416] J. Slaney. The crisis in finite mathematics: Automated reasoning as cause and cure. *Lecture Notes in Computer Science*, 814:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Walsh:1994:DC**

- [1417] T. Walsh. A divergence critic. *Lecture Notes in Computer Science*, 814:14–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hutter:1994:SIO**

- [1418] D. Hutter. Synthesis of induction orderings for existence proofs. *Lecture Notes in Computer Science*, 814:29–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Protzen:1994:LGI**

- [1419] M. Protzen. Lazy generation of induction hypotheses. *Lecture Notes in Computer Science*, 814:42–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Plaisted:1994:SET**

- [1420] D. A. Plaisted. The search efficiency of theorem proving strategies. *Lecture Notes in Computer Science*, 814:57–??,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bourelly:1994:MBM**

- [1421] C. Bourelly, R. Caferra, and N. Peltier. A method for building models automatically: Experiments with an extension of OTTER. *Lecture Notes in Computer Science*, 814:72–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baumgartner:1994:MEC**

- [1422] P. Baumgartner and U. Furbach. Model elimination without contrapositives. *Lecture Notes in Computer Science*, 814:87–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bronsard:1994:IUT**

- [1423] F. Bronsard, U. S. Reddy, and R. W. Hasker. Induction using term orderings. *Lecture Notes in Computer Science*, 814:102–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chazarain:1994:MIP**

- [1424] Jacques Chazarain and Emmanuel Kounalis. Mechanizable inductive proofs for a class of AE formulas. *Lecture Notes in Computer Science*, 814: 118–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lysne:1994:CBN**

- [1425] O. Lysne. On the connection between narrowing and proof by consistency. *Lecture Notes in Computer Science*, 814:133–??, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paulson:1994:FAI**

- [1426] L. C. Paulson. A fixedpoint approach to implementing (co)inductive definitions. *Lecture Notes in Computer Science*, 814:148–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wirth:1994:NIV**

- [1427] C.-P. Wirth and B. Gramlich. On notions of inductive validity for first-order equational clauses. *Lecture Notes in Computer Science*, 814:162–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baker:1994:NAE**

- [1428] S. Baker. A new application for explanation-based generalisation within automated deduction. *Lecture Notes in Computer Science*, 814:177–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chu:1994:SGF**

- [1429] H. Chu and D. A. Plaisted. Semantically guided first-order theorem proving using hyper-linking. *Lecture Notes in Computer Science*, 814:192–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeWaal:1994:ALP**

- [1430] D. A. De Waal and J. P. Gallagher. The applicability of logic program analysis and transformation to theorem proving. *Lecture Notes in Computer Science*, 814:207–??, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bruening:1994:DNP**

- [1431] S. Bruening. Detecting non-provable goals. *Lecture Notes in Computer Science*, 814:222–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boyer:1994:MPC**

- [1432] R. S. Boyer, N. G. De Bruijn, G. Huet, and A. Trybulec. A mechanically proof-checked encyclopedia of mathematics: Should we build one? can we? *Lecture Notes in Computer Science*, 814:237–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sutcliffe:1994:TPL**

- [1433] G. Sutcliffe, C. Suttner, and T. Yemepis. The TPTP problem library. *Lecture Notes in Computer Science*, 814:252–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Domenjoud:1994:CTN**

- [1434] E. Domenjoud, F. Klay, and C. Ringissen. Combination techniques for non-disjoint equational theories. *Lecture Notes in Computer Science*, 814:267–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Salzer:1994:PGU**

- [1435] G. Salzer. Primal grammars and unification modulo a binary clause. *Lecture Notes in Computer Science*, 814:282–??, 1994. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Iwanuma:1994:CQN**

- [1436] K. Iwanuma. Conservative query normalization on parallel circumscription. *Lecture Notes in Computer Science*, 814:296–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fribourg:1994:BED**

- [1437] L. Fribourg and M. Veloso Peixoto. Bottom-up evaluation of datalog programs with arithmetic constraints. *Lecture Notes in Computer Science*, 814:311–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Royer:1994:IQA**

- [1438] V. Royer and J. Joachim Quantz. On intuitionistic query answering in description bases. *Lecture Notes in Computer Science*, 814:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stickel:1994:DCA**

- [1439] M. Stickel, R. Waldinger, M. Lowry, and T. Pressburger. Deductive composition of astronomical software from subroutine libraries. *Lecture Notes in Computer Science*, 814:341–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Farmer:1994:PSP**

- [1440] W. M. Farmer, J. D. Guttman, M. E. Nadel, and F. Javier Thayer. Proof script pragmatics in IMPS. *Lecture Notes in Computer Science*, 814:356–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Kerber:1994:MSK**

- [1441] M. Kerber and M. Kohlhase. A mechanization of strong Kleene logic for partial functions. *Lecture Notes in Computer Science*, 814:371–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wang:1994:AFG**

- [1442] D. Wang. Algebraic factoring and geometry theorem proving. *Lecture Notes in Computer Science*, 814:386–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**FreitagMcPhee:1994:MPG**

- [1443] N. Freitag McPhee, S.-C. Chou, and X.-S. Gao. Mechanically proving geometry theorems using a combination of Wu’s method and Collins’ method. *Lecture Notes in Computer Science*, 814:401–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hines:1994:SI**

- [1444] L. M. Hines. Str+ve and integers. *Lecture Notes in Computer Science*, 814:416–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Platek:1994:WP**

- [1445] R. Platek. What is a proof? *Lecture Notes in Computer Science*, 814:431–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Martin:1994:TGI**

- [1446] U. Martin. Termination, geometry and invariants. *Lecture Notes in Computer Science*, 814:432–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bachmair:1994:OCT**

- [1447] L. Bachmair and H. Ganzinger. Ordered chaining for total orderings. *Lecture Notes in Computer Science*, 814:435–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Middeldorp:1994:STR**

- [1448] A. Middeldorp and H. Zantema. Simple termination revisited. *Lecture Notes in Computer Science*, 814:451–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Basin:1994:TOR**

- [1449] D. A. Basin and T. Walsh. Termination orderings for rippling. *Lecture Notes in Computer Science*, 814:466–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sturgill:1994:NAP**

- [1450] D. B. Sturgill and A. M. Segre. A novel asynchronous parallelism scheme for first-order logic. *Lecture Notes in Computer Science*, 814:484–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goubault:1994:PBC**

- [1451] J. Goubault. Proving with BDDs and control of information. *Lecture Notes in Computer Science*, 814:499–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graf:1994:EPI**

- [1452] P. Graf. Extended path-indexing. *Lecture Notes in Computer Science*, 814:514–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Constable:1994:ERA**

- [1453] R. L. Constable. Exporting and reflecting abstract metamathematics. *Lecture Notes in Computer Science*, 814:529–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vigneron:1994:ACD**

- [1454] L. Vigneron. Associative-commutative deduction with constraints. *Lecture Notes in Computer Science*, 814:530–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nieuwenhuis:1994:ASC**

- [1455] R. Nieuwenhuis and A. Rubio. AC-superposition with constraints: No AC-unifiers needed. *Lecture Notes in Computer Science*, 814:545–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hermann:1994:CCP**

- [1456] M. Hermann and P. G. Kolaitis. The complexity of counting problems in equational matching. *Lecture Notes in Computer Science*, 814:560–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anderson:1994:RPT**

- [1457] P. Anderson. Representing proof transformations for program optimization. *Lecture Notes in Computer Science*, 814:575–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jackson:1994:EAA**

- [1458] P. Jackson. Exploring abstract algebra in constructive type theory. *Lecture Notes in Computer Science*, 814:590–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Felty:1994:TTP**

- [1459] A. Felty and D. Howe. Tactic theorem proving with refinement-tree proofs and metavariables. *Lecture Notes in Computer Science*, 814:605–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johann:1994:UEL**

- [1460] P. Johann and M. Kohlhase. Unification in an extensional lambda calculus with ordered function sorts and constant overloading. *Lecture Notes in Computer Science*, 814:620–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prehofer:1994:DHO**

- [1461] C. Prehofer. Decidable higher-order unification problems. *Lecture Notes in Computer Science*, 814:635–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mueller:1994:TPM**

- [1462] O. Mueller and F. Weber. Theory and practice of minimal modular higher-order E-unification. *Lecture Notes in Computer Science*, 814:650–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Socher-Ambrosius:1994:RVG**

- [1463] R. Socher-Ambrosius. A refined version of general E-unification. *Lecture Notes in Computer Science*, 814:665–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beckert:1994:CBM**

- [1464] B. Beckert. A completion-based method for mixed universal and rigid E-unification. *Lecture Notes in Computer Science*, 814:678–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buendgen:1994:PPP**

- [1465] R. Buendgen. On pot, pans and pudding or how to discover generalised critical pairs. *Lecture Notes in Computer Science*, 814:693–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klingenbeck:1994:STO**

- [1466] S. Klingenbeck and R. Haehnle. Semantic tableaux with ordering restrictions. *Lecture Notes in Computer Science*, 814:708–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Massacci:1994:SAT**

- [1467] F. Massacci. Strongly analytic tableaux for normal modal logics. *Lecture Notes in Computer Science*, 814:723–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1994:RPA**

- [1468] X. Huang. Reconstructing proofs at the assertion level. *Lecture Notes in Computer Science*, 814:738–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1994:PGF**

- [1469] J. Zhang. Problems on the generation of finite models. *Lecture Notes in Computer Science*, 814:753–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clarke:1994:CSC**

- [1470] E. Clarke and X. Zhao. Combining symbolic computation and theorem proving: Some problems of ramanujan. *Lecture Notes in Computer Science*, 814:758–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Slaney:1994:SSC**

- [1471] J. Slaney, E. Lusk, and W. W. McCune. SCOTT: Semantically constrained OTTER. *Lecture Notes in Computer Science*, 814:764–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baumgartner:1994:PPT**

- [1472] P. Baumgartner and U. Furbach. PROTEIN: A PROver with a theory ex-

tension INterface. *Lecture Notes in Computer Science*, 814:769–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schumann:1994:DBP**

- [1473] J. M. P. Schumann. DELTA — A bottom-up preprocessor for top-down theorem provers. *Lecture Notes in Computer Science*, 814:774–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goller:1994:SVR**

- [1474] C. Goller, R. Letz, K. Mayr, and J. M. P. Schumann. SETHEO V3.2: Recent developments. *Lecture Notes in Computer Science*, 814:778–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bibel:1994:K**

- [1475] W. Bibel, S. Bruening, U. Egly, and T. Rath. KoMeT. *Lecture Notes in Computer Science*, 814:783–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1994:MPD**

- [1476] X. Huang, M. Kerber, M. Kohlhase, and E. Melis. -MKRP: A proof development environment. *Lecture Notes in Computer Science*, 814:788–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beckert:1994:LLT**

- [1477] B. Beckert and J. Posegga. leanTAP: Lean tableau-based theorem proving. *Lecture Notes in Computer Science*, 814:793–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Slaney:1994:FFD**

- [1478] J. Slaney. FINDER: Finite domain enumerator. *Lecture Notes in Computer Science*, 814:798–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Portoraro:1994:SA**

- [1479] F. D. Portoraro. Symlog: Automated advice in fitch-style proof construction. *Lecture Notes in Computer Science*, 814:802–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1994:KTA**

- [1480] X. Huang, M. Kerber, M. Kohlhase, and E. Melis. KEIM: A toolkit for automated deduction. *Lecture Notes in Computer Science*, 814:807–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pfenning:1994:EML**

- [1481] F. Pfenning. Elf: A meta-language for deductive systems. *Lecture Notes in Computer Science*, 814:811–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ohtani:1994:EIT**

- [1482] T. Ohtani, H. Sawamura, and T. Minami. EUODHILOS-II on top of GNU epoch. *Lecture Notes in Computer Science*, 814:816–820, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eriksson:1994:PID**

- [1483] L.-H. Eriksson. Pi: An interactive derivation editor for the calculus of partial inductive definitions. *Lecture*

*Notes in Computer Science*, 814:821–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Richards:1994:MGP**

- [1484] B. L. Richards, I. Kraan, A. Smaill, and G. A. Wiggins. Mollusc: A general proof-development shell for sequent-based logics. *Lecture Notes in Computer Science*, 814:826–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wang:1994:KAI**

- [1485] T. C. Wang and A. Goldberg. KITP-93: An automated inference system for program analysis. *Lecture Notes in Computer Science*, 814:831–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouhoula:1994:SSS**

- [1486] A. Bouhoula. SPIKE: A system for sufficient completeness and parameterized inductive proofs. *Lecture Notes in Computer Science*, 814:836–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonacina:1994:DTP**

- [1487] M. P. Bonacina and W. W. McCune. Distributed theorem proving by peers. *Lecture Notes in Computer Science*, 814:841–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clarke:1994:AVF**

- [1488] E. M. Clarke. Automatic verification of finite-state concurrent systems. *Lecture Notes in Computer Science*, 815:1–??,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DiCesare:1994:APN**

- [1489] F. DiCesare, P. T. Kulp, M. Gile, and G. List. The application of Petri nets to the modeling, analysis and control of intelligent urban traffic networks. *Lecture Notes in Computer Science*, 815:2-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meseguer:1994:MCP**

- [1490] J. Meseguer, U. Montanari, and V. Sassone. On the model of computation of place/transition Petri nets. *Lecture Notes in Computer Science*, 815:16-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anglano:1994:BWA**

- [1491] C. Anglano and L. Portinale. B-W analysis: a backward reachability analysis for diagnostic problem solving suitable to parallel implementation. *Lecture Notes in Computer Science*, 815:39-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bennacer:1994:PVR**

- [1492] N. Bennacer, G. Florin, C. Fraize, and S. Natkin. Probabilistic validation of a remote procedure call protocol. *Lecture Notes in Computer Science*, 815:59-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berthelot:1994:OGI**

- [1493] G. Berthelot and H. Boucheneb. Occurrence graphs for interval timed coloured nets. *Lecture Notes in Computer*

*Science*, 815:79-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Briz:1994:IWP**

- [1494] J. L. Briz and J. M. Colom. Implementation of weighted place/transition nets based on linear enabling functions. *Lecture Notes in Computer Science*, 815:99-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buchholz:1994:HHL**

- [1495] P. Buchholz. Hierarchical high level Petri nets for complex system analysis. *Lecture Notes in Computer Science*, 815:119-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chiola:1994:MSC**

- [1496] G. Chiola, G. Franceschinis, and R. Gaeta. Modelling symmetric computer architectures by SWNs. *Lecture Notes in Computer Science*, 815:139-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Christensen:1994:CPN**

- [1497] S. Christensen and N. D. Hansen. Coloured Petri nets extended with channels for synchronous communication. *Lecture Notes in Computer Science*, 815:159-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ciardo:1994:PNM**

- [1498] G. Ciardo. Petri nets with marking-dependent arc cardinality: properties and analysis. *Lecture Notes in*

*Computer Science*, 815:179–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Couvreur:1994:NSI**

- [1499] J. M. Couvreur and E. Paviot-Adet. New structural invariants for Petri nets analysis. *Lecture Notes in Computer Science*, 815:199–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Diaz:1994:TSP**

- [1500] M. Diaz and P. Senac. Time stream Petri nets: a model for timed multimedia information. *Lecture Notes in Computer Science*, 815:219–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dietz:1994:TRP**

- [1501] C. Dietz and G. Schreiber. A term representation of P/T systems. *Lecture Notes in Computer Science*, 815:239–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Donatelli:1994:SGS**

- [1502] S. Donatelli. Superposed generalized stochastic Petri nets: definition and efficient solution. *Lecture Notes in Computer Science*, 815:258–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Genrich:1994:VRB**

- [1503] H. J. Genrich, H.-M. Hanisch, and K. Woellhaf. Verification of recipe-based control procedures by means of predicate/transition nets. *Lecture Notes in Computer Science*, 815:278–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Keller:1994:TCS**

- [1504] R. K. Keller, M. Ozkan, and X. Shen. Towards comprehensive support for the dynamic analysis of Petri net based models. *Lecture Notes in Computer Science*, 815:298–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koutny:1994:POS**

- [1505] M. Koutny. Partial order semantics of box expressions. *Lecture Notes in Computer Science*, 815:318–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lakos:1994:GSA**

- [1506] C. Lakos and S. Christensen. A general systematic approach to arc extensions for coloured Petri nets. *Lecture Notes in Computer Science*, 815:338–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lautenbach:1994:LBP**

- [1507] K. Lautenbach and H. Ridder. Liveness in bounded Petri nets which are covered by  $t$ -invariants. *Lecture Notes in Computer Science*, 815:358–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mortensen:1994:MWF**

- [1508] K. H. Mortensen and V. Pinci. Modelling the work flow of a nuclear waste management program. *Lecture Notes in Computer Science*, 815:376–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nielsen:1994:DSA**

- [1509] D. S. Nielsen and L. Kleinrock. Data structures and algorithms for extended state space and structural level reduction of the GSPN model. *Lecture Notes in Computer Science*, 815:396–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pastor:1994:PNA**

- [1510] E. Pastor, O. Roig, J. Cortadella, and R. M. Badia. Petri net analysis using Boolean manipulation. *Lecture Notes in Computer Science*, 815:416–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ruckdeschel:1994:MPB**

- [1511] W. Ruckdeschel and R. Onken. Modelling of pilot behaviour using Petri nets. *Lecture Notes in Computer Science*, 815:436–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Scheschonk:1994:SAD**

- [1512] G. Scheschonk and M. Timpe. Simulation and analysis of a document storage system. *Lecture Notes in Computer Science*, 815:454–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sibertin-Blanc:1994:CN**

- [1513] C. Sibertin-Blanc. Cooperative nets. *Lecture Notes in Computer Science*, 815:471–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Teruel:1994:WFE**

- [1514] E. Teruel and M. Silva. Well-formedness of equal conflict systems. *Lecture Notes in Computer Science*, 815:491–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tiusanen:1994:SSS**

- [1515] M. Tiusanen. Symbolic, symmetry, and stubborn set searches. *Lecture Notes in Computer Science*, 815:511–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Valmari:1994:CAP**

- [1516] A. Valmari. Compositional analysis with place-bordered subnets. *Lecture Notes in Computer Science*, 815:531–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Varpaaniemi:1994:CSS**

- [1517] K. Varpaaniemi. On combining the stubborn set method with the sleep set method. *Lecture Notes in Computer Science*, 815:548–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yakovlev:1994:CMH**

- [1518] A. Yakovlev, M. Kishinevsky, A. Konratyev, and L. Lavagno. OR causality: modelling and hardware implementation. *Lecture Notes in Computer Science*, 815:568–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asperti:1994:IS**

- [1519] A. Asperti and C. Laneve. Interaction systems. *Lecture Notes in Computer Science*, 816:1–19, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanBakel:1994:SNT**

- [1520] S. Van Bakel and M. Fernandez. Strong normalization of typeable rewrite systems. *Lecture Notes in Computer Science*, 816:20–39, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bellegarde:1994:TSC**

- [1521] F. Bellegarde. A transformation system combining partial evaluation with term rewriting. *Lecture Notes in Computer Science*, 816:40–55, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berghammer:1994:PRS**

- [1522] R. Berghammer, T. F. Gritzner, and G. Schmidt. Prototyping relational specifications using higher-order objects. *Lecture Notes in Computer Science*, 816:56–75, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanDeursen:1994:OTH**

- [1523] A. Van Deursen and T. B. Dinesh. Origin tracking for higher-order term rewriting systems. *Lecture Notes in Computer Science*, 816:76–95, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Farmer:1994:TIS**

- [1524] W. H. Farmer. Theory interpretation in simple type theory. *Lecture Notes in Computer Science*, 816:96–123, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grosu:1994:SS**

- [1525] R. Grosu and F. Regensburger. The semantics of spectrum. *Lecture Notes in Computer Science*, 816:124–145, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hearn:1994:ATL**

- [1526] B. M. Hearn and K. Meinke. ATLAS: A typed language for algebraic specification. *Lecture Notes in Computer Science*, 816:146–168, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kahrs:1994:CCR**

- [1527] S. Kahrs. Compilation of combinatory reduction systems. *Lecture Notes in Computer Science*, 816:169–188, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meinke:1994:SVH**

- [1528] K. Meinke and L. J. Steggles. Specification and verification in higher-order algebra: A case study of convolution. *Lecture Notes in Computer Science*, 816:189–222, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moeller:1994:OCM**

- [1529] B. Moeller. Ordered and continuous models of higher-order specifications. *Lecture Notes in Computer Science*

ence, 816:223–255, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanOostrom:1994:CCR**

- [1530] V. Van Oostrom and F. Van Raamsdonk. Comparing combinatory reduction systems and higher-order rewrite systems. *Lecture Notes in Computer Science*, 816:276–304, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VandePol:1994:TPH**

- [1531] J. Van de Pol. Termination proofs for higher-order rewrite systems. *Lecture Notes in Computer Science*, 816:305–325, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schobbens:1994:EIM**

- [1532] P.-Y. Schobbens. Extensions of initial models and their second-order proof systems. *Lecture Notes in Computer Science*, 816:326–344, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferreira:1994:IPR**

- [1533] A. G. Ferreira and M. D. Grammatikakis. Improved probabilistic routing on generalized hypercubes. *Lecture Notes in Computer Science*, 817:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liu:1994:EDC**

- [1534] J. Liu and W.-J. Hsu. Efficient data communication in incomplete hypercubes. *Lecture Notes in Computer Science*, 817:13–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oehring:1994:ECF**

- [1535] S. R. Oehring and S. K. Das. Efficient communication in the folded Petersen interconnection networks. *Lecture Notes in Computer Science*, 817:25–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lincoln:1994:CRS**

- [1536] P. Lincoln, N. Marti-Oliet, J. Meseguer, and L. Ricciulli. Compiling rewriting onto SIMD and MIMD/SIMD machines. *Lecture Notes in Computer Science*, 817:37–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pande:1994:CTV**

- [1537] S. Pande and K. Psarris. A compilation technique for varying communication cost NUMA architectures. *Lecture Notes in Computer Science*, 817:49–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**OBoyle:1994:DPA**

- [1538] M. O’Boyle. A data partitioning algorithm for distributed memory compilation. *Lecture Notes in Computer Science*, 817:61–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**FiallosAguilar:1994:THP**

- [1539] M. Fiallos Aguilar and J. Duprat. Towards a high precision massively parallel computer. *Lecture Notes in Computer Science*, 817:73–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vergis:1994:TPR**

- [1540] A. Vergis and V. Verykios. On the testability of purely recursive digital filters. *Lecture Notes in Computer Science*, 817:85–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hopkins:1994:VSC**

- [1541] R. P. Hopkins. Voting on synchronous communications. *Lecture Notes in Computer Science*, 817:97–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benslimane:1994:PVP**

- [1542] A. Benslimane. Protocol validation: A parallel technique to reduce the reachability tree. *Lecture Notes in Computer Science*, 817:109–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bampis:1994:OPE**

- [1543] E. Bampis, J.-C. Koenig, and D. Trystram. Optimal parallel execution of complete binary trees and grids into most popular interconnection networks. *Lecture Notes in Computer Science*, 817:122–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Olariu:1994:TON**

- [1544] S. Olariu and I. Stojmenovic. Time-optimal nearest-neighbor computations on enhanced meshes. *Lecture Notes in Computer Science*, 817:134–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leppaenen:1994:SPM**

- [1545] V. Leppaenen and M. Penttonen. Simulation of PRAM models on meshes. *Lecture Notes in Computer Science*, 817:146–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Atallah:1994:MPH**

- [1546] M. J. Atallah and A. Fabri. On the multisearching problem for hypercubes. *Lecture Notes in Computer Science*, 817:159–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**PratherPineo:1994:CLT**

- [1547] P. Prather Pineo. Code liberation — A tool for refitting code to a parallel environment. *Lecture Notes in Computer Science*, 817:167–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prestwich:1994:HLV**

- [1548] S. D. Prestwich and A. J. Kusalik. High-level visualization of parallel logic program execution. *Lecture Notes in Computer Science*, 817:180–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hackstadt:1994:NGP**

- [1549] S. T. Hackstadt and A. D. Malony. Next-generation parallel performance visualization: A prototyping environment for visualization development. *Lecture Notes in Computer Science*, 817:192–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Sharnowski:1994:FAM**

- [1550] J. L. Sharnowski and B. H. C. Cheng. A formal approach to modeling expected behavior in parallel program visualizations. *Lecture Notes in Computer Science*, 817:202–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dai:1994:ISD**

- [1551] H. K. Dai. An improvement in the size-depth tradeoff for strictly non-blocking generalized-concentration networks. *Lecture Notes in Computer Science*, 817:214–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ishikawa:1994:BSH**

- [1552] T. Ishikawa. Bypass strategy in hypercube multiprocessors by adding bus connections. *Lecture Notes in Computer Science*, 817:226–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ghose:1994:OHM**

- [1553] K. Ghose. OPTIMUL: A hybrid multiprocessor for distributed and shared memory multiprocessing with WDM optical fiber interconnections. *Lecture Notes in Computer Science*, 817:238–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Loyens:1994:ISL**

- [1554] L. D. J. C. Loyens and J. R. Moonen. ILIAS: A sequential language for parallel matrix computations. *Lecture Notes in Computer Science*, 817:250–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**GautierdeLahaut:1994:SCP**

- [1555] D. Gautier de Lahaut and C. Germain. Static communications in parallel scientific programs. *Lecture Notes in Computer Science*, 817:262–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rauber:1994:LBE**

- [1556] T. Rauber and G. Ruenger. Load balancing for extrapolation methods on distributed memory multiprocessors. *Lecture Notes in Computer Science*, 817:277–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ertel:1994:DS**

- [1557] W. Ertel. On the definition of speedup. *Lecture Notes in Computer Science*, 817:289–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wabnig:1994:PNP**

- [1558] H. Wabnig and G. Haring. Petri net performance models of parallel systems — methodology and case study. *Lecture Notes in Computer Science*, 817:301–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ziantz:1994:RTO**

- [1559] L. H. Ziantz, C. C. Oezturan, and B. K. Szymanski. Run-time optimization of sparse matrix-vector multiplication on SIMD machines. *Lecture Notes in Computer Science*, 817:313–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wakatani:1994:NAA**

- [1560] A. Wakatani and M. Wolfe. A new approach to array redistribution: Strip mining redistribution. *Lecture Notes in Computer Science*, 817:323–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carreras:1994:AMC**

- [1561] C. Carreras, C. A. Lopez, and M. Hermenegildo. Analytic model of a cache only memory architecture. *Lecture Notes in Computer Science*, 817:336–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agarwal:1994:MAM**

- [1562] A. Agarwal, J. V. Guttag, C. N. Hadjicostis, and M. C. Papaefthymiou. Memory assignment for multiprocessor caches through grey coloring. *Lecture Notes in Computer Science*, 817:351–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nilsson:1994:AUB**

- [1563] H. Nilsson and P. Stenstroem. An adaptive update-based cache coherence protocol for reduction of miss rate and traffic. *Lecture Notes in Computer Science*, 817:363–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bennett:1994:EIC**

- [1564] A. J. Bennett and P. H. J. Kelly. Eliminating invalidation in coherent-cache parallel graph reduction. *Lecture Notes in Computer Science*, 817:375–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

*ture Notes in Computer Science*, 817:375–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1994:EPR**

- [1565] F. Zhang and E. H. D’Hollander. Enhancing parallelism by removing cyclic data dependencies. *Lecture Notes in Computer Science*, 817:387–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Takeuchi:1994:IBL**

- [1566] K. Takeuchi, K. Honda, and M. Kubo. An interaction-based language and its typing system. *Lecture Notes in Computer Science*, 817:398–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papadopoulos:1994:PD**

- [1567] C. V. Papadopoulos. On the parallelism of data. *Lecture Notes in Computer Science*, 817:414–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thudichum Vasconcelos:1994:PPC**

- [1568] V. Thudichum Vasconcelos. Predicative polymorphism in  $\pi$ -calculus. *Lecture Notes in Computer Science*, 817:425–437, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shen:1994:IED**

- [1569] K. Shen. Improving the execution of the dependent And-Parallel Prolog DDAS. *Lecture Notes in Computer Science*, 817:438–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kacsuk:1994:PPD**

- [1570] P. Kacsuk. OR-Parallel Prolog on distributed memory systems. *Lecture Notes in Computer Science*, 817:453–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kuchen:1994:EDM**

- [1571] H. Kuchen, R. Plasmeijer, and H. Stoltze. Efficient distributed memory implementation of a data parallel functional language. *Lecture Notes in Computer Science*, 817:464–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abramson:1994:MPP**

- [1572] D. Abramson, M. Cope, and R. McKenzie. Modelling photochemical pollution using parallel and distributed computing platforms. *Lecture Notes in Computer Science*, 817:478–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bull:1994:PAI**

- [1573] J. M. Bull and T. L. Freeman. Parallel algorithms and interval selection strategies for globally adaptive quadrature. *Lecture Notes in Computer Science*, 817:490–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brudaru:1994:SDE**

- [1574] O. Brudaru and G. M. Megson. Systolic designs for evaluating linear combinations of Chebyshev polynomials. *Lecture Notes in Computer Science*, 817:502–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dageville:1994:IKA**

- [1575] B. Dageville, P. Casadessus, and P. Borla-Salamet. The impact of the KSR1 allcache architecture on the behavior of the DBS3 parallel DBMS. *Lecture Notes in Computer Science*, 817:514–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liotopoulos:1994:SGH**

- [1576] F. K. Liotopoulos. Sparse generalized HyperGrids for performance scalability. *Lecture Notes in Computer Science*, 817:526–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Puaut:1994:DGC**

- [1577] I. Puaut. A distributed garbage collector for active objects. *Lecture Notes in Computer Science*, 817:539–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferreira:1994:BBP**

- [1578] A. G. Ferreira, A. G. Vel Lejbman, and S. W. Song. Bus-based parallel computers: A viable way for massive parallelism. *Lecture Notes in Computer Science*, 817:553–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barrado:1994:IG**

- [1579] C. Barrado, J. Labarta, and P. Borenstzejn. Implementation of GTS. *Lecture Notes in Computer Science*, 817:565–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kim:1994:HAM**

- [1580] C. Kim and J.-L. Gaudiot. A hierarchical activation management technique for fine-grain multithreaded execution. *Lecture Notes in Computer Science*, 817:577–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mehdiratta:1994:STG**

- [1581] N. Mehdiratta and K. Ghose. Scheduling task graphs onto distributed memory multiprocessors under realistic constraints. *Lecture Notes in Computer Science*, 817:589–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papadopoulos:1994:DAO**

- [1582] C. V. Papadopoulos. A dynamic algorithm for online scheduling of parallel processes. *Lecture Notes in Computer Science*, 817:601–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boniol:1994:CSC**

- [1583] F. Boniol. COREA: A synchronous calculus of parallel communicating reactive automata. *Lecture Notes in Computer Science*, 817:611–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Janicki:1994:DHN**

- [1584] R. Janicki and M. Koutny. Deriving histories of nets with priority relation. *Lecture Notes in Computer Science*, 817:623–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Radestock:1994:WDY**

- [1585] M. Radestock and S. Eisenbach. What do you get from a  $\Pi$ -calculus semantics? *Lecture Notes in Computer Science*, 817:635–647, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Viry:1994:REM**

- [1586] P. Viry. Rewriting: An effective model of concurrency. *Lecture Notes in Computer Science*, 817:648–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fowler:1994:MOA**

- [1587] R. J. Fowler and L. Kontothanasias. Mercury: Object-affinity scheduling and continuation passing on multiprocessors. *Lecture Notes in Computer Science*, 817:661–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Smai:1994:DAC**

- [1588] A.-H. Smai and L.-E. Thorelli. Dynamic allocation of communication bandwidth in multicomputers. *Lecture Notes in Computer Science*, 817:677–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gupta:1994:LBP**

- [1589] A. K. Gupta and A. G. Photiou. Load-balanced priority queues on distributed memory machines. *Lecture Notes in Computer Science*, 817:689–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roch:1994:PCA**

- [1590] J. L. Roch and G. Villard. Parallel computations with algebraic numbers — A case study: Jordan normal form of matrices. *Lecture Notes in Computer Science*, 817:701–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferragina:1994:BDA**

- [1591] P. Ferragina and F. Luccio. Batch dynamic algorithms for two graph problems. *Lecture Notes in Computer Science*, 817:713–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schollmeyer:1994:GMM**

- [1592] M. Schollmeyer and B. McMillin. A general method for maximizing the error-detecting ability of distributed algorithms. *Lecture Notes in Computer Science*, 817:725–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mourlas:1994:MMA**

- [1593] C. Mourlas and C. Halatsis. MAGE: A massively agent execution system for logic programming. *Lecture Notes in Computer Science*, 817:737–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Caplain:1994:CSC**

- [1594] G. Caplain, R. Lalement, and T. Salset. Checking the serial correctness of control-parallel programs. *Lecture Notes in Computer Science*, 817:741–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stellner:1994:NPP**

- [1595] G. Stellner, A. Bode, S. Lamberts, and T. Ludwig. NXLib — A parallel programming environment for workstation clusters. *Lecture Notes in Computer Science*, 817:745–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hondroudakis:1994:AHF**

- [1596] A. Hondroudakis and R. Procter. Applying human factors techniques to the design of a tool for parallel program performance analysis and tuning. *Lecture Notes in Computer Science*, 817:749–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Desbiens:1994:ABP**

- [1597] J. Desbiens, M. Toulouse, M. Lavoie, and S. Pouzyreff. An actor-based programming system for heterogeneous processing. *Lecture Notes in Computer Science*, 817:753–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pena:1994:IFC**

- [1598] R. Peña and L. A. Galán. Introducing fairness in CSP systems specified with state variables. *Lecture Notes in Computer Science*, 817:757–760, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kusakabe:1994:DBM**

- [1599] S. Kusakabe, E. Takahashi, R.-I. Taniguchi, and M. Amamiya. A dataflow-based massively parallel programming language and its implementation. *Lecture Notes in Computer*

*Science*, 817:761–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Listl:1994:USC**

- [1600] A. Listl. Using subpages for coherency control in parallel database systems. *Lecture Notes in Computer Science*, 817:765–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Verdier:1994:NMD**

- [1601] C. Verdier, A. Lafage, E. Boutillon, and A. Demeure. A new multi-dimensional interconnection network for SIMD architectures. *Lecture Notes in Computer Science*, 817:769–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Neschen:1994:SBS**

- [1602] M. Neschen and M. Gumm. A scalable bit-sequential SIMD architecture for pattern recognition. *Lecture Notes in Computer Science*, 817:773–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lam:1994:IAP**

- [1603] S. P. S. Lam. An iterative array processor architecture for matrix computation. *Lecture Notes in Computer Science*, 817:777–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kawano:1994:DIF**

- [1604] T. Kawano, S. Kusakabe, R.-I. Taniguchi, and M. Amamiya. Datarol-II: A fine-grain massively parallel architecture. *Lecture Notes in Computer Science*, 817:781–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kalantery:1994:BVN**

- [1605] N. Kalantery, S. C. Winter, and D. R. Wilson. From BSP to a virtual von Neumann machine. *Lecture Notes in Computer Science*, 817:785–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Okada:1994:DPR**

- [1606] H. Okada, K. Matsumoto, and M. Kitsuregawa. Data parallel relational database processing on the Connection Machine CM-2 with Data Vault. *Lecture Notes in Computer Science*, 817:789–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hurson:1994:SSL**

- [1607] A. R. Hurson, J. T. Lim, B. Shirazi, and K. Kavi. Staggered Scheme: A loop allocation policy. *Lecture Notes in Computer Science*, 817:793–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Borut:1994:UPS**

- [1608] R. Borut and J. Silc. Using parallel simulated annealing in the mapping problem. *Lecture Notes in Computer Science*, 817:797–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johansson:1994:NPM**

- [1609] T. Johansson and E. Bengtsson. A new parallel MIND connected component labeling algorithm. *Lecture Notes in Computer Science*, 817:801–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Markatos:1994:URC**

- [1610] E. Markatos and C. E. Chronaki. Using reference counters in update-based coherent memory. *Lecture Notes in Computer Science*, 817:805–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schepers:1994:CRA**

- [1611] H. Schepers. Compositional reasoning about real-time distributed systems with limited resources. *Lecture Notes in Computer Science*, 817:809–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lioupis:1994:DLB**

- [1612] D. Lioupis and M. Stefanidakis. Dynamic load balancing on a virtually-shared memory parallel computer system. *Lecture Notes in Computer Science*, 817:813–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schumann:1994:ALB**

- [1613] J. Schumann and M. Jobmann. Analysing the load balancing scheme of a parallel system on multiprocessors — A modeling approach. *Lecture Notes in Computer Science*, 817:819–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nemawarkar:1994:PIN**

- [1614] S. S. Nemawarkar, R. Govindarajan, G. R. Gao, and V. K. Agarwal. Performance of interconnection network in multithreaded architectures. *Lecture*

*Notes in Computer Science*, 817:823–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lopes:1994:SAP**

- [1615] L. M. B. Lopes and F. M. A. Silva. Scheduling algorithms performance with the pSystem parallel programming environment. *Lecture Notes in Computer Science*, 817:827–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seo:1994:NRS**

- [1616] S.-W. Seo and T.-Y. Feng. A new routing scheme for concatenating two Omega networks. *Lecture Notes in Computer Science*, 817:831–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alur:1994:DCT**

- [1617] R. Alur, L. Fix, and T. A. Henzinger. A determinizable class of timed automata. *Lecture Notes in Computer Science*, 818:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gorrieri:1994:RTS**

- [1618] R. Gorrieri and G. Siliprandi. Real-time system verification using P/T nets. *Lecture Notes in Computer Science*, 818:14–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lam:1994:CSP**

- [1619] W. K. C. Lam and R. K. Brayton. Criteria for the simple path property in timed automata. *Lecture Notes*

in *Computer Science*, 818:27–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McMillan:1994:HRD**

- [1620] K. L. McMillan. Hierarchical representations of discrete functions, with application to model checking. *Lecture Notes in Computer Science*, 818:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boigelot:1994:SVP**

- [1621] B. Boigelot and P. Wolper. Symbolic verification with periodic sets. *Lecture Notes in Computer Science*, 818:55–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Burch:1994:AVP**

- [1622] J. R. Burch and D. L. Dill. Automatic verification of pipelined microprocessor control. *Lecture Notes in Computer Science*, 818:68–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Olivero:1994:UAV**

- [1623] A. Olivero, J. Sifakis, and S. Yovine. Using abstractions for the verification of linear hybrid systems. *Lecture Notes in Computer Science*, 818:81–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Puri:1994:DHS**

- [1624] A. Puri and P. Varaiya. Decidability of hybrid systems with rectangular differential inclusions. *Lecture Notes in Computer Science*, 818:95–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McManis:1994:SAD**

- [1625] J. McManis and P. Varaiya. Suspension automata: A decidable class of hybrid automata. *Lecture Notes in Computer Science*, 818:105–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouajjani:1994:VCF**

- [1626] A. Bouajjani, R. Echahed, and R. Robbana. Verification of context-free timed systems using linear hybrid observers. *Lecture Notes in Computer Science*, 818:118–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mihail:1994:RWM**

- [1627] M. Mihail and C. H. Papadimitriou. On the random walk method for protocol testing. *Lecture Notes in Computer Science*, 818:132–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bernholtz:1994:ATA**

- [1628] O. Bernholtz, M. Y. Vardi, and P. Wolper. An automata-theoretic approach to branching-time model checking. *Lecture Notes in Computer Science*, 818:142–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anuchitanukul:1994:RSR**

- [1629] A. Anuchitanukul and Z. Manna. Realizability and synthesis of reactive modules. *Lecture Notes in Computer Science*, 818:156–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Hungar:1994:MCM**

- [1630] H. Hungar. Model checking of macro processes. *Lecture Notes in Computer Science*, 818:169–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beer:1994:MSP**

- [1631] I. Beer, S. Ben-David, D. Geist, and R. Gewirtzman. Methodology and system for practical formal verification of reactive hardware. *Lecture Notes in Computer Science*, 818:182–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Naik:1994:MVR**

- [1632] V. G. Naik and A. P. Sistla. Modeling and verification of a real life protocol using symbolic-model checking. *Lecture Notes in Computer Science*, 818:194–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graf:1994:VDC**

- [1633] S. Graf. Verification of a distributed cache memory by using abstractions. *Lecture Notes in Computer Science*, 818:207–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Manna:1994:BMC**

- [1634] Z. Manna. Beyond model checking. *Lecture Notes in Computer Science*, 818:220–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kurshan:1994:MWC**

- [1635] R. P. Kurshan. Models whose checks don't explode. *Lecture Notes in Computer Science*, 818:222–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Balarin:1994:ACN**

- [1636] F. Balarin and A. L. Sangiovanni-Vincentelli. On the automatic computation of network invariants. *Lecture Notes in Computer Science*, 818:234–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cyrluk:1994:GTL**

- [1637] D. Cyrluk and P. Narendran. Ground temporal logic: A logic for hardware verification. *Lecture Notes in Computer Science*, 818:247–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schubert:1994:HMR**

- [1638] E. T. Schubert. A hybrid model for reasoning about composed hardware systems. *Lecture Notes in Computer Science*, 818:260–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hazelhurst:1994:CST**

- [1639] S. Hazelhurst and C.-J. H. Seger. Composing symbolic trajectory evaluation results. *Lecture Notes in Computer Science*, 818:273–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhu:1994:CHI**

- [1640] Z. Zhu and C.-J. H. Seger. The completeness of a hardware inference system. *Lecture Notes in Computer Science*, 818:286–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Geist:1994:EMC**

- [1641] D. Geist and I. Beer. Efficient model checking by automated ordering of transition relation partitions. *Lecture Notes in Computer Science*, 818:299–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Singhal:1994:VPS**

- [1642] V. Singhal and C. Pixley. The verification problem for safe replaceability. *Lecture Notes in Computer Science*, 818:311–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aziz:1994:FDE**

- [1643] A. Aziz, T. R. Shiple, V. Singhal, and A. L. Sangiovanni-Vincentelli. Formula-dependent equivalence for compositional CTL model checking. *Lecture Notes in Computer Science*, 818:324–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Long:1994:IAE**

- [1644] D. E. Long, A. Browne, E. M. Clarke, and S. Jha. An improved algorithm for the evaluation of fixpoint expressions. *Lecture Notes in Computer Science*, 818:338–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sokolsky:1994:IMC**

- [1645] O. V. Sokolsky and S. A. Smolka. Incremental model checking in the modal mu-calculus. *Lecture Notes in Computer Science*, 818:351–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cousin:1994:PIS**

- [1646] B. Cousin and J. Helary. Performance improvement of state space exploration by regular and differential hashing functions. *Lecture Notes in Computer Science*, 818:364–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Peled:1994:CPO**

- [1647] D. Peled. Combining partial order reductions with on-the-fly model-checking. *Lecture Notes in Computer Science*, 818:377–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hojati:1994:ILC**

- [1648] R. Hojati, R. Mueller-Thuns, and R. K. Brayton. Improving language containment using fairness graphs. *Lecture Notes in Computer Science*, 818:391–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1994:PAR**

- [1649] I. Lee and S. Rajasekaran. A parallel algorithm for relational coarsest partition problems and its implementation. *Lecture Notes in Computer Science*, 818:404–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clarke:1994:ALL**

- [1650] E. Clarke, O. Grumberg, and K. Hamaguchi. Another look at LTL model checking. *Lecture Notes in Computer Science*, 818:415–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Victor:1994:MWT**

- [1651] B. Victor and F. Moller. The mobility workbench: A tool for the pi-calculus. *Lecture Notes in Computer Science*, 818:428–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeSimone:1994:CSE**

- [1652] R. De Simone and A. Ressouche. Compositional semantics of Esterel and verification by compositional reductions. *Lecture Notes in Computer Science*, 818:441–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dams:1994:MCU**

- [1653] D. Dams, R. Gerth, G. Doehmen, and R. Herrmann. Model checking using adaptive state and data abstraction. *Lecture Notes in Computer Science*, 818:455–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rokicki:1994:AVT**

- [1654] T. G. Rokicki and C. J. Myers. Automatic verification of timed circuits. *Lecture Notes in Computer Science*, 818:468–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yap:1994:DSN**

- [1655] M. Yap. Developing the Singapore National Information Infrastructure. *Lecture Notes in Computer Science*, 819:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Godfrey:1994:ACD**

- [1656] P. Godfrey, J. Minker, and L. Novik. An architecture for a cooperative database system. *Lecture Notes in Computer Science*, 819:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Samet:1994:SD**

- [1657] H. Samet. Spatial databases. *Lecture Notes in Computer Science*, 819:25–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buchmann:1994:DMR**

- [1658] A. Buchmann. Database management for real-time applications. *Lecture Notes in Computer Science*, 819:26–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zloof:1994:EUI**

- [1659] M. Zloof and R. Krishnamurthy. The evolution of user interface tools for database applications. *Lecture Notes in Computer Science*, 819:27–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sripada:1994:TDT**

- [1660] S. M. Sripada, B. L. Rosser, J. M. Bedford, and R. A. Kowalski. Temporal database technology for air traffic flow management. *Lecture Notes*

in *Computer Science*, 819:28–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johansson:1994:UEM**

- [1661] O. Johansson. Using an extended ER-Model based data dictionary to automatically generate product modeling systems. *Lecture Notes in Computer Science*, 819:42–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ehlmann:1994:NDA**

- [1662] B. K. Ehlmann and G. A. Riccardi. A notation for describing aggregate relationships in an object-oriented data model. *Lecture Notes in Computer Science*, 819:62–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ketabchi:1994:MAA**

- [1663] M. Ketabchi, N. Sehgal, S. Dasananda, and R. Mikkilineni. Modeling activities of application domains. *Lecture Notes in Computer Science*, 819:78–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lu:1994:EIR**

- [1664] H. Lu, B.-C. Ooi, and Kian Lee Tan. Efficient image retrieval by color contents. *Lecture Notes in Computer Science*, 819:95–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wu:1994:SMD**

- [1665] J. K. Wu, B. M. Mehtre, Y. J. Gao, and P. C. Lam. STAR — A multimedia database system for trademark registration. *Lecture Notes in Computer*

*Science*, 819:109–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Consens:1994:VQD**

- [1666] M. P. Consens, M. Z. Hasan, and A. O. Mendelzon. Visualizing and querying distributed event traces with Hy0+. *Lecture Notes in Computer Science*, 819:123–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arikawa:1994:DMC**

- [1667] M. Arikawa, H. Kawakita, and Y. Kambayashi. Dynamic maps as composite views of varied geographic database servers. *Lecture Notes in Computer Science*, 819:142–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kramer:1994:LDE**

- [1668] R. Kramer and H. Spandl. Limits database for an environmental information system — A fuzzy set-based querying approach. *Lecture Notes in Computer Science*, 819:158–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baralis:1994:IDS**

- [1669] E. Baralis, S. Ceri, S. Paraboschi, and G. Monteleone. An intelligent database system application: The design of EMS. *Lecture Notes in Computer Science*, 819:172–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chandra:1994:UNG**

- [1670] R. Chandra and A. Segev. Using next generation databases to develop finan-

cial applications. *Lecture Notes in Computer Science*, 819:190–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cochinwala:1994:MSF**

- [1671] M. Cochinwala, J. Bradley, R. Tanamy, and R. Subramanian. A multidatabase solution for a financial application. *Lecture Notes in Computer Science*, 819:204–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Orsborn:1994:ANG**

- [1672] K. Orsborn. Applying next generation object-oriented DBMS to finite element analysis. *Lecture Notes in Computer Science*, 819:215–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeSmedt:1994:PWA**

- [1673] P. De Smedt, J. Annevelink, T. Pham, and P. Strong. A physician’s workstation as an application of object-oriented database technology in health-care. *Lecture Notes in Computer Science*, 819:234–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Persin:1994:FDR**

- [1674] M. Persin, J. Zobel, and R. Sacks-Davis. Fast document ranking for large scale information retrieval. *Lecture Notes in Computer Science*, 819:253–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blake:1994:TRD**

- [1675] G. E. Blake, M. P. Consens, P. Kilpeläinen, and P.-A. Larson. Text/relational database management systems: Harmonizing SQL and SGML. *Lecture Notes in Computer Science*, 819:267–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thimm:1994:DBM**

- [1676] H. Thimm and T. C. Rakow. A DBMS-based multimedia archiving teleservice incorporating mail. *Lecture Notes in Computer Science*, 819:281–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carlis:1994:ZDB**

- [1677] J. Carlis, J. Riedl, A. Georgopoulos, and G. Wilcox. A zoomable DBMS for brain structure, function and behavior. *Lecture Notes in Computer Science*, 819:299–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kemp:1994:CCD**

- [1678] G. J. L. Kemp, Z. Jiao, P. M. D. Gray, and J. E. Fothergill. Combining computation with database access in biomolecular computing. *Lecture Notes in Computer Science*, 819:317–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakanishi:1994:OOD**

- [1679] M. Nakanishi, A. Hashimoto, and M. Ito. An object-oriented database of protein structure data. *Lecture*

*Notes in Computer Science*, 819:336–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Appelrath:1994:ADT**

- [1680] H.-J. Appelrath, H. Behrends, H. Jasper, and V. Kamp. Active database technology supports cancer clustering. *Lecture Notes in Computer Science*, 819:351–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Matthes:1994:GDI**

- [1681] F. Matthes, A. Rudloff, J. W. Schmidt, and K. Subieta. A gateway from DBPL to Ingres. *Lecture Notes in Computer Science*, 819:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Radeke:1994:FSR**

- [1682] E. Radeke and M. H. Scholl. Federation and stepwise reduction of database systems. *Lecture Notes in Computer Science*, 819:381–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aebi:1994:MTD**

- [1683] D. Aebi and R. Largo. Methods and tools for data value re-engineering. *Lecture Notes in Computer Science*, 819:400–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Durand:1994:OVB**

- [1684] J. Durand, M. Ganti, and R. Salinas. Object view broker: A mediation service and architecture to provide object-oriented views of hetero-

geneous databases. *Lecture Notes in Computer Science*, 819:415–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rastogi:1994:EPE**

- [1685] R. Rastogi and M.-A. Neimat. Enhancing pre-existing data managers with atomicity and durability. *Lecture Notes in Computer Science*, 819:429–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paradinas:1994:PPD**

- [1686] P. Paradinas and J.-J. Vandewalle. A personal and portabel database server: The CQL card. *Lecture Notes in Computer Science*, 819:444–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gallersdoerfer:1994:IND**

- [1687] R. Gallersdoerfer, M. Jarke, and K. Klabunde. Intelligent networks as a data intensive application (INDIA). *Lecture Notes in Computer Science*, 819:458–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pudlak:1994:UUB**

- [1688] P. Pudlak. Unexpected upper bounds on the complexity of some communication games. *Lecture Notes in Computer Science*, 820:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fernau:1994:VUL**

- [1689] H. Fernau and L. Staiger. Valuations and unambiguity of languages, with applications to fractal geometry. *Lecture*

*Notes in Computer Science*, 820:11–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Siegelmann:1994:CPP**

- [1690] H. T. Siegelmann. On the computational power of probabilistic and faulty neural networks. *Lecture Notes in Computer Science*, 820:23–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cerans:1994:DPI**

- [1691] K. Cerans. Deciding properties of integral relational automata. *Lecture Notes in Computer Science*, 820:35–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aumann:1994:CRT**

