A Bibliography of Pseudorandom Number Generation, Sampling, Selection, Distribution, and Testing

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23 August 2024
Version 1.395

Title word cross-reference

#14 [2315]. **#15949** [892]. **#4059** [1266]. **#8373** [2137].

$(0,1)$ [1077]. $(0,s)$ [2579, 2980]. $(a^n-1)/(a-1)$ [939]. (j,ϵ) [746]. $(n^2\alpha)$ [2530]. $(n^k\alpha)$ [2531]. $(n\alpha)$ [2530]. (t,m,s) [2081, 2937, 2087, 2388]. (t,s) [2675, 2081, 2379, 2937, 2087]. (X,Y) [3696]. $(X^2-Y^2)^{1/2}$ [499]. $0.1(0\times 1)0\times 9$ [141]. 1 [753, 896, 2890, 173, 306, 728, 3015, 3017]. $1,2,3$ [3551]. $1.13198824\ldots$ [2554]. $10,000$ [285]. **$10.00** [170]. 10^{2857} [2525]. 10^{435} [2078]. 1200μ [3180]. 128 [3206]. 13 [273]. 16 [273]. 2 [2890, 2156, 951, 3142, 2539, 2869, 3019]. 2,000 [87]. **$24.95** [2124]. $2^{-31}-1$ [856, 952]. 2^{15} [2174]. $2^{31}-1$ [3601, 820, 995, 1028, 1219, 1220]. $2^{31}-69$ [3444]. $2^{32}-1$ [1110]. 2^{α} [1502, 2275]. 2^{β} [1341, 1509, 1761]. 2^k [2656]. 2^{k-1} [2656]. 2^p [3301]. 2^p-1 [2308]. 2^t [3934]. 3 [1817, 3742]. 32 [3687]. 4 [273]. 48

[248]. 5 [273]. **$52.95** [3653]. 64 [3874]. $[0,1]$ [219, 868]. $^{-1}$ [3688]. ^{2} [3180]. $_{\tau}$ [2410, 1990]. a [369]. $a = \pm 2^q \pm 2^r$ [2443, 2517]. a_n [664]. $\alpha \geq 1$ [3691]. $\alpha\lambda$ [730, 731]. b [2171, 3395]. $b = 2, 3, 5, 6, 7, 10, 11, 12$ [1057, 1326, 2663]. $b^n \pm 1$ [1057, 1326, 2663]. $\beta = 32$ [1341]. $\beta = 48$ [1341]. $\beta \simeq 32$ [1509]. $\beta \simeq 48$ [1509]. $\left\{\frac{a}{m}j^2\right\}, \left\{\frac{a}{m}(j+\tau)^2\right\}$ [328]. mod1 [301, 302, 407, 656, 739, 661]. mod$n$ [2241]. C^∞ [1285]. $C\exp(-\lambda|x|^\nu)$ [1490]. χ^2 [349, 947, 1107, 1108, 1109, 6, 7]. D [2414, 1837, 3027, 2115]. d^2 [93]. e [81, 1528, 87, 372]. ϵ [1942]. F_2 [3061, 3071, 3287, 3874]. F_{2^w} [2870]. G [452, 453]. Γ [1240, 1214]. j [2042]. K [2228, 3892, 1478, 3862, 3894, 1795, 2148, 1062, 1343, 1949, 3741, 3772, 1128, 1381, 1998]. $k > 1$ [1370]. L^2 [2066, 1994]. L_2 [2166]. L_p [2440]. λ [2859]. M [1457, 1224, 1190, 849, 469, 1064, 1033, 446, 250, 1374, 2191, 2374, 2109, 2216, 2218, 2305, 1139, 231]. $\mathbf{F}_2$ [3145, 3517]. $\mathbf{F}_{2^w}$ [3018]. $\mathbf{F}_q$ [3264, 3572]. $\mathbf{F}_{q^m}$ [3264, 3572]. $\mathbf{R}^d$ [3997]. $\mathbf{F_2}$ [3518]. $\mathrm{GF}(2^{\mathrm{m}})$ [1587]. μ [3243]. N [1157, 915, 270, 1331, 1706, 1707, 2262, 727, 3738, 205, 621, 196, 2831, 201, 1544, 3851, 801, 207, 429, 804]. O(3) [1589]. $O(n(1+\log(N/n)))$ [1959]. P [6, 725, 3913, 3988, 3185, 2462, 2209, 3397, 2222, 2406]. $\partial^2 u/\partial x^2 + \partial^2 u/\partial y^2 + (K/y)(\partial u/\partial y) = 0$ [197]. π [2903, 81, 1528, 87, 285, 288, 2956]. ± 1 [664]. $\pm 2^{k_1} \pm 2^{k_2}$ [2308]. $\pm 2^{p_1} \pm 2^{p_2}$ [2648]. q [2543]. S [1027, 1900]. σ [1589]. $\sqrt{2}$ [410, 441]. $\sum a_n/n$