- [1692] Y. Aumann, J. Bar-Ilan, and U. Feige. On the cost of recomputing: Tight bounds on pebbling with faults. *Lecture Notes in Computer Science*, 820:47–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asarin:1994:SRB**

- [1693] E. Asarin and O. Maler. On some relations between dynamical systems and transition systems. *Lecture Notes in Computer Science*, 820:59–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Globerman:1994:CRM**

- [1694] N. Globerman and D. Harel. Complexity results for multi-pebble automata and their logics. *Lecture Notes in Computer Science*, 820:73–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kanellakis:1994:ACM**

- [1695] P. C. Kanellakis, G. G. Hillebrand, and H. G. Mairson. An analysis of the Core-ML language: Expressive power and type reconstruction. *Lecture Notes in Computer Science*, 820:83–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gyssens:1994:EES**

- [1696] M. Gyssens, J. Van den Bussche, and D. Van Gucht. Expressiveness of efficient semi-deterministic choice constructs. *Lecture Notes in Computer Science*, 820:106–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graedel:1994:TRC**

- [1697] E. Graedel and Y. Gurevich. Tailoring recursion for complexity. *Lecture Notes in Computer Science*, 820:118–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klarlund:1994:DAA**

- [1698] N. Klarlund, M. Mukund, and M. Sohoni. Determinizing asynchronous automata. *Lecture Notes in Computer Science*, 820:130–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muscholl:1994:CBA**

- [1699] A. Muscholl. On the complementation of buchi asynchronous cellular automata. *Lecture Notes in Computer Science*, 820:142–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corradini:1994:DLC**

- [1700] F. Corradini and R. De Nicola. Distribution and locality of concurrent systems. *Lecture Notes in Computer Science*, 820:154–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gawlick:1994:LTU**

- [1701] R. Gawlick, R. Segala, J. Soegaard-Andersen, and N. Lynch. Liveness in timed and untimed systems. *Lecture Notes in Computer Science*, 820:166–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sanchez-Couso:1994:ACA**

- [1702] J. R. Sanchez-Couso and M. I. Fernandez-Camacho. Average-case analysis of pattern-matching in trees under the BST probability model. *Lecture Notes in Computer Science*, 820:178–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jiang:1994:ASC**

- [1703] T. Jiang and M. Li. On the approximation of shortest common supersequences and longest common subsequences. *Lecture Notes in Computer Science*, 820:191–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hariharan:1994:OPA**

- [1704] R. Hariharan and S. Muthukrishnan. Optimal parallel algorithms for prefix matching. *Lecture Notes in Computer Science*, 820:203–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amir:1994:OTD**

- [1705] A. Amir, G. Benson, and M. Farach. Optimal two-dimensional compressed matching. *Lecture Notes in Computer Science*, 820:215–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Italiano:1994:MST**

- [1706] G. F. Italiano and R. Ramaswami. Maintaining spanning trees of small diameter. *Lecture Notes in Computer Science*, 820:227–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gil:1994:SFP**

- [1707] J. Gil and Y. Matias. Simple fast parallel hashing. *Lecture Notes in Computer Science*, 820:239–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Przytycka:1994:OAT**

- [1708] T. M. Przytycka and L. L. Larmore. The optimal alphabetic tree problem revisited. *Lecture Notes in Computer Science*, 820:251–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buhrman:1994:CER**

- [1709] H. Buhrman and L. Torenvliet. On the cutting edge of relativization: The resource bounded injury method. *Lecture Notes in Computer Science*, 820:263–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Birget:1994:PCC**

- [1710] J.-C. Birget, S. Margolis, J. Meakin, and P. Weil. PSPACE-completeness of certain algorithmic problems on the subgroups of free groups. *Lecture Notes in Computer Science*, 820:274–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hennessy:1994:HOP**

- [1711] M. Hennessy. Higher-order processes and their models. *Lecture Notes in Computer Science*, 820:286–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vergauwen:1994:ELC**

- [1712] B. Vergauwen and J. Lewi. Efficient local correctness checking for single and alternating Boolean equation systems. *Lecture Notes in Computer Science*, 820:304–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abdulla:1994:UVP**

- [1713] P. A. Abdulla and B. Jonsson. Undecidable verification problems for programs with unreliable channels. *Lecture Notes in Computer Science*, 820:316–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fix:1994:RAP**

- [1714] L. Fix and F. B. Schneider. Reasoning about programs by exploiting the environment. *Lecture Notes in Computer Science*, 820:328–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Braeuner:1994:MIA**

- [1715] T. Braeuner. A model of intuitionistic affine logic from stable domain theory. *Lecture Notes in Computer Science*, 820:340–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Plotkin:1994:BBL**

- [1716] G. Plotkin and G. Winskel. Bistructures, bidomains and linear logic. *Lecture Notes in Computer Science*, 820:352–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aziz:1994:EFK**

- [1717] A. Aziz, V. Singhal, F. Balarin, and R. K. Brayton. Equivalences for fair Kripke structures. *Lecture Notes in Computer Science*, 820:364–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanBreugel:1994:GFC**

- [1718] F. Van Breugel. Generalizing finiteness conditions of labelled transition systems. *Lecture Notes in Computer Science*, 820:376–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Droste:1994:KTR**

- [1719] M. Droste. A Kleene theorem for recognizable languages over concurrency monoids. *Lecture Notes in Computer Science*, 820:388–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seidl:1994:LSE**

- [1720] H. Seidl. Least solutions of equations over  $N$ . *Lecture Notes in Computer Science*, 820:400–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hotz:1994:FUA**

- [1721] G. Hotz and G. Pitsch. Fast uniform analysis of coupled-context-free languages. *Lecture Notes in Computer Science*, 820:412–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pin:1994:PCG**

- [1722] J.-E. Pin. Polynomial closure of group languages and open sets of the hall topology. *Lecture Notes in Computer Science*, 820:424–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Caron:1994:PCS**

- [1723] A.-C. Caron, H. Comon, J.-L. Coquide, and M. Dauchet. Pumping, cleaning and symbolic constraints solving. *Lecture Notes in Computer Science*, 820:436–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hintermeier:1994:DTC**

- [1724] C. Hintermeier, C. Kirchner, and H. Kirchner. Dynamically-typed computations for order-sorted equational presentations. *Lecture Notes in Computer Science*, 820:450–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DiCosmo:1994:CFO**

- [1725] R. Di Cosmo and D. Kesner. Combining first order algebraic rewriting systems, recursion and extensional lambda calculi. *Lecture Notes in Computer Science*, 820:462–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Upfal:1994:TIN**

- [1726] E. Upfal. On the theory of interconnection networks for parallel computers. *Lecture Notes in Computer Science*, 820:473–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garg:1994:MCD**

- [1727] N. Garg, V. V. Vazirani, and M. Yannakakis. Multiway cuts in directed and node weighted graphs. *Lecture Notes in Computer Science*, 820:487–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Feige:1994:FRL**

- [1728] U. Feige. A fast randomized LOGSPACE algorithm for graph connectivity. *Lecture Notes in Computer Science*, 820:499–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nikoletseas:1994:SVD**

- [1729] S. Nikoletseas, K. Palem, P. Spirakis, and M. Yung. Short vertex disjoint paths and multiconnectivity in random graphs: Reliable network computing. *Lecture Notes in Computer Science*, 820:508–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lagergren:1994:SI**

- [1730] J. Lagergren. The size of an intertwine. *Lecture Notes in Computer Science*, 820:520–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yuster:1994:FEC**

- [1731] R. Yuster and U. Zwick. Finding even cycles even faster. *Lecture Notes in Computer Science*, 820:532–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoeffting:1994:PTA**

- [1732] F. Hoeffting and E. Wanke. Polynomial time analysis of toroidal periodic graphs. *Lecture Notes in Computer Science*, 820:544–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonizzoni:1994:TLB**

- [1733] P. Bonizzoni. A tight lower bound for primitivity in  $k$ -structures. *Lecture Notes in Computer Science*, 820:556–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blundo:1994:RDP**

- [1734] C. Blundo, A. De Santis, and U. Vaccaro. Randomness in distribution protocols. *Lecture Notes in Computer Science*, 820:568–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Freivalds:1994:LSB**

- [1735] R. Freivalds and M. Karpinski. Lower space bounds for randomized computation. *Lecture Notes in Computer*

*Science*, 820:580–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jakoby:1994:ACC**

- [1736] A. Jakoby, R. Reischuk, C. Schindelhauer, and S. Weis. The average case complexity of the parallel prefix problem. *Lecture Notes in Computer Science*, 820:593–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Golin:1994:PCE**

- [1737] M. J. Golin and N. Young. Prefix codes: Equiprobable words, unequal letter costs. *Lecture Notes in Computer Science*, 820:605–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Plaxton:1994:SLL**

- [1738] C. G. Plaxton and T. Suel. A superlogarithmic lower bound for hypercubic sorting networks. *Lecture Notes in Computer Science*, 820:618–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mei:1994:ESR**

- [1739] A. Mei and Y. Igarashi. Efficient strategies for robot navigation in unknown environment. *Lecture Notes in Computer Science*, 820:630–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Steels:1994:BO**

- [1740] Luc Steels. Beyond objects. *Lecture Notes in Computer Science*, 821:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer->

ny.com/link/service/series/0558/bibs/0821/08210001.htm; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210001.pdf>.

**Huersch:1994:SSA**

- [1741] W. L. Huersch. Should superclasses be abstract? *Lecture Notes in Computer Science*, 821:12–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hursch:1994:SSA**

- [1742] Walter L. Hürsch. Should superclasses be abstract? *Lecture Notes in Computer Science*, 821:12–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210012.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210012.pdf>.

**Wieringa:1994:RDS**

- [1743] Roel Wieringa, Wiebren de Jonge, and Paul Spruit. Roles and dynamic subclasses: A modal logic approach. *Lecture Notes in Computer Science*, 821:32–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210032.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210032.pdf>.

**Lamping:1994:MA**

- [1744] John Lamping and Martin Abadi. Methods as assertions. *Lecture*

*Notes in Computer Science*, 821:60–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210060.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210060.pdf>.

**Lopes:1994:APF**

- [1745] Cristina Videira Lopes and Karl J. Lieberherr. Abstracting process-to-function relations in concurrent object-oriented applications. *Lecture Notes in Computer Science*, 821:81–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210081.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210081.pdf>.

**Vasconcelos:1994:TCO**

- [1746] Vasco T. Vasconcelos. Typed concurrent objects. *Lecture Notes in Computer Science*, 821:100–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210100.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210100.pdf>.

**Guerraoui:1994:AOC**

- [1747] Rachid Guerraoui. Atomic object composition. *Lecture Notes in Computer Science*, 821:118–??, 1994. CODEN LNCSD9. ISSN

- 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210118.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210118.pdf>.
- Beck:1994:PGA**
- [1748] Kent Beck and Ralph Johnson. Patterns generate architectures. *Lecture Notes in Computer Science*, 821:139–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210139.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210139.pdf>.
- Pree:1994:MPM**
- [1749] Wolfgang Pree. Meta patterns — A means for capturing the essentials of reusable object-oriented design. *Lecture Notes in Computer Science*, 821:150–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210150.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210150.pdf>.
- DePauw:1994:MOO**
- [1750] W. De Pauw, D. Kimelman, and J. Vlissides. Modeling object-oriented program execution. *Lecture Notes in Computer Science*, 821:163–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Pauw:1994:MOO**
- [1751] Wim De Pauw, Doug Kimelman, and John Vlissides. Modeling object-oriented program execution. *Lecture Notes in Computer Science*, 821:163–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210163.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210163.pdf>.
- Streitz:1994:POW**
- [1752] Norbert A. Streitz. Putting objects to work: Hypermedia as the subject matter and the medium for computer-supported cooperative work. *Lecture Notes in Computer Science*, 821:183–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210183.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210183.pdf>.
- Omicini:1994:OOC**
- [1753] Andrea Omicini and Antonio Natali. Object-oriented computations in logic programming. *Lecture Notes in Computer Science*, 821:194–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210194.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210194.pdf>.

**Bertino:1994:DOD**

- [1754] Elisa Bertino, Giovanna Guerrini, and Danilo Montesi. Deductive object databases. *Lecture Notes in Computer Science*, 821:213–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210213.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210213.pdf>.

**Alagic:1994:DOO**

- [1755] S. Alagic, R. Sunderraman, and R. Bagai. Declarative object-oriented programming: Inheritance, subtyping and prototyping. *Lecture Notes in Computer Science*, 821:236–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210236.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210236.pdf>.

**Lopez:1994:COI**

- [1756] Gus Lopez, Bjørn Freeman-Benson, and Alan Borning. Constraints and object identity. *Lecture Notes in Computer Science*, 821:260–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210260.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210260.pdf>.

**Hagimont:1994:PGO**

- [1757] Daniel Hagimont. Protection in the guide object-oriented distributed system. *Lecture Notes in Computer Science*, 821:280–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210280.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210280.pdf>.

**Okamura:1994:OLC**

- [1758] Hideaki Okamura and Yutaka Ishikawa. Object location control using meta-level programming. *Lecture Notes in Computer Science*, 821:299–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210299.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210299.pdf>.

**Attardi:1994:COA**

- [1759] Giuseppe Attardi and Tito Flagella. Customising object allocation. *Lecture Notes in Computer Science*, 821:320–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210320.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210320.pdf>.

**Moreira:1994:COO**

- [1760] Ana M. D. Moreira and Robert G. Clark. Combining object-oriented anal-

ysis and formal description techniques. *Lecture Notes in Computer Science*, 821:344–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210344.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210344.pdf>.

**Briggs:1994:SLO**

- [1761] Ted L. Briggs and John Werth. A specification language for object-oriented analysis and design. *Lecture Notes in Computer Science*, 821:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210365.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210365.pdf>.

**Aksit:1994:RTS**

- [1762] Mehmet Aksit, Jan Bosch, William van der Sterren, and Lodewijk Bergmans. Real-time specification inheritance anomalies and real-time filters. *Lecture Notes in Computer Science*, 821:386–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210386.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210386.pdf>.

**Chen:1994:EDL**

- [1763] Weimin Chen, Volker Turau, and Wolfgang Klas. Efficient dynamic look-up

strategy for multi-methods. *Lecture Notes in Computer Science*, 821:408–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210408.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210408.pdf>.

**Vitek:1994:TMP**

- [1764] Jan Vitek and R. Nigel Horspool. Taming message passing: Efficient method look-up for dynamically typed languages. *Lecture Notes in Computer Science*, 821:432–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210432.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210432.pdf>.

**Nayeri:1994:GDD**

- [1765] Farshad Nayeri, Ben Hurwitz, and Frank Manola. Generalizing dispatching in a distributed object system. *Lecture Notes in Computer Science*, 821:450–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210450.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210450.pdf>.

**Bruegge:1994:GEM**

- [1766] Bernd Bruegge and Erik Riedel. A geographic environmental mod-

- eling system: Towards an object-oriented framework. *Lecture Notes in Computer Science*, 821:474–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210474.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210474.pdf>. ■
- [1767] S. M. G. Freeman and M. S. Manasse. Adding digital video to an object-oriented user interface toolkit. *Lecture Notes in Computer Science*, 821:493–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210493.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210493.pdf>. ■
- [1768] Hannu Peltonen, Tomi Männistö, Kari Alho, and Reijo Sulonen. Product configurations — an application for prototype object approach. *Lecture Notes in Computer Science*, 821:513–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0821/08210513.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0821/08210513.pdf>. ■
- [1769] Anonymous. Author index. *Lecture Notes in Computer Science*, 821:535–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/0821/0821ind.pdf>. ■
- [1770] A. Felty and D. Howe. Generalization and reuse of tactic proofs. *Lecture Notes in Computer Science*, 822:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). ■
- [1771] F. Giunchiglia and P. Traverso. Program tactics and logic tactics. *Lecture Notes in Computer Science*, 822:16–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). ■
- [1772] P. De Groote. On the relation between the lambda-calculus and the syntactic theory of sequential control. *Lecture Notes in Computer Science*, 822:31–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). ■
- [1773] S. Tupailo. On a proof-theoretical analysis of 011-AC, 011-DC and cap delta011-CA. *Lecture Notes in Computer Science*, 822:44–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). ■
- [1774] R. Monroy, A. Bundy, and A. Ireland. Proof plans for the correction of false conjectures. *Lecture Notes in Computer Science*, 822:54–??, 1994. ■

**Felty:1994:GRT**

**Giunchiglia:1994:PTL**

**DeGroote:1994:RBL**

**Tupailo:1994:PTA**

**Monroy:1994:PPC**

**Freeman:1994:ADV**

**Peltonen:1994:PCA**

**Anonymous:1994:AIC**



CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Egly:1994:VA**

- [1775] U. Egly. On the value of antiprenexing. *Lecture Notes in Computer Science*, 822:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vandecasteele:1994:IFD**

- [1776] H. Vandecasteele and D. De Schreye. Implementing a finite-domain CLP-Language on top of Prolog: A transformational approach. *Lecture Notes in Computer Science*, 822:84–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Duggan:1994:LC**

- [1777] D. Duggan. Logical closures. *Lecture Notes in Computer Science*, 822:114–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goubault:1994:HOR**

- [1778] J. Goubault. Higher-order rigid E-unification. *Lecture Notes in Computer Science*, 822:129–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anderson:1994:PEL**

- [1779] P. Anderson. Program extraction in a logical framework setting. *Lecture Notes in Computer Science*, 822:144–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Despeyroux:1994:HOA**

- [1780] J. Despeyroux and A. Hirschowitz. Higher-order abstract syntax with induction in coq. *Lecture Notes in Computer Science*, 822:159–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bruening:1994:TEC**

- [1781] S. Bruening. Towards efficient calculi for resource-oriented deductive planning. *Lecture Notes in Computer Science*, 822:174–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Quaresma:1994:LPF**

- [1782] P. Quaresma and J. G. Lopes. A logic programming framework for the abductive inference of intentions in cooperative dialogues. *Lecture Notes in Computer Science*, 822:189–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Darlington:1994:CLP**

- [1783] J. Darlington and Y. Guo. Constraint logic programming in the sequent calculus. *Lecture Notes in Computer Science*, 822:200–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Avenhaus:1994:CRS**

- [1784] J. Avenhaus and C. Loria-Saenz. On conditional rewrite systems with extra variables and deterministic logic programs. *Lecture Notes in Computer Science*, 822:215–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papp:1994:BRW**

- [1785] C. Papp. A bottom-up reconstruction of the well-founded semantics for disjunctive logic programs. *Lecture Notes in Computer Science*, 822:230–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seipel:1994:ECE**

- [1786] D. Seipel. An efficient computation of the extended generalized closed world assumption by support-for-negation sets. *Lecture Notes in Computer Science*, 822:245–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Smith:1994:MSR**

- [1787] D. A. Smith and T. J. Hickey. Multi-*SLD* resolution. *Lecture Notes in Computer Science*, 822:260–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beckert:1994:AL**

- [1788] B. Beckert, R. Haehnle, A. Ramesh, and N. V. Murray. On anti-links. *Lecture Notes in Computer Science*, 822:275–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lu:1994:GDD**

- [1789] L. Lu. A generic declarative diagnoser for normal logic programs. *Lecture Notes in Computer Science*, 822:290–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Codish:1994:GDV**

- [1790] M. Codish, M. Garcia de la Banda, M. Bruynooghe, and M. Hermenegildo. Goal dependent vs. goal independent analysis of logic programs. *Lecture Notes in Computer Science*, 822:305–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mathieu:1994:KAP**

- [1791] P. Mathieu and J. P. Delahaye. A kind of achievement by parts method. *Lecture Notes in Computer Science*, 822:320–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Duan:1994:PTL**

- [1792] Z. Duan, M. Koutny, and C. Holt. Projection in temporal logic programming. *Lecture Notes in Computer Science*, 822:333–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pollacia:1994:OFM**

- [1793] L. F. Pollacia and L. M. L. Delcambre. The object flow model: A formal framework for describing the dynamic construction, destruction and interaction of complex objects. *Lecture Notes in Computer Science*, 823:1–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dijkstra:1994:COV**

- [1794] J. Dijkstra. On complex objects and versioning in complex environments. *Lecture Notes in Computer Science*, 823:13–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Morsi:1994:ASP**

- [1795] M. M. A. Morsi and S. B. Navathe. Application and system prototyping via an extensible object-oriented environment. *Lecture Notes in Computer Science*, 823:24–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Peters:1994:RUB**

- [1796] R. J. Peters and M. Tamer Oezsu. Reflection in a uniform behavioral object model. *Lecture Notes in Computer Science*, 823:34–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Behm:1994:RCD**

- [1797] J. B. Behm and T. J. Teorey. Relative constraints in ER data models. *Lecture Notes in Computer Science*, 823:46–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Winter:1994:DID**

- [1798] R. Winter. Design and implementation of derived entities. *Lecture Notes in Computer Science*, 823:60–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rauh:1994:SCS**

- [1799] O. Rauh and E. Stickel. Searching for compositions in ER schemes. *Lecture Notes in Computer Science*, 823:74–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zamperoni:1994:EQC**

- [1800] A. Zamperoni and P. Loehr-Richter. Enhancing the quality of conceptual

database specifications through validation. *Lecture Notes in Computer Science*, 823:85–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wijsen:1994:FDG**

- [1801] J. Wijsen, J. Vandenbulcke, and H. Olivie. Functional dependencies generalized for temporal databases that include object-identity. *Lecture Notes in Computer Science*, 823:99–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goralwalla:1994:TEU**

- [1802] I. A. Goralwalla and M. Tamer Oezsu. Temporal extensions to a uniform behavioral object model. *Lecture Notes in Computer Science*, 823:110–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rose:1994:TTO**

- [1803] E. Rose and A. Segev. TOOSQL — A temporal object-oriented query language. *Lecture Notes in Computer Science*, 823:122–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roddick:1994:TSV**

- [1804] J. F. Roddick, N. G. Craske, and T. J. Richards. A taxonomy for schema versioning based on the relational and entity relationship models. *Lecture Notes in Computer Science*, 823:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yen:1994:NCQ**

- [1805] S.-J. Yen and A. L. P. Chen. Neighborhood/conceptual query answering with imprecise/incomplete data. *Lecture Notes in Computer Science*, 823:149–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pernul:1994:ERM**

- [1806] G. Pernul, W. Winiwarter, and A. Min Tjoa. The entity-relationship model for multilevel security. *Lecture Notes in Computer Science*, 823:166–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garzotto:1994:HEA**

- [1807] F. Garzotto, L. Mainetti, and P. Paolini. HDM2: Extending the ER approach to hypermedia application design. *Lecture Notes in Computer Science*, 823:178–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Metais:1994:DSD**

- [1808] E. Metais, J.-N. Meunier, and G. Levreau. Database schema design: A perspective from natural language techniques to validation and view integration. *Lecture Notes in Computer Science*, 823:190–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**MinTjoa:1994:TRS**

- [1809] A. Min Tjoa and L. Berger. Transformation of requirement specifications expressed in natural language into an EER model. *Lecture Notes in Computer Science*, 823:206–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Storey:1994:CRF**

- [1810] V. C. Storey, R. C. Goldstein, R. H. L. Chiang, and D. Dey. A commonsense reasoning facility based on the entity-relationship model. *Lecture Notes in Computer Science*, 823:218–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Falkenberg:1994:DDE**

- [1811] E. D. Falkenberg. DETERM: Deterministic event-tuned entity-relationship modeling. *Lecture Notes in Computer Science*, 823:230–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Laender:1994:SCM**

- [1812] A. H. F. Laender and D. J. Flynn. A semantic comparison of the modeling capabilities of the ER and NIAM models. *Lecture Notes in Computer Science*, 823:242–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VazVelho:1994:ERM**

- [1813] A. Vaz Velho and R. Carapuca. From entity-relationship models to role-attribute models. *Lecture Notes in Computer Science*, 823:257–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johannesson:1994:UCG**

- [1814] P. Johannesson. Using conceptual graph theory to support schema integration. *Lecture Notes in Computer Science*, 823:283–??, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koh:1994:IHO**

- [1815] J.-L. Koh and A. L. P. Chen. Integration of heterogeneous object schemas. *Lecture Notes in Computer Science*, 823:297–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Steele:1994:RMM**

- [1816] P. M. Steele and A. B. Zaslavsky. The role of meta models in federating system modeling techniques. *Lecture Notes in Computer Science*, 823:315–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Santucci:1994:MSI**

- [1817] G. Santucci, C. Batini, and G. Di Battista. Multilevel schema integration. *Lecture Notes in Computer Science*, 823:327–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Castano:1994:ROOa**

- [1818] S. Castano, V. De Antonellis, and P. San Pietro. Reuse of object-oriented requirement specifications. *Lecture Notes in Computer Science*, 823:339–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chiang:1994:PER**

- [1819] R. H. L. Chiang, T. M. Barron, and V. C. Storey. Performance evaluation of reverse engineering relational databases into extended entity-relationship models. *Lecture Notes in*

*Computer Science*, 823:352–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hainaut:1994:TBD**

- [1820] J.-L. Hainaut, C. Tonneau, M. Joris, and M. Chandelon. Transformation-based database reverse engineering. *Lecture Notes in Computer Science*, 823:364–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gogolla:1994:IAO**

- [1821] M. Gogolla, R. Herzig, S. Conrad, and G. Denker. Integrating the ER approach in an OO environment. *Lecture Notes in Computer Science*, 823:376–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Norrie:1994:EER**

- [1822] M. C. Norrie. An extended entity-relationship approach to data management in object-oriented systems. *Lecture Notes in Computer Science*, 823:390–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Narasimhan:1994:MRM**

- [1823] B. Narasimhan, S. B. Navathe, and S. Jayaraman. On mapping ER and relational models into OO schemas. *Lecture Notes in Computer Science*, 823:402–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hurley:1994:RMM**

- [1824] W. D. Hurley. A repository meta model for interactive systems. *Lecture*

*Notes in Computer Science*, 823:414–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rosengren:1994:BIR**

- [1825] P. Rosengren, U. Wingstedt, M. Bern, and P. Kool. ER-Based information retrieval in a mixed database environment. *Lecture Notes in Computer Science*, 823:426–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Akoka:1994:FAC**

- [1826] J. Akoka and I. Comyn-Wattiau. A framework for automatic clustering of semantic models. *Lecture Notes in Computer Science*, 823:438–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jaeschke:1994:EMC**

- [1827] P. Jaeschke, A. Oberweis, and W. Stucky. Extending ER model clustering by relationship clustering. *Lecture Notes in Computer Science*, 823:451–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeCastro:1994:SIM**

- [1828] C. De Castro, F. Grandi, and M. R. Scalas. Semantic interoperability of multitemporal relational databases. *Lecture Notes in Computer Science*, 823:463–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kim:1994:MTA**

- [1829] S.-K. Kim and S. Chakravarthy. Modeling time: Adequacy of three distinct

time concepts for temporal databases. *Lecture Notes in Computer Science*, 823:475–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chudziak:1994:TUL**

- [1830] J. A. Chudziak, H. Rybinsky, and J. Vorbach. Towards a unifying logic formalism for semantic data models. *Lecture Notes in Computer Science*, 823:492–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fong:1994:KBA**

- [1831] J. Fong and M. Ho. Knowledge-based approach for abstracting hierarchical and network schema semantics. *Lecture Notes in Computer Science*, 823:508–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Castilho:1994:SSA**

- [1832] J. M. Castilho. A state-space approach for database redesign. *Lecture Notes in Computer Science*, 823:520–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agarwal:1994:CDO**

- [1833] P. K. Agarwal, M. J. Katz, and M. Sharir. Computing depth orders and related problems. *Lecture Notes in Computer Science*, 824:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agarwal:1994:SMM**

- [1834] P. K. Agarwal and S. Sen. Selection in monotone matrices and computing k0t0h nearest neighbors. *Lecture Notes*

in *Computer Science*, 824:13–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Albers:1994:NLA**

- [1835] S. Albers and H. Koga. New on-line algorithms for the page replication problem. *Lecture Notes in Computer Science*, 824:25–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ausiello:1994:SRL**

- [1836] G. Ausiello, E. Feuerstein, S. Leonardi, and L. Stougie. Serving requests with on-line routing. *Lecture Notes in Computer Science*, 824:37–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Becker:1994:NAC**

- [1837] P. Becker. A new algorithm for the construction of optimal B-trees. *Lecture Notes in Computer Science*, 824:49–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeBerg:1994:NRB**

- [1838] M. De Berg, M. De Groot, and M. Overmars. New results on binary space partitions in the plane. *Lecture Notes in Computer Science*, 824:61–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berman:1994:NOP**

- [1839] P. Berman and A. Lingas. A nearly optimal parallel algorithm for the Voronoi diagram of a convex polygon. *Lecture Notes in Computer Science*, 824:73–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Biedl:1994:TPG**

- [1840] T. Biedl, G. Kant, and M. Kaufmann. On triangulating planar graphs under the four-connectivity constraint. *Lecture Notes in Computer Science*, 824:83–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Czumaj:1994:PSA**

- [1841] A. Czumaj, L. Gasieniec, M. Piotrow, and W. Rytter. Parallel and sequential approximation of shortest superstrings. *Lecture Notes in Computer Science*, 824:95–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Czyzowicz:1994:STP**

- [1842] J. Czyzowicz, H. Everett, and J.-M. Robert. Separating translates in the plane: Combinatorial bounds and an algorithm. *Lecture Notes in Computer Science*, 824:107–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Das:1994:FAW**

- [1843] G. Das, P. J. Heffernan, and G. Narasimhan. Finding all weakly-visible chords of a polygon in linear time. *Lecture Notes in Computer Science*, 824:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dietz:1994:TLB**

- [1844] P. F. Dietz, J. I. Seiferas, and J. Zhang. A tight lower bound for on-line monotonic list labeling. *Lecture Notes in Computer Science*, 824:131–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Felsner:1994:TGG**

- [1845] S. Felsner, R. Mueller, and L. Wernisch. Trapezoid graphs and generalizations, geometry and algorithms. *Lecture Notes in Computer Science*, 824:143–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fernandez-Baca:1994:OPS**

- [1846] D. Fernandez-Baca and G. Slutzki. Optimal parametric search on graphs of bounded tree-width. *Lecture Notes in Computer Science*, 824:155–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fredman:1994:LBD**

- [1847] M. L. Fredman. Lower bounds for dynamic algorithms. *Lecture Notes in Computer Science*, 824:167–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gupta:1994:SPA**

- [1848] A. Gupta and N. Nishimura. Sequential and parallel algorithms for embedding problems on classes of partial  $k$ -trees. *Lecture Notes in Computer Science*, 824:172–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gupta:1994:ISP**

- [1849] P. Gupta, R. Janardan, and M. Smid. On intersection searching problems involving curved objects. *Lecture Notes in Computer Science*, 824:183–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Halldorsson:1994:IAI**

- [1850] M. M. Halldorsson and J. Radhakrishnan. Improved approximations of independent sets in bounded-degree graphs. *Lecture Notes in Computer Science*, 824:195–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Higham:1994:AOE**

- [1851] L. Higham and T. Przytycka. Asymptotically optimal election on weighted rings. *Lecture Notes in Computer Science*, 824:207–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hromkovic:1994:OAB**

- [1852] J. Hromkovic, R. Klasing, W. Unger, and H. Wagener. Optimal algorithms for broadcast and gossip in the edge-disjoint path modes. *Lecture Notes in Computer Science*, 824:219–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haastad:1994:RRH**

- [1853] J. Haastad. Recent results in hardness of approximation. *Lecture Notes in Computer Science*, 824:231–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Juurlink:1994:PHM**

- [1854] B. H. H. Juurlink and H. A. G. Wjshoff. The parallel hierarchical memory model. *Lecture Notes in Computer Science*, 824:240–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Mulmuley:1994:RGA**

- [1855] K. Mulmuley. Randomized geometric algorithms. *Lecture Notes in Computer Science*, 824:252–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Palios:1994:CMN**

- [1856] L. Palios. Connecting the maximum number of grid nodes to the boundary with non-intersecting line segments. *Lecture Notes in Computer Science*, 824:255–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papatriantafilou:1994:SSW**

- [1857] M. Papatriantafilou and P. Tsigas. On self-stabilizing wait-free clock synchronization. *Lecture Notes in Computer Science*, 824:267–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Peinado:1994:HGR**

- [1858] M. Peinado. Hard graphs for randomized subgraph exclusion algorithms. *Lecture Notes in Computer Science*, 824:278–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Phillips:1994:TSN**

- [1859] C. Phillips, C. Stein, and J. Wein. Task scheduling in networks. *Lecture Notes in Computer Science*, 824:290–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schenk:1994:PDL**

- [1860] E. Schenk. Parallel dynamic lowest common ancestors. *Lecture Notes in Computer Science*, 824:302–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schuiierer:1994:ACK**

- [1861] S. Schuiierer. An  $O(\log \log n)$  algorithm to compute the kernel of a polygon. *Lecture Notes in Computer Science*, 824:314–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schuiierer:1994:CLD**

- [1862] S. Schuiierer. Computing the L1-diameter and center of a simple rectilinear polygon in parallel. *Lecture Notes in Computer Science*, 824:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sibeyn:1994:ELL**

- [1863] J. F. Sibeyn and T. Harris. Exploiting locality in LT-RAM computations. *Lecture Notes in Computer Science*, 824:338–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thorup:1994:EPS**

- [1864] M. Thorup. Efficient preprocessing of simple binary pattern forests. *Lecture Notes in Computer Science*, 824:350–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhou:1994:PAE**

- [1865] X. Zhou, S.-I. Nakano, and T. Nishizeki. A parallel algorithm for edge-coloring partial  $k$ -trees. *Lecture Notes in Computer Science*, 824:359–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dragan:1994:DCD**

- [1866] F. F. Dragan. Dominating cliques in distance-hereditary graphs. *Lecture Notes in Computer Science*, 824:370–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Faugeras:1994:CMF**

- [1867] O. Faugeras. Cartan’s moving frame method and its application to the geometry and evolution of curves in the euclidean, affine and projective planes. *Lecture Notes in Computer Science*, 825:11–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barrett:1994:RTD**

- [1868] E. Barrett, G. Gheen, and P. Payton. Representation of three-dimensional object structure as cross-ratios of determinants of stereo image points. *Lecture Notes in Computer Science*, 825:47–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zisserman:1994:CAE**

- [1869] A. Zisserman and S. J. Maybank. A case against epipolar geometry. *Lecture Notes in Computer Science*, 825:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mundy:1994:RSI**

- [1870] J. L. Mundy and A. Zisserman. Repeated structures: Image correspondence constraints and 3D structure recovery. *Lecture Notes in Computer Science*, 825:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gros:1994:HUC**

- [1871] P. Gros. How to use the cross ratio to compute projective invariants from two images. *Lecture Notes in Computer Science*, 825:107–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shashua:1994:GAA**

- [1872] A. Shashua. On geometric and algebraic aspects of 3D affine and projective structures from perspective 2D views. *Lecture Notes in Computer Science*, 825:127–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carlsson:1994:DAE**

- [1873] S. Carlsson. The double algebra: An effective tool for computing invariants in computer vision. *Lecture Notes in Computer Science*, 825:145–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanGool:1994:MPV**

- [1874] L. Van Gool, T. Moons, M. Van Diest, and E. Pauwels. Matching perspective views of parallel plane structures. *Lecture Notes in Computer Science*, 825:165–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weiss:1994:IRS**

- [1875] I. Weiss. Invariants for recovering shape from shading. *Lecture Notes in Computer Science*, 825:185–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Astroem:1994:FDP**

- [1876] K. Astroem. Fundamental difficulties with projective normalization of planar curves. *Lecture Notes in Computer Science*, 825:199–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Verri:1994:ISF**

- [1877] A. Verri and C. Uras. Invariant size functions. *Lecture Notes in Computer Science*, 825:215–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hartley:1994:ERU**

- [1878] R. I. Hartley. Euclidean reconstruction from uncalibrated views. *Lecture Notes in Computer Science*, 825:237–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mohr:1994:APR**

- [1879] R. Mohr, B. Boufama, and P. Brand. Accurate projective reconstruction. *Lecture Notes in Computer Science*, 825:257–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papadopoulo:1994:AMF**

- [1880] T. Papadopoulo and O. Faugeras. Applications of motion field of curves. *Lecture Notes in Computer Science*, 825:

277–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moons:1994:ARP**

- [1881] T. Moons, L. Van Gool, M. Van Diest, and E. Pauwels. Affine reconstruction from perspective image pairs obtained by a translating camera. *Lecture Notes in Computer Science*, 825:297–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zerroug:1994:UIQ**

- [1882] M. Zerroug and R. Nevatia. Using invariance and quasi-invariance for the segmentation and recovery of curved objects. *Lecture Notes in Computer Science*, 825:317–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Forsyth:1994:ROI**

- [1883] D. Forsyth and C. Rothwell. Representations of 3D objects that incorporate surface markings. *Lecture Notes in Computer Science*, 825:341–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weinshall:1994:MBI**

- [1884] D. Weinshall. Model-based invariant functions and their use for recognition. *Lecture Notes in Computer Science*, 825:359–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mao:1994:IMF**

- [1885] J. Mao, A. K. Jain, and P. J. Flynn. Integration of multiple feature groups and multiple views into a 3D object

recognition system. *Lecture Notes in Computer Science*, 825:381-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rothwell:1994:HOD**

- [1886] C. A. Rothwell. Hierarchical object description using invariants. *Lecture Notes in Computer Science*, 825:397-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jacobs:1994:GID**

- [1887] D. W. Jacobs. Generalizing invariants for 3-D to 2-D matching. *Lecture Notes in Computer Science*, 825:415-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Basri:1994:RCM**

- [1888] R. Basri. Recognition by combinations of model views: Alignment and invariance. *Lecture Notes in Computer Science*, 825:435-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maybank:1994:CBC**

- [1889] S. J. Maybank. Classification based on the cross ratio. *Lecture Notes in Computer Science*, 825:453-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meer:1994:CCF**

- [1890] P. Meer, S. Ramakrishna, and R. Lenz. Correspondence of coplanar features through P02-Invariant representations. *Lecture Notes in Computer Science*, 825:473-??, 1994. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keren:1994:IAC**

- [1891] D. Keren, J. Subrahmonia, and D. B. Cooper. Integrating algebraic curves and surfaces, algebraic invariants and Bayesian methods for 2D and 3D object recognition. *Lecture Notes in Computer Science*, 825:493-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barker:1994:MOS**

- [1892] R. Barker. Managing open systems now that the "glasshouse" has gone. *Lecture Notes in Computer Science*, 826:1-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gray:1994:KRT**

- [1893] P. M. D. Gray. Knowledge reuse through networks of large KBS. *Lecture Notes in Computer Science*, 826:13-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schwiderski:1994:ETB**

- [1894] S. Schwiderski and G. Saake. Expressing temporal behaviour with extended ECA rules. *Lecture Notes in Computer Science*, 826:23-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Soukeras:1994:TDE**

- [1895] S. Soukeras and P. J. H. King. Temporal databases: an event-oriented approach. *Lecture Notes in Computer Science*, 826:38-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chan:1994:OCQ**

- [1896] D. K. C. Chan and P. W. Trinder. Object comprehensions: a query notation for object-oriented databases. *Lecture Notes in Computer Science*, 826:55–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alagic:1994:ETL**

- [1897] S. Alagic and R. Sunderraman. Expressivity of typed logic paradigms for object-oriented databases. *Lecture Notes in Computer Science*, 826:73–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bagai:1994:ACW**

- [1898] R. Bagai and R. Sunderraman. Algebraic computation of the weak well-founded model for general deductive databases. *Lecture Notes in Computer Science*, 826:90–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jelly:1994:BPS**

- [1899] I. Jelly, J. Kerridge, and C. Bates. Benchmarking parallel SQL database machines. *Lecture Notes in Computer Science*, 826:105–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Burger:1994:BTT**

- [1900] A. Burger and P. Thanisch. Branching transactions: a transaction model for parallel databases. *Lecture Notes in Computer Science*, 826:121–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McCarroll:1994:SSI**

- [1901] N. McCarroll and J. Kerridge. A strategy for semantic integrity enforcement in a parallel database machine. *Lecture Notes in Computer Science*, 826:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paton:1994:IOO**

- [1902] N. W. Paton, G. Al-Qaimari, and K. Doan. On interface objects in object-oriented databases. *Lecture Notes in Computer Science*, 826:153–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kemp:1994:EAF**

- [1903] G. J. L. Kemp, J. J. Iriarte, and P. M. D. Gray. Efficient access to FDM objects stored in a relational database. *Lecture Notes in Computer Science*, 826:170–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barclay:1994:CLQ**

- [1904] P. J. Barclay and J. B. Kennedy. A conceptual language for querying object-oriented data. *Lecture Notes in Computer Science*, 826:187–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Murphy:1994:JSP**

- [1905] J. P. Murphy and J. B. Grimson. The Jupiter system: a prototype for multi-database inter-operability. *Lecture Notes in Computer Science*, 826:205–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jeffery:1994:MHD**

- [1906] K. G. Jeffery, L. Hutchinson, J. Kalmus, and M. Wilson. A model for heterogeneous distributed database systems. *Lecture Notes in Computer Science*, 826:221–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Soerensen:1994:CTS**

- [1907] M. U. Soerensen, O. E. Hansen, and H. H. Loevengreen. Combining temporal specification techniques. *Lecture Notes in Computer Science*, 827:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Katz:1994:GEP**

- [1908] S. Katz. Global equivalence proofs for ISTL. *Lecture Notes in Computer Science*, 827:17–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baeten:1994:RTP**

- [1909] J. C. M. Baeten, J. A. Bergstra, and R. N. Bol. A real time process logic. *Lecture Notes in Computer Science*, 827:30–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fiadeiro:1994:STS**

- [1910] J. L. Fiadeiro and T. Maibaum. Sometimes “tomorrow” is “sometime” — action refinement in a temporal logic of objects. *Lecture Notes in Computer Science*, 827:48–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonner:1994:ATL**

- [1911] A. J. Bonner and M. Kifer. Applications of transaction logic to knowledge representation. *Lecture Notes in Computer Science*, 827:67–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Doherty:1994:CFFa**

- [1912] P. Doherty and W. Lukaszewicz. Circumscribing features and fluents. *Lecture Notes in Computer Science*, 827:82–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Badaloni:1994:DTG**

- [1913] S. Badaloni and M. Berati. Dealing with time granularity in a temporal planning system. *Lecture Notes in Computer Science*, 827:101–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reynolds:1994:AUI**

- [1914] M. Reynolds. Axiomatizing U and S over integer time. *Lecture Notes in Computer Science*, 827:117–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goranko:1994:TLR**

- [1915] V. Goranko. Temporal logic with reference pointers. *Lecture Notes in Computer Science*, 827:133–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Venema:1994:CTF**

- [1916] Y. Venema. Completeness through flatness in two-dimensional temporal logic. *Lecture Notes in Computer*

*Science*, 827:149–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vergauwen:1994:ECN**

- [1917] B. Vergauwen, J. Lewi, I. Avau, and A. Pote. Efficient computation of nested fix-points, with applications to model checking. *Lecture Notes in Computer Science*, 827:165–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grumberg:1994:HLC**

- [1918] O. Grumberg and R. P. Kurshan. How linear can branching-time be? *Lecture Notes in Computer Science*, 827:180–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kutty:1994:FOF**

- [1919] G. Kutty, L. E. Moser, P. M. Melliar-Smith, and L. K. Dillon. First-order future interval logic. *Lecture Notes in Computer Science*, 827:195–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bernholtz:1994:BOG**

- [1920] O. Bernholtz and O. Grumberg. Buy one, get one free !!! *Lecture Notes in Computer Science*, 827:210–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blackburn:1994:BFT**

- [1921] P. Blackburn, C. Gardent, and M. De Rijke. Back and forth through time and events. *Lecture Notes in Computer Science*, 827:225–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hwang:1994:ITA**

- [1922] C. H. Hwang and L. K. Schubert. Interpreting tense, aspect and time adverbials: A compositional, unified approach. *Lecture Notes in Computer Science*, 827:238–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DiMaio:1994:SHP**

- [1923] M. C. Di Maio and A. Zanardo. Synchronized histories in Prior-Thomason representation of branching time. *Lecture Notes in Computer Science*, 827:265–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boehlen:1994:CTD**

- [1924] M. Boehlen and R. Marti. On the completeness of temporal database query languages. *Lecture Notes in Computer Science*, 827:283–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanBellegem:1994:AEC**

- [1925] K. Van Belleghem, M. Denecker, and D. De Schreye. The abductive event calculus as a general framework for temporal databases. *Lecture Notes in Computer Science*, 827:301–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wooldridge:1994:DPT**

- [1926] M. Wooldridge and M. Fisher. A decision procedure for a temporal belief logic. *Lecture Notes in Computer Science*, 827:317–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Xu:1994:DDS**

- [1927] M. Xu. Decidability of deliberative stit theories with multiple agents. *Lecture Notes in Computer Science*, 827:332–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ribeiro:1994:ATR**

- [1928] C. Ribeiro and A. Porto. Abduction in temporal reasoning. *Lecture Notes in Computer Science*, 827:349–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Felder:1994:TLA**

- [1929] M. Felder and A. Morzenti. A temporal logic approach to implementation and refinement in timed Petri nets. *Lecture Notes in Computer Science*, 827:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mokkedem:1994:SCT**

- [1930] A. Mokkedem and D. Mery. A stuttering closed temporal logic for modular reasoning about concurrent programs. *Lecture Notes in Computer Science*, 827:382–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kwiatkowska:1994:HPO**

- [1931] M. Kwiatkowska, D. Peled, and W. Penczek. A hierarchy of partial order temporal properties. *Lecture Notes in Computer Science*, 827:398–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dixon:1994:GBA**

- [1932] C. Dixon, M. Fisher, and H. Barringer. A graph-based approach to resolution in temporal logic. *Lecture Notes in Computer Science*, 827:415–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McGuire:1994:ABD**

- [1933] H. McGuire, Z. Manna, and R. Waldinger. Annotation-based deduction in temporal logic. *Lecture Notes in Computer Science*, 827:430–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Orgun:1994:OTM**

- [1934] M. A. Orgun and W. Ma. An overview of temporal and modal logic programming. *Lecture Notes in Computer Science*, 827:445–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fisher:1994:SCM**

- [1935] M. Fisher. A survey of concurrent METATEM — the language and its applications. *Lecture Notes in Computer Science*, 827:480–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chomicki:1994:TQL**

- [1936] J. Chomicki. Temporal query languages. *Lecture Notes in Computer Science*, 827:506–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haehnle:1994:ITL**

- [1937] R. Haehnle and O. Ibens. Improving temporal logic tableaux using in-



teger constraints. *Lecture Notes in Computer Science*, 827:535–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Melliar-Smith:1994:SAD**

- [1938] P. M. Melliar-Smith, L. E. Moser, Y. S. Ramakrishna, and G. Kutty. A system for automated deduction in graphical interval logic. *Lecture Notes in Computer Science*, 827:540–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bertossi:1994:SRS**

- [1939] L. E. Bertossi and J. C. Ferretti. SCDBR: A reasoner for specification in the situation calculus of database updates. *Lecture Notes in Computer Science*, 827:543–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paulson:1994:IGT**

- [1940] L. C. Paulson. Isabelle: A generic theorem prover. *Lecture Notes in Computer Science*, 828:xvii + 321, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Artamonov:1994:AAK**

- [1941] V. A. Artamonov, A. A. Klyachko, V. M. Sidelnikov, and V. V. Yashchenko. Algebraic aspects of key generation systems. *Lecture Notes in Computer Science*, 829:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alabbadi:1994:SDS**

- [1942] M. Alabbadi and S. B. Wicker. Susceptibility of digital signature schemes

based on error-correcting codes to universal forgery. *Lecture Notes in Computer Science*, 829:6–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gabidulin:1994:HAS**

- [1943] E. M. Gabidulin and O. Kjelsen. How to avoid the Sidel'nikov-Shestakov attack. *Lecture Notes in Computer Science*, 829:25–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blakley:1994:LAA**

- [1944] G. R. Blakley and G. A. Kabatian-skii. Linear algebra approach to secret sharing schemes. *Lecture Notes in Computer Science*, 829:33–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Helleseth:1994:GGB**

- [1945] T. Helleseth, T. Kloeve, and O. Yirehus. Generalizations of the Griesmer bound. *Lecture Notes in Computer Science*, 829:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gabidulin:1994:CCT**

- [1946] E. M. Gabidulin and V. V. Zanin. Codes that correct two-dimensional burst errors. *Lecture Notes in Computer Science*, 829:53–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boyarinov:1994:SCD**

- [1947] I. M. Boyarinov. Self-checking decoding algorithm for Reed-Solomon codes. *Lecture Notes in Computer Science*, 829:63–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zyablov:1994:PUM**

- [1948] V. V. Zyablov and A. E. Ashikhmin. Partial unit memory codes on the base of subcodes of Hadamard codes. *Lecture Notes in Computer Science*, 829:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zyablov:1994:PPU**

- [1949] V. Zyablov and V. Sidorenko. On periodic (partial) unit memory codes with maximum free distance. *Lecture Notes in Computer Science*, 829:74–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dettmar:1994:CCC**

- [1950] U. Dettmar, U. K. Sorger, and V. V. Zyablov. Concatenated codes with convolutional inner and outer codes. *Lecture Notes in Computer Science*, 829:80–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Taubin:1994:RSD**

- [1951] F. A. Taubin. Reduced-state decoding for trellis coded modulation on nonlinear intersymbol interference channels. *Lecture Notes in Computer Science*, 829:88–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asnis:1994:TCD**

- [1952] I. L. Asnis, S. V. Fedorenko, E. A. Krouk, and E. T. Mironchikov. Tables of coverings for decoding by S-sets. *Lecture Notes in Computer*

*Science*, 829:97–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sidorenko:1994:POD**

- [1953] V. Sidorenko. Periodicity of one-dimensional tilings. *Lecture Notes in Computer Science*, 829:103–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bocharova:1994:FIR**

- [1954] I. E. Bocharova and B. D. Kudryashov. Fast infinite response filtering for speech processing. *Lecture Notes in Computer Science*, 829:109–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bocharova:1994:TCL**

- [1955] I. E. Bocharova, V. D. Kolesnik, V. Yu Krachkovsky, and B. D. Kudryashov. On trellis codes for linear predictive speech compression. *Lecture Notes in Computer Science*, 829:115–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Drogoul:1994:MAS**

- [1956] A. Drogoul and J. Ferber. Multi-agent simulation as a tool for modeling societies: Application to social differentiation in ant colonies. *Lecture Notes in Computer Science*, 830:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kearney:1994:EMA**

- [1957] P. J. Kearney. Experiments in multi-agent system dynamics. *Lecture Notes in Computer Science*, 830:24–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cecconi:1994:SAE**

- [1958] F. Cecconi, D. Denaro, D. Parisi, and U. Piazzalunga. Social aggregations in evolving neural networks. *Lecture Notes in Computer Science*, 830:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bates:1994:AAE**

- [1959] J. Bates, A. B. Loyall, and W. S. Reilly. An architecture for action, emotion, and social behavior. *Lecture Notes in Computer Science*, 830:55–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lomborg:1994:GTV**

- [1960] B. Lomborg. Game theory versus multiple agents: The iterated prisoner's dilemma. *Lecture Notes in Computer Science*, 830:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marsh:1994:TDA**

- [1961] S. Marsh. Trust in distributed artificial intelligence. *Lecture Notes in Computer Science*, 830:94–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zlotkin:1994:NII**

- [1962] G. Zlotkin and J. S. Rosenschein. Negotiation with incomplete information about worth: Strict versus tolerant mechanisms. *Lecture Notes in Computer Science*, 830:115–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kuwabara:1994:EAD**

- [1963] K. Kuwabara and T. Ishida. Equibratory approach to distributed resource allocation: Toward coordinated balancing. *Lecture Notes in Computer Science*, 830:133–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**CastroCaldas:1994:SIO**

- [1964] J. Castro Caldas and H. Coelho. Strategic interaction in oligopolistic markets — experimenting with real and artificial agents. *Lecture Notes in Computer Science*, 830:147–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stirling:1994:MAC**

- [1965] W. Stirling. Multi-agent coordinated decision-making using epistemic utility theory. *Lecture Notes in Computer Science*, 830:164–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Castelfranchi:1994:MSB**

- [1966] C. Castelfranchi and E. Werner. The MAAMAW spirit and this book. *Lecture Notes in Computer Science*, 830:vii–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Habib:1994:BVE**

- [1967] M. Habib and L. Nourine. Bit-vector encoding for partially ordered sets. *Lecture Notes in Computer Science*, 831:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bogart:1994:IOW**

- [1968] K. P. Bogart. Intervals and orders: What comes after interval orders? *Lecture Notes in Computer Science*, 831:13–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Spinrad:1994:DA**

- [1969] J. Spinrad. Dimension and algorithms. *Lecture Notes in Computer Science*, 831:33–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hashemi:1994:UDF**

- [1970] S. M. Hashemi and I. Rival. Upward drawings to fit surfaces. *Lecture Notes in Computer Science*, 831:53–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Simon:1994:CTO**

- [1971] K. Simon and P. Trunz. A cleanup on transitive orientation. *Lecture Notes in Computer Science*, 831:59–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cattel:1994:CGV**

- [1972] K. Cattel and M. J. Dinneen. A characterization of graphs with vertex cover up to five. *Lecture Notes in Computer Science*, 831:86–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gustedt:1994:THP**

- [1973] J. Gustedt and A. Steger. Testing hereditary properties efficiently on average. *Lecture Notes in Computer Science*, 831:100–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Franciosa:1994:OSF**

- [1974] P. G. Franciosa and M. Talamo. Orders,  $k$ -sets and fast halfplane search on paged memory. *Lecture Notes in Computer Science*, 831:117–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:TGT**

- [1975] Y.-L. Lin. Triangle graphs and their coloring. *Lecture Notes in Computer Science*, 831:128–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Capelle:1994:ROU**

- [1976] C. Capelle. Representation of an order as union of interval orders. *Lecture Notes in Computer Science*, 831:143–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mitas:1994:MRS**

- [1977] J. Mitas. Minimal representation of semiorders with intervals of same length. *Lecture Notes in Computer Science*, 831:162–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Talamo:1994:FLB**

- [1978] M. Talamo and P. Vocca. Fast lattice browsing on sparse representations. *Lecture Notes in Computer Science*, 831:186–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aiken:1994:CSC**

- [1979] A. Aiken, D. Kozen, M. Vardi, and E. Wimmers. The complexity of set constraints. *Lecture Notes in Computer Science*, 832:1–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ambler:1994:DMC**

- [1980] S. Ambler, M. Kiviatkowska, and N. Measor. On duality for the modal-calculus. *Lecture Notes in Computer Science*, 832:18–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baaz:1994:SPT**

- [1981] M. Baaz and R. Zach. Short proofs of tautologies using the schema of equivalence. *Lecture Notes in Computer Science*, 832:33–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bergstra:1994:PAC**

- [1982] J. A. Bergstra, I. Bethke, and A. Ponse. Process algebra with combinators. *Lecture Notes in Computer Science*, 832:36–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blass:1994:GSN**

- [1983] A. Blass. Is game semantics necessary? *Lecture Notes in Computer Science*, 832:66–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Compton:1994:MTC**

- [1984] K. J. Compton and R. Uceda-Sosa. The model theory of concurrency. *Lecture*

*Notes in Computer Science*, 832:78–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coquand:1994:SRM**

- [1985] C. Coquand. From semantics to rules: a machine assisted analysis. *Lecture Notes in Computer Science*, 832:91–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goerdt:1994:RAS**

- [1986] A. Goerdt and U. Kamps. On the reasons for average superlinear speedup in parallel backtrack search. *Lecture Notes in Computer Science*, 832:106–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gomolko:1994:NIP**

- [1987] A. Gomolko. Negation as inconsistency in PROLOG via intuitionistic logic. *Lecture Notes in Computer Science*, 832:128–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graedel:1994:AMP**

- [1988] E. Graedel and A. Malmstroem. Approximable minimisation problems and optimal solutions on random inputs. *Lecture Notes in Computer Science*, 832:139–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grohe:1994:BAH**

- [1989] M. Grohe. Bounded-arity hierarchies in fixed-point logics. *Lecture Notes in Computer Science*, 832:150–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hirshfeld:1994:PNE**

- [1990] Y. Hirshfeld. Petri nets and the equivalence problem. *Lecture Notes in Computer Science*, 832:165–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kozen:1994:LAS**

- [1991] D. Kozen. Logical aspects of set constraints. *Lecture Notes in Computer Science*, 832:175–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Makowsky:1994:OQ**

- [1992] J. A. Makowsky and Y. B. Pnueli. Oracles and quantifiers. *Lecture Notes in Computer Science*, 832:189–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marcinkowski:1994:HCI**

- [1993] J. Marcinkowski. A Horn clause that implies an undecidable set of Horn clauses. *Lecture Notes in Computer Science*, 832:223–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Milner:1994:HOA**

- [1994] R. Milner. Higher-order action calculi. *Lecture Notes in Computer Science*, 832:238–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ong:1994:GSN**

- [1995] C.-H. L. Ong and E. Ritter. A generic strong normalisation argument: Application to the calculus of constructions. *Lecture Notes in Computer Science*, 832:261–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Raffalli:1994:DTI**

- [1996] C. Raffalli. Data types, infinity and equality in system AF2. *Lecture Notes in Computer Science*, 832:280–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ritter:1994:NTL**

- [1997] E. Ritter. Normalisation for typed lambda calculi with explicit substitution. *Lecture Notes in Computer Science*, 832:295–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sieg:1994:PTP**

- [1998] W. Sieg and S. S. Wainer. Program transformation and proof transformation. *Lecture Notes in Computer Science*, 832:305–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stewart:1994:IGQ**

- [1999] I. A. Stewart. Incorporating generalised quantifiers and the least fixed point operator. *Lecture Notes in Computer Science*, 832:318–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gurevich:1994:ESC**

- [2000] Y. Gurevich and J. K. Huggins. Errata to “the semantics of the C programming language”. *Lecture Notes in Computer Science*, 832:334–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dubois:1994:BIF**

- [2001] D. Dubois and H. Prade. Basic issues on fuzzy rules and their application to fuzzy control. *Lecture Notes in Computer Science*, 833:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mukaidono:1994:AST**

- [2002] M. Mukaidono. Algebraic structures of truth values in fuzzy logic. *Lecture Notes in Computer Science*, 833:15–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baldwin:1994:TMA**

- [2003] J. F. Baldwin. A theory of mass assignments for artificial intelligence. *Lecture Notes in Computer Science*, 833:22–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pedrycz:1994:FDS**

- [2004] W. Pedrycz. Fuzzy dynamic systems. *Lecture Notes in Computer Science*, 833:37–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dubois:1994:HUC**

- [2005] D. Dubois, J. Lang, and H. Prade. Handling uncertainty, context, vague predicates, and partial inconsistency in possibilistic logic. *Lecture Notes in Computer Science*, 833:45–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graham:1994:AFM**

- [2006] B. Graham and R. Newell. An adaptive fuzzy model-based controller. *Lecture Notes in Computer Science*, 833:56–??,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Franklin:1994:FRN**

- [2007] J. Franklin. Fuzzy representations in neural nets. *Lecture Notes in Computer Science*, 833:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Narazaki:1994:MIQ**

- [2008] H. Narazaki and A. L. Ralescu. A method to implement qualitative knowledge in multi-layered neural networks. *Lecture Notes in Computer Science*, 833:82–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wakami:1994:FCN**

- [2009] N. Wakami. Fuzzy control and neural networks: Applications for consumer products. *Lecture Notes in Computer Science*, 833:99–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yokogawa:1994:CBR**

- [2010] T. Yokogawa, T. Sakurai, A. Nukuzuma, and T. Takagi. Case-based reasoning for action planning by representing situations at the abstract layers. *Lecture Notes in Computer Science*, 833:109–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Venkatesh:1994:UFL**

- [2011] S. Venkatesh and D. Kieronska. A unified formalism for landmark-based representation of maps and navigation plans. *Lecture Notes in Computer Science*, 833:123–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yen:1994:UFL**

- [2012] J. Yen and N. Pfluger. Using fuzzy logic in a mobile robot path controller. *Lecture Notes in Computer Science*, 833:133–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hirota:1994:FFL**

- [2013] K. Hirota. Fundamentals of fuzzy logical circuits. *Lecture Notes in Computer Science*, 833:145–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wu:1994:PES**

- [2014] W.-T. Wu. Polynomial equations-solving and its applications. *Lecture Notes in Computer Science*, 834:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graham:1994:QRC**

- [2015] R. L. Graham. Quasi-random combinatorial structures. *Lecture Notes in Computer Science*, 834:10–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klein:1994:HAV**

- [2016] R. Klein and A. Lingas. Hamiltonian abstract Voronoi diagrams in linear time. *Lecture Notes in Computer Science*, 834:11–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bose:1994:ESD**

- [2017] P. Bose, M. E. Houle, and G. Tous-saint. Every set of disjoint line seg-

ments admits a binary tree. *Lecture Notes in Computer Science*, 834:20–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Iwano:1994:TCP**

- [2018] K. Iwano, P. Raghavan, and H. Tamaki. The traveling cameraman problem, with applications to automatic optical inspection. *Lecture Notes in Computer Science*, 834:29–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Akutsu:1994:DCP**

- [2019] T. Akutsu. On determining the congruity of point sets in higher dimensions. *Lecture Notes in Computer Science*, 834:38–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Book:1994:RHS**

- [2020] R. V. Book and O. Watanabe. On random hard sets for NP. *Lecture Notes in Computer Science*, 834:47–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hemaspaandra:1994:CSU**

- [2021] L. A. Hemaspaandra, A. V. Naik, M. Ogihara, and A. L. Selman. Computing solutions uniquely collapses the polynomial hierarchy. *Lecture Notes in Computer Science*, 834:56–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Santha:1994:VDP**

- [2022] M. Santha and S. Tan. Verifying the determinant in parallel. *Lecture Notes in Computer Science*, 834:65–??, 1994.



CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:HAG**

- [2023] C.-L. Lin. Hardness of approximating graph transformation problem. *Lecture Notes in Computer Science*, 834:74–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Panconesi:1994:RWF**

- [2024] A. Panconesi, M. Papatriantafyllou, P. Tsigas, and P. Vitanyi. Randomized wait-free naming. *Lecture Notes in Computer Science*, 834:83–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rajasekaran:1994:UTN**

- [2025] S. Rajasekaran, W. Chen, and S. Yooseph. Unifying themes for network selection. *Lecture Notes in Computer Science*, 834:92–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Molcho:1994:RAA**

- [2026] M. Molcho and S. Zaks. Robust asynchronous algorithms in networks with a fault detection ring. *Lecture Notes in Computer Science*, 834:101–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jennings:1994:DAF**

- [2027] E. Jennings and L. Motyckova. Distributed algorithms for finding small cycle covers in arbitrary networks. *Lecture Notes in Computer Science*, 834:110–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1994:NNM**

- [2028] X.-S. Zhang and H.-C. Zhu. A neural network model for quadratic programming with simple upper and lower bounds and its application to linear programming. *Lecture Notes in Computer Science*, 834:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhu:1994:ACT**

- [2029] D. Zhu, S. Ma, and H. Qiu. Analysis of the convergency of topology preserving neural networks on learning. *Lecture Notes in Computer Science*, 834:128–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arvind:1994:HIP**

- [2030] V. Arvind, J. Koebler, and R. Schuler. On helping and interactive proof systems. *Lecture Notes in Computer Science*, 834:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gu:1994:ATC**

- [2031] J. Gu and Q.-P. Gu. Average time complexity of the SAT 1.2 algorithm. *Lecture Notes in Computer Science*, 834:146–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:ACP**

- [2032] J. Chen. Average cost to produce partial orders. *Lecture Notes in Computer Science*, 834:155–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:TNL**

- [2033] D. Li and S. Ma. Two notes on low-density subset sum algorithms. *Lecture Notes in Computer Science*, 834:164–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cai:1994:RDT**

- [2034] J.-Y. Cai and M. D. Hirsch. Rotation distance, triangulations of planar surfaces and hyperbolic geometry. *Lecture Notes in Computer Science*, 834:172–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:FRS**

- [2035] Y. Chen and T. R. Smith. Finitely representable spatial objects and efficient computation. *Lecture Notes in Computer Science*, 834:181–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nagamochi:1994:CAS**

- [2036] H. Nagamochi, K. Nishimura, and T. Ibaraki. Computing all small cuts in undirected networks. *Lecture Notes in Computer Science*, 834:190–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhou:1994:ECC**

- [2037] X. Zhou and T. Nishizeki. Edge-coloring and  $f$ -coloring for various classes of graphs. *Lecture Notes in Computer Science*, 834:199–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gopalakrishnan:1994:EDP**

- [2038] C. P. Gopalakrishnan and C. P. Rangan. Edge-disjoint paths in permutation graphs. *Lecture Notes in Computer Science*, 834:208–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Taoka:1994:MAE**

- [2039] S. Taoka and T. Watanabe. Minimum augmentation to  $k$ -edge-connect specified vertices of a graph. *Lecture Notes in Computer Science*, 834:217–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Srivastav:1994:ACH**

- [2040] A. Srivastav and P. Stangier. Algorithmic Chernoff–Hoeffding inequalities in integer programming. *Lecture Notes in Computer Science*, 834:226–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Takaoka:1994:APM**

- [2041] T. Takaoka. Approximate pattern matching with samples. *Lecture Notes in Computer Science*, 834:234–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:EOA**

- [2042] X. Lin and M. E. Orlowska. An efficient optimal algorithm for minimizing the overall communication cost in replicated data management. *Lecture Notes in Computer Science*, 834:243–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gu:1994:MSN**

- [2043] J. Gu. Multispace search: A new optimization approach. *Lecture Notes in Computer Science*, 834:252–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arikati:1994:RDS**

- [2044] S. Arikati and A. Maheshwari. Realizing degree sequences in parallel. *Lecture Notes in Computer Science*, 834:261–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kavvadias:1994:ESP**

- [2045] D. Kavvadias, G. E. Pantziou, P. G. Spirakis, and C. D. Zaroliagis. Efficient sequential and parallel algorithms for the negative cycle problem. *Lecture Notes in Computer Science*, 834:270–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:FEO**

- [2046] D. Z. Chen and X. Hu. Fast and efficient operations on parallel priority queues. *Lecture Notes in Computer Science*, 834:279–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carlsson:1994:HB**

- [2047] S. Carlsson, J. Chen, and C. Mattsson. Heaps with bits. *Lecture Notes in Computer Science*, 834:288–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VonzurGathen:1994:CPC**

- [2048] J. Von zur Gathen and I. Shparlinski. Components and projections of curves over finite fields. *Lecture Notes in Computer Science*, 834:297–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Middendorf:1994:AFV**

- [2049] M. Middendorf. On the approximation of finding various minimal, maximal, and consistent sequences. *Lecture Notes in Computer Science*, 834:306–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakanishi:1994:LTA**

- [2050] M. Nakanishi, M. Hasidume, M. Ito, and A. Hashimoto. A linear-time algorithm for computing characteristic strings. *Lecture Notes in Computer Science*, 834:315–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Makino:1994:MLI**

- [2051] K. Makino and T. Ibaraki. The maximum latency and identification of positive Boolean functions. *Lecture Notes in Computer Science*, 834:324–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaufmann:1994:FDH**

- [2052] M. Kaufmann, H. Lauer, and H. Schroeder. Fast deterministic hot-potato routing on processor arrays. *Lecture Notes in Computer Science*, 834:333–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gu:1994:PCF**

- [2053] Q.-P. Gu and S. Peng.  $k$ -pairwise cluster fault tolerant routing in hypercubes. *Lecture Notes in Computer Science*, 834:342–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaufmann:1994:SMT**

- [2054] M. Kaufmann, S. Gao, and K. Thulasiraman. On Steiner minimal trees in grid graphs and its application to VLSI routing. *Lecture Notes in Computer Science*, 834:351–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shen:1994:ORP**

- [2055] X. Shen, Q. Hu, H. Dai, and X. Wang. Optimal routing of permutations on rings. *Lecture Notes in Computer Science*, 834:360–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ambos-Spies:1994:RBR**

- [2056] K. Ambos-Spies, S. A. Terwijn, and X. Zheng. Resource bounded randomness and weakly complete problems. *Lecture Notes in Computer Science*, 834:369–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krishnan:1994:DOA**

- [2057] S. C. Krishnan, A. Puri, and R. K. Brayton. Deterministic omega automata vis-a-vis deterministic Buchi automata. *Lecture Notes in Computer Science*, 834:378–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mihara:1994:QCN**

- [2058] T. Mihara and T. Nishino. Quantum computation and NP-Complete problems. *Lecture Notes in Computer Science*, 834:387–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fortnow:1994:SOW**

- [2059] L. Fortnow and J. Rogers. Separability and one-way functions. *Lecture Notes in Computer Science*, 834:396–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Akutsu:1994:ALC**

- [2060] T. Akutsu and M. M. Halldorsson. On the approximation of largest common subtrees and largest common point sets. *Lecture Notes in Computer Science*, 834:405–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jiang:1994:ASS**

- [2061] T. Jiang and L. Wang. An approximation scheme for some Steiner tree problems in the plane. *Lecture Notes in Computer Science*, 834:414–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yang:1994:CDA**

- [2062] B.-T. Yang, Y.-F. Xu, and Z.-Y. You. A chain decomposition algorithm for the proof of a property on minimum weight triangulations. *Lecture Notes in Computer Science*, 834:423–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ding:1994:GAQ**

- [2063] J. Ding. The generating algorithm for quasi-full Steiner trees. *Lecture Notes in Computer Science*, 834:428–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**ChiKwongHui:1994:ADC**

- [2064] L. Chi Kwong Hui and C. U. Martel. Analysing deletions in competitive self-adjusting linear list algorithms. *Lecture Notes in Computer Science*, 834:433–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abuaiadh:1994:FHO**

- [2065] D. Abuaiadh and J. H. Kingston. Are Fibonacci heaps optimal? *Lecture Notes in Computer Science*, 834:442–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kao:1994:SEG**

- [2066] M.-Y. Kao and S.-H. Teng. Simple and efficient graph compression schemes for dense and complement graphs. *Lecture Notes in Computer Science*, 834:451–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Subramanian:1994:IAC**

- [2067] C. R. Subramanian. Improved algorithms for coloring random graphs. *Lecture Notes in Computer Science*, 834:460–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ibarra:1994:PCS**

- [2068] O. H. Ibarra and N. Q. Tran. On the parallel complexity of solving recurrence equations. *Lecture Notes in Computer Science*, 834:469–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Iwamoto:1994:EGC**

- [2069] C. Iwamoto and K. Iwama. Extended graph connectivity and its gradually increasing parallel complexity. *Lecture Notes in Computer Science*, 834:478–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Metaxas:1994:PDB**

- [2070] P. T. Metaxas, G. E. Pantziou, and A. Symvonis. Parallel  $h$ - $v$  drawings of binary trees. *Lecture Notes in Computer Science*, 834:487–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hsieh:1994:EPS**

- [2071] S.-Y. Hsieh and C.-W. Ho. An efficient parallel strategy for recognizing series-parallel graphs. *Lecture Notes in Computer Science*, 834:496–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tokuyama:1994:OQS**

- [2072] T. Tokuyama. Orthogonal queries in segments and triangles. *Lecture Notes in Computer Science*, 834:505–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhu:1994:FCG**

- [2073] B. Zhu. Further computational geometry in secondary memory. *Lecture Notes in Computer Science*, 834:514–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tan:1994:SSR**

- [2074] X. Tan and T. Hirata. Shortest safari routes in simple polygon. *Lecture Notes in Computer Science*, 834:523–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chin:1994:GTP**

- [2075] F. Y. Chin and Cao An Wang. On greedy tetrahedralization of points in 3D. *Lecture Notes in Computer Science*, 834:532–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fujiyoshi:1994:TPB**

- [2076] K. Fujiyoshi, Y. Kajitani, and H. Niitsu. The totally-perfect bipartite graph and its construction. *Lecture Notes in Computer Science*, 834:541–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsai:1994:BCC**

- [2077] K.-H. Tsai and D. T. Lee.  $k$ -best cuts for circular-arc graphs. *Lecture Notes in Computer Science*, 834:550–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:RCA**

- [2078] L. Chen. Revisiting circular arc graphs. *Lecture Notes in Computer Science*, 834:559–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rangan:1994:WII**

- [2079] C. P. Rangan and M.-S. Chang. Weighted irredundance of interval graphs. *Lecture Notes in Computer Science*, 834:567–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tani:1994:ROO**

- [2080] S. Tani and H. Imai. A reordering operation for an ordered binary decision diagram and an extended framework for combinatorics of graphs. *Lecture Notes in Computer Science*, 834:575–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hosaka:1994:SOB**

- [2081] K. Hosaka, Y. Takenaga, and S. Yajima. On the size of ordered binary decision diagrams representing threshold functions. *Lecture Notes in Computer Science*, 834:584–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:NLS**

- [2082] H.-Z. Li and G.-Y. Li. Nonuniform lowness and strong nonuniform lowness. *Lecture Notes in Computer Science*, 834:593–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Biehl:1994:DES**

- [2083] I. Biehl. Definition and existence of super complexity cores. *Lecture Notes in Computer Science*, 834:600–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Young:1994:EAA**

- [2084] G. H. Young and C.-L. Chan. Efficient algorithms for assigning chain-like tasks on a chain-like network computer. *Lecture Notes in Computer Science*, 834:607–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lau:1994:MSS**

- [2085] Hoong Chuin Lau. Manpower scheduling with shift change constraints. *Lecture Notes in Computer Science*, 834:616–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Xu:1994:FAT**

- [2086] Y. Xu and H. N. Gabow. Fast algorithms for transversal matroid intersection problems. *Lecture Notes in Computer Science*, 834:625–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Deng:1994:CHA**

- [2087] X. Deng. A convex hull algorithm on coarse-grained multiprocessors. *Lecture Notes in Computer Science*, 834:634–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1994:MMN**

- [2088] D.-L. Lee and K. E. Batchner. A multi-way merging network. *Lecture Notes in Computer Science*, 834:643–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asano:1994:RCI**

- [2089] T. Asano. Reporting and counting intersections of lines within a polygon. *Lecture Notes in Computer Science*, 834:652–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Havas:1994:NPS**

- [2090] G. Havas and Jin Xian Lian. A new problem in string searching. *Lecture Notes in Computer Science*, 834:660–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sun:1994:ASC**

- [2091] S. Sun, D. H. C. Du, and G. Xue. Achieving the shortest clock period by inserting the minimum amount of delay. *Lecture Notes in Computer Science*, 834:669–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bao:1994:RAF**

- [2092] F. Bao and Y. Igarashi. A randomized algorithm to finite automata public key cryptosystem. *Lecture Notes in Computer Science*, 834:678–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hayes:1994:APV**

- [2093] P. Hayes. Aristotelian and platonic views of knowledge representation. *Lecture Notes in Computer Science*, 835:1-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Way:1994:CGP**

- [2094] E. C. Way. Conceptual graphs — past, present, and future. *Lecture Notes in Computer Science*, 835:11-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Willems:1994:PSC**

- [2095] M. Willems. Pragmatic semantics by conceptual graphs. *Lecture Notes in Computer Science*, 835:31-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moulin:1994:TSD**

- [2096] B. Moulin and S. Dumas. The temporal structure of a discourse and verb tense determination. *Lecture Notes in Computer Science*, 835:45-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Myaeng:1994:LPT**

- [2097] S. H. Myaeng, C. Khoo, and M. Li. Linguistic processing of text for a large-scale conceptual information retrieval system. *Lecture Notes in Computer Science*, 835:69-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rassinoux:1994:MAM**

- [2098] A.-M. Rassinoux, R. H. Baud, and J.-R. Scherrer. A multilingual anal-

yser of medical texts. *Lecture Notes in Computer Science*, 835:84-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sykes:1994:EEI**

- [2099] J. T. Sykes, V. Konstantinou, and P. L. R. Morse. Extracting explicit and implicit knowledge from natural language texts. *Lecture Notes in Computer Science*, 835:97-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mann:1994:RGS**

- [2100] G. A. Mann. A rational goal-seeking agent using conceptual graphs. *Lecture Notes in Computer Science*, 835:113-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tepfenhart:1994:AKP**

- [2101] W. M. Tepfenhart. Attitudes: Keys to problem identification. *Lecture Notes in Computer Science*, 835:127-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wermelinger:1994:BCS**

- [2102] M. Wermelinger and J. G. Lopes. Basic conceptual structures theory. *Lecture Notes in Computer Science*, 835:144-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mineau:1994:VMF**

- [2103] G. W. Mineau. Views, mappings and functions: Essential definitions to the conceptual graph theory. *Lecture*



*Notes in Computer Science*, 835:160–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Esch:1994:CCA**

- [2104] J. Esch. Contexts and concepts, abstraction duals. *Lecture Notes in Computer Science*, 835:175–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Esch:1994:CCC**

- [2105] J. Esch. Contexts, canons and coreferent types. *Lecture Notes in Computer Science*, 835:185–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dick:1994:UCR**

- [2106] J. P. Dick. Using contexts to represent text. *Lecture Notes in Computer Science*, 835:196–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ghosh:1994:ISC**

- [2107] B. C. Ghosh and V. Wuwongse. Inference systems for conceptual graph programs. *Lecture Notes in Computer Science*, 835:214–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Levinson:1994:UUD**

- [2108] R. Levinson. USD: A universal data structure. *Lecture Notes in Computer Science*, 835:230–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kabbaj:1994:CCO**

- [2109] A. Kabbaj, C. Frasson, M. Kaltenbach, and J.-Y. Djamen. A conceptual and contextual object-oriented logic programming: The PROLOG++ language. *Lecture Notes in Computer Science*, 835:251–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cyre:1994:KVC**

- [2110] W. R. Cyre, S. Balanchandar, and A. Thakar. Knowledge visualization from conceptual structures. *Lecture Notes in Computer Science*, 835:275–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ellis:1994:EIO**

- [2111] G. Ellis and F. Lehmann. Exploiting the induced order on type-labeled graphs for fast knowledge retrieval. *Lecture Notes in Computer Science*, 835:293–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carbonneill:1994:SIR**

- [2112] B. Carbonneill and O. Haemmerle. Standardizing and interfacing relational databases using conceptual graphs. *Lecture Notes in Computer Science*, 835:311–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Girard:1994:GI**

- [2113] J.-Y. Girard. Geometry of interaction. *Lecture Notes in Computer Science*, 836:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Uselton:1994:CSS**

- [2114] A. C. Uselton and S. A. Smolka. A compositional semantics for statecharts using labeled transition systems. *Lecture Notes in Computer Science*, 836:2–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kiehn:1994:DNI**

- [2115] A. Kiehn and M. Hennessy. On the decidability of non-interleaving process equivalences. *Lecture Notes in Computer Science*, 836:18–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mauw:1994:RBS**

- [2116] S. Mauw and H. Mulder. Regularity of BPA-systems is decidable. *Lecture Notes in Computer Science*, 836:34–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hirshfeld:1994:FAD**

- [2117] Y. Hirshfeld and F. Moller. A fast algorithm for deciding bisimilarity of normed context-free processes. *Lecture Notes in Computer Science*, 836:48–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fernandez:1994:TMB**

- [2118] J. C. Fernandez, J. Sifakis, and R. De Simone. Tutorial: Model-based verification methods and tools. *Lecture Notes in Computer Science*, 836:64–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Girkar:1994:NRA**

- [2119] M. Girkar and R. Moll. New results on the analysis of concurrent sys-

tems with an indefinite number of processes. *Lecture Notes in Computer Science*, 836:65–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouajjani:1994:VNT**

- [2120] A. Bouajjani, R. Echahed, and R. Robbana. Verification of nonregular temporal properties for context-free processes. *Lecture Notes in Computer Science*, 836:81–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Burkart:1994:PPP**

- [2121] O. Burkart and B. Steffen. Push-down processes: Parallel composition and model checking. *Lecture Notes in Computer Science*, 836:98–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hungar:1994:LMC**

- [2122] H. Hungar. Local model checking for parallel compositions of context-free processes. *Lecture Notes in Computer Science*, 836:114–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Panangaden:1994:ILL**

- [2123] P. Panangaden. Invited lecture: The logical structure of concurrent constraint programming languages. *Lecture Notes in Computer Science*, 836:129–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DiGianantonio:1994:CND**

- [2124] P. Di Gianantonio, F. Honsell, S. Liani, and G. D. Plotkin. Countable non-

determinism and uncountable limits. *Lecture Notes in Computer Science*, 836:130–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cockett:1994:SC**

- [2125] J. R. B. Cockett and D. A. Spooner. SProc categorically. *Lecture Notes in Computer Science*, 836:146–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Courcoubetis:1994:TTG**

- [2126] C. Courcoubetis. Tutorial: From timed graphs to hybrid automata. *Lecture Notes in Computer Science*, 836:160–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dill:1994:HMS**

- [2127] D. Dill. Hierarchical models of synchronous circuits. *Lecture Notes in Computer Science*, 836:161–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alur:1994:OPC**

- [2128] R. Alur, C. Courcoubetis, and T. A. Henzinger. The observational power of clocks. *Lecture Notes in Computer Science*, 836:162–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gunawardena:1994:DAT**

- [2129] J. Gunawardena. A dynamic approach to timed behaviour. *Lecture Notes in Computer Science*, 836:178–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Winkowski:1994:APT**

- [2130] J. Winkowski. Algebras of processes of timed Petri nets. *Lecture Notes in Computer Science*, 836:194–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koutny:1994:OSP**

- [2131] M. Koutny, J. Esparza, and E. Best. Operational semantics for the Petri box calculus. *Lecture Notes in Computer Science*, 836:210–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rensink:1994:WSC**

- [2132] A. Rensink and H. Wehrheim. Weak sequential composition in process algebras. *Lecture Notes in Computer Science*, 836:226–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kanellakis:1994:EPV**

- [2133] P. C. Kanellakis, D. Michailidis, and A. A. Shvartsman. Efficient parallelism vs. reliable distribution: A trade-off for concurrent computations. *Lecture Notes in Computer Science*, 836:242–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Xu:1994:UAC**

- [2134] Q. Xu, A. Cau, and P. Gollette. On unifying assumption-commitment style proof rules for concurrency. *Lecture Notes in Computer Science*, 836:267–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- Skakkeboek:1994:LFD**
- [2135] J. U. Skakkeboek. Liveness and fairness in duration calculus. *Lecture Notes in Computer Science*, 836:283–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Boreale:1994:SSC**
- [2136] M. Boreale and R. De Nicola. A symbolic semantics for the  $\pi$ -calculus. *Lecture Notes in Computer Science*, 836:299–314, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Walker:1994:BC**
- [2137] D. Walker. On bisimulation in the  $\pi$ -calculus. *Lecture Notes in Computer Science*, 836:315–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Liu:1994:CBC**
- [2138] X. Liu. Characterizing bisimulation congruence in the  $\pi$ -calculus. *Lecture Notes in Computer Science*, 836:331–350, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Klarlund:1994:LVI**
- [2139] N. Klarlund. The limit view of infinite computations. *Lecture Notes in Computer Science*, 836:351–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Back:1994:TRA**
- [2140] R. J. R. Back and J. Von Wright. Trace refinement of action systems. *Lecture Notes in Computer Science*, 836:367–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Nielsen:1994:BMC**
- [2141] M. Nielsen and C. Clausen. Bisimulation for models in concurrency. *Lecture Notes in Computer Science*, 836:385–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Bezem:1994:IPA**
- [2142] M. Bezem and J. F. Groote. Invariants in process algebra with data. *Lecture Notes in Computer Science*, 836:401–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Cleaveland:1994:TBA**
- [2143] R. Cleaveland and J. Riely. Testing-based abstractions for value-passing systems. *Lecture Notes in Computer Science*, 836:417–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Verhoef:1994:CTS**
- [2144] C. Verhoef. A congruence theorem for structured operational semantics with predicates and negative premises. *Lecture Notes in Computer Science*, 836:433–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Aceto:1994:DCI**
- [2145] L. Aceto. Deriving complete inference systems for a class of GSOS languages generating regular behaviours. *Lecture Notes in Computer Science*, 836:449–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

0302-9743 (print), 1611-3349 (electronic).

**Baeten:1994:PAP**

- [2146] J. C. M. Baeten and J. A. Bergstra. Process algebra with partial choice. *Lecture Notes in Computer Science*, 836:465–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Segala:1994:PSP**

- [2147] R. Segala and N. Lynch. Probabilistic simulations for probabilistic processes. *Lecture Notes in Computer Science*, 836:481–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yuen:1994:FAC**

- [2148] S. Yuen, R. Cleaveland, Z. Dayar, and S. A. Smolka. Fully abstract characterizations of testing preorders for probabilistic processes. *Lecture Notes in Computer Science*, 836:497–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wu:1994:CBP**

- [2149] S.-H. Wu, S. A. Smolka, and E. W. Stark. Composition and behaviors of probabilistic I/O automata. *Lecture Notes in Computer Science*, 836:513–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kolodner:1994:UCC**

- [2150] J. L. Kolodner. Understanding creativity: A case-based approach. *Lecture Notes in Computer Science*, 837:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keane:1994:AAC**

- [2151] M. T. Keane. Analogical asides on case-based reasoning. *Lecture Notes in Computer Science*, 837:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Veloso:1994:PAA**

- [2152] M. M. Veloso. Prodigy/analogy: Analogical reasoning in general problem solving. *Lecture Notes in Computer Science*, 837:33–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Armengol:1994:KLM**

- [2153] E. Armengol and E. Plaza. A knowledge level model of case-based reasoning. *Lecture Notes in Computer Science*, 837:53–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakhaeizadeh:1994:LPT**

- [2154] G. Nakhaeizadeh. Learning prediction of time series — A theoretical and empirical comparison of CBR with some other approaches. *Lecture Notes in Computer Science*, 837:65–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wess:1994:CBS**

- [2155] S. Wess and C. Globig. Case-based and symbolic classification. *Lecture Notes in Computer Science*, 837:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bento:1994:SMR**

- [2156] C. Bento and E. Costa. A similarity metric for retrieval of cases imperfectly

explained. *Lecture Notes in Computer Science*, 837:92–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bunke:1994:SMS**

- [2157] H. Bunke and B. T. Messmer. Similarity measures for structured representations. *Lecture Notes in Computer Science*, 837:106–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sebag:1994:RBS**

- [2158] M. Sebag and M. Schoenauer. A rule-based similarity measure. *Lecture Notes in Computer Science*, 837:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brown:1994:UMM**

- [2159] M. G. Brown. An underlying memory model to support case retrieval. *Lecture Notes in Computer Science*, 837:132–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Myllymaeki:1994:MPC**

- [2160] P. Myllymaeki and H. Tirri. Massively parallel case-based reasoning with probabilistic similarity metrics. *Lecture Notes in Computer Science*, 837:144–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rougrez:1994:SEB**

- [2161] S. Rougrez. Similarity evaluation between observed behaviours for the prediction of processes. *Lecture Notes in Computer Science*, 837:155–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wess:1994:UTI**

- [2162] S. Wess, K.-D. Althoff, and G. Derwand. Using  $k-d$  trees to improve the retrieval step in case-based reasoning. *Lecture Notes in Computer Science*, 837:167–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bergmann:1994:EBS**

- [2163] R. Bergmann, G. Pews, and W. Wilke. Explanation-based similarity: A unifying approach for integrating domain knowledge into case-based reasoning for diagnosis and planning tasks. *Lecture Notes in Computer Science*, 837:182–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boerner:1994:SSG**

- [2164] K. Boerner. Structural similarity as guidance in case-based design. *Lecture Notes in Computer Science*, 837:197–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Smyth:1994:RAC**

- [2165] B. Smyth and M. T. Keane. Retrieving adaptable cases: The role of adaptation knowledge in case retrieval. *Lecture Notes in Computer Science*, 837:209–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chatterjee:1994:ATI**

- [2166] N. Chatterjee and J. A. Campbell. Adaptation through interpolation for

time-critical case-based reasoning. *Lecture Notes in Computer Science*, 837:221–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cunningham:1994:KER**

- [2167] P. Cunningham, D. Finn, and S. Slatery. Knowledge engineering requirements in derivational analogy. *Lecture Notes in Computer Science*, 837:234–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**O'Hara:1994:IRI**

- [2168] S. O'Hara and B. Indurkha. Incorporating (re)-interpretation in case-based reasoning. *Lecture Notes in Computer Science*, 837:246–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Uehara:1994:PPB**

- [2169] K. Uehara, M. Tanizawa, and S. Maekawa. PBL: Prototype-based learning algorithms. *Lecture Notes in Computer Science*, 837:261–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aamodt:1994:EDC**

- [2170] A. Aamodt. Explanation-driven case-based reasoning. *Lecture Notes in Computer Science*, 837:274–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arcos:1994:RAI**

- [2171] J. L. Arcos and E. Plaza. A reflective architecture for integrated memory-based learning and reasoning. *Lecture*

*Notes in Computer Science*, 837:289–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Macchion:1994:HKB**

- [2172] D. J. Macchion and Dinh Phuoc Vo. A hybrid knowledge-based system for technical diagnosis learning and assistance. *Lecture Notes in Computer Science*, 837:301–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakatani:1994:TRC**

- [2173] Y. Nakatani and D. Israel. Tuning rules by cases. *Lecture Notes in Computer Science*, 837:313–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Portinale:1994:UCB**

- [2174] L. Portinale, P. Torasso, C. Ortalda, and A. Giardino. Using case-based reasoning to focus model-based diagnostic problem solving. *Lecture Notes in Computer Science*, 837:325–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ashley:1994:LRR**

- [2175] K. D. Ashley and V. Aleven. A logical representation for relevance criteria. *Lecture Notes in Computer Science*, 837:338–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schild:1994:MEP**

- [2176] U. J. Schild and Y. Kerner. Multiple explanation patterns. *Lecture Notes in Computer Science*, 837:353–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bradburn:1994:ACB**

- [2177] C. Bradburn and J. Zeleznikow. The application of case-based reasoning to the tasks of health care planning. *Lecture Notes in Computer Science*, 837:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hurley:1994:PSM**

- [2178] N. Hurley. A priori selection of mesh densities for adaptive finite element analysis, using a case-based reasoning approach. *Lecture Notes in Computer Science*, 837:379–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kamp:1994:ISS**

- [2179] G. Kamp. Integrating semantic structure and technical documentation in case-based service support systems. *Lecture Notes in Computer Science*, 837:392–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Smail:1994:CBI**

- [2180] M. Smail. Case-based information retrieval. *Lecture Notes in Computer Science*, 837:404–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stadler:1994:CBR**

- [2181] M. Stadler. Case-based reasoning for network management. *Lecture Notes in Computer Science*, 837:414–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wendel:1994:CBR**

- [2182] O. Wendel. Case-based reasoning in a simulation environment for biological neural networks. *Lecture Notes in Computer Science*, 837:424–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hua:1994:ICB**

- [2183] K. Hua, I. Smith, and B. Faltings. Integrated case-based building design. *Lecture Notes in Computer Science*, 837:436–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakakoji:1994:CDM**

- [2184] K. Nakakoji. Case-deliverer: Making cases relevant to the task at hand. *Lecture Notes in Computer Science*, 837:446–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Napoli:1994:FSC**

- [2185] A. Napoli and J. Lieber. A first study on case-based planning in organic synthesis. *Lecture Notes in Computer Science*, 837:458–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gottlob:1994:CML**

- [2186] G. Gottlob. From Carnap's modal logic to autoepistemic logic. *Lecture Notes in Computer Science*, 838:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Herre:1994:CPN**

- [2187] H. Herre. Compactness properties of nonmonotonic inference operations.



*Lecture Notes in Computer Science*, 838:19–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moinard:1994:APP**

- [2188] Y. Moinard and R. Rolland. Around a powerful property of circumscriptions. *Lecture Notes in Computer Science*, 838:34–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dimopoulos:1994:CVJ**

- [2189] Y. Dimopoulos. The computational value of joint consistency. *Lecture Notes in Computer Science*, 838:50–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aravindan:1994:BDA**

- [2190] C. Aravindan and P. M. Dung. Belief dynamics, abduction, and databases. *Lecture Notes in Computer Science*, 838:66–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Williams:1994:LTB**

- [2191] M.-A. Williams. On the logic of theory base change. *Lecture Notes in Computer Science*, 838:86–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alferes:1994:BPL**

- [2192] J. J. Alferes and L. M. Pereira. Belief, provability, and logic programs. *Lecture Notes in Computer Science*, 838:106–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marek:1994:RSM**

- [2193] V. W. Marek and M. Truszczynski. Revision specifications by means of programs. *Lecture Notes in Computer Science*, 838:122–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Witteveen:1994:RNM**

- [2194] C. Witteveen, W. Van der Hoek, and H. De Nivelle. Revision of non-monotonic theories: Some postulates and an application to logic programming. *Lecture Notes in Computer Science*, 838:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Petermann:1994:CCC**

- [2195] U. Petermann. A complete connection calculus with rigid E-unification. *Lecture Notes in Computer Science*, 838:152–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Scherl:1994:ECR**

- [2196] R. Scherl. Equality and constrained resolution. *Lecture Notes in Computer Science*, 838:167–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Demri:1994:ESA**

- [2197] S. Demri. Efficient strategies for automated reasoning in modal logics. *Lecture Notes in Computer Science*, 838:182–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aguilera:1994:TDS**

- [2198] G. Aguilera, I. P. De Guzman, and M. Ojeda. TAS-D0+0+: Syntactic trees transformations for automated theorem proving. *Lecture Notes in Computer Science*, 838:198–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeNivelle:1994:UOR**

- [2199] H. De Nivelle. A unification of ordering refinements of resolution in classical logic. *Lecture Notes in Computer Science*, 838:217–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Orlowska:1994:TLD**

- [2200] E. Orlowska. Two logical dimensions. *Lecture Notes in Computer Science*, 838:231–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rintanen:1994:PAL**

- [2201] J. Rintanen. Prioritized autoepistemic logic. *Lecture Notes in Computer Science*, 838:232–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brewka:1994:APS**

- [2202] G. Brewka. Adding priorities and specificity to default logic. *Lecture Notes in Computer Science*, 838:247–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chatalic:1994:VHT**

- [2203] P. Chatalic. Viewing hypothesis theories as constrained graded theories. *Lecture Notes in Computer Science*,

838:261–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Engelfriet:1994:TTR**

- [2204] J. Engelfriet and J. Treur. Temporal theories of reasoning. *Lecture Notes in Computer Science*, 838:279–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Georgatos:1994:RAK**

- [2205] K. Georgatos. Reasoning about knowledge on computation trees. *Lecture Notes in Computer Science*, 838:300–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grosse:1994:PSE**

- [2206] G. Grosse. Propositional state event logic. *Lecture Notes in Computer Science*, 838:316–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeGiacomo:1994:DLI**

- [2207] G. De Giacomo and M. Lenzerini. Description logics with inverse roles, functional restrictions, and  $N$ -ary relations. *Lecture Notes in Computer Science*, 838:332–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bertossi:1994:CGO**

- [2208] L. E. Bertossi and R. Reiter. On the concept of generic object: A non-monotonic reasoning approach and examples. *Lecture Notes in Computer Science*, 838:347–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Przymusinski:1994:ALM**

- [2209] T. C. Przymusinski. Autoepistemic logic of minimal beliefs. *Lecture Notes in Computer Science*, 838:364–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nonnengart:1994:HUM**

- [2210] A. Nonnengart. How to use modalities and sorts in Prolog. *Lecture Notes in Computer Science*, 838:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jacquet:1994:TRH**

- [2211] J.-M. Jacquet and L. Monteiro. Towards resource handling in logic programming: the PPL framework and its semantics. *Lecture Notes in Computer Science*, 838:379–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Costantini:1994:EHC**

- [2212] S. Costantini, P. Dell’Acqua, and G. A. Lanzarone. Extending Horn clause theories by reflection principles. *Lecture Notes in Computer Science*, 838:400–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Matsui:1994:FEC**

- [2213] Mitsuru Matsui. The first experimental cryptanalysis of the Data Encryption Standard. *Lecture Notes in Computer Science*, 839:1–11, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer-ny.com/link/service/series/0558/](http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390001.htm)

[bibs/0839/08390001.htm; http://link.springer-ny.com/link/service/series/0558/papers/0839/08390001.pdf](http://link.springer-ny.com/link/service/series/0558/papers/0839/08390001.pdf).

**Ohta:1994:LCF**

- [2214] Kazuo Ohta and Kazumaro Aoki. Linear cryptanalysis of the Fast Data Encipherment Algorithm. *Lecture Notes in Computer Science*, 839:12–16, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390012.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390012.pdf>.

**Langford:1994:DLC**

- [2215] Susan K. Langford and Martin E. Hellman. Differential-linear cryptanalysis. *Lecture Notes in Computer Science*, 839:17–25, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390017.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390017.pdf>.

**Kaliski:1994:LCU**

- [2216] Burton S. Kaliski Jr. and Matthew J. B. Robshaw. Linear cryptanalysis using multiple approximations. *Lecture Notes in Computer Science*, 839:26–39, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390026.htm>; <http://link.springer-ny.com/link/service/>

series/0558/papers/0839/08390026. pdf.

**Tillich:1994:HS**

- [2217] Jean-Pierre Tillich and Gilles Zémor. Hashing with  $sl_2$ . *Lecture Notes in Computer Science*, 839:40–49, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390040.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390040.pdf>.

**Chao:1994:DEC**

- [2218] Jinhui Chao, Kazuo Tanada, and Shigeo Tsujii. Design of elliptic curves with controllable lower boundary of extension degree for reduction attacks. *Lecture Notes in Computer Science*, 839:50–55, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390050.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390050.pdf>.

**Biehl:1994:CPB**

- [2219] Ingrid Biehl, Johannes A. Buchmann, and Christoph Thiel. Cryptographic protocols based on discrete logarithms in real-quadratic orders. *Lecture Notes in Computer Science*, 839:56–60, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390056.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390056.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/0839/08390056.pdf](http://link.springer-ny.com/link/service/series/0558/papers/0839/08390056.pdf).

**Okamoto:1994:DCS**

- [2220] Tatsuaki Okamoto. Designated confirmer signatures and public-key encryption are equivalent. *Lecture Notes in Computer Science*, 839:61–74, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390061.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390061.pdf>.

**Bleichenbacher:1994:DAG**

- [2221] Daniel Bleichenbacher and Ueli M. Maurer. Directed acyclic graphs, one-way functions and digital signatures. *Lecture Notes in Computer Science*, 839:75–82, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390075.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390075.pdf>.

**Delos:1994:IBS**

- [2222] Olivier Delos and Jean-Jacques Quisquater. An identity-based signature scheme with bounded life-span. *Lecture Notes in Computer Science*, 839:83–94, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390083.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390083.pdf>.

series/0558/papers/0839/08390083. pdf.

**Lim:1994:MFE**

- [2223] Chae Hoon Lim and Pil Joong Lee. More flexible exponentiation with precomputation. *Lecture Notes in Computer Science*, 839:95–107, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390095.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390095.pdf>.

**Horvath:1994:PPM**

- [2224] Tamás Horváth, Spyros S. Magliveras, and Tran van Trung. A parallel permutation multiplier for a PGM crypto-chip. *Lecture Notes in Computer Science*, 839:108–113, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390108.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390108.pdf>.

**Davis:1994:CRA**

- [2225] Don Davis, Ross Ihaka, and Philip Fenstermacher. Cryptographic randomness from air turbulence in disk drives. *Lecture Notes in Computer Science*, 839:114–120, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390114.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390114.pdf>.

series/0558/papers/0839/08390114. pdf.

**Gehrmann:1994:CGN**

- [2226] Christian Gehrmann. Cryptanalysis of the Gemmell and Naor multi-round authentication protocol. *Lecture Notes in Computer Science*, 839:121–128, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390121.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390121.pdf>.

**Krawczyk:1994:LBH**

- [2227] Hugo Krawczyk. LFSR-based hashing and authentication. *Lecture Notes in Computer Science*, 839:129–139, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390129.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390129.pdf>.

**Kurosawa:1994:NBA**

- [2228] Kaoru Kurosawa. New bound on authentication code with arbitration. *Lecture Notes in Computer Science*, 839:140–149, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390140.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390140.pdf>.

**Blundo:1994:MSS**

- [2229] Carlo Blundo, Alfredo De Santis, Giovanni Di Crescenzo, Antonio Giorgio Gaggia, and Ugo Vaccaro. Multi-secret sharing schemes. *Lecture Notes in Computer Science*, 839:150–163, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390150.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390150.pdf>.

**Stern:1994:DIS**

- [2230] Jacques Stern. Designing identification schemes with keys of short size. *Lecture Notes in Computer Science*, 839:164–173, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390164.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390164.pdf>.

**Cramer:1994:PPK**

- [2231] Ronald Cramer, Ivan Bjerre Damgård, and Berry Schoenmakers. Proof of partial knowledge and simplified design of witness hiding protocols. *Lecture Notes in Computer Science*, 839:174–187, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390174.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390174.pdf>.

**Itoh:1994:LDS**

- [2232] Toshiya Itoh, Yuji Ohta, and Hiroki Shizuya. Language dependent secure bit commitment. *Lecture Notes in Computer Science*, 839:188–201, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390188.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390188.pdf>.

**Girault:1994:LCH**

- [2233] Marc Girault and Jacques Stern. On the length of cryptographic hash-values used in identification schemes. *Lecture Notes in Computer Science*, 839:202–215, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390202.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390202.pdf>.

**Bellare:1994:ICC**

- [2234] Mihir Bellare, Oded Goldreich, and Shafi Goldwasser. Incremental cryptography: The case of hashing and signing. *Lecture Notes in Computer Science*, 839:216–233, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390216.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390216.pdf>.

**Dwork:1994:EEU**

- [2235] Cynthia Dwork and Moni Naor. An efficient existentially unforgeable signature scheme and its applications. *Lecture Notes in Computer Science*, 839:234–246, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390234.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390234.pdf>.

**Bierbrauer:1994:BRF**

- [2236] Jürgen Bierbrauer, K. Gopalakrishnan, and Douglas R. Stinson. Bounds for resilient functions and orthogonal arrays. *Lecture Notes in Computer Science*, 839:247–256, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390247.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390247.pdf>.

**Chor:1994:TT**

- [2237] Benny Chor, Amos Fiat, and Moni Naor. Tracing traitors. *Lecture Notes in Computer Science*, 839:257–270, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390257.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390257.pdf>.

**Maurer:1994:TEB**

- [2238] Ueli M. Maurer. Towards the equivalence of breaking the Diffie–Hellman protocol and computing discrete logarithms. *Lecture Notes in Computer Science*, 839:271–281, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390271.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390271.pdf>.

**Mihailescu:1994:FGP**

- [2239] Preda Mihailescu. Fast generation of provable primes using search in arithmetic progressions. *Lecture Notes in Computer Science*, 839:282–293, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390282.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390282.pdf>.

**Coppersmith:1994:ACS**

- [2240] Don Coppersmith. Attack on the cryptographic scheme NIKS–TAS. *Lecture Notes in Computer Science*, 839:294–307, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390294.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390294.pdf>.

**Burmester:1994:ROD**

- [2241] Mike V. D. Burmester. On the risk of opening distributed keys. *Lecture Notes in Computer Science*, 839:308–317, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390308.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390308.pdf>.

**Beth:1994:CCB**

- [2242] Thomas Beth, D. E. Lazic, and A. Mathias. Cryptanalysis of cryptosystems based on remote chaos replication. *Lecture Notes in Computer Science*, 839:318–331, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390318.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390318.pdf>.

**Massey:1994:FTA**

- [2243] James L. Massey and Shirlei Serconek. A Fourier transform approach to the linear complexity of nonlinearly filtered sequences. *Lecture Notes in Computer Science*, 839:332–340, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390332.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390332.pdf>.

**Bellare:1994:SCB**

- [2244] Mihir Bellare, Joe Kilian, and Phillip Rogaway. The security of cipher block chaining. *Lecture Notes in Computer Science*, 839:341–358, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390341.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390341.pdf>.

**Gilbert:1994:CPA**

- [2245] Henri Gilbert and Pascal Chauvaud. A chosen plaintext attack of the 16-round Khufu cryptosystem. *Lecture Notes in Computer Science*, 839:359–368, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390359.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390359.pdf>.

**Tsunoo:1994:COA**

- [2246] Yukiyasu Tsunoo, Eiji Okamoto, and Tomohiko Uyematsu. Ciphertext only attack for one-way function of the MAP using one ciphertext. *Lecture Notes in Computer Science*, 839:369–382, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390369.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390369.pdf>.



**Seberry:1994:PDS**

- [2247] Jennifer Seberry, Xian-Mo Zhang, and Yuliang Zheng. Pitfalls in designing substitution boxes. *Lecture Notes in Computer Science*, 839:383–396, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390383.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390383.pdf>.

**Kushilevitz:1994:RRT**

- [2248] Eyal Kushilevitz and Adi Rosén. A randomness-rounds tradeoff in private computation. *Lecture Notes in Computer Science*, 839:397–410, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390397.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390397.pdf>.

**Sako:1994:SVU**

- [2249] Kazue Sako and Joe Kilian. Secure voting using partially compatible homomorphisms. *Lecture Notes in Computer Science*, 839:411–424, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390411.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390411.pdf>.

**Canetti:1994:MSP**

- [2250] Ran Canetti and Amir Herzberg. Maintaining security in the presence of transient faults. *Lecture Notes in Computer Science*, 839:425–438, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0839/08390425.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0839/08390425.pdf>.

**Anonymous:1994:AId**

- [2251] Anonymous. Author index. *Lecture Notes in Computer Science*, 839:439–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/0839/0839indx.pdf>.

**Reinelt:1994:I**

- [2252] Gerhard Reinelt. 1 introduction. *Lecture Notes in Computer Science*, 840:1–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400001.pdf>.

**Reinelt:1994:BC**

- [2253] Gerhard Reinelt. 2 basic concepts. *Lecture Notes in Computer Science*, 840:4–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/>

- bibs/0840/08400004.htm; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400004.pdf>. [2257]
- Reinelt:1994:RPA**
- [2254] Gerhard Reinelt. 3 related problems and applications. *Lecture Notes in Computer Science*, 840:31–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400031.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400031.pdf>. [2258]
- Reinelt:1994:GC**
- [2255] Gerhard Reinelt. 4 geometric concepts. *Lecture Notes in Computer Science*, 840:42–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400042.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400042.pdf>. [2259]
- Reinelt:1994:CS**
- [2256] Gerhard Reinelt. 5 candidate sets. *Lecture Notes in Computer Science*, 840:64–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400064.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400064.pdf>. [2260]
- Reinelt:1994:CH**
- Gerhard Reinelt. 6 construction heuristics. *Lecture Notes in Computer Science*, 840:73–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400073.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400073.pdf>.
- Reinelt:1994:IS**
- Gerhard Reinelt. 7 improving solutions. *Lecture Notes in Computer Science*, 840:100–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400100.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400100.pdf>.
- Reinelt:1994:FHL**
- Gerhard Reinelt. 8 fast heuristics for large geometric problems. *Lecture Notes in Computer Science*, 840:133–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400133.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400133.pdf>.
- Reinelt:1994:FHA**
- Gerhard Reinelt. 9 further heuristic approaches. *Lecture Notes in Computer Science*, 840:153–??,

1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400153.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400153.pdf>. ■
- Reinelt:1994:LB**
- [2261] Gerhard Reinelt. 10 lower bounds. *Lecture Notes in Computer Science*, 840:161–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400161.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400161.pdf>. ■
- Reinelt:1994:CST**
- [2262] Gerhard Reinelt. 11 A case study: TSPs in PCB production. *Lecture Notes in Computer Science*, 840:187–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400187.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400187.pdf>. ■
- Reinelt:1994:PTS**
- [2263] Gerhard Reinelt. 12 practical TSP solving. *Lecture Notes in Computer Science*, 840:200–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400200.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400200.pdf>. ■
- Reinelt:1994:AT**
- [2264] Gerhard Reinelt. Appendix: TSPLIB. *Lecture Notes in Computer Science*, 840:211–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/0840/08400211.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/0840/08400211.pdf>. ■
- Anonymous:1994:R**
- [2265] Anonymous. References. *Lecture Notes in Computer Science*, 840:214–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/0840/0840refs.pdf>. ■
- Anonymous:1994:I**
- [2266] Anonymous. Index. *Lecture Notes in Computer Science*, 840:222–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/0840/0840indx.pdf>. ■
- Reinelt:1994:TSC**
- [2267] G. Reinelt. The traveling salesman: Computational solutions for TSP applications. *Lecture Notes in Computer Science*, 840:viii + 223, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). ■

**Cheatham:1994:MLC**

- [2268] T. Cheatham. Models, languages, and compiler technology for high performance computers. *Lecture Notes in Computer Science*, 841:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cosnard:1994:NRC**

- [2269] M. Cosnard and M. Matamala. On NC-Real complexity classes for additive circuits and their relations with NC. *Lecture Notes in Computer Science*, 841:27–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Duris:1994:CSD**

- [2270] P. Duris and J. D. P. Rolim. E-complete sets do not have optimal polynomial time approximations. *Lecture Notes in Computer Science*, 841:38–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bloom:1994:SPF**

- [2271] S. L. Bloom and Z. Esik. Solving polynomial fixed point equations. *Lecture Notes in Computer Science*, 841:52–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Makowsky:1994:CCC**

- [2272] J. A. Makowsky. Capturing complexity classes with lindstroem quantifiers. *Lecture Notes in Computer Science*, 841:68–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Monien:1994:CTI**

- [2273] B. Monien, R. Diekmann, and R. Lueling. Communication throughput of interconnection networks. *Lecture Notes in Computer Science*, 841:72–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lipton:1994:ICC**

- [2274] J. Lipton and M. J. O’Donnell. Intuitive counterexamples for constructive fallacies. *Lecture Notes in Computer Science*, 841:87–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Orejas:1994:AMC**

- [2275] F. Orejas, E. Pino, and H. Ehrig. Algebraic methods in the compositional analysis of logic programs. *Lecture Notes in Computer Science*, 841:112–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paterson:1994:LCS**

- [2276] M. Paterson and V. Dancik. Longest common subsequences. *Lecture Notes in Computer Science*, 841:127–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pevzner:1994:TDS**

- [2277] P. A. Pevzner and R. J. Lipshutz. Towards DNA sequencing chips. *Lecture Notes in Computer Science*, 841:143–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sgall:1994:LSP**

- [2278] J. Sgall. On-line scheduling of parallel jobs. *Lecture Notes in Computer Science*, 841:159–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Winskel:1994:SBM**

- [2279] G. Winskel. Stable bistructure models of PCF. *Lecture Notes in Computer Science*, 841:177–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Albers:1994:CAL**

- [2280] S. Albers. A competitive analysis of the list update problem with lookahead. *Lecture Notes in Computer Science*, 841:201–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alessi:1994:MMC**

- [2281] F. Alessi, M. Dezani-Ciancaglini, and U. De'Liguoro. May and must convergence in concurrent lambda-calculus. *Lecture Notes in Computer Science*, 841:211–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ambos-Spies:1994:GME**

- [2282] K. Ambos-Spies, H.-C. Neis, and S. A. Terwijn. Genericity and measure for exponential time. *Lecture Notes in Computer Science*, 841:221–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baeza-Yates:1994:ABD**

- [2283] R. A. Baeza-Yates. Analysis of bounded disorder. *Lecture Notes in*

*Computer Science*, 841:233–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bertoni:1994:LAS**

- [2284] A. Bertoni, C. Mereghetti, and G. Pighizzini. On languages accepted with simultaneous complexity bounds and their ranking problem. *Lecture Notes in Computer Science*, 841:245–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeBoer:1994:PSA**

- [2285] F. S. De Boer and M. Van Hulst. A proof system for asynchronously communicating deterministic processes. *Lecture Notes in Computer Science*, 841:256–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouabdallah:1994:ECB**

- [2286] A. Bouabdallah, M. C. Heydemann, J. Opatrny, and D. Sotteau. Embedding complete binary trees into star networks. *Lecture Notes in Computer Science*, 841:266–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Damm:1994:ICB**

- [2287] C. Damm and M. Holzer. Inductive counting below LOGSPACE. *Lecture Notes in Computer Science*, 841:276–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dassow:1994:DPE**

- [2288] J. Dassow. Decision problems for edge grammars. *Lecture Notes in Computer Science*, 841:286–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dehne:1994:BSP**

- [2289] F. Dehne and R. Klein. “the big sweep”: On the power of the wavefront approach to Voronoi diagrams. *Lecture Notes in Computer Science*, 841:296–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Denejko:1994:RMF**

- [2290] P. Denejko, K. Diks, A. Pelc, and M. Piotrow. Reliable minimum finding comparator networks. *Lecture Notes in Computer Science*, 841:306–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dessmark:1994:PCM**

- [2291] A. Dessmark, A. Lingas, and O. Garrido. On parallel complexity of maximum  $f$ -matching and the degree sequence problem. *Lecture Notes in Computer Science*, 841:316–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dietzfelbinger:1994:CTL**

- [2292] M. Dietzfelbinger, J. Hromkovic, and G. Schnitger. A comparison of two lower bound methods for communication complexity. *Lecture Notes in Computer Science*, 841:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**EyonoObono:1994:ESW**

- [2293] S. Eyono Obono, P. Goralcik, and M. Maksimenko. Efficient solving of the word equations in one variable. *Lecture Notes in Computer*

*Science*, 841:336–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferrari:1994:CES**

- [2294] G. L. Ferrari, U. Montanari, and P. Quaglia. A  $\pi$ -calculus with explicit substitutions: the late semantics. *Lecture Notes in Computer Science*, 841:342–351, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Forti:1994:PH**

- [2295] M. Forti, F. Honsell, and M. Lenisa. Processes and hyperuniverses. *Lecture Notes in Computer Science*, 841:352–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Frayman:1994:CCF**

- [2296] F. Frayman, V. Kanevsky, and W. Kirchherr. The combinatorial complexity of a finite string. *Lecture Notes in Computer Science*, 841:364–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gold:1994:FAS**

- [2297] R. Gold. A fully abstract semantics for termination in Petri nets. *Lecture Notes in Computer Science*, 841:373–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**HalfeldFerrariAlves:1994:PAR**

- [2298] M. Halfeld Ferrari Alves, D. Laurent, and N. Spyrtos. Passive and active rules in deductive databases. *Lecture*

*Notes in Computer Science*, 841:383–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hegedus:1994:CRC**

- [2299] T. Hegedus. Combinatorial results on the complexity of teaching and learning. *Lecture Notes in Computer Science*, 841:393–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hermo:1994:DRE**

- [2300] M. Hermo. Degrees and reducibilities of easy tally sets. *Lecture Notes in Computer Science*, 841:403–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoogeboom:1994:MDT**

- [2301] H. J. Hoogeboom and P. Ten Pas. MSO definable text languages. *Lecture Notes in Computer Science*, 841:413–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hromkovic:1994:TLB**

- [2302] J. Hromkovic, J. Kari, L. Kari, and D. Pardubska. Two lower bounds on distributive generation of languages. *Lecture Notes in Computer Science*, 841:423–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Inverardi:1994:RR**

- [2303] P. Inverardi and M. Venturini Zilli. Rational rewriting. *Lecture Notes in Computer Science*, 841:433–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Karhumaeki:1994:SIS**

- [2304] J. Karhumaeki and W. Plandowski. On the size of independent systems of equations in semigroups. *Lecture Notes in Computer Science*, 841:443–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Karpinski:1994:STP**

- [2305] M. Karpinski and W. Rytter. On a sublinear time parallel construction of optimal binary search trees. *Lecture Notes in Computer Science*, 841:453–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kavvadias:1994:HED**

- [2306] D. Kavvadias, G. E. Pantziou, P. G. Spirakis, and C. D. Zaroliagis. Hammock-on-ears decomposition: A technique for the efficient parallel solution of shortest paths and other problems. *Lecture Notes in Computer Science*, 841:462–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klasing:1994:RBG**

- [2307] R. Klasing. The relationship between gossiping in vertex-disjoint paths mode and bisection width. *Lecture Notes in Computer Science*, 841:473–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kurka:1994:CFC**

- [2308] P. Kúrka. A comparison of finite and cellular automata. *Lecture Notes in Computer Science*, 841:484–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lange:1994:EA**

- [2309] K.-J. Lange and K. Reinhardt. Empty alternation. *Lecture Notes in Computer Science*, 841:494–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**LeSaec:1994:MPO**

- [2310] B. Le Saec and I. Litovsky. On the minimization problem for omega-automata. *Lecture Notes in Computer Science*, 841:504–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meinel:1994:CCO**

- [2311] C. Meinel and A. Slobodova. On the complexity of constructing optimal ordered binary decision diagrams. *Lecture Notes in Computer Science*, 841:515–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Narayanan:1994:AAM**

- [2312] H. Narayanan, S. Roy, and S. Patkar. Approximation algorithms for min- $k$ -overlap problems using the principal lattice of partitions approach. *Lecture Notes in Computer Science*, 841:525–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeNicola:1994:CTN**

- [2313] R. De Nicola and A. Labella. A completeness theorem for nondeterministic Kleene algebras. *Lecture Notes in Computer Science*, 841:536–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papatriantafilou:1994:HRC**

- [2314] M. Papatriantafilou and P. Tsigas. How a rainbow colouring function can simulate wait-free handshaking. *Lecture Notes in Computer Science*, 841:546–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Plump:1994:CPT**

- [2315] D. Plump. Critical pairs in term graph rewriting. *Lecture Notes in Computer Science*, 841:556–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Priami:1994:RWC**

- [2316] C. Priami and D. Yankelevich. Read-write causality. *Lecture Notes in Computer Science*, 841:567–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Richomme:1994:STM**

- [2317] G. Richomme. Some trace monoids where both the star problem and the finite power property problem are decidable. *Lecture Notes in Computer Science*, 841:577–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Salomaa:1994:CES**

- [2318] K. Salomaa, D. Wood, and S. Yu. Complexity of EOL structural equivalence. *Lecture Notes in Computer Science*, 841:587–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Sibeyn:1994:SQP**

- [2319] J. F. Sibeyn, B. S. Chlebus, and M. Kaufmann. Shorter queues for permutation routing on meshes. *Lecture Notes in Computer Science*, 841:597–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sieber:1994:FAS**

- [2320] K. Sieber. Full abstraction for the second order subset of an ALGOL-like language. *Lecture Notes in Computer Science*, 841:608–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weber:1994:FHP**

- [2321] A. Weber and T. Head. The finest homophonic partition and related code concepts. *Lecture Notes in Computer Science*, 841:618–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kloks:1994:TCA**

- [2322] T. Kloks. Treewidth: Computations and approximations. *Lecture Notes in Computer Science*, 842:ix + 209, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Szepietowski:1994:TMS**

- [2323] A. Szepietowski. Turing machines with sublogarithmic space. *Lecture Notes in Computer Science*, 843:viii + 114, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Palamidessi:1994:CCPa**

- [2324] C. Palamidessi. Concurrent constraint programming. *Lecture Notes in Com-*

*puter Science*, 844:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Miller:1994:SUMa**

- [2325] D. Miller. Specifications using multiple-conclusion logic programs. *Lecture Notes in Computer Science*, 844:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paige:1994:VPTa**

- [2326] R. Paige. Viewing a program transformation system at work. *Lecture Notes in Computer Science*, 844:5–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chikayama:1994:PEI**

- [2327] T. Chikayama, T. Fujise, and D. Sekita. A portable and efficient implementation of KL1. *Lecture Notes in Computer Science*, 844:25–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Smith:1994:WMS**

- [2328] D. A. Smith. Why Multi-SLD beats SLD (even on a uniprocessor). *Lecture Notes in Computer Science*, 844:40–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zaffanella:1994:ASC**

- [2329] E. Zaffanella, R. Giacobazzi, and G. Levi. Abstracting synchronization in concurrent constraint programming. *Lecture Notes in Computer Science*, 844:57–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tarau:1994:NTC**

- [2330] P. Tarau and U. Neumerkel. A novel term compression scheme and data representation in the BinWAM. *Lecture Notes in Computer Science*, 844:73–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bevemyr:1994:SEC**

- [2331] J. Bevemyr and T. Lindgren. A simple and efficient copying garbage collector for Prolog. *Lecture Notes in Computer Science*, 844:88–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schulte:1994:DRR**

- [2332] W. Schulte. Deriving residual reference count garbage collectors. *Lecture Notes in Computer Science*, 844:102–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pettersson:1994:RNL**

- [2333] M. Pettersson. RML — A new language and implementation for natural semantics. *Lecture Notes in Computer Science*, 844:117–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hamel:1994:TPC**

- [2334] L. H. Hamel and J. A. Goguen. Towards a provably correct compiler for OBJ3. *Lecture Notes in Computer Science*, 844:132–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Voronkov:1994:ITC**

- [2335] A. Voronkov. An implementation technique for a class of bottom-up procedures. *Lecture Notes in Computer Science*, 844:147–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Glueck:1994:PDD**

- [2336] R. Glueck and M. H. Soerensen. Partial deduction and driving are equivalent. *Lecture Notes in Computer Science*, 844:165–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moreau:1994:PCD**

- [2337] L. Moreau and C. Queinnec. Partial continuations as the difference of continuations. A duumvirate of control operators. *Lecture Notes in Computer Science*, 844:182–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Birkedal:1994:HPG**

- [2338] L. Birkedal and M. Welinder. Handwriting program generator generators. *Lecture Notes in Computer Science*, 844:198–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bugliesi:1994:LEO**

- [2339] M. Bugliesi and H. M. Jamil. A logic for encapsulation in object oriented languages. *Lecture Notes in Computer Science*, 844:215–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fruehwirth:1994:ACL**

- [2340] T. Fruehwirth. Annotated constraint logic programming applied to temporal reasoning. *Lecture Notes in Computer Science*, 844:230–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Codognet:1994:CBC**

- [2341] P. Codognet and D. Diaz. clp(B): Combining simplicity and efficiency in Boolean constraint solving. *Lecture Notes in Computer Science*, 844:244–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fages:1994:HPC**

- [2342] F. Fages, J. Fowler, and T. Sola. Handling preferences in constraint logic programming with relational optimization. *Lecture Notes in Computer Science*, 844:261–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Breitinger:1994:ISJ**

- [2343] S. Breitinger and H. C. R. Lock. Improving search for job-shop scheduling with CLP (FD). *Lecture Notes in Computer Science*, 844:277–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brogi:1994:IPC**

- [2344] A. Brogi, A. Chiarelli, P. Mancarella, and V. Mazzotta. Implementations of program composition operations. *Lecture Notes in Computer Science*, 844:292–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Codognet:1994:SVH**

- [2345] C. Codognet, P. Codognet, V. Loia, and M. Quaggetto. Sleepers: a versatile high-level control mechanism. *Lecture Notes in Computer Science*, 844:308–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Metzemakers:1994:IAP**

- [2346] T. Metzemakers, A. Miniussi, D. Sherman, and R. Strandh. Improving arithmetic performance using fine-grain unfolding. *Lecture Notes in Computer Science*, 844:324–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gergatsoulis:1994:UFT**

- [2347] M. Gergatsoulis and M. Katzouraki. Unfold/fold transformations for definite clause programs. *Lecture Notes in Computer Science*, 844:340–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maraist:1994:GRT**

- [2348] J. Maraist and F. S. K. Silbermann. A graph reduction technique with sharing across narrowings for functional-logic languages. *Lecture Notes in Computer Science*, 844:355–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hanus:1994:CLN**

- [2349] M. Hanus. Combining lazy narrowing and simplifications. *Lecture Notes in Computer Science*, 844:370–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arenas-Sanchez:1994:CLN**

- [2350] P. Arenas-Sanchez, A. Gil-Luezas, and F. J. Lopez-Fraguas. Combining lazy narrowing with disequality constraints. *Lecture Notes in Computer Science*, 844:385–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Janssens:1994:ANV**

- [2351] G. Janssens, M. Bruynooghe, and V. Englebert. Abstracting numerical values in CLP(H,N). *Lecture Notes in Computer Science*, 844:400–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Field:1994:DDT**

- [2352] J. Field and F. Tip. Dynamic dependence in term rewriting systems and its application to program slicing. *Lecture Notes in Computer Science*, 844:415–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boulanger:1994:ASU**

- [2353] D. Boulanger, M. Bruynooghe, and M. Denecker. Abstracting S-semantics using A model-theoretic approach. *Lecture Notes in Computer Science*, 844:432–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Serrano:1994:UHO**

- [2354] M. Serrano. Using higher order control flow analysis when compiling functional languages. *Lecture Notes in Computer Science*, 844:447–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kluzniak:1994:RRR**

- [2355] F. Kluzniak and M. Milkowska. Readable, runnable requirements specifications in SPILL-2. *Lecture Notes in Computer Science*, 844:449–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leal:1994:SVI**

- [2356] J. P. Leal. A system to visualize and interact with Prolog programs. *Lecture Notes in Computer Science*, 844:451–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hundehege:1994:SBS**

- [2357] J.-B. Hundehege, W.-M. Lippe, and U. Xanten. Semantic-based static program transformations for memory space and run time optimization in hybrid languages. *Lecture Notes in Computer Science*, 844:453–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grivas:1994:TCF**

- [2358] G. Grivas. Towards a constraint functional logic compiler for symbolic computation systems. *Lecture Notes in Computer Science*, 844:455–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rodrigues:1994:PPM**

- [2359] O. Rodrigues and M. Benevides. PRO-MAL: Programming in modal action logic. *Lecture Notes in Computer Science*, 844:457–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bsaies:1994:ISP**

- [2360] K. Bsaies. Implementing the synthesis of properties in unfold/fold transformations. *Lecture Notes in Computer Science*, 844:459–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saenz:1994:SMS**

- [2361] F. Saenz, W. Hans, J. J. Ruz, and S. Winkler. Shared memory system for babel: A VHDL specification. *Lecture Notes in Computer Science*, 844:461–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Belkhir:1994:TIF**

- [2362] A. Belkhir and N. Nemouche. Towards integrating functional and logic styles using relation. *Lecture Notes in Computer Science*, 844:463–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barklund:1994:TFD**

- [2363] J. Barklund. Tabulation of functions in definite clause programs. *Lecture Notes in Computer Science*, 844:465–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mantsivoda:1994:FSN**

- [2364] A. Mantsivoda. Flang system: A new version. *Lecture Notes in Computer Science*, 844:467–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Snyder:1994:ADC**

- [2365] W. Snyder. Automated deduction with constraints. *Lecture Notes in Computer Science*, 845:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lynch:1994:LS**

- [2366] C. Lynch. Local simplification. *Lecture Notes in Computer Science*, 845:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barth:1994:SCS**

- [2367] P. Barth. Simplifying clausal satisfiability problems. *Lecture Notes in Computer Science*, 845:19–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Uribe:1994:OBD**

- [2368] T. E. Uribe and M. E. Stickel. Ordered binary decision diagrams and the Davis–Putnam procedure. *Lecture Notes in Computer Science*, 845:34–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Smolka:1994:FHO**

- [2369] G. Smolka. A foundation for higher-order concurrent constraint programming. *Lecture Notes in Computer Science*, 845:50–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nielson:1994:CPB**

- [2370] F. Nielson and A. R. Nielson. Constraints for polymorphic behaviours of concurrent ML. *Lecture Notes in Computer Science*, 845:73–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Niehren:1994:CRC**

- [2371] J. Niehren and G. Smolka. A confluent relational calculus for higher-order programming with constraints. *Lecture Notes in Computer Science*, 845:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Quian:1994:MAU**

- [2372] Z. Quian and K. Wang. Modular AC-Unification of higher-order patterns. *Lecture Notes in Computer Science*, 845:105–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lugiez:1994:HOD**

- [2373] D. Lugiez. Higher-order disunification: Some decidable cases. *Lecture Notes in Computer Science*, 845:121–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boudet:1994:SAU**

- [2374] A. Boudet and E. Contejean. “syntactic” AC-Unification. *Lecture Notes in Computer Science*, 845:136–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Simonis:1994:ACL**

- [2375] H. Simonis. Applications of constraint logic programming. *Lecture Notes in Computer Science*, 845:152–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Michaylov:1994:RRI**

- [2376] S. Michaylov. Repeated redundant inequalities in constraint logic program-

ming. *Lecture Notes in Computer Science*, 845:154–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsutsumi:1994:EAL**

- [2377] F. Tsutsumi. An efficient algorithm of logic programming with constraint hierarchy. *Lecture Notes in Computer Science*, 845:170–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beckmann:1994:ACL**

- [2378] R. Beckmann, U. Bieker, and I. Markhof. Application of constraint logic programming for VLSI CAD tools. *Lecture Notes in Computer Science*, 845:183–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Codognet:1994:PCC**

- [2379] P. Codognet and G. Nardiello. Path consistency in clp(FD). *Lecture Notes in Computer Science*, 845:201–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dauchet:1994:SCT**

- [2380] M. Dauchet. Symbolic constraints and tree automata. *Lecture Notes in Computer Science*, 845:217–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hense:1994:RCP**

- [2381] A. V. Hense and G. Smolka. A record calculus with principal types. *Lecture Notes in Computer Science*, 845:219–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Haberstrau:1994:EEC**

- [2382] M. Haberstrau. ECOLOG: an environment for CONstraint LOGics. *Lecture Notes in Computer Science*, 845:237–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prehofer:1994:MTR**

- [2383] C. Prehofer. On modularity in term rewriting and narrowing. *Lecture Notes in Computer Science*, 845:253–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Avenhaus:1994:HOC**

- [2384] J. Avenhaus and C. Loria-Saenz. Higher-order conditional rewriting and narrowing. *Lecture Notes in Computer Science*, 845:269–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bachmair:1994:BAC**

- [2385] L. Bachmair and H. Ganzinger. Buchberger’s algorithm: a constraint-based completion procedure. *Lecture Notes in Computer Science*, 845:285–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kozen:1994:SCL**

- [2386] D. Kozen. Set constraints and logic programming. *Lecture Notes in Computer Science*, 845:302–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Charatonik:1994:SCS**

- [2387] W. Charatonik. Set constraints in some equational theories. *Lecture Notes in Computer Science*, 845:304–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Backofen:1994:HWG**

- [2388] R. Backofen and R. Treinen. How to win a game with features. *Lecture Notes in Computer Science*, 845:320–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gilleron:1994:SND**

- [2389] R. Gilleron, S. Tison, and M. Tommasi. Some new decidability results on positive and negative set constraints. *Lecture Notes in Computer Science*, 845:336–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johann:1994:SSO**

- [2390] P. Johann and R. Socher-Ambrosius. Solving simplification ordering constraints. *Lecture Notes in Computer Science*, 845:352–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McAuley:1994:OSS**

- [2391] D. R. McAuley. Operating system support for the desk area network. *Lecture Notes in Computer Science*, 846:13–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jones:1994:ART**

- [2392] M. B. Jones. Adaptive real-time resource management supporting modu-

lar composition of digital multimedia services. *Lecture Notes in Computer Science*, 846:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pfeifer:1994:MMN**

- [2393] T. Pfeifer. Micronet machines — new architectural approaches for multimedia end-systems. *Lecture Notes in Computer Science*, 846:29–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nieh:1994:SUS**

- [2394] J. Nieh, J. G. Hanko, J. D. Northcutt, and G. A. Wall. SVR4 UNIX scheduler unacceptable for multimedia applications. *Lecture Notes in Computer Science*, 846:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coulson:1994:ECM**

- [2395] G. Coulson, G. S. Blair, P. Robin, and D. Shepherd. Extending the Chorus micro-kernel to support continuous media applications. *Lecture Notes in Computer Science*, 846:54–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oikawa:1994:ULR**

- [2396] S. Oikawa and H. Tokuda. User-level real-time threads: An approach towards high performance multimedia threads. *Lecture Notes in Computer Science*, 846:66–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grinham:1994:IDP**

- [2397] J. Grinham and M. Spratt. IEEE 802.12 demand priority and multimedia. *Lecture Notes in Computer Science*, 846:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saran:1994:SDA**

- [2398] H. Saran, S. Keshav, C. R. Kalmanek, and S. P. Morgan. A scheduling discipline and admission control policy for Xunet 2. *Lecture Notes in Computer Science*, 846:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hyman:1994:MVV**

- [2399] J. M. Hyman, A. A. Lazar, and G. Pacifici. Modelling VC, VP and VN bandwidth assignment strategies in broadband networks. *Lecture Notes in Computer Science*, 846:102–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tokuda:1994:DQC**

- [2400] H. Tokuda and T. Kitayama. Dynamic QOS control based on real-time threads. *Lecture Notes in Computer Science*, 846:114–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Campbell:1994:MET**

- [2401] A. Campbell, G. Coulson, and D. Hutchison. A multimedia enhanced transport service in a quality of service architecture. *Lecture Notes in Computer Science*, 846:124–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Fry:1994:FIN**

- [2402] M. Fry, A. Richards, and A. Seneviratne. Framework for implementing the next generation of communication protocols. *Lecture Notes in Computer Science*, 846:138–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stone:1994:QMD**

- [2403] D. L. Stone and K. Jeffay. Queue monitoring: A delay jitter management policy. *Lecture Notes in Computer Science*, 846:149–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keller:1994:PBD**

- [2404] R. Keller, W. Effelsberg, and B. Lamparter. Performance bottlenecks in digital movie systems. *Lecture Notes in Computer Science*, 846:161–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ramanathan:1994:FIP**

- [2405] S. Ramanathan, P. V. Rangan, and H. M. Vin. Frame-induced packet discarding: An efficient strategy for video networking. *Lecture Notes in Computer Science*, 846:173–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hagsand:1994:ALS**

- [2406] O. Hagsand and S. Pink. ATM as a link in an ST-2 Internet. *Lecture Notes in Computer Science*, 846:185–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Delgrossi:1994:RPI**

- [2407] L. Delgrossi, R. G. Herrtwich, C. Vogt, and L. C. Wolf. Reservation protocols for internetworks: A comparison of ST-II and RSVP. *Lecture Notes in Computer Science*, 846:195–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Little:1994:PAM**

- [2408] T. D. C. Little and D. Venkatesh. Probabilistic assignment of movies to storage devices in a video-on-demand system. *Lecture Notes in Computer Science*, 846:204–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ramakrishnan:1994:OSS**

- [2409] K. K. Ramakrishnan, L. Vaitzblit, C. Gray, and U. Vahalia. Operating system support for a video-on-demand file service. *Lecture Notes in Computer Science*, 846:216–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keeton:1994:EVL**

- [2410] K. Keeton and R. H. Katz. The evaluation of video layout strategies on a high-bandwidth file server. *Lecture Notes in Computer Science*, 846:228–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoffman:1994:NSD**

- [2411] D. Hoffman, M. Speer, and G. Fernando. Network support for dynamically scaled multimedia data streams. *Lecture Notes in Computer Science*, 846:240–??, 1994. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wang:1994:UFM**

- [2412] Z. Wang and J. Crowcroft. A unified framework for multicast forwarding. *Lecture Notes in Computer Science*, 846:252–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pasquale:1994:FPD**

- [2413] J. C. Pasquale, G. C. Polyzos, E. W. Anderson, and V. P. Kompella. Filter propagation in dissemination trees: Trading off bandwidth and processing in continuous media networks. *Lecture Notes in Computer Science*, 846:259–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berenji:1994:FRL**

- [2414] H. R. Berenji. Fuzzy reinforcement learning and dynamic programming. *Lecture Notes in Computer Science*, 847:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baldwin:1994:FSF**

- [2415] J. F. Baldwin. Fuzzy sets, fuzzy clustering and fuzzy rules in AI. *Lecture Notes in Computer Science*, 847:10–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saffiotti:1994:RER**

- [2416] A. Saffiotti, E. H. Ruspini, and K. Konolige. Robust execution of robot plans using fuzzy logic. *Lecture Notes in Computer Science*, 847:24–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouchon-Meunier:1994:FLI**

- [2417] B. Bouchon-Meunier, M. Ramdani, and L. Valverde. Fuzzy logic, inductive and analogical reasoning. *Lecture Notes in Computer Science*, 847:38–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dubois:1994:PTB**

- [2418] D. Dubois and H. Prade. Possibility theory, belief revision and nonmonotonic logic. *Lecture Notes in Computer Science*, 847:51–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baldwin:1994:QDF**

- [2419] J. F. Baldwin, M. R. Coyne, and T. P. Martin. Querying a database with fuzzy attribute values by iterative updating of the selection criteria. *Lecture Notes in Computer Science*, 847:62–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Woods:1994:LFM**

- [2420] K. Woods, D. Cook, L. Hall, and L. Stark. Learning fuzzy membership functions in a function-based object recognition system. *Lecture Notes in Computer Science*, 847:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Foong:1994:FSA**

- [2421] S. B. Foong and P. Z. Wang. A factor space approach to concept representation. *Lecture Notes in Computer Science*, 847:97–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kasabov:1994:CFP**

- [2422] N. K. Kasabov. Connectionist fuzzy production systems. *Lecture Notes in Computer Science*, 847:114–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krommer:1994:NIA**

- [2423] A. R. Krommer and C. W. Ueberhuber. Numerical integration on advanced computer systems. *Lecture Notes in Computer Science*, 848:xiii + 341, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hermann:1994:FMT**

- [2424] M. Hermann and W. Hoffmann. Fault modeling and test generation for FPGAs. *Lecture Notes in Computer Science*, 849:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeOliveiraDuarte:1994:TMA**

- [2425] R. De Oliveira Duarte and M. Nicolaidis. A test methodology applied to cellular logic programmable gate arrays. *Lecture Notes in Computer Science*, 849:11–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Servit:1994:ILS**

- [2426] M. Z. Servit and Z. Muzikar. Integrated layout synthesis for FPGAs. *Lecture Notes in Computer Science*, 849:23–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Robert:1994:ILB**

- [2427] M. Robert, L. Torres, F. Moraes, and D. Auvergne. Influence of logic block layout architecture on FPGA performance. *Lecture Notes in Computer Science*, 849:34–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haritaoglu:1994:GRH**

- [2428] I. Haritaoglu and C. Aykanat. A global routing heuristic for FPGAs based on mean field annealing. *Lecture Notes in Computer Science*, 849:45–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roy:1994:PDD**

- [2429] K. Roy and S. Prasad. Power dissipation driven FPGA place and route under delay constraints. *Lecture Notes in Computer Science*, 849:57–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Farrahi:1994:FTM**

- [2430] A. H. Farrahi and M. Sarrafzadeh. FPGA technology mapping for power minimization. *Lecture Notes in Computer Science*, 849:66–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brand:1994:SSC**

- [2431] H.-J. Brand, D. Mueller, and W. Rosenstiel. Specification and synthesis of complex arithmetic operators for FPGAs. *Lecture Notes in Computer Science*, 849:78–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Miyazaki:1994:STS**

- [2432] T. Miyazaki, H. Nakada, A. Tsutsui, and K. Yamada. A speed-up technique for synchronous circuits realized as LUT-based FPGAs. *Lecture Notes in Computer Science*, 849:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Naseer:1994:ETM**

- [2433] A. R. Naseer, M. Balakrishnan, and A. Kumar. An efficient technique for mapping RTL structures onto FPGAs. *Lecture Notes in Computer Science*, 849:99–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hamann:1994:TDM**

- [2434] V. Hamann. A testbench design method suitable for FPGA-Based prototyping of reactive systems. *Lecture Notes in Computer Science*, 849:111–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goldberg:1994:UCC**

- [2435] E. Goldberg and L. Krasilnikova. Using consensusless covers for fast operating on Boolean functions. *Lecture Notes in Computer Science*, 849:114–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bartos:1994:FVT**

- [2436] T. Bartos and N. Fristacky. Formal verification of timing rules in design specifications. *Lecture Notes in Computer Science*, 849:117–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hlawiczka:1994:OSS**

- [2437] A. Hlawiczka and J. Binda. Optimized synthesis of self-testable finite state machines (FSM) using BIST-PST structures in altera structures. *Lecture Notes in Computer Science*, 849:120–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lichtermann:1994:HSR**

- [2438] J. Lichtermann and G. Neustaedter. A high-speed rotation processor. *Lecture Notes in Computer Science*, 849:123–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gramata:1994:MMD**

- [2439] P. Gramata, P. Trebaticky, and E. Gramatova. The MD5 message-digest algorithm in the XILINX FPGA. *Lecture Notes in Computer Science*, 849:126–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fagin:1994:RPF**

- [2440] B. Fagin and P. Chintrakulchai. A reprogrammable processor for fractal image compression. *Lecture Notes in Computer Science*, 849:129–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jebelean:1994:IGS**

- [2441] T. Jebelean. Implementing GCD systolic arrays on FPGA. *Lecture Notes in Computer Science*, 849:132–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hughes:1994:FCT**

- [2442] R. B. Hughes and G. Musgrave. Formal CAD techniques for safety-critical FPGA design and deployment in embedded subsystems. *Lecture Notes in Computer Science*, 849:135–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saluvere:1994:DSS**

- [2443] T. Saluvere, D. Kerek, and H. Tenhunen. Direct sequence spread spectrum digital radio DSP prototyping using Xilinx FPGAs. *Lecture Notes in Computer Science*, 849:138–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nguyen:1994:FBR**

- [2444] R. Nguyen and P. Nguyen. FPGA based reconfigurable architecture for a compact vision system. *Lecture Notes in Computer Science*, 849:141–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hartenstein:1994:NFA**

- [2445] R. W. Hartenstein, R. Kress, and H. Reinig. A new FPGA architecture for word-oriented datapaths. *Lecture Notes in Computer Science*, 849:144–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Athanas:1994:IPC**

- [2446] P. M. Athanas and A. L. Abbott. Image processing on a custom computing platform. *Lecture Notes in Computer Science*, 849:156–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Iseli:1994:SRP**

- [2447] C. Iseli and E. Sanchez. A superscalar and reconfigurable processor. *Lecture Notes in Computer Science*, 849:168–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Salapura:1994:FFI**

- [2448] V. Salapura, M. Gschwind, and O. Maischberger. A fast FPGA implementation of a general purpose neuron. *Lecture Notes in Computer Science*, 849:175–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ast:1994:DPL**

- [2449] A. Ast, J. Becker, R. W. Hartenstein, and R. Kress. Data-procedural languages for FPL-Based machines. *Lecture Notes in Computer Science*, 849:183–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Daumas:1994:ILA**

- [2450] M. Daumas, J.-M. Muller, and J. Vuillemin. Implementing on line arithmetic on PAM. *Lecture Notes in Computer Science*, 849:196–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:SEW**

- [2451] X.-Y. Chen, X.-P. Ling, and H. Amano. Software environment for WASMII: a data driven machine with a virtual hardware. *Lecture Notes in Computer Science*, 849:208–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Newman:1994:CBH**

- [2452] M. Newman, W. Luk, and I. Page. Constraint-based hierarchical placement of parallel programs. *Lecture Notes in Computer Science*, 849:220–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Njoelstad:1994:ZZL**

- [2453] T. Njoelstad, J. Pihl, and J. Hofstad. ZAREPTA: A zero lead-time, all reconfigurable system for emulation, prototyping and testing of ASICs. *Lecture Notes in Computer Science*, 849:230–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wieler:1994:SSD**

- [2454] R. W. Wieler, Z. Zhang, and R. D. McLeod. Simulating static and dynamic faults in BIST structures with a FPGA based emulator. *Lecture Notes in Computer Science*, 849:240–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benner:1994:FBP**

- [2455] T. Benner, R. Ernst, I. Koenenkamp, and U. Holtmann. FPGA based prototyping for verification and evaluation in hardware-software cosynthesis. *Lecture Notes in Computer Science*, 849:251–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dollas:1994:FBL**

- [2456] A. Dollas, B. Ward, and J. D. S. Babcock. FPGA based low cost generic

reusable module for the rapid prototyping of subsystems. *Lecture Notes in Computer Science*, 849:259–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fawcett:1994:FDT**

- [2457] B. K. Fawcett and S. H. Kelem. FPGA development tools: Keeping pace with design complexity. *Lecture Notes in Computer Science*, 849:271–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kelem:1994:MBL**

- [2458] S. H. Kelem. Meaningful benchmarks for logic optimization of table-lookup FPGAs. *Lecture Notes in Computer Science*, 849:274–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lam:1994:EUf**

- [2459] D. Lam. Educational use of field programmable gate arrays. *Lecture Notes in Computer Science*, 849:277–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fawcett:1994:HRF**

- [2460] B. K. Fawcett, N. Sawyer, and T. Williams. HardWire: A risk-free FPGA-to-ASIC migration path. *Lecture Notes in Computer Science*, 849:280–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Toon:1994:RHP**

- [2461] N. Toon. Reconfigurable hardware from programmable logic devices. *Lecture Notes in Computer Science*, 849:

283-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Katona:1994:SLX**

- [2462] A. Katona and P. Szolgay. On some limits of XILINX based control logic implementations. *Lecture Notes in Computer Science*, 849:286-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cadek:1994:EUX**

- [2463] G. R. Cadek, P. C. Thorwartl, and G. P. Westphal. Experiences of using XBLOX for implementing a digital filter algorithm. *Lecture Notes in Computer Science*, 849:289-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Toon:1994:CIP**

- [2464] N. Toon. Continuous interconnect provides solution to density/performance trade-off in programmable logic. *Lecture Notes in Computer Science*, 849:292-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agrawal:1994:HDC**

- [2465] O. P. Agrawal. A high density complex PLD family optimized for flexibility, predictability and 100% routability. *Lecture Notes in Computer Science*, 849:295-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lysaght:1994:DEF**

- [2466] P. Lysaght, D. McConnell, and H. Dick. Design experience with fine-grained FPGAs. *Lecture Notes in Computer*

*Science*, 849:298-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leaver:1994:FRS**

- [2467] A. Leaver. FPGA routing structures from real circuits. *Lecture Notes in Computer Science*, 849:303-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klindworth:1994:TSS**

- [2468] A. Klindworth. A tool-set for simulating Altera-PLDs using VHDL. *Lecture Notes in Computer Science*, 849:306-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hallas:1994:CTD**

- [2469] J. A. Hallas, E. P. Mariatos, M. K. Birbas, and A. N. Birbas. A CAD tool for the development of an extra-fast fuzzy logic controller based on FPGAs and memory modules. *Lecture Notes in Computer Science*, 849:309-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cowen:1994:PCM**

- [2470] C. P. Cowen and S. Monaghan. Performance characteristics of the Monte-Carlo clustering processor (MCCP) — a field programmable logic based custom computing machine. *Lecture Notes in Computer Science*, 849:312-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**BoegelVom:1994:DEE**

- [2471] G. Boegel Vom, P. Nauber, and J. Winkler. A design environment

with emulation of prototypes for hardware/software systems using XILINX FPGA. *Lecture Notes in Computer Science*, 849:315–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Isoaho:1994:DDF**

- [2472] J. Isoaho, A. Jantsch, and H. Tenhunen. DSP development with full-speed prototyping based on HW/SW codesign techniques. *Lecture Notes in Computer Science*, 849:318–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Danecek:1994:AGP**

- [2473] J. Danecek, A. Pluhacek, and M. Z. Servit. The architecture of a general-purpose processor cell. *Lecture Notes in Computer Science*, 849:321–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gschwind:1994:DSB**

- [2474] M. Gschwind and C. Mautner. The design of a stack-based microprocessor. *Lecture Notes in Computer Science*, 849:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Akil:1994:IPE**

- [2475] M. Akil and M. Alves de Barros. Implementation and performance evaluation of an image pre-processing chain on FPGA. *Lecture Notes in Computer Science*, 849:332–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kalosha:1994:STP**

- [2476] E. P. Kalosha, V. N. Yarmolik, and M. G. Karpovsky. Signature testability of PLA. *Lecture Notes in Computer Science*, 849:335–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**MatBin:1994:FPP**

- [2477] I. Mat Bin and J. M. Noras. A FPL prototyping package with a C++ interface for the PC bus. *Lecture Notes in Computer Science*, 849:338–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rodriguez-Andina:1994:DSS**

- [2478] J. J. Rodriguez-Andina, J. Alvarez, and E. Mandado. Design of safety systems using field programmable gate arrays. *Lecture Notes in Computer Science*, 849:341–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Debize:1994:JDC**

- [2479] J. C. Debize and R. J. Glaise. A job dispatcher-collector made of FPGAs for a centralized voice server. *Lecture Notes in Computer Science*, 849:344–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Depreitere:1994:ODF**

- [2480] J. Depreitere, H. Neefs, H. Van Marck, and J. Van Campenhout. An optoelectronic 3-D field programmable gate array. *Lecture Notes in Computer Science*, 849:352–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Roy:1994:CAR**

- [2481] K. Roy and S. Nag. On channel architecture and routability for FPGAs under faulty conditions. *Lecture Notes in Computer Science*, 849:361–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Isshiki:1994:HPD**

- [2482] T. Isshiki and W. W.-M. Dai. High-performance datapath implementation on field-programmable multi-chip module (FPMCM). *Lecture Notes in Computer Science*, 849:373–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gehring:1994:LDD**

- [2483] S. Gehring, S. Ludwig, and N. Wirth. A laboratory for a digital design course using FPGAs. *Lecture Notes in Computer Science*, 849:385–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meyer-Base:1994:CRD**

- [2484] U. Meyer-Base, A. Meyer-Baese, and W. Hilberg. Coordinate rotation digital computer (CORDIC) synthesis for FPGA. *Lecture Notes in Computer Science*, 849:397–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kempa:1994:MMN**

- [2485] G. J. Kempa and P. Rieger. MARC: A Macintosh NUBUS-Expansion board based reconfigurable test system for validating communication systems. *Lecture Notes in Computer Science*, 849:409–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lysaght:1994:ANN**

- [2486] P. Lysaght, J. Stockwood, J. Law, and D. Girma. Artificial neural network implementation on a fine-grained FPGA. *Lecture Notes in Computer Science*, 849:421–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Palamidessi:1994:CCPb**

- [2487] C. Palamidessi. Concurrent constraint programming. *Lecture Notes in Computer Science*, 850:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Miller:1994:SUMb**

- [2488] D. Miller. Specifications using multiple-conclusion logic programs. *Lecture Notes in Computer Science*, 850:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paige:1994:VPTb**

- [2489] R. Paige. Viewing a program transformation system at work. *Lecture Notes in Computer Science*, 850:5–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Codish:1994:PIA**

- [2490] M. Codish and G. Mashevitzky. Proving implications by algebraic approximation. *Lecture Notes in Computer Science*, 850:6–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouhoula:1994:SCP**

- [2491] A. Bouhoula. Sufficient completeness and parameterized proofs by in-

duction. *Lecture Notes in Computer Science*, 850:23–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bidoit:1994:PBT**

- [2492] M. Bidoit and R. Hennicker. Proving behavioural theorems with standard first-order logic. *Lecture Notes in Computer Science*, 850:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Werner:1994:HRL**

- [2493] A. Werner, A. Bockmayr, and S. Krischer. How to realize LSE narrowing. *Lecture Notes in Computer Science*, 850:59–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alpuente:1994:CAE**

- [2494] M. Alpuente, M. Falaschi, and G. Vidal. Compositional analysis for equational Horn programs. *Lecture Notes in Computer Science*, 850:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Balbani:1994:ESP**

- [2495] P. Balbani. Equation solving in projective planes and planar ternary rings. *Lecture Notes in Computer Science*, 850:95–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bueno:1994:EAL**

- [2496] F. Bueno, M. Hermenegildo, U. Montanari, and F. Rossi. From eventual to atomic and locally atomic CC programs: A concurrent semantics. *Lecture Notes in Computer Science*, 850:

114–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Volpe:1994:CLP**

- [2497] P. Volpe. Concurrent logic programming as uniform linear proofs. *Lecture Notes in Computer Science*, 850:133–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Teusink:1994:TVC**

- [2498] F. Teusink. Three-valued completion for abductive logic programs. *Lecture Notes in Computer Science*, 850:150–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Antoy:1994:SRS**

- [2499] S. Antoy and A. Middeldorp. A sequential reduction strategy. *Lecture Notes in Computer Science*, 850:168–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gramlich:1994:MTC**

- [2500] B. Gramlich. On modularity of termination and confluence properties of conditional rewrite systems. *Lecture Notes in Computer Science*, 850:186–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferreira:1994:SAT**

- [2501] M. C. F. Ferreira and H. Zantema. Syntactical analysis of total termination. *Lecture Notes in Computer Science*, 850:204–??, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marchiori:1994:LPT**

- [2502] M. Marchiori. Logic programs as term rewriting systems. *Lecture Notes in Computer Science*, 850:223–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jones:1994:HOM**

- [2503] N. D. Jones and M. Rosendahl. Higher-order minimal function graphs. *Lecture Notes in Computer Science*, 850:242–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kesner:1994:RAL**

- [2504] D. Kesner. Reasoning about layered, wildcard and product patterns. *Lecture Notes in Computer Science*, 850:253–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bossi:1994:PUT**

- [2505] A. Bossi and N. Cocco. Preserving universal termination through unfold/fold. *Lecture Notes in Computer Science*, 850:269–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marchiori:1994:LVA**

- [2506] E. Marchiori. A logic for variable aliasing in logic programs. *Lecture Notes in Computer Science*, 850:287–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dickerson:1994:SIS**

- [2507] K. R. Dickerson and J. P. Chester. Standards for integrated services and networks. *Lecture Notes in Computer Science*, 851:5–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haallstrand:1994:IRS**

- [2508] J. Haallstrand and D. Martin. Industrial requirements on a service creation environment. *Lecture Notes in Computer Science*, 851:17–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keane:1994:DSS**

- [2509] D. Keane, C. Treanor, C. Licciardi, and T. Mota. Defining and structuring service requirements on the IN in order to evaluate IN architecture initiatives. *Lecture Notes in Computer Science*, 851:27–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**MacanAirchinnigh:1994:SEV**

- [2510] M. Mac an Airchinnigh and H.-J. Kugler. Service engineering versus software engineering — A foundation study. *Lecture Notes in Computer Science*, 851:39–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hine:1994:IAP**

- [2511] N. A. Hine, W. Beattie, I. A. S. Gordon, and J. L. Arnott. Integration of adaptations for people with special needs. *Lecture Notes in Computer Science*, 851:51–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Androutsopoulos:1994:SPI**

- [2512] D. Androutsopoulos, P. Kaijser, S. Katsikas, and K. Presttun. Surveillance and protection in IBC management: The applicability of two RACE security projects — SecureNet II and SESAME. *Lecture Notes in Computer Science*, 851:61–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Condon:1994:MLS**

- [2513] C. Condon and S. Keuneke. Metaphors and layers of signification: The consequences for advanced user service interfaces. *Lecture Notes in Computer Science*, 851:75–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abramovici:1994:GUI**

- [2514] M. Abramovici and N. Klussmann. Graphical user interface style guide for mobile communication services. *Lecture Notes in Computer Science*, 851:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boecker:1994:AVS**

- [2515] M. Boecker, K. Hopf, and D. Runde. Advanced videocommunications with stereoscopy and individual perspectives. *Lecture Notes in Computer Science*, 851:99–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haake:1994:HAD**

- [2516] J. M. Haake, J. Hannemann, and M. Thuring. Hypermedia applications for distance education and train-

ing. *Lecture Notes in Computer Science*, 851:109–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jakobs:1994:FCN**

- [2517] K. Jakobs. Future communication networks — what (public) service providers should provide. *Lecture Notes in Computer Science*, 851:123–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Braux:1994:MSP**

- [2518] H. Braux, J. Dreteler, M. Grasdijk, and J.-L. Le Bail. Modelling services in the portfolio from a service provisioning perspective. *Lecture Notes in Computer Science*, 851:133–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bisseling:1994:EPC**

- [2519] H. Bisseling, J. Den Hartog, and B. Schrijver. Enhanced IN for personal communications. *Lecture Notes in Computer Science*, 851:145–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:CTT**

- [2520] H. Li. A component theory for telecommunication architectures. *Lecture Notes in Computer Science*, 851:157–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haallstrand:1994:BDS**

- [2521] J. Haallstrand, M. M. Marques, and L. Ponten. Building dedicated service creation environments for reuse

based production. *Lecture Notes in Computer Science*, 851:169–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carvalho:1994:MON**

- [2522] A. Carvalho, F. De Carvalho, and G. Pavlou. Management of optical networks: SNMP agents enabling TMN. *Lecture Notes in Computer Science*, 851:181–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bjerring:1994:RID**

- [2523] L. H. Bjerring and M. Tschichholz. Requirements of inter-domain management and their implications for TMN architecture and implementation. *Lecture Notes in Computer Science*, 851:193–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Donnelly:1994:SRT**

- [2524] W. Donnelly and S. O’Connell. Security requirements of the TMN X-interface within end-to-end service management of virtual private networks. *Lecture Notes in Computer Science*, 851:207–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carr:1994:HLA**

- [2525] A. Carr, G. Pavlou, and T. Tin. High-level access APIs in the OS-IMIS TMN platform: Harnessing and hiding. *Lecture Notes in Computer Science*, 851:219–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clarke:1994:URA**

- [2526] A. M. Clarke and S. M. Pomfrett. User requirements for advanced communication services. *Lecture Notes in Computer Science*, 851:235–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Niebert:1994:PCW**

- [2527] N. Niebert and E. Geulen. Personal communications — what is beyond radio? *Lecture Notes in Computer Science*, 851:247–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Davison:1994:SPM**

- [2528] R. Davison and P. O’Brien. Service provisioning in a multi-provider environment. *Lecture Notes in Computer Science*, 851:259–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DelaFuente:1994:ATC**

- [2529] L. A. De la Fuente, J. Pavon, and N. Singer. Application of TINA-C architecture to management services. *Lecture Notes in Computer Science*, 851:273–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beires:1994:EAT**

- [2530] N. Beires, T. Magedanz, and M. Kockelmans. An evolutionary approach for TMN management of IN services. *Lecture Notes in Computer Science*, 851:285–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeCaluwe:1994:UTA**

- [2531] I. De Caluwe, P. Leever, and J. Wester. The use of TMN as an architectural framework for value added services management. *Lecture Notes in Computer Science*, 851:295–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bjerring:1994:EES**

- [2532] L. H. Bjerring and J. M. Schneider. End-to-end service management with multiple providers. *Lecture Notes in Computer Science*, 851:305–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jonsson:1994:PCN**

- [2533] U. Jonsson and S. Kleier. Personal communication — network aspects and implementations. *Lecture Notes in Computer Science*, 851:321–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mudhar:1994:SCE**

- [2534] P. Mudhar. A service creation environment for a future intelligent network. *Lecture Notes in Computer Science*, 851:333–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prevedourou:1994:PSW**

- [2535] D. Prevedourou, G. D. Stamoulis, I. Toennby, and T. An. Providing services in a world of IBC resources: An architectural approach. *Lecture Notes in Computer Science*, 851:343–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berndt:1994:SSC**

- [2536] H. Berndt, P. Graubmann, and M. Wakano. Service specification concepts in TINA-C. *Lecture Notes in Computer Science*, 851:355–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carvalho:1994:ADT**

- [2537] P. Carvalho, M. Mesquita, L. Da Silva, and F. Roque. Application of distributed techniques to the modelling of IN architectures and support of service execution. *Lecture Notes in Computer Science*, 851:367–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lacoste:1994:DTP**

- [2538] G. Lacoste. Distributed transaction processing in the IBC. *Lecture Notes in Computer Science*, 851:377–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouma:1994:FPF**

- [2539] W. Bouma, W. Levelt, A. Melisse, and K. Middelburg. Formalisation of properties for feature interaction detection: Experience in a real-life situation. *Lecture Notes in Computer Science*, 851:393–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nielsen:1994:DTM**

- [2540] P. S. Nielsen and B. Loenvig. Development of telecommunications management systems using OO methods and CASE tool support. *Lecture Notes in Computer Science*, 851:407–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Newcombe:1994:DSS**

- [2541] A. Newcombe, D. D. Botvitch, F. Lodge, and T. Curran. A decision support system for assurance of quality of service in intelligent network service provisioning. *Lecture Notes in Computer Science*, 851:419–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keller:1994:FDO**

- [2542] J. Keller and O. Dubuisson. Formal description of OSI management information structure as a prerequisite for formal specifications of TMN interfaces. *Lecture Notes in Computer Science*, 851:433–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lioupas:1994:SPT**

- [2543] Z. Lioupas, Y. Manolossos, and M. Theologou. Structuring principles for total quality management in IBCN. *Lecture Notes in Computer Science*, 851:445–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Doyle:1994:SRD**

- [2544] D. C. Doyle and D. S. Cochrane. Service/resource discovery and allocation. *Lecture Notes in Computer Science*, 851:455–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Strick:1994:SPE**

- [2545] L. Strick and J. Meinkoehn. Specifying Pan-European management systems. *Lecture Notes in Computer Science*, 851:467–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dahle:1994:CMU**

- [2546] E. Dahle and P. L. Giganti. Computational modelling — UPT split charging management case. *Lecture Notes in Computer Science*, 851:479–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oelnes:1994:SUM**

- [2547] J. Oelnes, P. Spilling, and A. Berquist. Security in use and management of VPN — a banking scenario. *Lecture Notes in Computer Science*, 851:493–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baum-Waidner:1994:SSM**

- [2548] B. Baum-Waidner, H. Bunz, and C. Capellaro. SAMSON, security management in a health care scenario. *Lecture Notes in Computer Science*, 851:503–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maillot:1994:SSS**

- [2549] D. Maillot, J. Oelnes, and P. Spilling. IN service security and service management security and their relationships — using UPT as a case study. *Lecture Notes in Computer Science*, 851:513–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bruno:1994:SDV**

- [2550] G. Bruno, F. Lucidi, J. Insulander, and U. Larsson. A service-driven vision of integrated broadband communications:

the OSA approach. *Lecture Notes in Computer Science*, 851:529–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Redlich:1994:CFS**

- [2551] J.-P. Redlich and D. Balfanz. Concepts for a flexible service architecture. *Lecture Notes in Computer Science*, 851:539–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sullivan:1994:CPO**

- [2552] D. Sullivan and P. McLaughlin. A comparison of the PRISM and OMNI-Point methodologies for the specification of management systems. *Lecture Notes in Computer Science*, 851:553–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**MacanAirchinnigh:1994:FMS**

- [2553] M. M. Mac an Airchinnigh, G. O’Regan, and D. Belsnes. Formal methods and service specification. *Lecture Notes in Computer Science*, 851:563–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hiltunen:1994:MAF**

- [2554] M. A. Hiltunen and R. D. Schlichting. A model for adaptive fault-tolerant systems. *Lecture Notes in Computer Science*, 852:3–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fabre:1994:DSR**

- [2555] J.-C. Fabre, Y. Deswartes, and B. Randell. Designing secure and reliable applications using fragmentation-redundancy-scattering: An object-

oriented approach. *Lecture Notes in Computer Science*, 852:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Silva:1994:FTM**

- [2556] J. G. Silva, L. M. Silva, H. Madeira, and J. Bernardino. A fault-tolerant mechanism for simple controllers. *Lecture Notes in Computer Science*, 852:39–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bernardeschi:1994:FRF**

- [2557] C. Bernardeschi, A. Fantechi, and L. Simoncini. Formal reasoning on fault coverage of fault tolerant techniques. *Lecture Notes in Computer Science*, 852:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chiaradonna:1994:PME**

- [2558] S. Chiaradonna, A. Bondavalli, and L. Strigini. On performability modeling and evaluation of software fault tolerance structures. *Lecture Notes in Computer Science*, 852:97–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Antonelli:1994:ODF**

- [2559] C. Antonelli and V. Grassi. Optimal design of fault-tolerant soft-real-time systems with imprecise computations. *Lecture Notes in Computer Science*, 852:115–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Bobbio:1994:CRS**

- [2560] A. Bobbio and M. Telek. Computational restrictions for SPN with generally distributed transition times. *Lecture Notes in Computer Science*, 852:131–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ubar:1994:TGD**

- [2561] R. Ubar. Test generation for digital systems based on alternative graphs. *Lecture Notes in Computer Science*, 852:151–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Renovell:1994:CRM**

- [2562] M. Renovell, P. Huc, and Y. Bertrand. The configuration ratio: A model for simulating CMOS intra-gate bridge with variable logic thresholds. *Lecture Notes in Computer Science*, 852:165–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krasniewski:1994:CDF**

- [2563] A. Krasniewski and L. B. Wronski. Coverage of delay faults: When 13% and 99% mean the same. *Lecture Notes in Computer Science*, 852:178–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Madeira:1994:RGP**

- [2564] H. Madeira, M. Rela, F. Moreira, and J. G. Silva. RIFLE: A general purpose pin-level fault injector. *Lecture Notes in Computer Science*, 852:199–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Johansson:1994:SEU**

- [2565] R. Johansson. On single event upset error manifestation. *Lecture Notes in Computer Science*, 852:217–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhu:1994:IFE**

- [2566] H. Zhu, P. A. V. Hall, J. H. R. May, and T. Cockram. Injecting faults into environment simulators for testing safety critical software. *Lecture Notes in Computer Science*, 852:235–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thevenod-Fosse:1994:SST**

- [2567] P. Thevenod-Fosse, C. Mazuet, and Y. Crouzet. On statistical structural testing of synchronous data flow programs. *Lecture Notes in Computer Science*, 852:250–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Masseboeuf:1994:HTA**

- [2568] G. Masseboeuf, J. Pulou, and J. L. Rainard. Hierarchical test analysis of VLSI circuits for random BIST. *Lecture Notes in Computer Science*, 852:271–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boehlau:1994:ZAC**

- [2569] P. Boehlau. Zero aliasing compression based on groups of weakly independent outputs in circuits with high complexity for two fault models. *Lecture Notes in Computer Science*, 852:

289–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lovric:1994:SDD**

- [2570] T. Lovric. Systematic and design diversity — software techniques for hardware fault detection. *Lecture Notes in Computer Science*, 852:309–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gerber:1994:DPH**

- [2571] S. Gerber and M. Goessel. Detection of permanent hardware faults of a floating point adder by pseudoduplication. *Lecture Notes in Computer Science*, 852:327–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Watanabe:1994:MML**

- [2572] A. Watanabe and K. Sakamura. MLDD (multi-layered design diversity) architecture for achieving high design fault tolerance capabilities. *Lecture Notes in Computer Science*, 852:336–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bieker:1994:RCM**

- [2573] B. Bieker, E. Maehle, G. Deconinck, and J. Vounckx. Reconfiguration and checkpointing in massively parallel systems. *Lecture Notes in Computer Science*, 852:353–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Altmann:1994:AHS**

- [2574] J. Altmann, F. Balbach, and A. Hein. An approach for hierarchical system level diagnosis of massively parallel

computers combined with a simulation-based method for dependability analysis. *Lecture Notes in Computer Science*, 852:371–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Majzik:1994:HCM**

- [2575] I. Majzik, A. Pataricza, M. Dal Cin, and W. Hohl. Hierarchical checking of multiprocessors using watchdog processors. *Lecture Notes in Computer Science*, 852:386–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Laprie:1994:DCF**

- [2576] J.-C. Laprie. Dependability: The challenge for the future of computing and communication technologies. *Lecture Notes in Computer Science*, 852:407–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Randell:1994:SLS**

- [2577] B. Randell. Some lessons from the SW2000 workshop. *Lecture Notes in Computer Science*, 852:414–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schmitter:1994:DCI**

- [2578] E. Schmitter. Dependable computing and its industrial use. *Lecture Notes in Computer Science*, 852:417–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:ERP**

- [2579] Y.-Y. Chen, C.-H. Cheng, and Y.-C. Chou. An effective reconfiguration process for fault-tolerant VLSI/WSI array

processors. *Lecture Notes in Computer Science*, 852:421–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tahir:1994:CED**

- [2580] J. M. Tahir, S. S. Dlay, R. N. Gorgui-Naguib, and O. R. Hinton. Concurrent error detection in fast FNT networks. *Lecture Notes in Computer Science*, 852:439–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**LaForge:1994:FRQ**

- [2581] L. E. LaForge. Feasible regions quantify the configuration power of arrays with multiple fault types. *Lecture Notes in Computer Science*, 852:453–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaaniche:1994:SRA**

- [2582] M. Kaaniche, K. Kanoun, M. Cukier, and M. Bastos Martini. Software reliability analysis of three successive generations of a switching system. *Lecture Notes in Computer Science*, 852:473–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muller:1994:PCC**

- [2583] G. Muller, M. Hue, and N. Peyrouze. Performance of consistent checkpointing in a modular operating system: Results of the FTM experiment. *Lecture Notes in Computer Science*, 852:491–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Park:1994:RBN**

- [2584] J.-H. Park, H.-K. Lee, and J.-H. Cho. Ring-banyan network: A fault tolerant multistage interconnection network and its fault diagnosis. *Lecture Notes in Computer Science*, 852:511–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Avresky:1994:RFH**

- [2585] D. R. Avresky and K. M. Al-Tawil. Reconfiguration of faulty hypercubes. *Lecture Notes in Computer Science*, 852:529–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yang:1994:FTB**

- [2586] C.-S. Yang and S.-Y. Wu. Fault-tolerance on Boolean  $n$ -cube architectures. *Lecture Notes in Computer Science*, 852:546–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leu:1994:RSF**

- [2587] M. Leu. Relative signatures for fault tolerance and their implementation. *Lecture Notes in Computer Science*, 852:563–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Folliot:1994:GFT**

- [2588] B. Folliot and P. Sens. GATOSTAR: A fault tolerant load sharing facility for parallel applications. *Lecture Notes in Computer Science*, 852:581–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanderStok:1994:HMP**

- [2589] P. D. V. Van der Stok, M. M. M. P. J. Claessen, and D. Alstein. A hierarchical membership protocol for synchronous distributed systems. *Lecture Notes in Computer Science*, 852:599–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Karamcheti:1994:DFR**

- [2590] V. Karamcheti and A. A. Chien. Do faster routers imply faster communication? *Lecture Notes in Computer Science*, 853:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Becker:1994:FAD**

- [2591] M. E. Becker and T. F. Knight. Fast arbitration in dilated routers. *Lecture Notes in Computer Science*, 853:16–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nguyen:1994:PAM**

- [2592] Thu Duc Nguyen and L. Snyder. Performance analysis of a minimal adaptive router. *Lecture Notes in Computer Science*, 853:31–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Duato:1994:PEA**

- [2593] J. Duato and P. Lopez. Performance evaluation of adaptive routing algorithms for  $k$ -ary  $n$ -cubes. *Lecture Notes in Computer Science*, 853:45–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chinn:1994:PAR**

- [2594] D. D. Chinn. The performance of adaptive routers on worst case permutations. *Lecture Notes in Computer Science*, 853:60–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Konstantinidou:1994:EQS**

- [2595] S. Konstantinidou. On the effect of queues sizes and channel scheduling policies in the segment router. *Lecture Notes in Computer Science*, 853:72–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wills:1994:OCO**

- [2596] D. Scott Wills, W. Stephen Lacy, and J. Cruz-Rivera. The offset cube: An optoelectronic interconnection network. *Lecture Notes in Computer Science*, 853:86–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nguyen:1994:TDN**

- [2597] J. Nguyen, J. Pezaris, G. Pratt, and S. Ward. Three-dimensional network topologies. *Lecture Notes in Computer Science*, 853:101–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rexford:1994:SMC**

- [2598] J. Rexford and K. G. Shin. Support for multiple classes of traffic in multicomputer routers. *Lecture Notes in Computer Science*, 853:116–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Panda:1994:MMP**

- [2599] D. K. Panda, S. Singal, and P. Prabhakaran. Multidestination message passing mechanism conforming to base wormhole routing scheme. *Lecture Notes in Computer Science*, 853:131–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chiang:1994:MAE**

- [2600] C.-M. Chiang and L. M. Ni. Multi-address encoding for multicast. *Lecture Notes in Computer Science*, 853:146–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abali:1994:RAI**

- [2601] B. Abali and C. Aykanat. Routing algorithms for IBM SP1. *Lecture Notes in Computer Science*, 853:161–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Heller:1994:CFR**

- [2602] S. Heller. Congestion-free routing on the CM-5 data router. *Lecture Notes in Computer Science*, 853:176–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nesson:1994:RRC**

- [2603] T. Nesson and L. Johnsson. ROMM routing: A class of efficient minimal routing algorithms. *Lecture Notes in Computer Science*, 853:185–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chong:1994:PMH**

- [2604] F. T. Chong, E. A. Brewer, F. T. Leighton, and T. F. Knight. Packaging and multiplexing of hierarchical scalable expanders. *Lecture Notes in Computer Science*, 853:200–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eslick:1994:GIT**

- [2605] I. Eslick, A. DeHon, and T. Knight. Guaranteeing idempotence for tightly-coupled, fault-tolerant networks. *Lecture Notes in Computer Science*, 853:215–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bolding:1994:DRF**

- [2606] K. Bolding and W. Yost. Design of a router for fault-tolerant networks. *Lecture Notes in Computer Science*, 853:226–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dally:1994:RRR**

- [2607] W. J. Dally, L. R. Dennison, D. Harris, and K. Kan. The reliable router: A reliable and high-performance communication substrate for parallel computers. *Lecture Notes in Computer Science*, 853:241–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dubnicki:1994:NIS**

- [2608] C. Dubnicki, K. Li, and M. Mesarina. Network interface support for user-level buffer management. *Lecture Notes in Computer Science*, 853:256–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McKenzie:1994:CIM**

- [2609] N. R. McKenzie, K. Bolding, C. Ebeling, and L. Snyder. CRANIUM: An interface for message passing on adaptive packet routing networks. *Lecture Notes in Computer Science*, 853:266–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Scott:1994:ORC**

- [2610] S. Scott and G. Thorson. Optimized routing in the Cray T3D. *Lecture Notes in Computer Science*, 853:281–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Davis:1994:RDA**

- [2611] A. Davis, R. Hodgson, I. Robinson, and L. Cherkasova. R2: A damped adaptive router design. *Lecture Notes in Computer Science*, 853:295–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boughton:1994:ARC**

- [2612] G. A. Boughton. Arctic routing chip. *Lecture Notes in Computer Science*, 853:310–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hwang:1994:SPM**

- [2613] K. Hwang. Scalability and programmability of massively parallel processors. *Lecture Notes in Computer Science*, 854:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Foster:1994:LCR**

- [2614] I. Foster and C. Kesselman. Language constructs and runtime systems for compositional parallel programming. *Lecture Notes in Computer Science*, 854:5–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lam:1994:LOP**

- [2615] M. S. Lam. Locality optimizations for parallel machines. *Lecture Notes in Computer Science*, 854:17–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mohr:1994:TPP**

- [2616] B. Mohr, D. Brown, and A. Malony. TAU: A portable parallel program analysis environment for pC++. *Lecture Notes in Computer Science*, 854:29–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wabnig:1994:CPB**

- [2617] H. Wabnig, G. Haring, D. Kranzmueller, and J. Volkert. Communication pattern based performance prediction on the nCUBE 2 multiprocessor system. *Lecture Notes in Computer Science*, 854:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferscha:1994:POD**

- [2618] A. Ferscha and J. Johnson. Performance oriented development of SPMD programs based on task structure specifications. *Lecture Notes in Computer Science*, 854:53–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grabner:1994:MDB**

- [2619] S. Grabner and D. Kranzlmüller. Monitoring for detecting bugs and blocking communication. *Lecture Notes in Computer Science*, 854:66–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Levrouw:1994:MLS**

- [2620] L. J. Levrouw and K. M. R. Audenaert. Minimizing the log size for execution replay of shared-memory programs. *Lecture Notes in Computer Science*, 854:76–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kastner:1994:GMS**

- [2621] W. Kastner, S. Stoeckler, and R. Zeitlberger. GOLD MINE: Specification language for event-based monitoring. *Lecture Notes in Computer Science*, 854:88–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouge:1994:EWP**

- [2622] L. Bouge, Y. Le Guyadec, G. Uiard, and B. Virot. On the expressivity of a weakest precondition calculus for a simple data-parallel programming language. *Lecture Notes in Computer Science*, 854:100–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Violard:1994:RP**

- [2623] E. Violard and G.-R. Perrin. Reduction in PEI. *Lecture Notes in Computer Science*, 854:112–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arvind:1994:TSA**

- [2624] D. K. Arvind and B. R. J. McConnell. Towards the synthesis of asynchronous concurrent programs. *Lecture Notes in Computer Science*, 854:124–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Geerling:1994:FDS**

- [2625] A. M. Geerling. Formal derivation of SIMD parallelism from non-linear recursive specifications. *Lecture Notes in Computer Science*, 854:136–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fitzpatrick:1994:DEP**

- [2626] S. Fitzpatrick, T. J. Harmer, and J. M. Boyle. Deriving efficient parallel implementations of algorithms operating on general sparse matrices using automatic program transformation. *Lecture Notes in Computer Science*, 854:148–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kindermann:1994:FPA**

- [2627] S. Kindermann. Flexible program and architecture specification for massively parallel systems. *Lecture Notes in Computer Science*, 854:160–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sedukhin:1994:SAS**

- [2628] S. G. Sedukhin and I. S. Sedukhin. Systematic approach and software tool for systolic design. *Lecture Notes in Computer Science*, 854:172–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lau:1994:AAD**

- [2629] L. Lau, M. Rezny, J. Belward, and K. Burrage. ADVISE — agricultural developmental visualisation interactive software environment. *Lecture Notes in Computer Science*, 854:184–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Detert:1994:TTS**

- [2630] U. Detert and M. Gerndt. TOP02 tool suite for the development and testing of parallel applications. *Lecture Notes in Computer Science*, 854:196–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amor:1994:VRR**

- [2631] M. Amor, M. J. Martin, D. Blanco, and O. G. Plata. Vectorization of the radix  $r$  self-sorting FFT. *Lecture Notes in Computer Science*, 854:208–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clint:1994:EGS**

- [2632] M. Clint, J. S. Weston, and J. B. Flannagan. Efficient Gram–Schmidt orthogonalisation on an array processor. *Lecture Notes in Computer Science*, 854:218–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stojcev:1994:PAI**

- [2633] M. K. Stojcev, E. I. Milovanovic, M. D. Mihajlovic, and I. Z. Milovanovic. Parallel algorithm for inverting tridiagonal matrix on linear processor array. *Lecture Notes in Computer Science*, 854:229–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jebelean:1994:SAL**

- [2634] T. Jebelean. Systolic algorithms for long integer GCD computation. *Lecture Notes in Computer Science*, 854:241–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DiMartino:1994:PNS**

- [2635] B. Di Martino and G. Iannello. Parallelization of non-simultaneous iterative methods for systems of linear equations. *Lecture Notes in Computer Science*, 854:253–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rauber:1994:HIP**

- [2636] T. Rauber and G. Ruenger. Hypercube implementation and performance analysis for extrapolation models. *Lecture Notes in Computer Science*, 854:265–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zimmermann:1994:AMI**

- [2637] W. Zimmermann and W. Loewe. An approach to machine-independent parallel programming. *Lecture Notes in Computer Science*, 854:277–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prestwich:1994:LPP**

- [2638] S. Prestwich. On logic program parallelisation strategies. *Lecture Notes in Computer Science*, 854:289–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Akl:1994:PAS**

- [2639] S. G. Akl and L. F. Lindon. Paradigms admitting superunitary behaviour in parallel computation. *Lecture Notes in Computer Science*, 854:301–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Limongelli:1994:ESL**

- [2640] C. Limongelli and R. Pirastu. Exact solution of linear systems over rational numbers by parallel  $p$ -adic arithmetic. *Lecture Notes in Computer Science*, 854:313–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hong:1994:PCM**

- [2641] H. Hong and H. W. Loidl. Parallel computation of modular multivariate polynomial resultants on a shared memory machine. *Lecture Notes in Computer Science*, 854:325–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tanaka:1994:PMG**

- [2642] Y. Tanaka, S. Matsui, A. Maeda, and M. Nakanishi. Partial marking GC. *Lecture Notes in Computer Science*, 854:337–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nikolovoulos:1994:PRL**

- [2643] S. D. Nikolovoulos. Parallel recognition and location algorithms for chordal graphs using distance matrices. *Lecture Notes in Computer Science*, 854:349–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dion:1994:CTP**

- [2644] M. Dion, M. Gengler, and S. Ubeda. Comparing two probabilistic models of the computational complexity of the branch and bound algorithm. *Lecture Notes in Computer Science*, 854:359–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:PHC**

- [2645] J. Chen. Parallel heap construction using multiple selection. *Lecture Notes in Computer Science*, 854:371–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gorton:1994:EHQ**

- [2646] I. Gorton, T. S. Chan, and I. Jelly. Engineering high quality parallel software using PARSE. *Lecture Notes in Computer Science*, 854:381–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Spalt:1994:MPV**

- [2647] A. Spalt, E. Spiegl, and T. Meikl. Massively parallel volume rendering. *Lecture Notes in Computer Science*, 854:393–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stuerzlinger:1994:PVC**

- [2648] W. Stuerzlinger and C. Wild. Parallel visibility computations for parallel radiosity. *Lecture Notes in Computer Science*, 854:405–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Valero:1994:MAS**

- [2649] M. Valero, M. Peiron, and E. Ayguade. Memory access synchronization in vector multiprocessors. *Lecture Notes in Computer Science*, 854:414–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yousif:1994:SCD**

- [2650] M. S. Yousif and C. R. Das. A switch cache design for MIN-Based shared-memory multiprocessors. *Lecture Notes in Computer Science*, 854:426–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kattner:1994:MCC**

- [2651] R. Kattner, M. Eger, and C. Mueller-Schloer. Modeling cache coherence overhead with geometric objects. *Lecture Notes in Computer Science*, 854:438–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Luepke:1994:AAS**

- [2652] S. Luepke. Accelerated access to shared distributed arrays on distributed memory systems by access objects. *Lecture Notes in Computer Science*, 854:449–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berrendorf:1994:CSV**

- [2653] R. Berrendorf, M. Gerndt, Z. Lahjomri, and T. Priol. A comparison of shared virtual memory and message passing programming techniques based on a finite element application. *Lecture*

*Notes in Computer Science*, 854:461–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dohmen:1994:CBM**

- [2654] R. Dohmen. Comparison between a message passing and a global shared memory parallel computer by means of a concrete Monte-Carlo algorithm. *Lecture Notes in Computer Science*, 854:473–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Milikowski:1994:NHP**

- [2655] R. Milikowski and W. G. Vree. Non-homogeneous parallel memory operations in a VLIW machine. *Lecture Notes in Computer Science*, 854:485–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buelck:1994:EIC**

- [2656] T. Buelck, A. Held, W. Kluge, and S. Pantke. Experience with the implementation of a concurrent graph reduction system on an nCube/2 platform. *Lecture Notes in Computer Science*, 854:497–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lincoln:1994:RRM**

- [2657] P. Lincoln, J. Meseguer, and L. Ricciulli. The rewrite rule machine node architecture and its performance. *Lecture Notes in Computer Science*, 854:509–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hammond:1994:ASS**

- [2658] K. Hammond, J. Mattson, and S. L. Peyton Jones. Automatic spark strategies and granularity for a parallel functional language reducer. *Lecture Notes in Computer Science*, 854:521–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schreiner:1994:VTP**

- [2659] W. Schreiner. Virtual tasks for the PACLIB kernel. *Lecture Notes in Computer Science*, 854:533–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**LeGall:1994:MMP**

- [2660] J.-Y. Le Gall and F. Simon. MUSE: a message passing concurrent computer for on-board space systems. *Lecture Notes in Computer Science*, 854:545–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hogg:1994:STC**

- [2661] R. S. Hogg, D. W. Lloyd, and W. I. Hughes. Self-timed communication strategies for massively parallel systolic architectures. *Lecture Notes in Computer Science*, 854:557–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Feng:1994:DLT**

- [2662] M. D. Feng, Y. Q. Gao, and C. K. Yuen. Distributed Linda tuplespace algorithms and implementations. *Lecture Notes in Computer Science*, 854:581–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bailey:1994:SCF**

- [2663] P. Bailey, M. Newey, D. Sitsky, and R. Stanton. Supporting coarse and fine grain parallelism in an extension of ML. *Lecture Notes in Computer Science*, 854:593–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Calvin:1994:TMC**

- [2664] C. Calvin, L. Colombet, F. Desprez, and B. Jargot. Towards mixed computation/communication in parallel scientific libraries. *Lecture Notes in Computer Science*, 854:605–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bagley:1994:CFU**

- [2665] R. A. Bagley, P. A. Wilsey, and N. B. Abu-Ghazaleh. Composing functional unit blocks for efficient interpretation of MIMD code sequences on SIMD processors. *Lecture Notes in Computer Science*, 854:616–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Llosa:1994:USO**

- [2666] J. Llosa, M. Valero, J. A. B. Fortes, and E. Ayguade. Using sacks to organize registers in VLIW machines. *Lecture Notes in Computer Science*, 854:628–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Govindarajan:1994:FRC**

- [2667] R. Govindarajan, E. R. Altman, and G. R. Gao. A framework for resource-constrained rate-optimal software pipelining. *Lecture Notes in*

*Computer Science*, 854:640–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berthou:1994:DMP**

- [2668] J.-Y. Berthou. Design of a meta-parallelizer for large scientific applications. *Lecture Notes in Computer Science*, 854:652–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chapman:1994:SAM**

- [2669] B. Chapman, P. Mehrotra, J. V. Rosendale, and H. Zima. A software architecture for multidisciplinary applications: Integrating task and data parallelism. *Lecture Notes in Computer Science*, 854:664–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Griehl:1994:SST**

- [2670] M. Griehl and C. Lengauer. On scanning space-time mapped while loops. *Lecture Notes in Computer Science*, 854:677–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Werth:1994:OCU**

- [2671] M. R. Werth and P. Feautrier. Optimizing communications by using compile time analysis. *Lecture Notes in Computer Science*, 854:689–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andonov:1994:OTS**

- [2672] R. Andonov and S. Rajopadhye. Optimal tile sizing. *Lecture Notes in Computer Science*, 854:701–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouchitte:1994:EAE**

- [2673] V. Bouchitte, P. Boulet, A. Darte, and Y. Robert. Evaluating array expressions on massively parallel machines with communication/computation overlap. *Lecture Notes in Computer Science*, 854:713–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johnson:1994:UIS**

- [2674] S. P. Johnson, C. S. Ierotheou, M. Cross, and P. F. Leggett. User interaction and symbolic extensions to dependence analysis. *Lecture Notes in Computer Science*, 854:725–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maslov:1994:SPC**

- [2675] V. Maslov and W. Pugh. Simplifying polynomial constraints over integers to make dependence analysis more precise. *Lecture Notes in Computer Science*, 854:737–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oehring:1994:AOC**

- [2676] S. R. Oehring, S. K. Das, and D. H. Hohndel. Asymptotically optimal communication algorithms on faulty folded Petersen networks. *Lecture Notes in Computer Science*, 854:749–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Trobec:1994:ODE**

- [2677] R. Trobec and I. Jerebic. Optimization of diagnostic examination. *Lec-*

ture Notes in Computer Science, 854:761–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:LMN**

- [2678] G. Chen and F. C. M. Lau. Laying out midimew networks with constant dilation. *Lecture Notes in Computer Science*, 854:773–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fraigniaud:1994:OIR**

- [2679] P. Fraigniaud and C. Gavoille. Optimal interval routing. *Lecture Notes in Computer Science*, 854:785–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferreira:1994:BBI**

- [2680] A. Ferreira, A. Goldman vel Lejbman, and S. W. Song. Broadcasting in bus interconnection networks. *Lecture Notes in Computer Science*, 854:797–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Deserable:1994:BAT**

- [2681] D. Deserable. Broadcasting in the arrowhead torus. *Lecture Notes in Computer Science*, 854:808–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haritaoglu:1994:EMH**

- [2682] I. Haritaoglu and C. Aykanat. An efficient mapping heuristic for mesh-connected parallel architectures based on mean field annealing. *Lecture Notes in Computer Science*, 854:820–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Schwehm:1994:MSG**

- [2683] M. Schwehm and T. Walter. Mapping and scheduling by genetic algorithms. *Lecture Notes in Computer Science*, 854:832–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meyer:1994:SOP**

- [2684] J. W. Meyer. Self-organizing processes. *Lecture Notes in Computer Science*, 854:842–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**LeSergent:1994:BLU**

- [2685] T. Le Sergent and B. Berthomieu. Balancing load under large and fast load changes in distributed computing systems. *Lecture Notes in Computer Science*, 854:854–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Elleuch:1994:DLB**

- [2686] A. Elleuch, R. Kanawati, T. Muntean, and E.-G. Talbi. Dynamic load balancing mechanisms for a parallel operating system kernel. *Lecture Notes in Computer Science*, 854:866–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roch:1994:NLP**

- [2687] J. L. Roch, A. Vermeerbergen, and G. Villard. A new load-prediction scheme based on algorithmic cost functions. *Lecture Notes in Computer Science*, 854:878–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arya:1994:ECB**

**Goldberg:1994:OAL**

- [2688] A. V. Goldberg. Optimization algorithms for large networks. *Lecture Notes in Computer Science*, 855:1-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [2693] S. Arya and M. Smid. Efficient construction of a bounded degree spanner with low weight. *Lecture Notes in Computer Science*, 855:48-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berman:1994:AAR**

**Gonnet:1994:WBA**

- [2689] G. H. Gonnet. Wanna buy an algorithm? cheap! or: Algorithms for text searching which could have commercial value. *Lecture Notes in Computer Science*, 855:10-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [2694] P. Berman, U. Foessmeier, M. Karpinski, and M. Kaufmann. Approaching the 5/4-Approximation for rectilinear Steiner trees. *Lecture Notes in Computer Science*, 855:60-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brodnik:1994:MCT**

**Garg:1994:PDA**

- [2690] A. Garg and R. Tamassia. Planar drawings and angular resolution: Algorithms and bounds. *Lecture Notes in Computer Science*, 855:12-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [2695] A. Brodnik and J. I. Munro. Membership in constant time and minimum space. *Lecture Notes in Computer Science*, 855:72-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andersson:1994:FST**

**Biedl:1994:BHO**

- [2691] T. Biedl and G. Kant. A better heuristic for orthogonal graph drawings. *Lecture Notes in Computer Science*, 855:24-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [2696] A. Andersson and S. Nilsson. Faster searching in tries and quadrees — an analysis of level compression. *Lecture Notes in Computer Science*, 855:82-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Poblete:1994:AHS**

**Arkin:1994:HTF**

- [2692] E. M. Arkin, M. Held, J. S. B. Mitchell, and S. S. Skiena. Hamiltonian triangulations for fast rendering. *Lecture Notes in Computer Science*, 855:36-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [2697] P. V. Poblete, A. Viola, and J. I. Munro. The analysis of a hashing scheme by the diagonal Poisson transform. *Lecture Notes in Computer Science*, 855:94-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carlsson:1994:SLB**

- [2698] S. Carlsson and J. Chen. Some lower bounds for comparison-based algorithms. *Lecture Notes in Computer Science*, 855:106–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhou:1994:EAE**

- [2699] X. Zhou and T. Nishizeki. An efficient algorithm for edge-ranking trees. *Lecture Notes in Computer Science*, 855:118–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weihe:1994:EDP**

- [2700] K. Weihe. Edge-disjoint  $(s, t)$ -paths in undirected planar graphs in linear time. *Lecture Notes in Computer Science*, 855:130–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stoer:1994:SMC**

- [2701] M. Stoer and F. Wagner. A simple min cut algorithm. *Lecture Notes in Computer Science*, 855:141–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cho:1994:AAM**

- [2702] J. D. Cho, S. Raje, and M. Sarrafzadeh. Approximation algorithm on multi-way maxcut partitioning. *Lecture Notes in Computer Science*, 855:148–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chepoi:1994:LTA**

- [2703] V. Chepoi and F. Dragan. A linear-time algorithm for finding a central ver-

tex of a chordal graph. *Lecture Notes in Computer Science*, 855:159–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Israeli:1994:TCU**

- [2704] A. Israeli and A. Shirazi. The time complexity of updating snapshot memories. *Lecture Notes in Computer Science*, 855:171–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parlati:1994:NES**

- [2705] G. Parlati and M. Yung. Non-exploratory self-stabilization for constant-space symmetry-breaking. *Lecture Notes in Computer Science*, 855:183–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lund:1994:LDD**

- [2706] C. Lund, N. Reingold, J. Westbrook, and D. Yan. On-line distributed data management. *Lecture Notes in Computer Science*, 855:202–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asano:1994:USD**

- [2707] T. Asano, N. Katoh, and T. Tokuyama. A unified scheme for detecting fundamental curves in binary edge images. *Lecture Notes in Computer Science*, 855:215–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Burnikel:1994:HCV**

- [2708] C. Burnikel, K. Mehlhorn, and S. Schirra. How to compute the Voronoi diagram of line segments: Theoretical

and practical results. *Lecture Notes in Computer Science*, 855:227–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Overmars:1994:RSP**

- [2709] M. H. Overmars and A. F. Van der Stappen. Range searching and point location among fat objects. *Lecture Notes in Computer Science*, 855:240–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boissonnat:1994:CTB**

- [2710] J.-D. Boissonnat, J. Czyzowicz, O. Devillers, and J.-M. Robert. Convex tours of bounded curvature. *Lecture Notes in Computer Science*, 855:254–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chiang:1994:OSP**

- [2711] Y.-J. Chiang and R. Tamassia. Optimal shortest path and minimum-link path queries in the presence of obstacles. *Lecture Notes in Computer Science*, 855:266–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gupta:1994:FAC**

- [2712] P. Gupta, R. Janardan, and M. Smid. Fast algorithms for collision and proximity problems involving moving geometric objects. *Lecture Notes in Computer Science*, 855:278–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schiermeyer:1994:RFO**

- [2713] I. Schiermeyer. Reverse-fit: A 2-Optimal algorithm for packing rectangles. *Lecture Notes in Computer Science*, 855:290–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:OAP**

- [2714] B. Chen, A. Van Vliet, and G. J. Woeginger. An optimal algorithm for preemptive on-line scheduling. *Lecture Notes in Computer Science*, 855:300–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Srivastav:1994:TAR**

- [2715] A. Srivastav and P. Stangier. Tight approximations for resource constrained scheduling problems. *Lecture Notes in Computer Science*, 855:307–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wedelin:1994:APA**

- [2716] D. Wedelin. An algorithm for 0-1 programming with application to airline crew scheduling. *Lecture Notes in Computer Science*, 855:319–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Das:1994:WEP**

- [2717] S. K. Das and P. Ferragina. An  $o(n)$  work EREW parallel algorithm for updating MST. *Lecture Notes in Computer Science*, 855:331–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Franciosa:1994:SDF**

- [2718] P. G. Franciosa, G. Gambosi, and U. Nanni. On the structure of DFS-Forests on directed graphs and the dynamic maintenance of DFS on DAG's. *Lecture Notes in Computer Science*, 855:343–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alon:1994:FCG**

- [2719] N. Alon, R. Yuster, and U. Zwick. Finding and counting given length cycles. *Lecture Notes in Computer Science*, 855:354–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ben-Aroya:1994:GHP**

- [2720] I. Ben-Aroya and A. Schuster. Greedy hot-potato routing on the mesh. *Lecture Notes in Computer Science*, 855:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sibeyn:1994:DMS**

- [2721] J. F. Sibeyn. Desnakification of mesh sorting algorithms. *Lecture Notes in Computer Science*, 855:377–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pietracaprina:1994:TBD**

- [2722] A. Pietracaprina and G. Pucci. Tight bounds on deterministic PRAM emulations with constant redundancy. *Lecture Notes in Computer Science*, 855:391–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chlebus:1994:PCR**

- [2723] B. S. Chlebus, A. Gambin, and P. Indyk. PRAM computations resilient to memory faults. *Lecture Notes in Computer Science*, 855:401–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bilardi:1994:ALB**

- [2724] G. Bilardi and P. Bay. An area lower bound for a class of fat-trees. *Lecture Notes in Computer Science*, 855:413–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hunt:1994:UAA**

- [2725] H. B. Hunt, M. V. Marathe, V. Radhakrishnan, and S. S. Ravi. A unified approach to approximation schemes for NP- and PSPACE-hard problems for geometric graphs. *Lecture Notes in Computer Science*, 855:424–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Greenlaw:1994:PCE**

- [2726] R. Greenlaw and J. Machta. The parallel complexity of Eden growth, solid-on-solid growth and ballistic deposition. *Lecture Notes in Computer Science*, 855:436–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schoenhage:1994:NAR**

- [2727] A. Schoenhage and E. Vetter. A new approach to resultant computations and other algorithms with exact division. *Lecture Notes in Computer Science*, 855:448–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Plandowski:1994:TEM**

- [2728] W. Plandowski. Testing equivalence of morphisms on context-free languages. *Lecture Notes in Computer Science*, 855:460–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gasieniec:1994:WTO**

- [2729] L. Gasieniec and K. Park. Work-time optimal parallel prefix matching. *Lecture Notes in Computer Science*, 855:471–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Breslauer:1994:ECS**

- [2730] D. Breslauer, L. Colussi, and L. Tonio. On the exact complexity of the string prefix-matching problem. *Lecture Notes in Computer Science*, 855:483–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferragina:1994:ITE**

- [2731] P. Ferragina. Incremental text editing: A new data structure. *Lecture Notes in Computer Science*, 855:495–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsichritzis:1994:RCI**

- [2732] D. Tsichritzis. Research as a catalyst for industrial innovation. *Lecture Notes in Computer Science*, 856:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dechamboux:1994:POO**

- [2733] P. Dechamboux and C. Roncancio. Peplom0d: an object oriented database

programming language extended with deductive capabilities. *Lecture Notes in Computer Science*, 856:2–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hohenstein:1994:OOD**

- [2734] U. Hohenstein, R. Lauffer, and P. Weikert. Object-oriented database systems: How much SQL do they understand? *Lecture Notes in Computer Science*, 856:15–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ketabchi:1994:OCA**

- [2735] M. A. Ketabchi, S. Dasananda, R. Mikkilineni, and X. Li. An object-centered application development system. *Lecture Notes in Computer Science*, 856:27–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Novak:1994:FFS**

- [2736] M. Novak, G. Gardarin, and P. Valduriez. Flora: A functional-style language for object and relational algebra. *Lecture Notes in Computer Science*, 856:37–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:OTE**

- [2737] Y. Chen and T. Haerder. On the optimal top-down evaluation of recursive queries. *Lecture Notes in Computer Science*, 856:47–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kumar:1994:SSC**

- [2738] A. Kumar. A study of spatial clustering techniques. *Lecture Notes in Computer Science*, 856:57–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lorentzos:1994:EMD**

- [2739] N. Lorentzos and Y. Manolopoulos. Efficient management of 2-d interval relations. *Lecture Notes in Computer Science*, 856:72–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Burger:1994:MSD**

- [2740] F. Burger, G. Quirchmayr, S. Reich, and A. M. Tjoa. Managing structured documents in distributed publishing environments. *Lecture Notes in Computer Science*, 856:83–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hawryszkiewicz:1994:GSM**

- [2741] I. Hawryszkiewicz. A generalized semantic model for CSCW systems. *Lecture Notes in Computer Science*, 856:93–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoppe:1994:CTI**

- [2742] H. U. Hoppe and J. Zhao. C-TORI: An interface for cooperative database retrieval. *Lecture Notes in Computer Science*, 856:103–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rupietta:1994:OMC**

- [2743] W. Rupietta. Organization models for cooperative office applications. *Lecture Notes in Computer Science*, 856:114–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Castellanos:1994:SER**

- [2744] M. Castellanos, F. Saltor, and M. Garcia-Solaco. Semantically enriching relational databases into an object oriented semantic model. *Lecture Notes in Computer Science*, 856:125–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:CCE**

- [2745] X. Li and Z. Tari. Consistency checking of evolving methods. *Lecture Notes in Computer Science*, 856:135–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sakamoto:1994:DIH**

- [2746] N. Sakamoto and K. Ushijima. Designing and integrating human genome databases with object-oriented technology. *Lecture Notes in Computer Science*, 856:145–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Spanoudakis:1994:EFH**

- [2747] G. Spanoudakis and P. Constantopoulos. On evidential feature salience. *Lecture Notes in Computer Science*, 856:153–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ng:1994:RLT**

- [2748] V. Ng and T. Kameda. The R-link tree: A recoverable index structure for spatial data. *Lecture Notes in Computer Science*, 856:163–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papadias:1994:RDR**

- [2749] D. Papadias, Y. Theodoridis, and T. Sellis. The retrieval of direction relations using R-trees. *Lecture Notes in Computer Science*, 856:173–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsatalos:1994:UFI**

- [2750] O. G. Tsatalos and Y. E. Ioannidis. A unified framework for indexing in database systems. *Lecture Notes in Computer Science*, 856:183–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Macedo:1994:ISI**

- [2751] J. Macedo and R. R. Usano. An intelligent system to identify the appropriate organization for a factory. *Lecture Notes in Computer Science*, 856:193–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tatsiopoulou:1994:OOD**

- [2752] I. P. Tatsiopoulou. Object-oriented design of manufacturing database helps simplify production management in small firms. *Lecture Notes in Computer Science*, 856:204–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Xerokostas:1994:SPS**

- [2753] D. A. Xerokostas and K. G. Aravosis. A solution procedure for solving the non-rectangular cutting stock problem of the clothing industry using expert knowledge within an intelligent CAD environment. *Lecture Notes in Computer Science*, 856:214–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Edelweiss:1994:OOA**

- [2754] N. Edelweiss, J. P. M. De Oliveira, and B. Pernici. An object-oriented approach to a temporal query language. *Lecture Notes in Computer Science*, 856:225–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kokkotos:1994:FDT**

- [2755] S. Kokkotos and C. D. Spyropoulos. A framework for developing temporal databases. *Lecture Notes in Computer Science*, 856:236–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:ESS**

- [2756] C.-K. Li and S. Wang. Efficient storage structures for temporal object-oriented databases. *Lecture Notes in Computer Science*, 856:246–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Soukeras:1994:TTF**

- [2757] S. Soukeras and P. J. H. King. TFDL: A temporal functional language for the management of historical databases. *Lecture Notes in Computer Science*, 856:259–??, 1994. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic).

**Theodoulidis:1994:OTD**

- [2758] B. Theodoulidis, A. Ait-Braham, and G. Karvelis. The ORES temporal DBMS and the ERT-SQL query language. *Lecture Notes in Computer Science*, 856:270–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonfatti:1994:OOC**

- [2759] F. Bonfatti, P. D. Monari, and P. Paganelli. Object-oriented constraint analysis in complex applications. *Lecture Notes in Computer Science*, 856:280–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krotopoulou:1994:CDA**

- [2760] A. Krotopoulou, P. Spirakis, D. Terpou, and A. Tsakalidis. A conceptual database approach for modelling 3D objects of irregular geometry. *Lecture Notes in Computer Science*, 856:290–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Teisseire:1994:ALE**

- [2761] M. Teisseire and R. Cicchetti. An algebraic language for event-driven modelling. *Lecture Notes in Computer Science*, 856:300–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Toval:1994:POO**

- [2762] A. Toval, I. Ramos, and O. Pastor. Prototyping object-oriented specifications in an algebraic environment. *Lecture*

*Notes in Computer Science*, 856:310–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeKorvin:1994:IPU**

- [2763] A. De Korvin, G. Quirchmayr, and S. Hashemi. Identifying precedents under uncertainty. *Lecture Notes in Computer Science*, 856:320–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Merkl:1994:CCA**

- [2764] D. Merkl, E. Schweighofer, and W. Winiwarter. CONCAT — connotation analysis of thesauri based on the interpretation of context meaning. *Lecture Notes in Computer Science*, 856:329–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Spinellis:1994:DIL**

- [2765] D. Spinellis. The design and implementation of a legal text database. *Lecture Notes in Computer Science*, 856:339–348, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanderWees:1994:MJL**

- [2766] J. G. L. Van der Wees. Maintenance of juricas legal computer advice systems. *Lecture Notes in Computer Science*, 856:349–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mylopoulos:1994:ESI**

- [2767] J. Mylopoulos. Expert systems for industrial process control: A study in technology transfer. *Lecture Notes in*

*Computer Science*, 856:359–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Defude:1994:PAD**

- [2768] B. Defude and H. Martin. From a passive to an active database supporting exceptions. *Lecture Notes in Computer Science*, 856:360–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kawano:1994:HDK**

- [2769] H. Kawano, S. Nishio, J. Han, and T. Hasegawa. How does knowledge discovery cooperate with active database techniques in controlling dynamic environment? *Lecture Notes in Computer Science*, 856:370–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Naqui:1994:EAK**

- [2770] W. Naqui and M. T. Ibrahim. EECA: An active knowledge model. *Lecture Notes in Computer Science*, 856:380–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Palopoli:1994:APR**

- [2771] L. Palopoli and R. Torlone. Active and passive rules for complex object databases. *Lecture Notes in Computer Science*, 856:390–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gancarski:1994:MEV**

- [2772] S. Gancarski and G. Jomier. Managing entity versions within their contexts: A formal approach. *Lecture Notes in Computer Science*, 856:400–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hahn:1994:TEC**

- [2773] U. Hahn and M. Klenner. Tracking the evolution of concepts in dynamic worlds. *Lecture Notes in Computer Science*, 856:410–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rolland:1994:TEA**

- [2774] C. Rolland and N. Prakash. Tracing the evolution of artifacts. *Lecture Notes in Computer Science*, 856:420–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**TerHofstede:1994:SID**

- [2775] A. H. M. Ter Hofstede, H. A. Proper, and T. P. Van der Weide. Supporting information disclosure in an evolving environment. *Lecture Notes in Computer Science*, 856:433–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abdelmoty:1994:GDH**

- [2776] A. I. Abdelmoty, N. W. Paton, M. H. Williams, and A. A. A. Fernandes. Geographic data handling in a deductive object-oriented database. *Lecture Notes in Computer Science*, 856:445–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kettal:1994:ESK**

- [2777] E.-Y. Kettal. Expert spatial knowledge: An expert geographical information system in diffusion of water. *Lecture Notes in Computer Science*, 856:455–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Medeiros:1994:UVG**

- [2778] C. B. Medeiros and G. Jomier. Using versions in GIS. *Lecture Notes in Computer Science*, 856:465–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Metakides:1994:SRI**

- [2779] G. Metakides. The strategic role of information technology towards the information society. *Lecture Notes in Computer Science*, 856:475–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gardarin:1994:FOO**

- [2780] G. Gardarin. Federating object-oriented and relational databases. *Lecture Notes in Computer Science*, 856:476–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaplan:1994:BGB**

- [2781] R. M. Kaplan. Bridging the gap between knowledge engineering and efficient implementation in an intelligent tutoring system. *Lecture Notes in Computer Science*, 856:477–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Landes:1994:MSK**

- [2782] D. Landes and R. Studer. Mechanisms for structuring knowledge-based systems. *Lecture Notes in Computer Science*, 856:488–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nikolaidu:1994:DSI**

- [2783] M. Nikolaidu, D. Lelis, D. Mouzakis, and P. Georgiadis. Distributed system intelligent design. *Lecture Notes in Computer Science*, 856:498–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gaviotis:1994:MHB**

- [2784] I. Gaviotis and D. Christodoulakis. A model for hypermedia based production systems. *Lecture Notes in Computer Science*, 856:509–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hara:1994:HDS**

- [2785] Y. Hara and R. A. Botafogo. Hypermedia databases: A specification and formal language. *Lecture Notes in Computer Science*, 856:521–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hatzimanikatis:1994:IOH**

- [2786] A. Hatzimanikatis, A. Papadopoulos, and D. Christodoulakis. Implementing open hypermedia services on top of the Postgres extended relational database management system. *Lecture Notes in Computer Science*, 856:531–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsalgatidov:1994:SSB**

- [2787] A. Tsalgatidov, Z. Palaskas, C. Halatsis, and M. Hatzopoulos. A support system for building hypermedia training applications. *Lecture Notes in Computer Science*, 856:540–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bayer:1994:OMD**

- [2788] R. Bayer, P. Vogel, and S. Wiesener. OMNIS/Myriad document retrieval and its database requirements. *Lecture Notes in Computer Science*, 856:550–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Layaida:1994:CIR**

- [2789] R. Layaida, M. Boughanem, and A. Caron. Constructing an information retrieval system with neural networks. *Lecture Notes in Computer Science*, 856:561–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yoo:1994:HFN**

- [2790] J. S. Yoo, Y.-J. Lee, J. W. Chang, and M. H. Kim. The HS file: A new dynamic signature file method for efficient information retrieval. *Lecture Notes in Computer Science*, 856:571–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Billet-Coat:1994:MAA**

- [2791] S. Billet-Coat and D. Herin-Aime. A multi-agent architecture for an evolving expert system module. *Lecture Notes in Computer Science*, 856:581–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1994:IIC**

- [2792] S. Y. Lee and T. W. Ling. Improving integrity constraint checking for stratified deductive databases. *Lecture Notes in Computer Science*, 856:591–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prichard:1994:RRT**

- [2793] J. J. Prichard, L. C. DiPippo, J. Peckham, and V. F. Wolfe. RTSORAC: A real-time object-oriented database model. *Lecture Notes in Computer Science*, 856:601–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ulusoy:1994:ADT**

- [2794] O. Ulusoy. Applying database technology to real-time systems. *Lecture Notes in Computer Science*, 856:611–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aggarwal:1994:DED**

- [2795] S. Aggarwal, I. Kim, and W. Meng. Database exploration with dynamic abstractions. *Lecture Notes in Computer Science*, 856:621–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bosc:1994:SQN**

- [2796] P. Bosc, L. Lietard, and O. Pivert. Soft querying, a new feature for database management systems. *Lecture Notes in Computer Science*, 856:631–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gunter:1994:SFD**

- [2797] E. Gunter and L. Libkin. OR-SML: A functional database programming language for disjunctive information and its applications. *Lecture Notes in Computer Science*, 856:641–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Lee:1994:SQO**

- [2798] Y.-W. Lee and S. I. Yoo. Semantic query optimization in OODB systems. *Lecture Notes in Computer Science*, 856:651–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goble:1994:MTS**

- [2799] C. Goble, P. Crowther, and D. Solomon. A medical terminology server. *Lecture Notes in Computer Science*, 856:661–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Houstis:1994:BBI**

- [2800] C. Houstis, T. S. Papatheodorou, V. Verykios, and A. Floratos. BIND: a biomedical interoperable database system. *Lecture Notes in Computer Science*, 856:671–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pangalos:1994:DSM**

- [2801] G. Pangalos, A. Pomporisis, L. Bozios, and M. Khair. Development of secure medical database systems. *Lecture Notes in Computer Science*, 856:680–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanDyne:1994:UIM**

- [2802] M. Van Dyne, C. Tsatsoulis, and J. Thorp. Using inductive machine learning, expert systems and case based reasoning to predict preterm delivery in pregnant women. *Lecture Notes in Computer Science*, 856:690–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Drescher:1994:IFR**

- [2803] P. Drescher, M. Holettha, R. Kruschinski, and G. Laufkoetter. Integrating frames, rules and uncertainty in a database-coupled knowledge-representation system. *Lecture Notes in Computer Science*, 856:703–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kamel:1994:PRB**

- [2804] M. N. Kamel. A prototype rule-based front end system for integrity enforcement in relational databases: An application to the Naval Aircraft Flight Records database. *Lecture Notes in Computer Science*, 856:713–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lakshmanan:1994:MUD**

- [2805] V. S. Lakshmanan and F. Sadri. Modeling uncertainty in deductive databases. *Lecture Notes in Computer Science*, 856:724–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papakonstantinou:1994:DDB**

- [2806] G. Papakonstantinou, C. Voliotis, and N. M. Sgouros. Dependency-directed binding of variables for constraint logic programming. *Lecture Notes in Computer Science*, 856:734–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Afsarmanesh:1994:FDI**

- [2807] H. Afsarmanesh, M. Wiedijk, and L. O. Hertzberger. Flexible and dynamic integration of multiple information bases. *Lecture Notes in Computer*

*Science*, 856:744–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boeszoermenyi:1994:PPD**

- [2808] L. Boeszoermenyi, J. Eder, and C. Weich. PPOST: A parallel database in main memory. *Lecture Notes in Computer Science*, 856:754–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hameurlain:1994:EIO**

- [2809] A. Hameurlain and F. Morvan. Exploiting inter-operation parallelism for SQL query optimization. *Lecture Notes in Computer Science*, 856:759–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berndtsson:1994:ROO**

- [2810] M. Berndtsson. Reactive object-oriented databases and CIM. *Lecture Notes in Computer Science*, 856:769–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eberl:1994:ACI**

- [2811] M. Eberl. Advanced computer integrated technology for furniture manufacturing. *Lecture Notes in Computer Science*, 856:779–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marik:1994:DSC**

- [2812] V. Marik, J. Lazansky, J. Koutnik, and T. Hazdra. A distributed system for CIM. *Lecture Notes in Computer Science*, 856:785–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Starzacher:1994:ICS**

- [2813] P. Starzacher and W. Woess. Integrated-company-software (INCOSOFT) — a special solution for small- and medium-sized companies. *Lecture Notes in Computer Science*, 856:795–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Babaoglu:1994:RFM**

- [2814] O. Babaoglu, A. Bartoli, and G. Dini. Replicated file management in large-scale distributed systems. *Lecture Notes in Computer Science*, 857:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keller:1994:RPP**

- [2815] J. Keller, W. J. Paul, and D. Scheerer. Realization of PRAMs: Processor design. *Lecture Notes in Computer Science*, 857:17–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lenstra:1994:F**

- [2816] A. K. Lenstra. Factoring. *Lecture Notes in Computer Science*, 857:28–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schiper:1994:PPV**

- [2817] A. Schiper and A. Sandoz. Primary partition “virtually-synchronous communication” harder than consensus. *Lecture Notes in Computer Science*, 857:39–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yung:1994:SDC**

- [2818] M. Yung. Secure distributed computing: Theory and practice. *Lecture Notes in Computer Science*, 857:53–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chaudhuri:1994:FIR**

- [2819] S. Chaudhuri and M. R. Tuttle. Fast increment registers. *Lecture Notes in Computer Science*, 857:74–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Choy:1994:CC**

- [2820] M. Choy and A. K. Singh. Coping with contention. *Lecture Notes in Computer Science*, 857:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cori:1994:EBC**

- [2821] R. Cori and S. Moran. Exotic behaviour of consensus numbers. *Lecture Notes in Computer Science*, 857:101–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haldar:1994:SOC**

- [2822] S. Haldar and P. S. Subramanian. Space-optimum conflict-free construction of 1-Writer 1-Reader multivalued atomic variable. *Lecture Notes in Computer Science*, 857:116–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Inoue:1994:LTS**

- [2823] M. Inoue, W. Chen, T. Masuzawa, and N. Tokura. Linear-time snapshot using multi-writer multi-reader

registers. *Lecture Notes in Computer Science*, 857:130–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moir:1994:FLL**

- [2824] M. Moir and J. H. Anderson. Fast, long-lived renaming. *Lecture Notes in Computer Science*, 857:141–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rachman:1994:AWF**

- [2825] O. Rachman. Anomalies in the wait-free hierarchy. *Lecture Notes in Computer Science*, 857:156–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alimonti:1994:FED**

- [2826] P. Alimonti, P. Flocchini, and N. Santoro. Finding the extreme of a distributed multiset. *Lecture Notes in Computer Science*, 857:164–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Attiya:1994:LHR**

- [2827] H. Attiya and R. Rappoport. The level of handshake required for establishing a connection. *Lecture Notes in Computer Science*, 857:179–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Attiya:1994:LLR**

- [2828] H. Attiya, H. Shachnai, and T. Tamir. Local labeling and resource allocation using preprocessing. *Lecture Notes in Computer Science*, 857:194–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cidon:1994:SAR**

- [2829] I. Cidon, O. Gerstel, and S. Zaks. A scalable approach to routing in ATM networks. *Lecture Notes in Computer Science*, 857:209–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shabtay:1994:LCN**

- [2830] L. Shabtay and A. Segall. Low complexity network synchronization. *Lecture Notes in Computer Science*, 857:223–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Swaminathan:1994:IDA**

- [2831] B. Swaminathan and K. J. Goldman. An incremental distributed algorithm for computing biconnected components. *Lecture Notes in Computer Science*, 857:238–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garay:1994:RMA**

- [2832] J. A. Garay. Reaching (and maintaining) agreement in the presence of mobile faults. *Lecture Notes in Computer Science*, 857:253–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoepman:1994:UDS**

- [2833] J.-H. Hoepman. Uniform deterministic self-stabilizing ring-orientation on odd-length rings. *Lecture Notes in Computer Science*, 857:265–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lo:1994:UFD**

- [2834] W.-K. Lo and V. Hadzilacos. Using failure detectors to solve consensus in asynchronous shared-memory systems. *Lecture Notes in Computer Science*, 857:280–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsay:1994:AOF**

- [2835] Y.-K. Tsay and R. L. Bagrodia. An algorithm with optimal failure locality for the dining philosophers problem. *Lecture Notes in Computer Science*, 857:296–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Allenberg-Navony:1994:ARC**

- [2836] N. Allenberg-Navony, A. Itai, and S. Moran. Average and randomized complexity of distributed problems. *Lecture Notes in Computer Science*, 857:311–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Awerbuch:1994:SSL**

- [2837] B. Awerbuch, B. Patt-Shamir, G. Varghese, and S. Dolev. Self-stabilization by local checking and global reset. *Lecture Notes in Computer Science*, 857:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Basten:1994:BTD**

- [2838] T. Basten. Breakpoints and time in distributed computations. *Lecture Notes in Computer Science*, 857:340–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ruget:1994:CMC**

- [2839] F. Ruget. Cheaper matrix clocks. *Lecture Notes in Computer Science*, 857:355–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Exertier:1994:IER**

- [2840] F. Exertier and S. Haj Houssain. Issues in extending a relational system with object-oriented features. *Lecture Notes in Computer Science*, 858:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Herzig:1994:SLQ**

- [2841] R. Herzig and M. Gogolla. An SQL-Like query calculus for object-oriented database systems. *Lecture Notes in Computer Science*, 858:20–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:SEO**

- [2842] J.-L. Chen, D. McLeod, and D. O’Leary. Schema evolution for object-based accounting database systems. *Lecture Notes in Computer Science*, 858:40–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carzaniga:1994:DII**

- [2843] A. Carzaniga, G. P. Picco, and G. Vigna. Designing and implementing inter-client communication in the O2 object-oriented database management system. *Lecture Notes in Computer Science*, 858:53–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moreira:1994:ROO**

- [2844] A. M. D. Moreira and R. G. Clark. Rigorous object-oriented analysis. *Lecture Notes in Computer Science*, 858:65–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rouxel:1994:OOM**

- [2845] C. Rouxel, J.-P. Velu, M. Texier, and D. Leroey. Object-oriented methodologies for large scale projects: Does it work? *Lecture Notes in Computer Science*, 858:79–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pomberger:1994:QQA**

- [2846] G. Pomberger and W. Pree. Quantitative and qualitative aspects of object-oriented software development. *Lecture Notes in Computer Science*, 858:96–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonfatti:1994:TGP**

- [2847] F. Bonfatti and P. D. Monari. Towards a general purpose approach to object-oriented analysis. *Lecture Notes in Computer Science*, 858:108–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liddle:1994:SMO**

- [2848] S. W. Liddle, D. W. Embley, and S. N. Woodfield. A seamless model for object-oriented systems development. *Lecture Notes in Computer Science*, 858:123–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ebert:1994:SBV**

- [2849] J. Ebert and G. Engels. Structural and behavioral views on OMT-Classes. *Lecture Notes in Computer Science*, 858:142–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mathiassen:1994:CTA**

- [2850] L. Mathiassen, A. Munk-Madsen, P. A. Nielsen, and J. Stage. Combining two approaches to object-oriented analysis. *Lecture Notes in Computer Science*, 858:158–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Montesi:1994:RTI**

- [2851] D. Montesi and R. Torlone. A rewriting technique for implementing active object systems. *Lecture Notes in Computer Science*, 858:171–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kappel:1994:BCM**

- [2852] G. Kappel, S. Rausch-Schott, and W. Retschitzegger. Beyond coupling modes: Implementing active concepts on top of a commercial OODBMS. *Lecture Notes in Computer Science*, 858:189–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**HuffmanHayes:1994:TOO**

- [2853] J. Huffman Hayes. Testing of object-oriented programming systems (OOPS): A fault-based approach. *Lecture Notes in Computer Science*, 858:205–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shrivastava:1994:ARA**

- [2854] C. Shrivastava, D. L. Carver, and R. Shrivastava. An ambiguity resolution algorithm. *Lecture Notes in Computer Science*, 858:221–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kochhar:1994:PHL**

- [2855] S. Kochhar. On providing a high-level C interface for an object-oriented C++ system. *Lecture Notes in Computer Science*, 858:232–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paltrinieri:1994:IOC**

- [2856] M. Paltrinieri. Integrating objects with constraint-programming languages. *Lecture Notes in Computer Science*, 858:248–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boccignone:1994:OOR**

- [2857] G. Boccignone, A. Chianese, M. De Santo, and A. Picariello. Object-oriented representation of shape information. *Lecture Notes in Computer Science*, 858:266–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papa:1994:DOO**

- [2858] M. P. Papa, G. Ragucci, G. Corrente, and M. Ferrise. The development of an object-oriented multimedia information system. *Lecture Notes in Computer Science*, 858:278–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Damiani:1994:IIS**

- [2859] M. L. Damiani. An intelligent information system for heterogeneous data exploration. *Lecture Notes in Computer Science*, 858:298–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graham:1994:EOC**

- [2860] P. Graham and K. Barker. Effective optimistic concurrency control in multiversion object bases. *Lecture Notes in Computer Science*, 858:313–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parisi-Presicce:1994:ROO**

- [2861] F. Parisi-Presicce and A. Pierantonio. Reusing object-oriented design: An algebraic approach. *Lecture Notes in Computer Science*, 858:329–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Castano:1994:ROOb**

- [2862] S. Castano and V. De Antonellis. Reuse in object-oriented information systems development. *Lecture Notes in Computer Science*, 858:346–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corbellini:1994:OOA**

- [2863] P. Corbellini, P. Della Vigna, F. Mercuri, and M. Pugliese. An object-oriented approach to the integration of online services into office automation environments. *Lecture Notes in Computer Science*, 858:359–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mich:1994:LAD**

- [2864] L. Mich and R. Garigliano. A linguistic approach to the development of object-oriented systems using the NL system LOLITA. *Lecture Notes in Computer Science*, 858:371–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agerholm:1994:LEH**

- [2865] S. Agerholm. LCF examples in HOL. *Lecture Notes in Computer Science*, 859:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andersen:1994:GTP**

- [2866] F. Andersen, K. D. Petersen, and J. S. Pettersson. A graphical tool for proving UNITY progress. *Lecture Notes in Computer Science*, 859:17–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Angelo:1994:RAC**

- [2867] C. M. Angelo, L. Claesen, and H. De Man. Reasoning about a class of linear systems of equations in HOL. *Lecture Notes in Computer Science*, 859:33–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bodeveix:1994:THT**

- [2868] J.-P. Bodeveix, M. Filali, and P. Roche. Towards a HOL theory of memory. *Lecture Notes in Computer Science*, 859:49–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brackin:1994:PTS**

- [2869] S. H. Brackin. Providing tractable security analyses in HOL. *Lecture Notes in Computer Science*, 859:65–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeBruijn:1994:HLF**

- [2870] N. G. De Bruijn. Highlighting the lambda-free fragment of automath. *Lecture Notes in Computer Science*, 859:81–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Busch:1994:FOA**

- [2871] H. Busch. First-order automation for higher-order-logic theorem proving. *Lecture Notes in Computer Science*, 859:97–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Camilleri:1994:SAP**

- [2872] J. Camilleri and V. Zammit. Symbolic animations as a proof tool. *Lecture Notes in Computer Science*, 859:113–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chapman:1994:DL**

- [2873] N. Chapman, S. Finn, and M. P. Fourman. Datatypes in L2. *Lecture Notes in Computer Science*, 859:128–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chou:1994:FTU**

- [2874] C.-T. Chou. A formal theory of undirected graphs in higher-order logic. *Lecture Notes in Computer Science*,

859:144–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chou:1994:MVD**

- [2875] C.-T. Chou. Mechanical verification of distributed algorithms in higher-order logic. *Lecture Notes in Computer Science*, 859:158–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Curzon:1994:TDC**

- [2876] P. Curzon. Tracking design changes with formal verification. *Lecture Notes in Computer Science*, 859:177–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Forster:1994:WSS**

- [2877] T. Forster. Weak systems of set theory related to HOL. *Lecture Notes in Computer Science*, 859:193–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fura:1994:ISC**

- [2878] D. A. Fura and A. K. Somani. Interval-semantic component models and the efficient verification of transaction-level circuit behavior. *Lecture Notes in Computer Science*, 859:205–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graham:1994:INH**

- [2879] B. T. Graham. An interpretation of NODEN in HOL. *Lecture Notes in Computer Science*, 859:221–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Hanna:1994:RAR**

- [2880] K. Hanna. Reasoning about real circuits. *Lecture Notes in Computer Science*, 859:235–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harrison:1994:BDD**

- [2881] J. Harrison. Binary decision diagrams as a HOL derived rule. *Lecture Notes in Computer Science*, 859:254–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Homeier:1994:TTT**

- [2882] P. V. Homeier and D. F. Martin. Trustworthy tools for trustworthy programs: A verified verification condition generator. *Lecture Notes in Computer Science*, 859:269–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Joyce:1994:MRS**

- [2883] J. Joyce, N. Day, and M. Donat. S: A machine readable specification notation based on higher order logic. *Lecture Notes in Computer Science*, 859:285–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Larsson:1994:EAF**

- [2884] M. Larsson. An engineering approach to formal digital system design. *Lecture Notes in Computer Science*, 859:300–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lu:1994:GDU**

- [2885] J.-Y. Lu and S.-K. Chin. Generating designs using an algorithmic register transfer language with formal semantics. *Lecture Notes in Computer Science*, 859:316–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Laangbacka:1994:HFT**

- [2886] T. Laangbacka. A HOL formalisation of the temporal logic of actions. *Lecture Notes in Computer Science*, 859:332–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maharaj:1994:SMM**

- [2887] S. Maharaj and E. Gunter. Studying the ML module system in HOL. *Lecture Notes in Computer Science*, 859:346–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prasetya:1994:TMS**

- [2888] I. S. W. B. Prasetya. Towards a mechanically supported and compositional calculus to design distributed algorithms. *Lecture Notes in Computer Science*, 859:362–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reetz:1994:SDE**

- [2889] R. Reetz and T. Kropf. Simplifying deep embedding: A formalised code generator. *Lecture Notes in Computer Science*, 859:378–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schneider:1994:AVF**

- [2890] K. Schneider, R. Kumar, and T. Kropf. Automating verification by functional abstraction at the system level. *Lecture Notes in Computer Science*, 859:391–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Slind:1994:PPM**

- [2891] K. Slind. A parameterized proof manager. *Lecture Notes in Computer Science*, 859:407–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tahar:1994:IIV**

- [2892] S. Tahar and R. Kumar. Implementational issues for verifying RISC-Pipeline conflicts in HOL. *Lecture Notes in Computer Science*, 859:424–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Windley:1994:SIS**

- [2893] P. J. Windley. Specifying instruction-set architectures in HOL: A primer. *Lecture Notes in Computer Science*, 859:440–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VonWright:1994:RHO**

- [2894] J. Von Wright. Representing higher order logic proofs in HOL. *Lecture Notes in Computer Science*, 859:456–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Laughton:1994:CIT**

- [2895] M. F. Laughton. Communications and information technology for persons with disabilities — the Canadian National strategy as an example. *Lecture Notes in Computer Science*, 860:1–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kieninger:1994:IIS**

- [2896] T. Kieninger, N. Kuhn, K. Seidenschwann, and W. Weiss. An intelligent information system for blind people — AI technology and philosophical aspects. *Lecture Notes in Computer Science*, 860:9–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Karshmer:1994:AGU**

- [2897] A. J. Karshmer, B. Ogden, P. Brawner, and K. Kaugars. Adapting graphical user interfaces for use by visually handicapped computer users: Current results and continuing research. *Lecture Notes in Computer Science*, 860:16–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weber:1994:TBP**

- [2898] G. Weber, H. Petrie, D. Kochanek, and S. Morley. Training blind people in the use of graphical user interfaces. *Lecture Notes in Computer Science*, 860:25–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bothe:1994:AVS**

- [2899] H. H. Bothe and E. A. Wieden. Artificial visual speech, synchronized with a speech synthesis system. *Lecture Notes in Computer Science*, 860:32–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1994:NRS**

- [2900] J. Lee. Notational representation of sign language: A structural description of hand configuration. *Lecture Notes in Computer Science*, 860:38–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oakey:1994:FAR**

- [2901] J. E. Oakey. Further advances in real-time voice to text with steno interpreters. *Lecture Notes in Computer Science*, 860:46–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buehler:1994:UCI**

- [2902] C. Buehler, H. Heck, and R. Wallbruch. A uniform control interface for various electronic aids. *Lecture Notes in Computer Science*, 860:51–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tronconi:1994:ISC**

- [2903] A. Tronconi and M. Billi. An integrated system for communication and equipments control using radio link. *Lecture Notes in Computer Science*, 860:59–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Flachberger:1994:AFE**

- [2904] C. Flachberger, P. Panek, and W. L. Zagler. AUTONOMY — A flexible and easy-to-use assistive system to support the independence of handicapped and elderly persons. *Lecture Notes in Computer Science*, 860:65–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thatcher:1994:SRP**

- [2905] J. W. Thatcher. Screen reader/2 — programmed access to the GUI. *Lecture Notes in Computer Science*, 860:76–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kochanek:1994:DOM**

- [2906] D. Kochanek. Designing an OffScreen model for a GUI. *Lecture Notes in Computer Science*, 860:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Graziani:1994:SRW**

- [2907] P. Graziani and B. Breschi. Screen reader for Windows based on speech output. *Lecture Notes in Computer Science*, 860:96–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schmitt:1994:NWL**

- [2908] W. Schmitt and W. Zang. The new wireless LinguControl. *Lecture Notes in Computer Science*, 860:101–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kerstner:1994:FMC**

- [2909] W. Kerstner, G. Pigel, and M. Tschelligi. The FeelMouse: Making computer screens feelable. *Lecture Notes in Computer Science*, 860:106–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bowes:1994:UBV**

- [2910] D. R. Bowes. Unexpected benefits of voice type computing. *Lecture Notes in*

*Computer Science*, 860:115-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eftring:1994:RCM**

- [2911] H. Eftring. Robot control methods using the RAID workstation. *Lecture Notes in Computer Science*, 860:120-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Neverya:1994:UNR**

- [2912] H. Neverya and G. Bolmsjoe. The ultrasonic navigating robot, WALKY. *Lecture Notes in Computer Science*, 860:129-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Levine:1994:NES**

- [2913] S. P. Levine, D. A. Bell, and Y. Koren. NavChair: An example of a shared-control system for assistive technologies. *Lecture Notes in Computer Science*, 860:136-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Crispien:1994:USA**

- [2914] K. Crispien, W. Wuerz, and G. Weber. Using spatial audio for the enhanced presentation of synthesized speech within screen-readers for blind computer users. *Lecture Notes in Computer Science*, 860:144-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vigouroux:1994:MCN**

- [2915] N. Vigouroux and B. Oriola. Multi-modal concept for a new generation of screen reader. *Lecture Notes in*

*Computer Science*, 860:154-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kennel:1994:AEU**

- [2916] A. R. Kennel. Auditory extension of user interfaces. *Lecture Notes in Computer Science*, 860:162-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cooper:1994:ADF**

- [2917] R. J. Cooper and J. C. Senge. An attempt to define fully-accessible workstation levels of accessibility. *Lecture Notes in Computer Science*, 860:164-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kalcher:1994:GBC**

- [2918] J. Kalcher, D. Flotzinger, S. Goelly, and C. Neuper. Graz brain-computer interface (BCI) II. *Lecture Notes in Computer Science*, 860:170-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cherry:1994:HCI**

- [2919] A. D. Cherry, M. S. Hawley, M. Freeman, and P. A. Cudd. Human-computer interfacing for the severely physically disabled. *Lecture Notes in Computer Science*, 860:177-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Busby:1994:DAT**

- [2920] G. Busby. Day and assessment training technology centres. *Lecture Notes in Computer Science*, 860:185-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leneway:1994:NAA**

- [2921] R. J. Leneway. The North America Association of Rehabilitation Programs in Computer Technology seeks to network with other training programs. *Lecture Notes in Computer Science*, 860:189–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1994:DRD**

- [2922] Q. Li and M. Guo. Disability and rehabilitation database in Chinese language. *Lecture Notes in Computer Science*, 860:192–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lane:1994:TSG**

- [2923] J. P. Lane. Toward a single global market for assistive technology. *Lecture Notes in Computer Science*, 860:195–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ayres:1994:USW**

- [2924] N. Ayres and T. Wesley. Using structure within electronic documents to make editors more accessible. *Lecture Notes in Computer Science*, 860:198–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lokowandt:1994:DPT**

- [2925] G. Lokowandt and W. Schweikhardt. Distinguishing pattern-types in printed documents. *Lecture Notes in Computer Science*, 860:206–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bauwens:1994:SDK**

- [2926] B. Bauwens, J. Engelen, F. Evenepoel, and C. Tobin. Structuring documents: The key to increasing access to information for the print disabled. *Lecture Notes in Computer Science*, 860:214–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klaus:1994:SCV**

- [2927] J. Klaus. Study center for visually impaired persons — supportive system for blind and partially sighted students at the University of Karlsruhe/Germany. *Lecture Notes in Computer Science*, 860:222–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moravcikova:1994:SCV**

- [2928] L. Moravcikova. Support center for visually impaired students. *Lecture Notes in Computer Science*, 860:229–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wagner:1994:EEC**

- [2929] R. Wagner, B. Stoeger, and K. Miesenberger. Educational endeavour “computer science for the blind” — state of the art and experiences in supporting visually handicapped students. *Lecture Notes in Computer Science*, 860:236–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stoeger:1994:MIB**

- [2930] B. Stoeger and K. Miesenberger. Modellversuch “Informatik für Blinde”.

*Lecture Notes in Computer Science*, 860:244-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barnes:1994:CIN**

- [2931] K. M. S. Barnes, R. W. Jotham, and C. I. G. Sherman. Cottage industry at NewLink. *Lecture Notes in Computer Science*, 860:246-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zampiceni:1994:THP**

- [2932] M. Zampiceni. Telework for handicapped people: An experience. *Lecture Notes in Computer Science*, 860:249-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ramseur:1994:ARA**

- [2933] J. H. Ramseur, L. S. Gardner, and D. S. Painter. AbleProfessionals: A recruiting and accommodation service for Atlanta employers. *Lecture Notes in Computer Science*, 860:252-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Resele:1994:NCD**

- [2934] P. Resele and W. Resele. "News-Reader" — A comfortable-digital newspaper and bookreading system. *Lecture Notes in Computer Science*, 860:255-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hansson:1994:DTB**

- [2935] K. Hansson, L. Soennebo, and J. Lindholm. Digital talking books — A report

from a practical, ongoing project. *Lecture Notes in Computer Science*, 860:262-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schneider:1994:EKA**

- [2936] A. Schneider and C. Pescia. The electronic kiosk — accessing newspapers with electronic media. *Lecture Notes in Computer Science*, 860:269-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nagel:1994:AAT**

- [2937] H.-H. Nagel. AI approaches towards sensor-based driver support in road vehicles. *Lecture Notes in Computer Science*, 861:1-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bornscheuer:1994:RCA**

- [2938] S.-E. Bornscheuer and M. Thielscher. Representing concurrent actions and solving conflicts. *Lecture Notes in Computer Science*, 861:16-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goos:1994:PSC**

- [2939] K. Goos. Preselection strategies for case based classification. *Lecture Notes in Computer Science*, 861:28-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stopp:1994:USR**

- [2940] E. Stopp, K.-P. Gapp, G. Herzog, and T. Laengle. Utilizing spatial relations for natural language access to an autonomous mobile robot. *Lecture Notes in Computer Science*, 861:39-??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baader:1994:CRC**

- [2941] F. Baader, M. Buchheit, and B. Hollunder. Cardinality restrictions on concepts. *Lecture Notes in Computer Science*, 861:51–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pomplun:1994:ANN**

- [2942] M. Pomplun, B. Velichkovsky, and H. Ritter. An artificial neural network for high precision eye movement tracking. *Lecture Notes in Computer Science*, 861:63–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kuznetsov:1994:KKL**

- [2943] V. Kuznetsov. A Kripke-Kleene logic over general logic programs. *Lecture Notes in Computer Science*, 861:70–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dix:1994:SSV**

- [2944] J. Dix and M. Mueller. The stable semantics and its variants: A comparison of recent approaches. *Lecture Notes in Computer Science*, 861:82–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gloeckner:1994:TCS**

- [2945] C. Gloeckner, A. Grieszl, M. Mueller, and M. Ronthaler. TabVer: A case study in table verbalization. *Lecture Notes in Computer Science*, 861:94–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jameson:1994:CND**

- [2946] A. Jameson, B. Kipper, A. Ndiaye, and R. Schaefer. Cooperating to be noncooperative: The dialog system PRACMA. *Lecture Notes in Computer Science*, 861:106–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pfahring:1994:RCI**

- [2947] B. Pfahring. Robust constructive induction. *Lecture Notes in Computer Science*, 861:118–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fuhr:1994:ESN**

- [2948] T. Fuhr, F. Kummert, and G. Sagerer. Enriching a semantic network language by integrating qualitative reasoning techniques. *Lecture Notes in Computer Science*, 861:130–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haarslev:1994:CST**

- [2949] V. Haarslev, R. Moeller, and C. Schroeder. Combining spatial and terminological reasoning. *Lecture Notes in Computer Science*, 861:142–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schaaf:1994:DGC**

- [2950] J. W. Schaaf. Detecting gestalts in CAD-Plans to be used as indices for case-retrieval in architecture. *Lecture Notes in Computer Science*, 861:154–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schikuta:1994:NST**

- [2951] E. Schikuta. The NeuDB-System: Towards the integration of neural networks and database systems. *Lecture Notes in Computer Science*, 861:166–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Quantz:1994:WDD**

- [2952] J. Quantz and S. Suska. Weighted defaults in description logics: Formal properties and proof theory. *Lecture Notes in Computer Science*, 861:178–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Becker:1994:EQC**

- [2953] A. Becker and G. Lakemeyer. Epistemic queries in classic. *Lecture Notes in Computer Science*, 861:190–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanLinder:1994:CRA**

- [2954] B. Van Linder, W. Van der Hoek, and J.-J. C. Meyer. Communicating rational agents. *Lecture Notes in Computer Science*, 861:202–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meyer-Fujara:1994:KLM**

- [2955] J. Meyer-Fujara, B. Heller, S. Schlegelmilch, and I. Wachsmuth. Knowledge-level modularization of a complex knowledge base. *Lecture Notes in Computer Science*, 861:214–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lukaszewicz:1994:PVT**

- [2956] W. Lukaszewicz and E. Madalinska-Bugaj. Program verification techniques as a tool for reasoning about action and change. *Lecture Notes in Computer Science*, 861:226–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DelCerro:1994:CLU**

- [2957] L. F. Del Cerro and A. Herzig. A conditional logic for updating in the possible models approach. *Lecture Notes in Computer Science*, 861:237–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schurz:1994:PJD**

- [2958] G. Schurz. Probabilistic justification of default reasoning. *Lecture Notes in Computer Science*, 861:248–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zaverucha:1994:PCD**

- [2959] G. Zaverucha. A prioritized contextual default logic: Curing anomalous extensions with a simple abnormality default theory. *Lecture Notes in Computer Science*, 861:260–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Delgrande:1994:ISC**

- [2960] J. P. Delgrande and T. H. Schaub. Incorporating specificity into circumscriptive theories. *Lecture Notes in Computer Science*, 861:272–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Rott:1994:CCE**

- [2961] H. Rott. Coherent choice and epistemic entrenchment. *Lecture Notes in Computer Science*, 861:284–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:NTL**

- [2962] Z. Lin and W. Li. A note on tableaux of logic of paradox. *Lecture Notes in Computer Science*, 861:296–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asher:1994:WNC**

- [2963] N. Asher and J. Lang. When nonmonotonicity comes from distances. *Lecture Notes in Computer Science*, 861:308–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Becher:1994:RUC**

- [2964] G. Becher and U. Petermann. Rigid unification by completion and rigid paramodulation. *Lecture Notes in Computer Science*, 861:319–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kohlhase:1994:USL**

- [2965] M. Kohlhase. Unification in a sorted lambda-calculus with term declarations and function sorts. *Lecture Notes in Computer Science*, 861:331–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Denzinger:1994:GOE**

- [2966] J. Denzinger and M. Fuchs. Goal oriented equational theorem proving using team work. *Lecture Notes in Computer*

*Science*, 861:343–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gent:1994:HRS**

- [2967] I. P. Gent and T. Walsh. The hardest random SAT problems. *Lecture Notes in Computer Science*, 861:355–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Madden:1994:FMA**

- [2968] P. Madden. Formal methods for automated program improvement. *Lecture Notes in Computer Science*, 861:367–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1994:AMN**

- [2969] X. Huang, M. Kerber, M. Kohlhase, and J. Richts. Adapting methods to novel tasks in proof planning. *Lecture Notes in Computer Science*, 861:379–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amtrup:1994:UCT**

- [2970] J. W. Amtrup. Using charts for transfer in MT. *Lecture Notes in Computer Science*, 861:391–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baaz:1994:NFC**

- [2971] M. Baaz and K. Hoerwein. A new frame for common-sense reasoning — towards local inconsistencies. *Lecture Notes in Computer Science*, 861:392–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cordier:1994:PTU**

- [2972] M.-O. Cordier and P. Siegel. Prioritized transitions for updates. *Lecture Notes in Computer Science*, 861:393–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eckerle:1994:OBS**

- [2973] J. Eckerle. An optimal bidirectional search algorithm. *Lecture Notes in Computer Science*, 861:394–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Filipic:1994:LDP**

- [2974] B. Filipic, I. Zun, and M. Perpar. Learning to discriminate phases in gas-liquid flow. *Lecture Notes in Computer Science*, 861:395–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giesl:1994:SSC**

- [2975] J. Giesl and I. Neumann. Strategies for semantical contractions. *Lecture Notes in Computer Science*, 861:396–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Penders:1994:CSI**

- [2976] J. S. J. H. Penders. Conflicts in the spatial interaction of autonomous agents. *Lecture Notes in Computer Science*, 861:397–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rapp:1994:URS**

- [2977] S. Rapp, M. Jessen, and G. Dogil. Using rough sets theory to predict Ger-

man word stress. *Lecture Notes in Computer Science*, 861:398–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schaedler:1994:GTA**

- [2978] K. Schaedler. Graph-theoretical algorithms and knowledge-based design. *Lecture Notes in Computer Science*, 861:399–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ternovskaia:1994:ISC**

- [2979] E. Ternovskaia. Interval situation calculus. *Lecture Notes in Computer Science*, 861:400–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Itai:1994:LMP**

- [2980] A. Itai. Learning morphology — practice makes good. *Lecture Notes in Computer Science*, 862:5–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Takada:1994:HLF**

- [2981] Y. Takada. A hierarchy of language families learnable by regular language learners. *Lecture Notes in Computer Science*, 862:16–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dupont:1994:WSS**

- [2982] P. Dupont, L. Miclet, and E. Vidal. What is the search space of the regular inference? *Lecture Notes in Computer Science*, 862:25–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sempere:1994:CEL**

- [2983] J. M. Sempere and P. Garcia. A characterization of even linear languages and its application to the learning problem. *Lecture Notes in Computer Science*, 862:38–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ciortuz:1994:OOI**

- [2984] L.-V. Ciortuz. Object-oriented inferences in a logical framework for feature grammars. *Lecture Notes in Computer Science*, 862:45–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jardino:1994:ADS**

- [2985] M. Jardino and G. Adda. Automatic determination of a stochastic bi-gram class language model. *Lecture Notes in Computer Science*, 862:57–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeMarcken:1994:ALP**

- [2986] C. De Marcken. The acquisition of a lexicon from paired phoneme sequences and semantic representations. *Lecture Notes in Computer Science*, 862:66–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DellaPietra:1994:IEL**

- [2987] S. Della Pietra, V. Della Pietra, J. Gillet, and J. Lafferty. Inference and estimation of a long-range trigram model. *Lecture Notes in Computer Science*, 862:78–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Castellanos:1994:AOM**

- [2988] A. Castellanos, I. Galiano, and E. Vidal. Application of OSTIA to machine translation tasks. *Lecture Notes in Computer Science*, 862:93–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stolcke:1994:IPG**

- [2989] A. Stolcke and S. Omohundro. Inducing probabilistic grammars by Bayesian model merging. *Lecture Notes in Computer Science*, 862:106–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Casacuberta:1994:SES**

- [2990] F. Casacuberta. Statistical estimation of stochastic context-free grammars using the inside-outside algorithm and a transformation on grammars. *Lecture Notes in Computer Science*, 862:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sanchez:1994:SIL**

- [2991] J. A. Sanchez and J. M. Benedi. Statistical inductive learning of regular formal languages. *Lecture Notes in Computer Science*, 862:130–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carrasco:1994:LSR**

- [2992] R. C. Carrasco and J. Oncina. Learning stochastic regular grammars by means of a state merging method. *Lecture Notes in Computer Science*, 862:139–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ahonen:1994:FGS**

- [2993] H. Ahonen, H. Mannila, and E. Nikunen. Forming grammars for structured documents: an application of grammatical inference. *Lecture Notes in Computer Science*, 862:153–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lucas:1994:CSS**

- [2994] S. Lucas, E. Vidal, A. Amiri, and S. Hanlon. A comparison of syntactic and statistical techniques for off-line OCR. *Lecture Notes in Computer Science*, 862:168–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ruiz:1994:ARK**

- [2995] J. Ruiz and P. Garcia. The algorithms RT and k-TTI: a first comparison. *Lecture Notes in Computer Science*, 862:180–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roques:1994:DGR**

- [2996] M. Roques. Dynamic grammatical representations in guided propagation networks. *Lecture Notes in Computer Science*, 862:189–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alquezar:1994:HCS**

- [2997] R. Alquezar and A. Sanfeliu. A hybrid connectionist-symbolic approach to regular grammatical inference based on neural learning and hierarchical clustering. *Lecture Notes in Computer Science*, 862:203–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giordano:1994:ICF**

- [2998] J.-Y. Giordano. Inference of context-free grammars by enumeration: Structural containment as an ordering bias. *Lecture Notes in Computer Science*, 862:212–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wyard:1994:RIC**

- [2999] P. Wyard. Representational issues for context free grammar induction using genetic algorithms. *Lecture Notes in Computer Science*, 862:222–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dupont:1994:RGI**

- [3000] P. Dupont. Regular grammatical inference from positive and negative samples by genetic search: the GIG method. *Lecture Notes in Computer Science*, 862:236–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wright:1994:TAI**

- [3001] J. H. Wright, G. J. F. Jones, and H. Lloyd-Thomas. Training and application of integrated grammar/bigram language models. *Lecture Notes in Computer Science*, 862:246–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Osborne:1994:LUB**

- [3002] M. Osborne and D. Bridge. Learning unification-based grammars using the spoken English corpus. *Lecture Notes in Computer Science*, 862:260–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dennis:1994:SOP**

- [3003] M. D. Dennis, A. M. Wallington, and G. R. Sampson. Stochastic optimization of a probabilistic language model. *Lecture Notes in Computer Science*, 862:271–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Young:1994:CAG**

- [3004] S. J. Young and H.-H. Shih. Computer assisted grammar construction. *Lecture Notes in Computer Science*, 862:282–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fix:1994:HVE**

- [3005] L. Fix and F. B. Schneider. Hybrid verification by exploiting the environment. *Lecture Notes in Computer Science*, 863:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hooman:1994:CRT**

- [3006] J. Hooman. Correctness of real time systems by construction. *Lecture Notes in Computer Science*, 863:19–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lampport:1994:SVF**

- [3007] L. Lamport and S. Merz. Specifying and verifying fault-tolerant systems. *Lecture Notes in Computer Science*, 863:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pnueli:1994:DHS**

- [3008] A. Pnueli. Development of hybrid systems. *Lecture Notes in Computer Science*, 863:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhou:1994:LDI**

- [3009] C. Zhou. Linear duration invariants. *Lecture Notes in Computer Science*, 863:86–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arora:1994:ERT**

- [3010] A. Arora. Efficient reconfiguration of trees: A case study in methodical design of nonmasking fault-tolerant programs. *Lecture Notes in Computer Science*, 863:110–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VonderBeeck:1994:CSV**

- [3011] M. Von der Beeck. A comparison of statecharts variants. *Lecture Notes in Computer Science*, 863:128–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benveniste:1994:CSS**

- [3012] A. Benveniste, B. C. Levy, E. Fabre, and P. Le Guernic. A calculus of stochastic systems for the specification, simulation, and hidden state estimation of hybrid stochastic/non-stochastic systems. *Lecture Notes in Computer Science*, 863:149–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bosscher:1994:VAC**

- [3013] D. Bosscher, I. Polak, and F. Vaandrager. Verification of an audio control protocol. *Lecture Notes in Computer Science*, 863:170–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouajjani:1994:VIP**

- [3014] A. Bouajjani, R. Echahed, and R. Robbana. Verifying invariance properties of timed systems with duration variables. *Lecture Notes in Computer Science*, 863:193–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boucheneb:1994:PLT**

- [3015] H. Boucheneb and G. Berthelot. Predicting logical and temporal properties of real-time systems using synchronized elementary nets. *Lecture Notes in Computer Science*, 863:211–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bradley:1994:DIC**

- [3016] S. Bradley, W. Henderson, D. Kendall, and A. Robson. Designing and implementing correct real-time systems. *Lecture Notes in Computer Science*, 863:228–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Broy:1994:SRF**

- [3017] M. Broy and K. Stoelen. Specification and refinement of finite dataflow networks — a relational approach. *Lecture Notes in Computer Science*, 863:247–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gafni:1994:AOS**

- [3018] V. Gafni, A. Yehudai, and Y. A. Feldman. Activation-oriented specification of real-time systems. *Lecture Notes in Computer Science*, 863:268–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**He:1994:PCS**

- [3019] J. He, C. A. R. Hoare, M. Fraenzle, and M. Mueller-Olm. Provably correct systems. *Lecture Notes in Computer Science*, 863:288–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**He:1994:SAP**

- [3020] J. He and J. Zheng. Simulation approach to provably correct hardware compilation. *Lecture Notes in Computer Science*, 863:336–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Henzinger:1994:VMD**

- [3021] T. A. Henzinger and P. W. Kopke. Verification methods for the divergent runs of clock systems. *Lecture Notes in Computer Science*, 863:351–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Janowski:1994:FTB**

- [3022] T. Janowski. Fault-tolerant bisimulation and process transformations. *Lecture Notes in Computer Science*, 863:373–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Janssen:1994:LRT**

- [3023] W. Janssen, M. Poel, Q. Xu, and J. Zwiers. Layering of real-time distributed processes. *Lecture Notes in Computer Science*, 863:393–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jonsson:1994:TRN**

- [3024] B. Jonsson, C. Ho-Stuart, and W. Yi. Testing and refinement for nondeterministic and probabilistic processes. *Lecture Notes in Computer Science*, 863:418–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kapur:1994:PSP**

- [3025] A. Kapur, T. A. Henzinger, Z. Manna, and A. Pnueli. Proving safety properties of hybrid systems. *Lecture Notes in Computer Science*, 863:431–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kearney:1994:LRT**

- [3026] P. Kearney and M. Utting. A layered real-time specification of a RISC processor. *Lecture Notes in Computer Science*, 863:455–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kishore:1994:RTF**

- [3027] J. K. Kishore, R. S. Manjunatha, V. K. Agrawal, and N. K. Malik. A real time fault tolerant microprocessor based on-board computer system for INSAT-2 spacecraft. *Lecture Notes in Computer Science*, 863:476–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lakhneche:1994:RAD**

- [3028] Y. Lakhneche and J. Hooman. Reasoning about durations in metric temporal logic. *Lecture Notes in Computer Science*, 863:488–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**LeLann:1994:SCR**

- [3029] G. Le Lann. Scheduling in critical real-time systems: a manifesto. *Lecture Notes in Computer Science*, 863:511–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liu:1994:SDF**

- [3030] Z. Liu and M. Joseph. Stepwise development of fault-tolerant reactive systems. *Lecture Notes in Computer Science*, 863:529–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maffeis:1994:DIS**

- [3031] O. Maffeis and P. Le Guernic. Distributed implementation of SIGNAL: Scheduling and graph clustering. *Lecture Notes in Computer Science*, 863:547–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mori:1994:DIC**

- [3032] R. Mori and N. Yonezaki. Derivation of the input conditional formula from a reactive system specification in temporal logic. *Lecture Notes in Computer Science*, 863:567–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nadjm-Tehrani:1994:PMC**

- [3033] S. Nadjm-Tehrani and J.-E. Stroemberg. From physical modelling to compositional models of hybrid systems. *Lecture Notes in Computer Science*, 863:583–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schenke:1994:STR**

- [3034] M. Schenke. Specification and transformation of reactive systems with time restrictions and concurrency. *Lecture Notes in Computer Science*, 863:605–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shyamasundar:1994:LRS**

- [3035] R. K. Shyamasundar and S. Ramesh. Languages for reactive specifications: Synchrony vs asynchrony. *Lecture Notes in Computer Science*, 863:621–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sipma:1994:SVC**

- [3036] H. B. Sipma and Z. Manna. Specification and verification of controlled systems. *Lecture Notes in Computer Science*, 863:641–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Skakkebaek:1994:TDC**

- [3037] Jens Ulrik Skakkebaek and N. Shankar. Towards a duration calculus proof assistant in PVS. *Lecture Notes in Computer Science*, 863:660–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yi:1994:ARR**

- [3038] W. Yi. Algebraic reasoning for real-time probabilistic processes with uncertain information. *Lecture Notes in Computer Science*, 863:680–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wilke:1994:STS**

- [3039] T. Wilke. Specifying timed state sequences in powerful decidable logics and timed automata. *Lecture Notes in Computer Science*, 863:694–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yu:1994:CHS**

- [3040] H. Yu, P. K. Pandya, and Y. Sun. A calculus for hybrid sampled data systems. *Lecture Notes in Computer Science*, 863:716–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yu:1994:FDH**

- [3041] X. Yu, J. Wang, C. Zhou, and P. K. Pandya. Formal design of hybrid systems. *Lecture Notes in Computer Science*, 863:738–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zheng:1994:FPD**

- [3042] Y. Zheng and C. Zhou. A formal proof of the deadline driven scheduler. *Lecture Notes in Computer Science*, 863:756–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Getzinger:1994:CBA**

- [3043] T. W. Getzinger. The costs and benefits of abstract interpretation-driven Prolog optimization. *Lecture Notes in Computer Science*, 864:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hanus:1994:MAF**

- [3044] M. Hanus and F. Zartmann. Mode analysis of functional logic programs. *Lecture Notes in Computer Science*, 864:26–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aiken:1994:DTC**

- [3045] A. Aiken and T. K. Lakshman. Directional type checking of logic programs. *Lecture Notes in Computer Science*, 864:43–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boulanger:1994:SCA**

- [3046] D. Boulanger and M. Bruynooghe. A systematic construction of abstract domains. *Lecture Notes in Computer Science*, 864:61–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agesen:1994:CBT**

- [3047] O. Agesen. Constraint-based type inference and parametric polymorphism. *Lecture Notes in Computer Science*, 864:78–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mueller:1994:EFA**

- [3048] F. Mueller and D. B. Whalley. Efficient on-the-fly analysis of program behavior and static cache simulation. *Lecture Notes in Computer Science*, 864:101–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harcourt:1994:PTS**

- [3049] E. Harcourt, J. Mauney, and T. Cook. From processor timing specifications to static instruction scheduling. *Lecture Notes in Computer Science*, 864:116–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Banerjee:1994:SST**

- [3050] A. Banerjee and D. A. Schmidt. Stackability in the simply-typed call-by-value lambda calculus. *Lecture Notes in Computer Science*, 864:131–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goubault:1994:GBC**

- [3051] J. Goubault. Generalized boxings, congruences and partial inlining. *Lecture Notes in Computer Science*, 864:147–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Steckler:1994:ST**

- [3052] P. Steckler and M. Wand. Selective thunkification. *Lecture Notes in Computer Science*, 864:162–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Halbwachs:1994:ASP**

- [3053] N. Halbwachs. About synchronous programming and abstract interpretation. *Lecture Notes in Computer Science*, 864:179–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garza-Salazar:1994:UCA**

- [3054] D. Garza-Salazar and W. Boehm. Uniqueness and completeness analysis of array comprehensions. *Lecture Notes in Computer Science*, 864:193–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lisper:1994:EAD**

- [3055] B. Lisper and J.-F. Collard. Extent analysis of data fields. *Lecture Notes in Computer Science*, 864:208–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Halbwachs:1994:VLH**

- [3056] N. Halbwachs, Y.-E. Proy, and P. Raymond. Verification of linear hybrid systems by means of convex approximations. *Lecture Notes in Computer Science*, 864:223–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yi:1994:CTD**

- [3057] K. Yi. Compile-time detection of uncaught exceptions in standard ML programs. *Lecture Notes in Computer Science*, 864:238–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Debray:1994:ECC**

- [3058] S. K. Debray, P. Lopez Garcia, M. Hermenegildo, and N.-W. Lin. Estimating the computational cost of logic programs. *Lecture Notes in Computer Science*, 864:255–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Armstrong:1994:BFD**

- [3059] T. Armstrong, K. Marriott, P. Schachte, and H. Soendergaard. Boolean functions for dependency analysis: Algebraic properties and efficient representation. *Lecture Notes in Computer Science*, 864:266–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Codish:1994:DPT**

- [3060] M. Codish and B. Demoen. Deriving polymorphic type dependencies for logic programs using multiple incarnations of prop. *Lecture Notes in Computer Science*, 864:281–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gras:1994:ENS**

- [3061] D. C. Gras and M. Hermenegildo. Extracting non-strict independent and-parallelism using sharing and freeness information. *Lecture Notes in Computer Science*, 864:297–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vergauwen:1994:EFC**

- [3062] B. Vergauwen, J. Wauman, and J. Lewi. Efficient FixPoint computation. *Lecture Notes in Computer Science*, 864:314–??, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Joergensen:1994:FFF**

- [3063] N. Joergensen. Finding fixpoints in finite function spaces using neededness analysis and chaotic iteration. *Lecture Notes in Computer Science*, 864:329–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jensen:1994:ESA**

- [3064] K. D. Jensen, P. Hjoeresen, and M. Rosendahl. Efficient strictness analysis of haskell. *Lecture Notes in Computer Science*, 864:346–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mauborgne:1994:AIU**

- [3065] L. Mauborgne. Abstract interpretation using TDGs. *Lecture Notes in Computer Science*, 864:363–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hankin:1994:TBF**

- [3066] C. Hankin and D. Le Metayer. A type-based framework for program analysis. *Lecture Notes in Computer Science*, 864:380–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Henglein:1994:IFP**

- [3067] F. Henglein. Iterative fixed point computation for type-based strictness analysis. *Lecture Notes in Computer Science*, 864:395–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Solberg:1994:STA**

- [3068] K. L. Solberg, H. R. Nielson, and F. Nielson. Strictness and totality analysis. *Lecture Notes in Computer Science*, 864:408–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Consel:1994:FSA**

- [3069] C. Consel. Fast strictness analysis via symbolic fixpoint iteration. *Lecture Notes in Computer Science*, 864:423–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Glueck:1994:GTD**

- [3070] R. Glueck and J. Joergensen. Generating transformers for deforestation and supercompilation. *Lecture Notes in Computer Science*, 864:432–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Khoshnevisan:1994:MEC**

- [3071] H. Khoshnevisan and M. Afshar. Mechanical elimination of commutative redundancy. *Lecture Notes in Computer Science*, 864:449–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Radcliffe:1994:FMA**

- [3072] N. J. Radcliffe and P. D. Surry. Formal memetic algorithms. *Lecture Notes in Computer Science*, 865:1–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shapiro:1994:SMF**

- [3073] J. Shapiro, A. Pruegel-Bennett, and M. Rattray. A statistical mechanical

formulation of the dynamics of genetic algorithms. *Lecture Notes in Computer Science*, 865:17–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yates:1994:ESS**

- [3074] D. F. Yates and A. Fairley. Evolutionary stability in simple classifier systems. *Lecture Notes in Computer Science*, 865:28–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Field:1994:NTG**

- [3075] P. Field. Nonbinary transforms for genetic algorithm problems. *Lecture Notes in Computer Science*, 865:38–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paton:1994:EEC**

- [3076] R. Paton. Enhancing evolutionary computation using analogues of biological mechanisms. *Lecture Notes in Computer Science*, 865:51–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Miller:1994:EMC**

- [3077] G. F. Miller. Exploiting mate choice in evolutionary computation: Sexual selection as a process of search, optimisation and diversification. *Lecture Notes in Computer Science*, 865:65–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hancock:1994:ECS**

- [3078] P. J. B. Hancock. An empirical comparison of selection methods in evolutionary algorithms. *Lecture Notes in Computer Science*, 865:80–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bull:1994:ESG**

- [3079] L. Bull and T. C. Fogarty. An evolution strategy and genetic algorithm hybrid: An initial implementation and first results. *Lecture Notes in Computer Science*, 865:95–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coyne:1994:GAD**

- [3080] J. Coyne and R. Paton. Genetic algorithms and directed adaptation. *Lecture Notes in Computer Science*, 865:103–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reeves:1994:GAN**

- [3081] C. R. Reeves. Genetic algorithms and neighbourhood search. *Lecture Notes in Computer Science*, 865:115–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kapsalis:1994:UPP**

- [3082] A. Kapsalis, G. D. Smith, and V. J. Rayward-Smith. A unified paradigm for parallel genetic algorithms. *Lecture Notes in Computer Science*, 865:131–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Husbands:1994:DCG**

- [3083] P. Husbands. Distributed coevolutionary genetic algorithms for multi-criteria and multi-constraint optimisation. *Lecture Notes in Computer Science*, 865:150–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fairley:1994:IOR**

- [3084] A. Fairley and D. F. Yates. Inductive operators and rule repair in a hybrid genetic learning system: Some initial results. *Lecture Notes in Computer Science*, 865:166–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Patel:1994:ALR**

- [3085] M. J. Patel and M. Dorigo. Adaptive learning of a robot arm. *Lecture Notes in Computer Science*, 865:180–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fogarty:1994:CEC**

- [3086] T. C. Fogarty. Co-evolving co-operative populations of rules in learning control systems. *Lecture Notes in Computer Science*, 865:195–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carse:1994:LAB**

- [3087] B. Carse. Learning anticipatory behaviour using a delayed action classifier system. *Lecture Notes in Computer Science*, 865:210–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Melhuish:1994:ARM**

- [3088] C. Melhuish and T. C. Fogarty. Applying a restricted mating policy to determine state space niches using immediate and delayed reinforcement. *Lecture Notes in Computer Science*, 865:224–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Pipe:1994:CBT**

- [3089] A. G. Pipe and B. Carse. A comparison between two architectures for searching and learning in maze problems. *Lecture Notes in Computer Science*, 865:238–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corne:1994:FPE**

- [3090] D. Corne, P. Ross, and H.-L. Fang. Fast practical evolutionary timetabling. *Lecture Notes in Computer Science*, 865:250–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paechter:1994:OPT**

- [3091] B. Paechter. Optimising a presentation timetable using evolutionary algorithms. *Lecture Notes in Computer Science*, 865:264–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cartwright:1994:GAF**

- [3092] H. M. Cartwright and A. L. Tuson. Genetic algorithms and flowshop scheduling: Towards the development of a real-time process control system. *Lecture Notes in Computer Science*, 865:277–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**White:1994:GAD**

- [3093] M. S. White and S. J. Flockton. Genetic algorithms for digital signal processing. *Lecture Notes in Computer Science*, 865:291–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beasley:1994:CRU**

- [3094] D. Beasley, D. R. Bull, and R. R. Martin. Complexity reduction using expansive coding. *Lecture Notes in Computer Science*, 865:304–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Howard:1994:AGP**

- [3095] E. Howard and N. Oakley. The application of genetic programming to the investigation of short, noisy, chaotic data series. *Lecture Notes in Computer Science*, 865:320–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Whitley:1994:LEB**

- [3096] D. Whitley, V. S. Gordon, and K. Mathias. Lamarckian evolution, the baldwin effect and function optimization. *Lecture Notes in Computer Science*, 866:6–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mattfeld:1994:CPP**

- [3097] D. C. Mattfeld, H. Kopfer, and C. Bierwirth. Control of parallel population dynamics by social-like behavior of GA-Individuals. *Lecture Notes in Computer Science*, 866:16–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chiva:1994:SGP**

- [3098] E. Chiva and P. Tarroux. Studying genotype-phenotype interactions: A model of the evolution of the cell regulation network. *Lecture Notes in*

*Computer Science*, 866:26–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yoshida:1994:DGA**

- [3099] Y. Yoshida and N. Adachi. A diploid genetic algorithm for preserving population diversity — pseudo-meiosis GA. *Lecture Notes in Computer Science*, 866:36–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paredis:1994:CEC**

- [3100] J. Paredis. Co-evolutionary constraint satisfaction. *Lecture Notes in Computer Science*, 866:46–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beyer:1994:TTE**

- [3101] H.-G. Beyer. Towards a theory of evolution strategies: Results for  $(1+, \lambda)$ -strategies on (nearly) arbitrary fitness functions. *Lecture Notes in Computer Science*, 866:58–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dzuber:1994:ACA**

- [3102] J. Dzuber and D. Whitley. Advanced correlation analysis of operators for the traveling salesman problem. *Lecture Notes in Computer Science*, 866:68–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eiben:1994:GAM**

- [3103] A. E. Eiben, P.-E. Raue, and Z. Rutkay. Genetic algorithms with multi-parent recombination. *Lecture Notes in Computer Science*, 866:78–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asoh:1994:MCT**

- [3104] H. Asoh and H. Muehlenbein. On the mean convergence time of evolutionary algorithms without selection and mutation. *Lecture Notes in Computer Science*, 866:88–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asoh:1994:EHD**

- [3105] H. Asoh and H. Muehlenbein. Estimating the heritability by decomposing the genetic variance. *Lecture Notes in Computer Science*, 866:98–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bui:1994:AHS**

- [3106] T. N. Bui and B.-R. Moon. Analyzing hyperplane synthesis in genetic algorithms using clustered schemata. *Lecture Notes in Computer Science*, 866:108–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thierens:1994:CMG**

- [3107] D. Thierens and D. Goldberg. Convergence models of genetic algorithm selection schemes. *Lecture Notes in Computer Science*, 866:119–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakano:1994:OPS**

- [3108] R. Nakano, Y. Davidor, and T. Yamada. Optimal population size under constant computation cost. *Lecture Notes in Computer Science*, 866:130–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Rudolph:1994:EAI**

- [3109] G. Rudolph. An evolutionary algorithm for integer programming. *Lecture Notes in Computer Science*, 866:139–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Horn:1994:LPP**

- [3110] J. Horn, D. E. Goldberg, and K. Deb. Long path problems. *Lecture Notes in Computer Science*, 866:149–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hammel:1994:ESN**

- [3111] U. Hammel and T. Baeck. Evolution strategies on noisy functions: How to improve convergence properties. *Lecture Notes in Computer Science*, 866:159–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pal:1994:SSS**

- [3112] K. F. Pal. Selection schemes with spatial isolation for genetic optimization. *Lecture Notes in Computer Science*, 866:170–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tang:1994:MER**

- [3113] A. Y.-C. Tang and K.-S. Leung. A modified edge recombination operator for the travelling salesman problem. *Lecture Notes in Computer Science*, 866:180–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ostermeier:1994:SSA**

- [3114] A. Ostermeier, A. Gawelczyk, and N. Hansen. Step-size adaptation based on non-local use of selection information. *Lecture Notes in Computer Science*, 866:189–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schlierkamp-Voosen:1994:SAC**

- [3115] D. Schlierkamp-Voosen and H. Muehlenbein. Strategy adaptation by competing subpopulations. *Lecture Notes in Computer Science*, 866:199–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sebag:1994:CCT**

- [3116] M. Sebag and M. Schoenauer. Controlling crossover through inductive learning. *Lecture Notes in Computer Science*, 866:209–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lorenz:1994:DOP**

- [3117] D. H. Lorenz. Derivative operators for preference predicate evolution. *Lecture Notes in Computer Science*, 866:219–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**White:1994:ACU**

- [3118] T. White and F. Oppacher. Adaptive crossover using automata. *Lecture Notes in Computer Science*, 866:229–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sakanashi:1994:CDG**

- [3119] H. Sakanashi, K. Suzuki, and Y. Kakazu. Controlling dynamics of GA through filtered evaluation function. *Lecture Notes in Computer Science*, 866:239–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Potter:1994:CCA**

- [3120] M. A. Potter and K. A. De Jong. A cooperative coevolutionary approach to function optimization. *Lecture Notes in Computer Science*, 866:249–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carse:1994:FCS**

- [3121] B. Carse and T. C. Fogarty. A fuzzy classifier system using the pittsburgh approach. *Lecture Notes in Computer Science*, 866:260–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giani:1994:QLE**

- [3122] A. Giani, F. Baiardi, and A. Starita. Q-learning in evolutionary rule-based systems. *Lecture Notes in Computer Science*, 866:270–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hartmann:1994:CLC**

- [3123] U. Hartmann. On the complexity of learning in classifier systems. *Lecture Notes in Computer Science*, 866:280–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).



**Wineberg:1994:RSP**

- [3124] M. Wineberg and F. Oppacher. A representation scheme to perform program induction in a canonical genetic algorithm. *Lecture Notes in Computer Science*, 866:292–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Iba:1994:GPL**

- [3125] H. Iba, H. De Garis, and T. Sato. Genetic programming with local hill-climbing. *Lecture Notes in Computer Science*, 866:302–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gathercole:1994:DTS**

- [3126] C. Gathercole and P. Ross. Dynamic training subset selection for supervised learning in genetic programming. *Lecture Notes in Computer Science*, 866:312–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Banzhaf:1994:GPM**

- [3127] W. Banzhaf. Genotype-phenotype-mapping and neutral variation — A case study in genetic programming. *Lecture Notes in Computer Science*, 866:322–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jacob:1994:GSP**

- [3128] C. Jacob. Genetic L-system programming. *Lecture Notes in Computer Science*, 866:334–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Das:1994:GAD**

- [3129] R. Das, M. Mitchell, and J. P. Crutchfield. A genetic algorithm discovers particle-based computation in cellular automata. *Lecture Notes in Computer Science*, 866:344–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeOliveira:1994:SEB**

- [3130] P. P. B. De Oliveira. Simulation of exaptive behaviour. *Lecture Notes in Computer Science*, 866:354–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Inayoshi:1994:ASP**

- [3131] H. Inayoshi. Artificial spacing patterns in a network of interacting celoids. *Lecture Notes in Computer Science*, 866:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muruzabal:1994:DPL**

- [3132] J. Muruzabal and A. Muthoz. Diffuse pattern learning with fuzzy ARTMAP and PASS. *Lecture Notes in Computer Science*, 866:376–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Heistermann:1994:DLA**

- [3133] J. Heistermann. Different learning algorithms for neural networks — A comparative study. *Lecture Notes in Computer Science*, 866:386–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**OReilly:1994:PSH**

- [3134] U.-M. O'Reilly and F. Oppacher. Program search with a hierarchical variable length representation: Genetic programming, simulated annealing and hill climbing. *Lecture Notes in Computer Science*, 866:397-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Laursen:1994:PIP**

- [3135] P. S. Laursen. Problem-independent parallel simulated annealing using selection and migration. *Lecture Notes in Computer Science*, 866:408-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baeck:1994:POE**

- [3136] T. Baeck. Parallel optimization of evolutionary algorithms. *Lecture Notes in Computer Science*, 866:418-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:PSA**

- [3137] H. Chen and N. S. Flann. Parallel simulated annealing and genetic algorithms: A space of hybrid methods. *Lecture Notes in Computer Science*, 866:428-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Braun:1994:EMH**

- [3138] H. Braun and P. Zagorski. ENZOM — A hybrid approach for optimizing neural networks by evolution and learning. *Lecture Notes in Computer Science*, 866:440-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ronald:1994:GLE**

- [3139] E. Ronald and M. Schoenauer. Genetic lander: An experiment in accurate neuro-genetic control. *Lecture Notes in Computer Science*, 866:452-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1994:EOR**

- [3140] B.-T. Zhang. Effects of Occam's razor in evolving sigma-pi neural nets. *Lecture Notes in Computer Science*, 866:462-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Born:1994:DNN**

- [3141] J. Born, I. Santibathes-Koref, and H.-M. Voigt. Designing neural networks by adaptively building blocks in cascades. *Lecture Notes in Computer Science*, 866:472-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pipe:1994:HAH**

- [3142] A. G. Pipe, T. C. Fogarty, and A. Winfield. Hybrid adaptive heuristic critic architectures for learning in mazes with continuous search spaces. *Lecture Notes in Computer Science*, 866:482-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Utecht:1994:MOS**

- [3143] U. Utecht and K. Trint. Mutation operators for structure evolution of neural networks. *Lecture Notes in Computer Science*, 866:492-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seredynski:1994:LCD**

- [3144] F. Seredynski. Loosely coupled distributed genetic algorithms. *Lecture Notes in Computer Science*, 866:514–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Higuchi:1994:AEH**

- [3145] T. Higuchi, H. Iba, and B. Manderick. Applying evolvable hardware to autonomous agents. *Lecture Notes in Computer Science*, 866:524–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marin:1994:GAL**

- [3146] F. J. Marin, O. Trelles-Salazar, and F. Sandoval. Genetic algorithms on LAN-Message passing architectures using application to the routing problem. *Lecture Notes in Computer Science*, 866:534–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hill:1994:GAB**

- [3147] A. M. Hill and S.-M. Kang. Genetic algorithm based design optimization of CMOS VLSI circuits. *Lecture Notes in Computer Science*, 866:546–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ross:1994:IET**

- [3148] P. Ross, D. Corne, and H.-L. Fang. Improving evolutionary timetabling with delta evaluation and directed mutation. *Lecture Notes in Computer Science*, 866:556–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanWezel:1994:GIR**

- [3149] M. C. Van Wezel, J. N. Kok, J. Van den Berg, and W. Van Kampen. Genetic improvement of railway timetables. *Lecture Notes in Computer Science*, 866:566–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cobb:1994:UGA**

- [3150] H. G. Cobb and P. Bock. Using a genetic algorithm to search for the representational bias of a collective reinforcement learner. *Lecture Notes in Computer Science*, 866:576–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lienig:1994:EAR**

- [3151] J. Lienig and H. Brandt. An evolutionary algorithm for the routing of multi-chip modules. *Lecture Notes in Computer Science*, 866:588–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pullen:1994:SDU**

- [3152] S. P. Pullen and B. W. Parkinson. System design under uncertainty: Evolutionary optimization of the gravity probe-B spacecraft. *Lecture Notes in Computer Science*, 866:598–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Karcz-Duleba:1994:SSD**

- [3153] I. Karcz-Duleba. Soft selection in D-optimal designs. *Lecture Notes in Computer Science*, 866:608–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Inayoshi:1994:WGB**

- [3154] H. Inayoshi and B. Manderick. The weighted graph bi-partitioning problem: A look at GA performance. *Lecture Notes in Computer Science*, 866:617–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Surry:1994:RLP**

- [3155] P. D. Surry and N. J. Radcliffe. RPL2: A language and parallel framework for evolutionary computing. *Lecture Notes in Computer Science*, 866:628–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schreiber:1994:CCC**

- [3156] G. Schreiber, B. Wielinga, H. Akkermans, and W. Van de Velde. CML: The CommonKADS conceptual modelling language. *Lecture Notes in Computer Science*, 867:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ruiz:1994:EFM**

- [3157] F. Ruiz, F. Van Harmelen, M. Aben, and J. Van de Plassche. Evaluating a formal modelling language. *Lecture Notes in Computer Science*, 867:26–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fensel:1994:CTA**

- [3158] D. Fensel and K. Poeck. A comparison of two approaches to model-based knowledge acquisition. *Lecture Notes in Computer Science*, 867:46–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dieng:1994:ABK**

- [3159] R. Dieng, O. Corby, and S. Labidi. Agent-based knowledge acquisition. *Lecture Notes in Computer Science*, 867:63–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schmalhofer:1994:BKL**

- [3160] F. Schmalhofer, J. Stuart Aitken, and L. E. Bourne. Beyond the knowledge level: Descriptions of rational behavior for sharing and reuse. *Lecture Notes in Computer Science*, 867:83–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Compton:1994:LPP**

- [3161] P. Compton, P. Preston, B. Kang, and T. Yip. Local patching produces compact knowledge bases. *Lecture Notes in Computer Science*, 867:104–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Breuker:1994:CPS**

- [3162] J. Breuker. Components of problem solving and types of problems. *Lecture Notes in Computer Science*, 867:118–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benjamins:1994:RPS**

- [3163] R. Benjamins. On a role of problem solving methods in knowledge acquisition — experiments with diagnostic strategies. *Lecture Notes in Computer Science*, 867:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cathamero:1994:MPR**

- [3164] D. Cathamero. Modelling plan recognition for decision support. *Lecture Notes in Computer Science*, 867:158–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanHeijst:1994:COB**

- [3165] G. Van Heijst and G. Schreiber. CUE: Ontology-based knowledge acquisition. *Lecture Notes in Computer Science*, 867:178–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pirlein:1994:KIE**

- [3166] T. Pirlein and R. Studer. KARO: An integrated environment for reusing ontologies. *Lecture Notes in Computer Science*, 867:200–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Geldof:1994:VMG**

- [3167] S. Geldof and A. Slodzian. From verification to modelling guidelines. *Lecture Notes in Computer Science*, 867:226–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andrienko:1994:AAC**

- [3168] G. L. Andrienko and N. V. Andrienko. AFORIZM approach: Creating situations to facilitate expertise transfer. *Lecture Notes in Computer Science*, 867:244–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aussenac-Gilles:1994:HCD**

- [3169] N. Aussenac-Gilles. How to combine data abstraction and model refinement: a methodological contribution in MACAO. *Lecture Notes in Computer Science*, 867:262–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brazier:1994:UCK**

- [3170] F. M. T. Brazier and J. Treur. User centered knowledge-based system design: a formal modelling approach. *Lecture Notes in Computer Science*, 867:283–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tourtier:1994:VES**

- [3171] P.-A. Tourtier and S. Boyera. Validating at early stages with a causal simulation tool. *Lecture Notes in Computer Science*, 867:303–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yost:1994:SFA**

- [3172] G. R. Yost, G. Klinker, M. Linster, and D. Marques. The SBF framework, 1989–1994: From applications to workplaces. *Lecture Notes in Computer Science*, 867:318–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Major:1994:ARM**

- [3173] N. Major, J. Cupit, and N. Shadbolt. Applying the REKAP methodology to situation assessment. *Lecture Notes in Computer Science*, 867:342–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arcos:1994:ILK**

- [3174] J. L. Arcos and E. Plaza. Integration of learning into a knowledge modelling framework. *Lecture Notes in Computer Science*, 867:355–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rouveirol:1994:KLM**

- [3175] C. Rouveirol and P. Albert. Knowledge level model of a configurable learning system. *Lecture Notes in Computer Science*, 867:374–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stroulia:1994:RSA**

- [3176] E. Stroulia and A. K. Goel. Reflective, self-adaptive problem solvers. *Lecture Notes in Computer Science*, 867:394–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Georganas:1994:SSF**

- [3177] N. D. Georganas. Self-similar (“fractal”) traffic driving an ATM networks. *Lecture Notes in Computer Science*, 868:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nahrstedt:1994:SKM**

- [3178] K. Nahrstedt and J. Smith. A service kernel for multimedia endstations. *Lecture Notes in Computer Science*, 868:8–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reinhardt:1994:ARN**

- [3179] W. Reinhardt. Advance reservation of network resources for multimedia applications. *Lecture Notes in Computer Science*, 868:23–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaepfner:1994:MSD**

- [3180] T. Kaepfner and L. C. Wolf. Media scaling in distributed multimedia object services. *Lecture Notes in Computer Science*, 868:34–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Achilleoudis:1994:ICT**

- [3181] N. Achilleoudis, J. Lamour, and F. Daffara. An interactive cable television network for multimedia applications. *Lecture Notes in Computer Science*, 868:44–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bertin:1994:EIP**

- [3182] C. Bertin. Eurescom IMS1 projects (integrated multimedia services at about 1 mbit/s). *Lecture Notes in Computer Science*, 868:53–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sung:1994:HIR**

- [3183] J.-J. Sung, M.-Y. Huh, H.-J. Kim, and J.-H. Hahm. Hypermedia information retrieval system using MHEG coded representation in a networked environment. *Lecture Notes in Computer Science*, 868:67–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Droz:1994:TAL**

- [3184] P. Droz and J.-Y. Le Boudec. Transparent ATM LAN interconnection over ISDN. *Lecture Notes in Computer Science*, 868:78–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wittig:1994:CUM**

- [3185] H. Wittig, L. C. Wolf, and C. Vogt. CPU utilization of multimedia processes: HEIPOET — the Heidelberg Predictor of Execution Times Measurement Tool. *Lecture Notes in Computer Science*, 868:92–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barth:1994:ERM**

- [3186] I. Barth. Extending the rate-monotonic scheduling algorithm to get shorter delays. *Lecture Notes in Computer Science*, 868:104–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liu:1994:MAA**

- [3187] W. Liu. A multimedia application adaptation layer (MAAL) protocol. *Lecture Notes in Computer Science*, 868:115–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carle:1994:ALG**

- [3188] G. Carle. Adaptation layer and group communication server for reliable multipoint services in ATM networks. *Lecture Notes in Computer Science*, 868:124–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boecking:1994:TTI**

- [3189] S. Boecking and P. Vindeby. TIP: A transport and internetworking package for ATM. *Lecture Notes in Computer Science*, 868:139–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pronios:1994:MHS**

- [3190] N. B. Pronios and T. Bozios. Multimedia and hypermedia synchronisation: A unified framework. *Lecture Notes in Computer Science*, 868:153–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koehler:1994:MPS**

- [3191] D. Koehler and H. Mueller. Multimedia playout synchronisation using buffer level control. *Lecture Notes in Computer Science*, 868:167–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lamparter:1994:ECC**

- [3192] B. Lamparter and W. Effelsberg. eXtended color cell compression — A runtime-efficient compression scheme for software video. *Lecture Notes in Computer Science*, 868:181–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yeadon:1994:QAF**

- [3193] N. Yeadon, F. Garcia, A. Campbell, and D. Hutchison. QoS adaptation and flow filtering in ATM networks. *Lecture Notes in Computer Science*, 868:191–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Frings:1994:ORM**

- [3194] J. Frings and T. Bauschert. Optimal resource management in ATM transport networks supporting multimedia traffic. *Lecture Notes in Computer Science*, 868:203–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bahr:1994:ISF**

- [3195] K. Bahr, E. Hinsch, and G. Schulze. Incorporating security functions in multimedia conferencing applications in the context of the MICE project. *Lecture Notes in Computer Science*, 868:216–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bunz:1994:SMA**

- [3196] H. Bunz, A. Bertsch, M. Jurecic, and B. Baum-Waidner. Secure multimedia applications and teleservices — security requirements and prototype for health care. *Lecture Notes in Computer Science*, 868:224–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Altenhofen:1994:BMT**

- [3197] M. Altenhofen, J. Schaper, and S. Thomas. The BERKOM multimedia teleservices. *Lecture Notes in Computer Science*, 868:237–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**RozeK:1994:CMCa**

- [3198] A. RozeK and P. Christ. The CIO multimedia communication platform. *Lecture Notes in Computer Science*, 868:251–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Mauthe:1994:RSG**

- [3199] A. Mauthe, D. Hutchison, G. Coulson, and S. Namuye. From requirements to services: Group communication support for distributed multimedia systems. *Lecture Notes in Computer Science*, 868:266–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blakowski:1994:HIF**

- [3200] G. Blakowski and W. Steinbeck. Harmonization of an infrastructure for flexible distance learning in Europe with CTA. *Lecture Notes in Computer Science*, 868:280–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Velez:1994:DMT**

- [3201] J. M. Velez, M. R. Gomes, B. Tritsch, and C. Hornung. Dedicated — modular training system (DELTA project D2014). *Lecture Notes in Computer Science*, 868:300–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pusztaszeri:1994:MTT**

- [3202] Y.-H. Pusztaszeri, M. Alou, E. W. Biersack, and P. Dubois. Multimedia tutoring over a Trans-European ATM network. *Lecture Notes in Computer Science*, 868:315–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schmidt:1994:FST**

- [3203] T. Schmidt, J. Schweitzer, and M. Weber. A framework for synchronous



tele-cooperation. *Lecture Notes in Computer Science*, 868:328–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leydekkers:1994:MCS**

- [3204] P. Leydekkers and V. Gay. Multimedia conferencing services in an open distributed environment. *Lecture Notes in Computer Science*, 868:339–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeMiguel:1994:IED**

- [3205] T. P. De Miguel, S. Pavon, J. Salvachua, and J. Quemada Vives. ISABEL — experimental distributed cooperative work application over broadband networks. *Lecture Notes in Computer Science*, 868:353–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Strack:1994:DIC**

- [3206] R. Strack, R. Cordes, and D. C. Sutcliffe. Demonstrating image communication within open distributed environments. *Lecture Notes in Computer Science*, 868:363–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dempsey:1994:DIH**

- [3207] B. J. Dempsey, M. T. Lucas, and A. C. Weaver. Design and implementation of a high quality video distribution system using XTP reliable multicast. *Lecture Notes in Computer Science*, 868:376–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Strayer:1994:OOI**

- [3208] W. T. Strayer, S. Gray, and R. E. Cline. An object-oriented implementation of the Xpress transfer protocol. *Lecture Notes in Computer Science*, 868:387–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rakow:1994:DMA**

- [3209] T. C. Rakow, P. Dettling, F. Moser, and B. Paul. Development of a multimedia archiving teleservice using the DFR standard. *Lecture Notes in Computer Science*, 868:401–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaeckenhoff:1994:MMO**

- [3210] R. Kaeckenhoff, D. Merten, and K. Meyer-Wegener. MOSS as a multimedia-object server. *Lecture Notes in Computer Science*, 868:413–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gervais:1994:UPT**

- [3211] M.-P. Gervais. The universal personal telecommunication service in a multi-operator environment. *Lecture Notes in Computer Science*, 868:426–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eckardt:1994:PCI**

- [3212] T. Eckardt and T. Magedanz. On the personal communication impacts on multimedia teleservices. *Lecture Notes in Computer Science*, 868:435–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Campbell:1994:DES**

- [3213] W. J. Campbell, N. M. Short, P. Coronado, and R. F. Crompt. Distributed earth science validation centers for mission to planet Earth. *Lecture Notes in Computer Science*, 869:1-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chandrasekaran:1994:CUR**

- [3214] B. Chandrasekaran. Causal understanding in reasoning about the world. *Lecture Notes in Computer Science*, 869:13-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fox:1994:HMI**

- [3215] E. A. Fox. How to make intelligent digital libraries. *Lecture Notes in Computer Science*, 869:27-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meersman:1994:SMR**

- [3216] R. A. Meersman. Some methodology and representation problems for the semantics of prosaic application domains. *Lecture Notes in Computer Science*, 869:39-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jamil:1994:RCE**

- [3217] H. M. Jamil and F. Sadri. Recognizing credible experts in inaccurate databases. *Lecture Notes in Computer Science*, 869:46-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kundu:1994:FLL**

- [3218] S. Kundu and J. Chen. Fuzzy logic or Lukasiewicz logic: a clarification. *Lecture Notes in Computer Science*, 869:56-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1994:LSA**

- [3219] T. Y. Lin, Q. Liu, and Y. Y. Yao. Logic systems for approximate reasoning: via rough sets and topology. *Lecture Notes in Computer Science*, 869:65-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lu:1994:SFF**

- [3220] J. J. Lu, N. V. Murray, and E. Rosenthal. Signed formulas and fuzzy operator logics. *Lecture Notes in Computer Science*, 869:75-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Polkowski:1994:RM**

- [3221] L. Polkowski and A. Skowron. Rough mereology. *Lecture Notes in Computer Science*, 869:85-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shi:1994:NRU**

- [3222] S. L. Shi, M. E. Hull, and D. A. Bell. A new rule for updating evidence. *Lecture Notes in Computer Science*, 869:95-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wang:1994:GMA**

- [3223] Z. W. Wang and S. K. M. Wong. A global measure of ambiguity for classification. *Lecture Notes in Computer*

*Science*, 869:105-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zilberstein:1994:MLC**

- [3224] S. Zilberstein. Meta-level control of approximate reasoning: a decision theoretic approach. *Lecture Notes in Computer Science*, 869:114-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Michalewicz:1994:GAK**

- [3225] Z. Michalewicz and J. Arabas. Genetic algorithms for the 0/1 knapsack problem. *Lecture Notes in Computer Science*, 869:134-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andreasen:1994:WFR**

- [3226] T. Andreasen and O. Pivert. On the weakening of fuzzy relational queries. *Lecture Notes in Computer Science*, 869:144-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chang:1994:TQR**

- [3227] Y. Chang, L. Raschid, and B. Dorr. Transforming queries from a relational schema to an object schema: a prototype based on F-logic. *Lecture Notes in Computer Science*, 869:154-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cheung:1994:KDD**

- [3228] D. W.-I. Cheung, A. W.-C. Fu, and J. Han. Knowledge discovery in databases: a rule-based attribute-oriented approach. *Lecture Notes in Computer Science*, 869:164-??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cross:1994:CBR**

- [3229] S. E. Cross, D. F. Roberts, A. M. Mulvehill, and J. A. Sears. Case-based reasoning applied to a force generation decision aid. *Lecture Notes in Computer Science*, 869:174-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fouque:1994:CBR**

- [3230] G. Fouque, W. W. Chu, and H. Yau. A case-based reasoning approach for associative query answering. *Lecture Notes in Computer Science*, 869:183-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Greco:1994:EER**

- [3231] S. Greco and C. Zaniolo. Efficient execution of recursive queries through controlled binding propagation. *Lecture Notes in Computer Science*, 869:193-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**LeStrugeon:1994:TDM**

- [3232] E. Le Strugeon, R. Mandiau, and G. Libert. Towards a dynamic multi-agent organization. *Lecture Notes in Computer Science*, 869:203-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lever:1994:PPA**

- [3233] J. Lever and B. Richards. par-Plan: a planning architecture with parallel actions, resources and constraints. *Lecture Notes in Computer*

*Science*, 869:213–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Quafafou:1994:GII**

- [3234] M. Quafafou. GAITS II: an intelligent system for computer-aided education. *Lecture Notes in Computer Science*, 869:223–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhong:1994:GDS**

- [3235] N. Zhong and S. Ohsuga. The GLS discovery system: its goal, architecture and current results. *Lecture Notes in Computer Science*, 869:233–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Analyti:1994:DSC**

- [3236] A. Analyti and S. Pramanik. Declarative semantics for contradictory modular logic programs. *Lecture Notes in Computer Science*, 869:245–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brusoni:1994:LGP**

- [3237] V. Brusoni, L. Console, B. Pernici, and P. Terenziani. LaTeR: a general purpose manager of temporal information. *Lecture Notes in Computer Science*, 869:255–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gan:1994:USC**

- [3238] H. Gan. Understanding a story with causal relationships. *Lecture Notes in Computer Science*, 869:265–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Terenziani:1994:DQQ**

- [3239] P. Terenziani. Dealing with qualitative and quantitative temporal information concerning periodic events. *Lecture Notes in Computer Science*, 869:275–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Xiang:1994:DMA**

- [3240] Y. Xiang. Distributed multi-agent probabilistic reasoning with Bayesian networks. *Lecture Notes in Computer Science*, 869:285–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Calmet:1994:BBB**

- [3241] J. Calmet and I. A. Tjandra. Building bridges between knowledge representation and algebraic specification. *Lecture Notes in Computer Science*, 869:295–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hertzberg:1994:TAF**

- [3242] J. Hertzberg and S. Thiebaux. Turning an action formalism into a planner — essentials of a case study. *Lecture Notes in Computer Science*, 869:305–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Komorowski:1994:TRD**

- [3243] J. Komorowski and S. Trcek. Towards refinement of definite logic programs. *Lecture Notes in Computer Science*, 869:315–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lowry:1994:AAP**

- [3244] M. Lowry, A. Philpot, T. Pressburger, and I. Underwood. AMPHION: automatic programming for scientific subroutine libraries. *Lecture Notes in Computer Science*, 869:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ade:1994:RIT**

- [3245] H. Ade, B. Malfait, and L. De Raedt. RUTH: an ILP theory revision system. *Lecture Notes in Computer Science*, 869:336–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bazan:1994:DRT**

- [3246] J. G. Bazan, A. Skowron, and P. Synak. Dynamic reducts as a tool for extracting laws from decisions tables. *Lecture Notes in Computer Science*, 869:346–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Botta:1994:LFO**

- [3247] M. Botta. Learning first order theories. *Lecture Notes in Computer Science*, 869:356–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eick:1994:EEB**

- [3248] C. F. Eick and E. Toto. Evaluation and enhancement of Bayesian rule-sets in a genetic algorithm learning environment for classification tasks. *Lecture Notes in Computer Science*, 869:366–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Esposito:1994:TPW**

- [3249] F. Esposito, D. Malerba, G. Semeraro, and C. Brunk. Traps and pitfalls when learning logical definitions from relations. *Lecture Notes in Computer Science*, 869:376–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hu:1994:DRS**

- [3250] X. Hu, N. Shan, N. Cercone, and W. Ziarko. DBROUGH: a rough set based knowledge discovery system. *Lecture Notes in Computer Science*, 869:386–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lopez-Suarez:1994:RRB**

- [3251] A. Lopez-Suarez and M. Kamel. Restructuring rule bases to improve performance. *Lecture Notes in Computer Science*, 869:396–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McCluskey:1994:LHO**

- [3252] T. L. McCluskey and J. M. Porteous. Learning heuristics for ordering plan goals through static operator analysis. *Lecture Notes in Computer Science*, 869:406–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Michalski:1994:LPO**

- [3253] R. S. Michalski and I. F. Imam. Learning problem-oriented decision structures from decision rules: the AQDT-2 system. *Lecture Notes in Computer Science*, 869:416–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nissan:1994:TFA**

- [3254] E. Nissan, H. Siegelmann, A. Galperin, and S. Kimhi. Towards full automation of the discovery of heuristics in a nuclear engineering project: integration with a neural information language. *Lecture Notes in Computer Science*, 869:427–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Troxel:1994:CHR**

- [3255] M. Troxel, K. Swarm, R. Zembowicz, and J. M. Zytkow. Concept hierarchies: a restricted form of knowledge derived from regularities. *Lecture Notes in Computer Science*, 869:437–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1994:DDA**

- [3256] J. Zhang and H.-H. Lu. A data-driven approach to feature construction. *Lecture Notes in Computer Science*, 869:448–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Asher:1994:RAA**

- [3257] N. Asher. Reasoning about action and time with epistemic conditionals. *Lecture Notes in Computer Science*, 869:458–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buvac:1994:SPC**

- [3258] S. Buvac, V. Buvac, and I. A. Mason. The semantics of propositional contexts. *Lecture Notes in Computer Science*, 869:468–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:GLO**

- [3259] J. Chen. The generalized logic of only knowing (GOL) that covers the notion of epistemic specifications. *Lecture Notes in Computer Science*, 869:478–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cholvy:1994:RAS**

- [3260] L. Cholvy, R. Demolombe, and A. Jones. Reasoning about the safety of information: from logical formalization to operational definition. *Lecture Notes in Computer Science*, 869:488–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dimopoulos:1994:CMN**

- [3261] Y. Dimopoulos. Classical methods in nonmonotonic reasoning. *Lecture Notes in Computer Science*, 869:500–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dix:1994:PER**

- [3262] J. Dix and M. Mueller. Partial evaluation and relevance for approximations of the stable semantics. *Lecture Notes in Computer Science*, 869:511–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Doherty:1994:CFFb**

- [3263] P. Doherty and W. Lukaszewicz. Circumscribing features and fluents: a fluent logic for reasoning about action and change. *Lecture Notes in Computer Science*, 869:521–??, 1994. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schaub:1994:CQP**

**Ghosh:1994:PBN**

- [3264] S. Ghosh. Paraconsistency and beyond: a new approach to inconsistency handling. *Lecture Notes in Computer Science*, 869:531–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [3269] T. Schaub. Computing queries from prioritized default theories. *Lecture Notes in Computer Science*, 869:584–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sim:1994:BB**

**Goubault:1994:BAD**

- [3265] J. Goubault and J. Posegga. BDDs and automated deduction. *Lecture Notes in Computer Science*, 869:541–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [3270] K. M. Sim. Beliefs and bilattices. *Lecture Notes in Computer Science*, 869:594–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stachniak:1994:FTD**

**Hsia:1994:PBP**

- [3266] Y.-T. Hsia. A possibility-based propositional logic of conditionals. *Lecture Notes in Computer Science*, 869:551–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [3271] Z. Stachniak. Fast termination of the deductive process in resolution proof systems for non-classical logics. *Lecture Notes in Computer Science*, 869:604–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Greenfield:1994:DPP**

**Huang:1994:IPL**

- [3267] Y.-N. Huang, V. Dahl, and J. Han. Incremental processing of logic database relations. *Lecture Notes in Computer Science*, 869:561–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [3272] J. S. Greenfield. Distributed programming paradigms with cryptography applications. *Lecture Notes in Computer Science*, 870:xi + 182, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hibbard:1994:VAD**

**Jiang:1994:RBA**

- [3268] Y. J. Jiang and Y. Aramkulchai. On the relationship between assumption-based framework and autoepistemic logic. *Lecture Notes in Computer Science*, 869:571–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [3273] W. L. Hibbard, C. R. Dyer, and B. E. Paul. The VIS-AD data model: Integrating metadata and polymorphic display with a scientific programming language. *Lecture Notes in Computer Science*, 871:37–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kao:1994:ESM**

- [3274] D. T. Kao, R. D. Bergeron, and T. M. Sparr. An extended schema model for scientific data. *Lecture Notes in Computer Science*, 871:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ryan:1994:DIV**

- [3275] K. L. Ryan. Data integration for visualization systems. *Lecture Notes in Computer Science*, 871:83–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Walther:1994:ILS**

- [3276] S. Walther. Inherent logical structure of computational data: Its role in storage and retrieval strategies to support user queries. *Lecture Notes in Computer Science*, 871:94–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kochevar:1994:DMD**

- [3277] P. Kochevar. Database management for data visualization. *Lecture Notes in Computer Science*, 871:109–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1994:DEI**

- [3278] J. P. Lee. Data exploration interactions and the ExBase system. *Lecture Notes in Computer Science*, 871:118–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vasudevan:1994:DRS**

- [3279] V. Vasudevan. Database requirements for supporting end-user visual-

izations. *Lecture Notes in Computer Science*, 871:138–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wierse:1994:SAD**

- [3280] A. Wierse, U. Lang, and R. Ruehle. A system architecture for data-oriented visualization. *Lecture Notes in Computer Science*, 871:148–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Woyna:1994:HID**

- [3281] M. A. Woyna, D. G. Zawada, K. Lee Simunich, and J. H. Christiansen. A hyperspectral image data exploration workbench for environmental science applications. *Lecture Notes in Computer Science*, 871:160–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boyle:1994:DUI**

- [3282] J. Boyle, J. E. Fothergill, and P. M. D. Gray. Design of a 3D user interface to a database. *Lecture Notes in Computer Science*, 871:173–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eick:1994:VRD**

- [3283] S. G. Eick, E. E. Sumner, and G. J. Wills. Visualizing reference databases. *Lecture Notes in Computer Science*, 871:186–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hemmje:1994:BUI**

- [3284] M. Hemmje. A 3D based user interface for information retrieval systems. *Lecture Notes in Computer*



*Science*, 871:194–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keim:1994:UVS**

- [3285] D. A. Keim and H.-P. Kriegel. Using visualization to support data mining of large existing databases. *Lecture Notes in Computer Science*, 871:210–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barzdins:1994:TEIc**

- [3286] J. Barzdins. Towards efficient inductive synthesis from input/output examples. *Lecture Notes in Computer Science*, 872:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bibel:1994:DPG**

- [3287] W. Bibel and M. Thielscher. Deductive plan generation. *Lecture Notes in Computer Science*, 872:2–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dershowitz:1994:SPI**

- [3288] N. Dershowitz. From specifications to programs: Induction in the service of synthesis. *Lecture Notes in Computer Science*, 872:6–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zeugmann:1994:ACA**

- [3289] T. Zeugmann. Average case analysis of pattern language learning algorithms. *Lecture Notes in Computer Science*, 872:8–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ambainis:1994:ECT**

- [3290] A. Ambainis and J. Smotrovs. Enumerable classes of total recursive functions: Complexity of inductive inference. *Lecture Notes in Computer Science*, 872:10–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Apsitis:1994:DSI**

- [3291] K. Apsitis. Derived sets and inductive inference. *Lecture Notes in Computer Science*, 872:26–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arnold:1994:TPG**

- [3292] O. Arnold and K. P. Jantke. Therapy plan generation as program synthesis. *Lecture Notes in Computer Science*, 872:40–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bai:1994:CLC**

- [3293] S. Bai. A calculus for logical clustering. *Lecture Notes in Computer Science*, 872:56–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baliga:1994:LHO**

- [3294] G. Baliga and J. Case. Learning with higher order additional information. *Lecture Notes in Computer Science*, 872:64–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brazma:1994:ELR**

- [3295] A. Brazma and K. Cerans. Efficient learning of regular expressions

from good examples. *Lecture Notes in Computer Science*, 872:76–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Freivalds:1994:INM**

- [3296] R. Freivalds, O. Botuscharov, and R. Wiehagen. Identifying nearly minimal goedel numbers from additional information. *Lecture Notes in Computer Science*, 872:91–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Freivalds:1994:CLF**

- [3297] R. Freivalds, D. Gobleja, M. Karpinski, and C. H. Smith. Co-learnability and FIN-Identifiability of enumerable classes of total recursive functions. *Lecture Notes in Computer Science*, 872:100–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Globig:1994:CBR**

- [3298] C. Globig and S. Lange. On case-based representability and learnability of languages. *Lecture Notes in Computer Science*, 872:106–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hirata:1994:RGA**

- [3299] K. Hirata. Rule-generating abduction for recursive Prolog. *Lecture Notes in Computer Science*, 872:121–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Iwatani:1994:FAB**

- [3300] T. Iwatani, S. Tano, A. Inoue, and W. Okamoto. Fuzzy analogy based reasoning and classification of fuzzy

analogies. *Lecture Notes in Computer Science*, 872:137–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koga:1994:EBR**

- [3301] Y. Koga, E. Hirowatari, and S. Ari-kawa. Explanation-based reuse of Prolog programs. *Lecture Notes in Computer Science*, 872:149–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mofizur:1994:CIR**

- [3302] C. R. Mofizur and M. Numao. Constructive induction for recursive programs. *Lecture Notes in Computer Science*, 872:161–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abe:1994:TRT**

- [3303] N. Abe. Towards realistic theories of learning. *Lecture Notes in Computer Science*, 872:187–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Richter:1994:UAI**

- [3304] M. M. Richter. A unified approach to inductive logic and case-based reasoning. *Lecture Notes in Computer Science*, 872:210–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Smith:1994:TDT**

- [3305] C. H. Smith. Three decades of team learning. *Lecture Notes in Computer Science*, 872:211–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Auer:1994:LLM**

- [3306] P. Auer and N. Cesa-Bianchi. On-line learning with malicious noise and the closure algorithm. *Lecture Notes in Computer Science*, 872:229–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ben-David:1994:LRF**

- [3307] S. Ben-David and E. Dichterman. Learnability with restricted focus of attention guarantees noise-tolerance. *Lecture Notes in Computer Science*, 872:248–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brazma:1994:EAL**

- [3308] A. Brazma. Efficient algorithm for learning simple regular expressions from noisy examples. *Lecture Notes in Computer Science*, 872:260–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:NLD**

- [3309] Z. Chen. A note on learning DNF formulas using equivalence and incomplete membership queries. *Lecture Notes in Computer Science*, 872:272–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferretti:1994:IRL**

- [3310] C. Ferretti and G. Mauri. Identifying regular languages over partially-commutative monoids. *Lecture Notes in Computer Science*, 872:282–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gasarch:1994:CUI**

- [3311] W. I. Gasarch, M. G. Pleszkoch, and M. Velauthapillai. Classification using information. *Lecture Notes in Computer Science*, 872:290–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ishino:1994:LET**

- [3312] A. Ishino and A. Yamamoto. Learning from examples with typed equational programming. *Lecture Notes in Computer Science*, 872:301–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ishizaka:1994:FTP**

- [3313] H. Ishizaka, H. Arimura, and T. Shinohara. Finding tree patterns consistent with positive and negative examples using queries. *Lecture Notes in Computer Science*, 872:317–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jain:1994:PSP**

- [3314] S. Jain. Program synthesis in the presence of infinite number of inaccuracies. *Lecture Notes in Computer Science*, 872:333–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jain:1994:MSL**

- [3315] S. Jain and A. Sharma. On monotonic strategies for learning r.e. languages. *Lecture Notes in Computer Science*, 872:349–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kapur:1994:LLU**

- [3316] S. Kapur. Language learning under various types of constraint combinations. *Lecture Notes in Computer Science*, 872:365–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kimura:1994:SAR**

- [3317] S. Kimura, A. Togashi, and N. Shiraori. Synthesis algorithm for recursive processes by  $\mu$ -calculus. *Lecture Notes in Computer Science*, 872:379–394, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kinber:1994:MVE**

- [3318] E. Kinber. Monotonicity versus efficiency for learning languages from texts. *Lecture Notes in Computer Science*, 872:395–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kobayashi:1994:LCL**

- [3319] S. Kobayashi and T. Yokomori. Learning concatenations of locally testable languages from positive data. *Lecture Notes in Computer Science*, 872:407–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lange:1994:LLG**

- [3320] S. Lange, J. Nessel, and R. Wiehagen. Language learning from good examples. *Lecture Notes in Computer Science*, 872:423–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lange:1994:MDP**

- [3321] S. Lange and P. Watson. Machine discovery in the presence of incomplete or ambiguous data. *Lecture Notes in Computer Science*, 872:438–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lange:1994:SDR**

- [3322] S. Lange and T. Zeugmann. Set-driven and rearrangement-independent learning of recursive languages. *Lecture Notes in Computer Science*, 872:453–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Matsumoto:1994:RPA**

- [3323] S. Matsumoto and A. Shinohara. Refutably probably approximately correct learning. *Lecture Notes in Computer Science*, 872:469–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mukouchi:1994:IIA**

- [3324] Y. Mukouchi. Inductive inference of an approximate concept from positive data. *Lecture Notes in Computer Science*, 872:484–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakamura:1994:EDF**

- [3325] A. Nakamura, N. Abe, and J. Takeuchi. Efficient distribution-free population learning of simple concepts. *Lecture Notes in Computer Science*, 872:500–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Okubo:1994:CPM**

- [3326] Y. Okubo and M. Haraguchi. Constructing predicate mappings for goal-dependent abstraction. *Lecture Notes in Computer Science*, 872:516–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sakakibara:1994:LLC**

- [3327] Y. Sakakibara, K. P. Jantke, and S. Lange. Learning languages by collecting cases and tuning parameters. *Lecture Notes in Computer Science*, 872:532–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Takimoto:1994:MIG**

- [3328] E. Takimoto, I. Tajika, and A. Maruoka. Mutual information gaining algorithm and its relation to PAC-learning algorithm. *Lecture Notes in Computer Science*, 872:547–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tanida:1994:IIM**

- [3329] N. Tanida and T. Yokomori. Inductive inference of monogenic pure context-free languages. *Lecture Notes in Computer Science*, 872:560–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Back:1994:ASM**

- [3330] R. J. R. Back and K. Sere. From action systems to modular systems. *Lecture Notes in Computer Science*, 873:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dehbonei:1994:FMR**

- [3331] B. Dehbonei and F. Mejia. Formal methods in the railways signalling industry. *Lecture Notes in Computer Science*, 873:26–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fitzgerald:1994:FIS**

- [3332] J. S. Fitzgerald, T. M. Brookes, M. A. Green, and P. G. Larsen. Formal and informal specifications of a secure system component: First results in a comparative study. *Lecture Notes in Computer Science*, 873:35–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**King:1994:FBR**

- [3333] T. King. Formalising British Rail's signalling rules. *Lecture Notes in Computer Science*, 873:45–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Guttman:1994:TAF**

- [3334] J. D. Guttman and D. M. Johnson. Three applications of formal methods at MITRE. *Lecture Notes in Computer Science*, 873:55–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cherkaoui:1994:SAS**

- [3335] O. Cherkaoui, N. Rico, and A. Bernardi. Specification and analysis of a security management system. *Lecture Notes in Computer Science*, 873:66–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Martin:1994:VTL**

- [3336] U. Martin and M. Thomas. Verification techniques for LOTOS. *Lecture Notes in Computer Science*, 873:83–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ritchie:1994:EUA**

- [3337] B. Ritchie, J. Bicarregui, and H. Haughton. Experiences in using the abstract machine notation in a GKS case study. *Lecture Notes in Computer Science*, 873:93–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bowen:1994:SMM**

- [3338] J. P. Bowen and M. G. Hinchey. Seven more myths of formal methods: Dispelling industrial prejudices. *Lecture Notes in Computer Science*, 873:105–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clement:1994:CAD**

- [3339] T. Clement. Comparing approaches to data reification. *Lecture Notes in Computer Science*, 873:118–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maung:1994:TFP**

- [3340] I. Maung, J. R. Howse, and R. J. Mitchell. Towards a formalization of programming-by-difference. *Lecture Notes in Computer Science*, 873:134–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paech:1994:NCR**

- [3341] B. Paech and B. Rumpe. A new concept of refinement used for behaviour modelling with automata. *Lecture Notes in Computer Science*, 873:154–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Elvang-Goransson:1994:EVR**

- [3342] M. Elvang-Goransson and R. E. Fields. An extended VDM refinement relation. *Lecture Notes in Computer Science*, 873:175–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lindsay:1994:TVV**

- [3343] P. A. Lindsay. On transferring VDM verification techniques to Z. *Lecture Notes in Computer Science*, 873:190–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ledru:1994:PBD**

- [3344] Y. Ledru. Proof-based development of specifications with KIDS/VDM. *Lecture Notes in Computer Science*, 873:214–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**GormLarsen:1994:EUE**

- [3345] P. Gorm Larsen. Evaluation of underdetermined explicit definitions. *Lecture Notes in Computer Science*, 873:233–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ross:1994:PEB**

- [3346] K. J. Ross and P. A. Lindsay. A precise examination of the behaviour of process models. *Lecture Notes in Computer Science*, 873:251–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Duke:1994:TP**

- [3347] D. J. Duke and M. D. Harrison. A theory of presentations. *Lecture Notes in Computer Science*, 873:271–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keane:1994:ACF**

- [3348] J. A. Keane, J. Sa, and B. C. Warboys. Applying a concurrent formal framework to process modelling. *Lecture Notes in Computer Science*, 873:291–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cordeiro:1994:MER**

- [3349] V. A. O. Cordeiro, A. Sampaio, and S. L. Meira. From MooZ to Eiffel — A rigorous approach to system development. *Lecture Notes in Computer Science*, 873:306–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mens:1994:OFA**

- [3350] T. Mens, K. Mens, and P. Steyaert. OPUS: a formal approach to object-orientation. *Lecture Notes in Computer Science*, 873:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Storey:1994:SPV**

- [3351] A. C. Storey and H. P. Haughton. A strategy for the production of verifiable code using the B method. *Lecture Notes in Computer Science*, 873:346–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Evans:1994:SVC**

- [3352] A. S. Evans. Specifying and verifying concurrent systems using Z. *Lecture Notes in Computer Science*, 873:366–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Collinson:1994:CLF**

- [3353] R. Collinson. A critical look at functional specifications. *Lecture Notes in Computer Science*, 873:381–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Naftalin:1994:ISD**

- [3354] M. Naftalin. Informal strategies in design by refinement. *Lecture Notes in Computer Science*, 873:401–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anlauff:1994:ESS**

- [3355] M. Anlauff, S. Jaehnichen, and M. Simons. An experimental support system for formal mathematical reasoning. *Lecture Notes in Computer Science*, 873:421–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weber:1994:LMD**

- [3356] M. Weber. Literate mathematical development of a revision management system. *Lecture Notes in Computer Science*, 873:441–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mosses:1994:ASM**

- [3357] P. D. Mosses and M. Musicante. An action semantics for ML concurrency primitives. *Lecture Notes in Computer Science*, 873:461–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mukherjee:1994:SNV**

- [3358] P. Mukherjee. A semantics for NewSpeak in VDM-SL. *Lecture Notes in Computer Science*, 873:480–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**OHalloran:1994:ESZ**

- [3359] C. O’Halloran. Evaluation semantics in Z. *Lecture Notes in Computer Science*, 873:502–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jackson:1994:AMC**

- [3360] D. Jackson. Abstract model checking of infinite specifications. *Lecture Notes in Computer Science*, 873:519–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seidel:1994:SRP**

- [3361] K. Seidel. Specification and refinement of the PI-Bus. *Lecture Notes in Computer Science*, 873:532–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Erasmly:1994:SRC**

- [3362] F. Erasmly and E. Sekerinski. Stepwise refinement of control software — A case study using RAISE. *Lecture Notes in Computer Science*, 873:547–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gortz:1994:SSP**

- [3363] J. Gortz. Specifying safety and progress properties with RSL. *Lecture Notes in Computer Science*, 873:567–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hansen:1994:VRI**

- [3364] K. M. Hansen. Validation of a railway interlocking model. *Lecture Notes in Computer Science*, 873:582–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Simpson:1994:FSA**

- [3365] A. Simpson. A formal specification of an automatic train protection system. *Lecture Notes in Computer Science*, 873:602–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fidge:1994:ART**

- [3366] C. Fidge. Adding real time to formal program development. *Lecture Notes in Computer Science*, 873:618–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cuellar:1994:CDI**

- [3367] J. Cuellar, I. Wildgruber, and D. Barnard. Combining the design of



industrial systems with effective verification techniques. *Lecture Notes in Computer Science*, 873:639–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wang:1994:RRP**

- [3368] F. Wang and A. K. Mok. RTL and refutation by positive cycles. *Lecture Notes in Computer Science*, 873:659–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fencott:1994:FSW**

- [3369] P. C. Fencott, A. J. Galloway, M. A. Lockyer, and S. J. O’Brien. Formalising the semantics of ward/mellor SA/RT essential models using a process algebra. *Lecture Notes in Computer Science*, 873:681–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeBarros:1994:DRD**

- [3370] R. S. M. De Barros. Deriving relational database programs from formal specifications. *Lecture Notes in Computer Science*, 873:703–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jeavons:1994:SOC**

- [3371] P. Jeavons, D. Cohen, and M. Cooper. A substitution operation for constraints. *Lecture Notes in Computer Science*, 874:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sabin:1994:CCW**

- [3372] D. Sabin and E. C. Freuder. Contradicting conventional wisdom in con-

straint satisfaction. *Lecture Notes in Computer Science*, 874:10–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jiang:1994:NBM**

- [3373] Y. Jiang, T. Richards, and B. Richards. Nogood backmarking with min-conflict repair in constraint satisfaction and optimization. *Lecture Notes in Computer Science*, 874:21–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haroud:1994:GCC**

- [3374] D. Haroud and B. Faltings. Global consistency for continuous constraints. *Lecture Notes in Computer Science*, 874:40–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hosobe:1994:LSC**

- [3375] H. Hosobe, K. Miyashita, S. Takahashi, and S. Matsuoka. Locally simultaneous constraint satisfaction. *Lecture Notes in Computer Science*, 874:51–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sannella:1994:ADH**

- [3376] M. Sannella. Analyzing and debugging hierarchies of multi-way local propagation constraints. *Lecture Notes in Computer Science*, 874:63–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thennarangam:1994:IDC**

- [3377] S. Thennarangam and G. Singh. Inferring 3-dimensional constraints with DEVL. *Lecture Notes in Computer Science*, 874:78–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jaffar:1994:BFD**

- [3378] J. Jaffar, M. J. Maher, P. J. Stuckey, and R. H. C. Yap. Beyond finite domains. *Lecture Notes in Computer Science*, 874:86–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pesant:1994:QCR**

- [3379] G. Pesant and M. Boyer. QUAD-CLP(R): Adding the power of quadratic constraints. *Lecture Notes in Computer Science*, 874:95–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rajasekar:1994:ACL**

- [3380] A. Rajasekar. Applications in constraint logic programming with strings. *Lecture Notes in Computer Science*, 874:109–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hermenegildo:1994:SMI**

- [3381] M. Hermenegildo. Some methodological issues in the design of CIAO, a generic, parallel concurrent constraint logic programming system. *Lecture Notes in Computer Science*, 874:123–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schulte:1994:ESC**

- [3382] C. Schulte, G. Smolka, and J. Wuertz. Encapsulated search and constraint programming in oz. *Lecture Notes in Computer Science*, 874:134–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Montanari:1994:TCS**

- [3383] U. Montanari, F. Rossi, F. Bueno, and M. Garcia de la Banda. Towards a concurrent semantics based analysis of CC and CLP. *Lecture Notes in Computer Science*, 874:151–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Montanari:1994:CPB**

- [3384] U. Montanari, F. Rossi, and V. Saraswat. CC programs with both in- and non-determinism: A concurrent semantics. *Lecture Notes in Computer Science*, 874:162–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gupta:1994:ECT**

- [3385] A. Gupta, Y. Sagiv, J. D. Ullman, and J. Widom. Efficient and complete tests for database integrity constraint checking. *Lecture Notes in Computer Science*, 874:173–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Afrati:1994:LVP**

- [3386] F. Afrati, S. S. Cosmadakis, S. Grumbach, and G. M. Kuper. Linear vs. polynomial constraints in database query languages. *Lecture Notes in Computer Science*, 874:181–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ross:1994:FAC**

- [3387] K. A. Ross, D. Srivastava, P. J. Stuckey, and S. Sudarshan. Foundations of aggregation constraints. *Lec-*

ture Notes in Computer Science, 874:193–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baudinet:1994:CGD**

- [3388] M. Baudinet, J. Chomicki, and P. Wolper. Constraint-generating dependencies. *Lecture Notes in Computer Science*, 874:205–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Srivastava:1994:CO**

- [3389] D. Srivastava, R. Ramakrishnan, and P. Z. Revesz. Constraint objects. *Lecture Notes in Computer Science*, 874:218–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1994:SVC**

- [3390] Y. Zhang and A. K. Mackworth. Specification and verification of constraint-based dynamic systems. *Lecture Notes in Computer Science*, 874:229–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ginsberg:1994:GDB**

- [3391] M. L. Ginsberg and D. A. McAllester. GSAT and dynamic backtracking. *Lecture Notes in Computer Science*, 874:243–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koubarakis:1994:FIC**

- [3392] M. Koubarakis. Foundations of indefinite constraint databases. *Lecture Notes in Computer Science*, 874:266–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Heintze:1994:SCS**

- [3393] N. Heintze and J. Jaffar. Set constraints and set-based analysis. *Lecture Notes in Computer Science*, 874:281–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paltrinieri:1994:DCS**

- [3394] M. Paltrinieri. On the design of constraint satisfaction problems. *Lecture Notes in Computer Science*, 874:299–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pugh:1994:ECB**

- [3395] W. Pugh and D. Wonnacott. Experiences with constraint-based array dependence analysis. *Lecture Notes in Computer Science*, 874:312–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aiken:1994:SCR**

- [3396] A. Aiken. Set constraints: Results, applications and future directions. *Lecture Notes in Computer Science*, 874:326–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hooker:1994:LBM**

- [3397] J. N. Hooker. Logic-based methods for optimization. *Lecture Notes in Computer Science*, 874:336–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kurlander:1994:PSC**

- [3398] D. Kurlander, J.-F. Puget, and J. Heiserman. Panel session: Commercial applications of constraint programming. *Lecture Notes in Computer Science*, 874:350–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beth:1994:VTO**

- [3399] T. Beth, M. Borcharding, and B. Klein. Valuation of trust in open networks. *Lecture Notes in Computer Science*, 875:3–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zorkadis:1994:SVP**

- [3400] V. Zorkadis. Security versus performance requirements in data communication systems. *Lecture Notes in Computer Science*, 875:19–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roscoe:1994:NIT**

- [3401] A. W. Roscoe, J. C. P. Woodcock, and L. Wulf. Non-interference through determinism. *Lecture Notes in Computer Science*, 875:33–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Banatre:1994:CTD**

- [3402] J.-P. Banatre, C. Bryce, and D. Le Metayer. Compile-time detection of information flow in sequential programs. *Lecture Notes in Computer Science*, 875:55–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**OHalloran:1994:STT**

- [3403] C. O'Halloran and C. T. Sennett. Security through type analysis. *Lecture Notes in Computer Science*, 875:75–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boyd:1994:DSK**

- [3404] C. Boyd and W. Mao. Designing secure key exchange protocols. *Lecture Notes in Computer Science*, 875:93–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hauser:1994:RSP**

- [3405] R. Hauser, P. Janson, R. Molva, and G. Tsudik. Robust and secure password and key change method. *Lecture Notes in Computer Science*, 875:107–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jiwa:1994:BBA**

- [3406] A. Jiwa, J. Seberry, and Y. Zheng. Beacon based authentication. *Lecture Notes in Computer Science*, 875:125–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hardjono:1994:AMS**

- [3407] T. Hardjono and J. Seberry. Authentication via multi-service tickets in the Kuperee server. *Lecture Notes in Computer Science*, 875:143–??, 1994. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1994:OS**

- [3408] L. Chen. Oblivious signatures. *Lecture Notes in Computer Science*, 875:

161-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maurer:1994:CSC**

- [3409] U. M. Maurer and P. E. Schmid. A calculus for secure channel establishment in open networks. *Lecture Notes in Computer Science*, 875:175-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mao:1994:SAP**

- [3410] W. Mao and C. Boyd. On strengthening authentication protocols to foil cryptanalysis. *Lecture Notes in Computer Science*, 875:193-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Camenisch:1994:EEP**

- [3411] J. L. Camenisch, J. M. Piveteau, and M. A. Stadler. An efficient electronic payment system protecting privacy. *Lecture Notes in Computer Science*, 875:207-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boly:1994:EPC**

- [3412] J.-P. Boly, A. Bosselaers, R. Cramer, and R. Michelsen. The ESPRIT project CAFE — high security digital payment systems. *Lecture Notes in Computer Science*, 875:217-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anderson:1994:LCS**

- [3413] R. J. Anderson. Liability and computer security: Nine principles. *Lecture Notes in Computer Science*, 875:231-??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**DAusbourg:1994:ISD**

- [3414] B. D'Ausbourg. Implementing secure dependencies over a network by designing a distributed security Sub-System. *Lecture Notes in Computer Science*, 875:249-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Siron:1994:SMA**

- [3415] P. Siron and B. D'Ausbourg. A secure medium access control protocol: Security vs performances. *Lecture Notes in Computer Science*, 875:267-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Calas:1994:DFS**

- [3416] C. Calas. Distributed file system over a multilevel secure architecture — problems and solutions. *Lecture Notes in Computer Science*, 875:281-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sandhu:1994:EPU**

- [3417] R. S. Sandhu and S. Ganta. On the expressive power of the unary transformation model. *Lecture Notes in Computer Science*, 875:301-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dacier:1994:PGE**

- [3418] M. Dacier and Y. Deswarte. Privilege graph: an extension to the typed access matrix model. *Lecture Notes in Computer Science*, 875:319-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Robinson:1994:CMO**

- [3419] C. L. Robinson and S. R. Wiseman. A consideration of the modes of operation for secure systems. *Lecture Notes in Computer Science*, 875:335–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ciampichetti:1994:MSG**

- [3420] A. Ciampichetti, E. Bertino, and L. Mancini. Mark-and-sweep garbage collection in multilevel secure object-oriented database systems. *Lecture Notes in Computer Science*, 875:359–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boulahia-Cuppens:1994:DMO**

- [3421] N. Boulahia-Cuppens, F. Cuppens, A. Gabillon, and K. Yazdanian. Decomposition of multilevel objects in an object-oriented database. *Lecture Notes in Computer Science*, 875:375–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thomas:1994:SOB**

- [3422] R. K. Thomas and R. S. Sandhu. Supporting object-based high-assurance write-up in multilevel databases for the replicated architecture. *Lecture Notes in Computer Science*, 875:403–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Motro:1994:ARD**

- [3423] A. Motro, D. G. Marks, and S. Jajodia. Aggregation in relational databases:

Controlled disclosure of sensitive information. *Lecture Notes in Computer Science*, 875:431–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cuppens:1994:IFC**

- [3424] F. Cuppens and G. Trouessin. Information flow controls vs. interference controls: An integrated approach. *Lecture Notes in Computer Science*, 875:447–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Uzilevsky:1994:EUI**

- [3425] G. Uzilevsky. Ergosemantics of user interface research and design: Foundations, objectives, potential. *Lecture Notes in Computer Science*, 876:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bertelsen:1994:FLD**

- [3426] O. Bertelsen. Fitts' Law as a design artefact: A paradigm case of theory in software design. *Lecture Notes in Computer Science*, 876:11–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rueckert:1994:ESU**

- [3427] C. Rueckert and S. Klein. Empirical study on the use of a knowledge-based system for selecting standard engineering components. *Lecture Notes in Computer Science*, 876:19–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rauterberg:1994:PES**

- [3428] M. Rauterberg and E. Styger. Positive effects of sound feedback during the op-

eration of a plant simulator. *Lecture Notes in Computer Science*, 876:35–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meyer:1994:RUA**

- [3429] B. Meyer. Retail user assistant: Evaluation of a user-adapted performance support system. *Lecture Notes in Computer Science*, 876:45–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tudor:1994:GIS**

- [3430] L. G. Tudor. Growing an icon set: User acceptance of abstract and concrete icon styles. *Lecture Notes in Computer Science*, 876:56–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Modugno:1994:EGF**

- [3431] F. Modugno and B. A. Myers. Exploring graphical feedback in a demonstrational visual shell. *Lecture Notes in Computer Science*, 876:64–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Conway:1994:AAD**

- [3432] D. Conway. ARGS: Autogenerating documented command line interfaces. *Lecture Notes in Computer Science*, 876:77–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hix:1994:IES**

- [3433] D. Hix and H. R. Hartson. IDEAL: An environment to support usability engineering. *Lecture Notes in Computer Science*, 876:95–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schreiber:1994:SGU**

- [3434] S. Schreiber. Specification and generation of user interfaces with the BOSS-system. *Lecture Notes in Computer Science*, 876:107–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Donskoy:1994:AOO**

- [3435] M. V. Donskoy. An architecture for object oriented user interfaces. *Lecture Notes in Computer Science*, 876:121–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kosbie:1994:EPD**

- [3436] D. S. Kosbie and B. A. Myers. Extending programming by demonstration with hierarchical event histories. *Lecture Notes in Computer Science*, 876:128–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Levin:1994:HDU**

- [3437] M. S. Levin. Hierarchical design of user interfaces. *Lecture Notes in Computer Science*, 876:140–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kotenko:1994:CRC**

- [3438] I. V. Kotenko. Conflict resolution in computer-supported cooperative design. *Lecture Notes in Computer Science*, 876:152–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hurts:1994:CEM**

- [3439] K. Hurts and P. De Greef. Cognitive ergonomics of multi-agent systems: Observations, principles and research issues. *Lecture Notes in Computer Science*, 876:164–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bellamy:1994:SCL**

- [3440] R. K. E. Bellamy, E. B. W. Cooper, and R. D. Borovoy. Supporting collaborative learning through the use of electronic conversational props. *Lecture Notes in Computer Science*, 876:181–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nitsche-Ruhland:1994:KBA**

- [3441] D. Nitsche-Ruhland. A knowledge-based authoring system for hypermedia-based learning environments. *Lecture Notes in Computer Science*, 876:192–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brusilovsky:1994:EVE**

- [3442] P. Brusilovsky. Explanatory visualization in an educational programming environment: Connecting examples with general knowledge. *Lecture Notes in Computer Science*, 876:202–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chelnokov:1994:CHS**

- [3443] V. M. Chelnokov and V. L. Zephyrova. Cultivating and harvesting semantic coherence in SMIsC hypertext networks. *Lecture Notes in Computer*

*Science*, 876:213–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leventhal:1994:HBK**

- [3444] L. Leventhal, K. Instone, and B. Teasley. Hypertext-based kiosk systems: Seven challenges and an empirical study. *Lecture Notes in Computer Science*, 876:226–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alford:1994:DFR**

- [3445] W. R. Alford, A. Granville, and C. Pomerance. On the difficulty of finding reliable witnesses. *Lecture Notes in Computer Science*, 877:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bosma:1994:DCR**

- [3446] W. Bosma and P. Stevenhagen. Density computations for real quadratic 2-class groups. *Lecture Notes in Computer Science*, 877:17–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Golliver:1994:LST**

- [3447] R. A. Golliver, A. K. Lenstra, and K. S. McCurley. Lattice sieving and trial division. *Lecture Notes in Computer Science*, 877:18–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Adleman:1994:SADb**

- [3448] L. M. Adleman, J. DeMarrais, and M.-D. Huang. A subexponential algorithm for discrete logarithms over the rational subgroup of the Jacobians of



large genus hyperelliptic curves over finite fields. *Lecture Notes in Computer Science*, 877:28–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dodson:1994:CRG**

- [3449] B. A. Dodson and M. J. Haines. Computing rates of growth of division fields on CM abelian varieties. *Lecture Notes in Computer Science*, 877:41–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paulus:1994:ACF**

- [3450] S. Paulus. Algorithms for CM-fields. *Lecture Notes in Computer Science*, 877:42–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Couveignes:1994:SAI**

- [3451] J.-M. Couveignes and F. Morain. Schoof's algorithm and isogeny cycles. *Lecture Notes in Computer Science*, 877:43–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stephens:1994:IPR**

- [3452] N. Stephens. Integer points on rational elliptic curves. *Lecture Notes in Computer Science*, 877:59–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lehmann:1994:CNP**

- [3453] F. Lehmann, M. Maurer, V. Mueller, and V. Shoup. Counting the number of points on elliptic curves over finite fields of characteristic greater than three. *Lecture Notes in Computer Science*, 877:60–??, 1994. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lipton:1994:SLC**

- [3454] R. J. Lipton. Straight-line complexity and integer factorization. *Lecture Notes in Computer Science*, 877:71–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kozen:1994:DAF**

- [3455] D. Kozen, S. Landau, and R. Zippel. Decomposition of algebraic functions. *Lecture Notes in Computer Science*, 877:80–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rubinfeld:1994:NMI**

- [3456] R. Rubinfeld and R. Zippel. A new modular interpolation algorithm for factoring multivariate polynomials. *Lecture Notes in Computer Science*, 877:93–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Adleman:1994:FHS**

- [3457] L. M. Adleman. The function held sieve. *Lecture Notes in Computer Science*, 877:108–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Elkies:1994:HPC**

- [3458] N. D. Elkies. Heegner point computations. *Lecture Notes in Computer Science*, 877:122–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cremona:1994:CDM**

- [3459] J. E. Cremona. Computing the degree of a modular parametrization. *Lecture Notes in Computer Science*, 877:134–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McConnell:1994:GRC**

- [3460] M. McConnell. Galois representations from the cohomology of  $SL(3, \mathbb{Z})$ . *Lecture Notes in Computer Science*, 877:143–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Daude:1994:AGA**

- [3461] H. Daude, P. Flajolet, and B. Vallee. An analysis of the Gaussian algorithm for lattice reduction. *Lecture Notes in Computer Science*, 877:144–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaib:1994:FVG**

- [3462] M. Kaib. A fast variant of the Gaussian reduction algorithm. *Lecture Notes in Computer Science*, 877:159–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buchmann:1994:RLB**

- [3463] J. Buchmann. Reducing lattice bases by means of approximations. *Lecture Notes in Computer Science*, 877:160–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shallit:1994:ALS**

- [3464] J. Shallit and J. Sorenson. Analysis of a left-shift binary GCD algo-

rithm. *Lecture Notes in Computer Science*, 877:169–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Majewski:1994:CGC**

- [3465] B. S. Majewski and G. Havas. The complexity of greatest common divisor computations. *Lecture Notes in Computer Science*, 877:184–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanderPoorten:1994:EFU**

- [3466] A. J. Van der Poorten. Explicit formulas for units in certain quadratic number fields. *Lecture Notes in Computer Science*, 877:194–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Evdokimov:1994:FPF**

- [3467] S. Evdokimov. Factorization of polynomials over finite fields in subexponential time under GRH. *Lecture Notes in Computer Science*, 877:209–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gao:1994:OON**

- [3468] S. Gao and S. A. Vanstone. On orders of optimal normal basis generators. *Lecture Notes in Computer Science*, 877:220–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Volcheck:1994:CJP**

- [3469] E. J. Volcheck. Computing in the Jacobian of a plane algebraic curve. *Lecture Notes in Computer Science*, 877:221–??, 1994. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

**Thiel:1994:UAG**

- [3470] C. Thiel. Under the assumption of the generalized Riemann Hypothesis verifying the class number belongs to NPCo-NP. *Lecture Notes in Computer Science*, 877:234–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hajir:1994:CCN**

- [3471] F. Hajir. Calculating the class number of certain Hilbert class fields. *Lecture Notes in Computer Science*, 877:248–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Adleman:1994:ECC**

- [3472] L. M. Adleman, M.-D. Huang, and K. Kompella. Efficient checking of computations in number theory. *Lecture Notes in Computer Science*, 877:249–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lay:1994:CEC**

- [3473] G.-J. Lay and H. G. Zimmer. Constructing elliptic curves with given group order over large finite fields. *Lecture Notes in Computer Science*, 877:250–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Deleglise:1994:CXM**

- [3474] M. Deleglise and J. Rivat. Computing  $(x)$ ,  $M(x)$  and  $\psi(x)$ . *Lecture Notes in Computer Science*, 877:264–??, 1994.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shparlinski:1994:SAF**

- [3475] I. E. Shparlinski. On some applications of finitely generated semi-groups. *Lecture Notes in Computer Science*, 877:265–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pritchard:1994:IIP**

- [3476] P. Pritchard. Improved incremental prime number sieves. *Lecture Notes in Computer Science*, 877:280–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shor:1994:PTA**

- [3477] P. W. Shor. Polynomial time algorithms for discrete logarithms and factoring on a quantum computer. *Lecture Notes in Computer Science*, 877:289–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ji:1994:DMC**

- [3478] G. Ji and H. Lu. On dispersion and Markov constants. *Lecture Notes in Computer Science*, 877:290–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Adleman:1994:OPN**

- [3479] L. M. Adleman and K. S. McCurley. Open problems in number theoretic complexity, II. *Lecture Notes in Computer Science*, 877:291–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aalund:1994:CFD**

- [3480] A. Aalund, P. Loetstedt, and R. Ryden. Computational fluid dynamics on workstation clusters in industrial environments. *Lecture Notes in Computer Science*, 879:1–10, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andersen:1994:PIA**

- [3481] B. S. Andersen, P. Kaae, C. Keable, and W. Owczarz. PVM implementations of advection-chemistry modules of air pollution models. *Lecture Notes in Computer Science*, 879:11–16, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Antonuccio-Delogu:1994:PTB**

- [3482] V. Antonuccio-Delogu and U. Becciani. A parallel tree  $N$ -body code for heterogeneous clusters. *Lecture Notes in Computer Science*, 879:17–32, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Badia:1994:PCE**

- [3483] J. M. Badia and A. M. Vidal. Parallel computation of the eigenstructure of Toeplitz-plus-Hankel matrices on multicomputers. *Lecture Notes in Computer Science*, 879:33–40, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Balle:1994:SVD**

- [3484] S. M. Balle and P. M. Pedersen. Singular value decomposition on the Connection Machine CM-5/CM-5E. *Lecture Notes in Computer Science*, 879:41–50, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barker:1994:CES**

- [3485] V. A. Barker and C. Yingqun. Computing eigenvalues of sparse matrices on the Connection Machine. *Lecture Notes in Computer Science*, 879:51–58, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bendtsen:1994:PEE**

- [3486] C. Bendtsen. Preliminary experiences with extrapolation methods for parallel solution of differential algebraic equations. *Lecture Notes in Computer Science*, 879:59–66, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berkhin:1994:TAF**

- [3487] P. Berkhin and J. Brown. A transform approach to fast matrix multiplication. *Lecture Notes in Computer Science*, 879:67–79, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Billing:1994:QMT**

- [3488] G. D. Billing. Quantum mechanical treatment of reactive scattering problems. *Lecture Notes in Computer Science*, 879:80–88, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bode:1994:VCD**

- [3489] A. Bode, N. Eicker, T. Lippert, and K. Schilling. Visualizing the critical dynamics of monopole current clusters — global/local programming on the Connection Machine CM-5. *Lecture Notes in Computer Science*, 879:89–99, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boryczko:1994:LBP**

- [3490] K. Boryczko, J. Kitowski, and J. Moscinski. Load-balancing procedure for distributed short-range molecular dynamics. *Lecture Notes in Computer Science*, 879:100–109, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brown:1994:CMP**

- [3491] J. Brown, P. C. Hansen, J. Wasniewski, and Z. Zlatev. Comparison of massively parallel SIMD computers using air pollution models. *Lecture Notes in Computer Science*, 879:110–126, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bubak:1994:PDD**

- [3492] M. Bubak, J. Moscinski, M. Pogoda, and W. Zdechlikiewicz. Parallel distributed 2-D short-range molecular dynamics on networked workstations. *Lecture Notes in Computer Science*, 879:127–135, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bubak:1994:IPL**

- [3493] M. Bubak, J. Moscinski, and R. Slota. Implementation of parallel lattice gas program on workstations under PVM. *Lecture Notes in Computer Science*, 879:136–146, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Choi:1994:CNS**

- [3494] J. Choi, J. J. Dongarra, R. Pozo, and D. W. Walker. Constructing numerical software libraries for high-performance computing environments.

*Lecture Notes in Computer Science*, 879:147–168, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dayde:1994:CE**

- [3495] M. J. Dayde and I. S. Duff. The CERFACS experience. *Lecture Notes in Computer Science*, 879:169–176, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dohmen:1994:TAP**

- [3496] R. Dohmen. Towards an automatic portation of programs from nCUBE2 to KSR1. *Lecture Notes in Computer Science*, 879:177–189, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Elinov:1994:SDP**

- [3497] V. D. Elinov, O. G. Monakhov, and I. I. Ushatinsky. Seismic data processing: Parallel and conservative computations on the multitransputer system. *Lecture Notes in Computer Science*, 879:190–193, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fet:1994:HPC**

- [3498] Y. I. Fet and A. P. Vazhenin. Heterogeneous processing: A combined approach. *Lecture Notes in Computer Science*, 879:194–206, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Filippone:1994:ENS**

- [3499] S. Filippone and M. L. Sales. Experiences in numerical software on IBM distributed memory architectures. *Lecture*

*Notes in Computer Science*, 879:207–218, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Freeman:1994:SMM**

- [3500] T. L. Freeman and J. M. Bull. Shared memory and message passing implementations of parallel algorithms for numerical integration. *Lecture Notes in Computer Science*, 879:219–228, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gajecki:1994:NAT**

- [3501] M. Gajecki and J. Moscinski. A new algorithm for the traveling salesman problem on networked workstations. *Lecture Notes in Computer Science*, 879:229–235, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Geist:1994:CCW**

- [3502] G. A. Geist. Cluster computing: The wave of the future? *Lecture Notes in Computer Science*, 879:236–246, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grosz:1994:NFE**

- [3503] L. Grosz, C. Roll, and W. Schoenauer. Nonlinear finite element problems on parallel computers. *Lecture Notes in Computer Science*, 879:247–261, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hakula:1994:FEM**

- [3504] H. Hakula, J. Malinen, P. Kallberg, and P. Valve. The finite element method applied to the exterior Helmholtz problem on the IBM SP-1. *Lecture Notes in*

*Computer Science*, 879:262–269, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hammarling:1994:CPL**

- [3505] S. Hammarling. The challenge of portable libraries for high performance machines. *Lecture Notes in Computer Science*, 879:270–286, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hansen:1994:PIR**

- [3506] P. C. Hansen. Parallel issues of regularization problems. *Lecture Notes in Computer Science*, 879:287–295, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hansen:1994:TEP**

- [3507] P. C. Hansen, T. Ostromsky, and Z. Zlatev. Two enhancements in a partitioned sparse code. *Lecture Notes in Computer Science*, 879:296–303, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harrod:1994:NAC**

- [3508] W. J. Harrod and M. Sidani. Numerical algorithms for the Cray T3D. *Lecture Notes in Computer Science*, 879:304–311, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hunding:1994:NDB**

- [3509] A. Hunding. Nonlinear dynamics in biochemical control systems. *Lecture Notes in Computer Science*, 879:312–317, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Johnsson:1994:SSL**

- [3510] S. L. Johnsson and K. K. Mathur. Scientific software libraries for scalable architectures. *Lecture Notes in Computer Science*, 879:318–332, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kienhoefer:1994:ESP**

- [3511] J. G. Kienhoefer. The EFECT system for parallel programming. *Lecture Notes in Computer Science*, 879:333–343, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Larsen:1994:OOD**

- [3512] T. Larsen, W. Joosen, and J. Peram. The object-oriented development of a parallel application in polymer dynamics. *Lecture Notes in Computer Science*, 879:344–348, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leszczynski:1994:SDA**

- [3513] H. Leszczynski and J. Pieniazek. On some difference analogues of PDEs with a delay. *Lecture Notes in Computer Science*, 879:349–357, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Madsen:1994:PIM**

- [3514] K. Madsen and O. Toft. Parallel interval methods for perturbed linear systems. *Lecture Notes in Computer Science*, 879:358–361, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McBryan:1994:LFH**

- [3515] O. A. McBryan. Limiting factors in high performance computing. *Lecture Notes in Computer Science*, 879:362–373, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Michielse:1994:PCE**

- [3516] P. Michielse. Programming the convex exemplar series SPP system. *Lecture Notes in Computer Science*, 879:374–382, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Museth:1994:FQM**

- [3517] K. Museth, G. D. Billing, and J. Linderberg. The full quantum mechanical three body problem of H<sub>0</sub>+2. *Lecture Notes in Computer Science*, 879:383–391, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nielsen:1994:MDE**

- [3518] O. H. Nielsen. Molecular dynamics: experiences with Connection Machines CM-200 and CM-5. *Lecture Notes in Computer Science*, 879:392–396, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nordling:1994:SOD**

- [3519] P. Nordling and P. Fritzson. Solving ordinary differential equations on parallel computers — applied to dynamic rolling bearings simulation. *Lecture Notes in Computer Science*, 879:397–415, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paprzycki:1994:SLR**

- [3520] M. Paprzycki and P. Stpiczynski. Solving linear recurrence systems on a Cray Y-MP. *Lecture Notes in Computer Science*, 879:416–424, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pedersen:1994:STE**

- [3521] P. M. Pedersen and S. M. Balle. Selected techniques for efficient parallel implementation of dense linear algebra algorithms on the Connection Machine CM-5/CM-5E. *Lecture Notes in Computer Science*, 879:425–433, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Skaalin:1994:PHM**

- [3522] R. Skaalin, D. Bjoerge, N. Gustafsson, and I. Lie. Parallelization of HIRLAM on MIMD platforms. *Lecture Notes in Computer Science*, 879:434–457, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Soerensen:1994:SFD**

- [3523] J. N. Soerensen, M. O. L. Hansen, and E. Jensen. Simulation of fluid dynamical flow problems. *Lecture Notes in Computer Science*, 879:458–468, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Szularz:1994:PAP**

- [3524] M. Szularz, J. Weston, K. Murphy, and M. Clint. Parallel algorithms for the partial eigensolution of large sparse matrices on novel architecture computers. *Lecture Notes in Computer Science*, 879:469–482, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tengwall:1994:SAP**

- [3525] C. G. Tengwall. SP2 architecture and performance. *Lecture Notes in Computer Science*, 879:483–492, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thomsen:1994:RTS**

- [3526] P. G. Thomsen. Real time simulation in a cluster computing environment. *Lecture Notes in Computer Science*, 879:493–497, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Toxvaerd:1994:PCM**

- [3527] S. Toxvaerd. Parallel computations in molecular dynamics. *Lecture Notes in Computer Science*, 879:498–504, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vazhenin:1994:EHA**

- [3528] A. P. Vazhenin. Efficient high-accuracy computations in massively parallel systems. *Lecture Notes in Computer Science*, 879:505–519, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yalamov:1994:SPB**

- [3529] P. Y. Yalamov. Stability of parallel bidiagonal solvers. *Lecture Notes in Computer Science*, 879:520–533, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zemla:1994:WTC**

- [3530] A. Zemla. Wavelet transforms computing on PVM. *Lecture Notes in Computer Science*, 879:534–546, 1994.



CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zlatev:1994:PPS**

- [3531] Z. Zlatev and J. Wasniewski. PARASPAR: Parallel solvers for sparse linear algebraic systems. *Lecture Notes in Computer Science*, 879:547–556, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zrimsek:1994:FMF**

- [3532] A. Zrimsek and T. Smukavec. Fair metacomputer — FMC. *Lecture Notes in Computer Science*, 879:557–566, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kozen:1994:ERS**

- [3533] D. Kozen. Efficient resolution of singularities of plane curves. *Lecture Notes in Computer Science*, 880:1–11, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Couveignes:1994:ICG**

- [3534] J.-M. Couveignes, J. F. Diaz-Frias, M. De Rougemont, and M. Santha. On the interactive complexity of graph reliability. *Lecture Notes in Computer Science*, 880:12–23, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dietzfelbinger:1994:MUL**

- [3535] M. Dietzfelbinger and M. Huehne. Matching upper and lower bounds for simulations of several tapes on one multidimensional tape. *Lecture Notes in Computer Science*, 880:24–35, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Caussinus:1994:CCQ**

- [3536] H. Caussinus and F. Lemieux. The complexity of computing over quasi-groups. *Lecture Notes in Computer Science*, 880:36–47, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mahajan:1994:NCC**

- [3537] M. Mahajan and V. Vinay. Non-commutative computation, depth reduction and skew circuits. *Lecture Notes in Computer Science*, 880:48–59, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coquand:1994:IDT**

- [3538] T. Coquand and P. Dybjer. Inductive definitions and type theory an introduction (preliminary version). *Lecture Notes in Computer Science*, 880:60–76, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Broy:1994:IVF**

- [3539] M. Broy, U. Hinkel, T. Nipkow, and C. Prehofer. Interpreter verification for a functional language. *Lecture Notes in Computer Science*, 880:77–88, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lakshmanan:1994:EFL**

- [3540] V. S. Lakshmanan. An epistemic foundation for logic programming with uncertainty. *Lecture Notes in Computer Science*, 880:89–100, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsuiki:1994:TCM**

- [3541] H. Tsuiki. On typed calculi with a merge operator. *Lecture Notes in Computer Science*, 880:101–112, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Frigioni:1994:IAS**

- [3542] D. Frigioni, A. Marchetti-Spaccamela, and U. Nanni. Incremental algorithms for the single-source shortest path problem. *Lecture Notes in Computer Science*, 880:113–124, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**RaoArikati:1994:ARD**

- [3543] S. Rao Arikati and A. Maheshwari. An  $O(n)$  algorithm for realizing degree sequences. *Lecture Notes in Computer Science*, 880:125–136, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Subramanian:1994:CSR**

- [3544] C. R. Subramanian and C. E. Veni Madhavan. Coloring semi-random graphs in polynomial expected time. *Lecture Notes in Computer Science*, 880:137–148, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thomas:1994:FSS**

- [3545] W. Thomas. Finite-state strategies in regular infinite games. *Lecture Notes in Computer Science*, 880:149–158, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nandy:1994:LLE**

- [3546] S. C. Nandy, A. Sinha, and B. B. Bhattacharya. Location of the largest empty rectangle among arbitrary obstacles. *Lecture Notes in Computer Science*, 880:159–170, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dahlhaus:1994:EPL**

- [3547] E. Dahlhaus. Efficient parallel and linear time sequential split decomposition. *Lecture Notes in Computer Science*, 880:171–180, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Biswas:1994:ACV**

- [3548] S. Biswas, D. C. Prasad, and S. P. Pal. Algorithms for convex visibility problems. *Lecture Notes in Computer Science*, 880:181–192, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sen:1994:LBP**

- [3549] S. Sen. Lower bounds for parallel algebraic decision trees, complexity of convex hulls and related problems. *Lecture Notes in Computer Science*, 880:193–204, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amadio:1994:LF**

- [3550] R. M. Amadio and S. Prasad. Localities and failures. *Lecture Notes in Computer Science*, 880:205–216, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Natarajan:1994:PAP**

- [3551] V. Natarajan, I. Christoff, L. Christoff, and R. Cleaveland. Priority and abstraction in process algebra. *Lecture Notes in Computer Science*, 880:217–230, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**NarayanKumar:1994:CPO**

- [3552] K. Narayan Kumar and P. K. Pandya. On the computational power of operators in ICSP with fairness. *Lecture Notes in Computer Science*, 880:231–242, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yi:1994:DTL**

- [3553] W. Yi and B. Jonsson. Decidability of timed language-inclusion for networks of real-time communicating sequential processes. *Lecture Notes in Computer Science*, 880:243–255, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fortnow:1994:MFT**

- [3554] L. Fortnow. My favorite ten complexity theorems of the past decade. *Lecture Notes in Computer Science*, 880:256–275, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaji:1994:SUP**

- [3555] Y. Kaji, T. Fujiwara, and T. Kasami. Solving a unification problem under constrained substitutions using tree automata. *Lecture Notes in Computer Science*, 880:276–287, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ramesh:1994:ADE**

- [3556] R. Ramesh, I. V. Ramakrishnan, and R. C. Sekar. Automata-driven efficient subterm unification. *Lecture Notes in Computer Science*, 880:288–299, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Raghavan:1994:RAA**

- [3557] P. Raghavan. Randomized approximation algorithms in combinatorial optimization. *Lecture Notes in Computer Science*, 880:300–317, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arora:1994:LBG**

- [3558] V. Arora, V. Santosh, H. Saran, and V. V. Vazirani. A limited-backtrack greedy schema for approximation algorithms. *Lecture Notes in Computer Science*, 880:318–329, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Crescenzi:1994:ASP**

- [3559] P. Crescenzi and L. Trevisan. On approximation scheme preserving reducibility and its applications. *Lecture Notes in Computer Science*, 880:330–341, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hunt:1994:ASU**

- [3560] H. B. Hunt, M. V. Marathe, V. Radhakrishnan, and S. S. Ravi. Approximation schemes using  $L$ -reductions. *Lecture Notes in Computer Science*, 880:342–353, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Subramanian:1994:ES**

- [3561] A. Subramanian. An explanation of splaying. *Lecture Notes in Computer Science*, 880:354–365, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Desel:1994:PNR**

- [3562] J. Desel and M.-D. Radola. Proving non-reachability by modulo-place-invariants. *Lecture Notes in Computer Science*, 880:366–377, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Knapp:1994:SCU**

- [3563] E. Knapp. Soundness and completeness of UNITY logic. *Lecture Notes in Computer Science*, 880:378–389, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Savicky:1994:EAT**

- [3564] P. Savicky and I. Wegener. Efficient algorithms for the transformation between different types of binary decision diagrams. *Lecture Notes in Computer Science*, 880:390–401, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Siegel:1994:ELS**

- [3565] M. Siegel and F. A. Stomp. Extending the limits of sequentially phased reasoning. *Lecture Notes in Computer Science*, 880:402–413, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Estivill-Castro:1994:FFE**

- [3566] V. Estivill-Castro and D. Wood. Foundations for faster external sorting. *Lec-*

*ture Notes in Computer Science*, 880:414–425, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hooker:1994:BRS**

- [3567] J. N. Hooker and V. Vinay. Branching rules for satisfiability. *Lecture Notes in Computer Science*, 880:426–437, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kapur:1994:ULA**

- [3568] D. Kapur and M. Subramanian. Using linear arithmetic procedure for generating induction schemes. *Lecture Notes in Computer Science*, 880:438–449, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kervella:1994:TCM**

- [3569] B. Kervella, V. Gay, and E. Horlait. Towards a complete multimedia mail: Use of MHEG in standard messaging systems. *Lecture Notes in Computer Science*, 882:1–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thimm:1994:MBT**

- [3570] H. Thimm, K. Roehr, and T. C. Rakow. A mail-based teleservice architecture for archiving and retrieving dynamically composable multimedia documents. *Lecture Notes in Computer Science*, 882:14–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blum:1994:GSS**

- [3571] C. Blum and L. Neumann. The global store server — A multimedia teleservice component. *Lecture Notes in Computer*

*Science*, 882:35–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leopold:1994:BNS**

- [3572] H. Leopold, K. Frimpong-Ansah, and N. Singer. From broadband network services to a distributed multimedia support-environment. *Lecture Notes in Computer Science*, 882:47–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shenker:1994:MSE**

- [3573] S. Shenker, A. Weinrib, and E. Schooler. Managing shared ephemeral teleconferencing state: Policy and mechanism. *Lecture Notes in Computer Science*, 882:69–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Loge:1994:CCS**

- [3574] C. Loge, V. Gay, and E. Horlait. Computational components for synchronous cooperation on multimedia information. *Lecture Notes in Computer Science*, 882:89–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lazar:1994:BAM**

- [3575] A. A. Lazar, S. K. Bhonsle, and K. S. Lim. A binding architecture for multimedia networks. *Lecture Notes in Computer Science*, 882:103–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fedaoui:1994:IEE**

- [3576] L. Fedaoui, A. Seneviratne, and E. Horlait. Implementation of an end-to-end quality of service management

scheme. *Lecture Notes in Computer Science*, 882:124–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bowman:1994:FDT**

- [3577] H. Bowman, L. Blair, G. S. Blair, and A. G. Chetwynd. A formal description technique supporting expression of quality of service and media synchronisation. *Lecture Notes in Computer Science*, 882:145–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yen:1994:SMM**

- [3578] W. Yen and I. F. Akyildiz. On the synchronization mechanisms for multimedia integrated services networks. *Lecture Notes in Computer Science*, 882:168–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Szyperski:1994:ESM**

- [3579] C. Szyperski and G. Ventre. Efficient support for multiparty communication. *Lecture Notes in Computer Science*, 882:185–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mathy:1994:QNM**

- [3580] L. Mathy and O. Bonaventure. QoS negotiation for multicast communications. *Lecture Notes in Computer Science*, 882:199–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carle:1994:SHP**

- [3581] G. Carle, J. Schiller, and C. Schmidt. Support for high-performance multi-

point multimedia services. *Lecture Notes in Computer Science*, 882:219–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schatzmayr:1994:PSD**

- [3582] R. Schatzmayr and R. Popescu-Zeletin. Providing support for data transfer in a new networking environment. *Lecture Notes in Computer Science*, 882:241–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sakatani:1994:CAV**

- [3583] T. Sakatani. Congestion avoidance for video over IP networks. *Lecture Notes in Computer Science*, 882:256–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wittig:1994:NLS**

- [3584] H. Wittig, J. Winckler, and J. Sandvoss. Network layer scaling: Congestion control in multimedia communication with heterogeneous networks and receivers. *Lecture Notes in Computer Science*, 882:274–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hamdi:1994:RRV**

- [3585] M. Hamdi, P. Rolin, Y. Duboc, and M. Ferry. Resource requirements for VBR MPEG traffic in interactive applications. *Lecture Notes in Computer Science*, 882:294–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andrade:1994:TMA**

- [3586] T. Andrade and A. P. Alves. Transmission of MPEG2 applications over ATM networks. *Lecture Notes in Computer Science*, 882:310–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clark:1994:PMC**

- [3587] W. J. Clark. Protocols for multimedia conferencing — an introduction to the ITU-T T.120 series. *Lecture Notes in Computer Science*, 882:322–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dermler:1994:PMT**

- [3588] G. Dermler, T. Gutekunst, E. Ostrowski, and N. Pires. A platform for multimedia teleoperation bridging endsystem heterogeneity. *Lecture Notes in Computer Science*, 882:334–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pronios:1994:SMH**

- [3589] N. B. Pronios and T. Bozios. A scheme for multimedia and hypermedia synchronisation. *Lecture Notes in Computer Science*, 882:340–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Riexinger:1994:IEA**

- [3590] D. Riexinger and K. Werner. Integration of existing applications into a conference system. *Lecture Notes in Computer Science*, 882:346–??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rozek:1994:CMCb**

- [3591] A. Rozek and P. Christ. The CIO multimedia communication platform. *Lecture Notes in Computer Science*, 882: 356-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blanco:1994:BMC**

- [3592] M. A. Blanco, R. Montero, F. Almerico, and G. Venuti. Broadband multimedia and collaboration tools. idea project. *Lecture Notes in Computer Science*, 882:368-??, 1994. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hunt:1994:FVM**

- [3593] Warren A. Hunt. *FM8501, a verified microprocessor*, volume 795 of *Lecture Notes in Artificial Intelligence and Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 1994. CODEN LNCSD9. ISBN 0-387-57960-5 (New York), 3-540-57960-5 (Berlin). ISSN 0302-9743 (print), 1611-3349 (electronic). xiii + 333 pp. LCCN QA73.8.F6 H86 1994.

**Ishida:1994:PDM**

- [3594] Toru Ishida. *Parallel, distributed, and multiagent production systems*, volume 878 of *Lecture Notes in Artificial Intelligence and Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 1994. CODEN LNCSD9. ISBN 3-540-58698-9 (Berlin), 0-387-58698-9 (New York). ISSN 0302-9743 (print), 1611-3349 (electronic). xvi + 166 pp. LCCN QA7.58 .I84 1994. DM46.00.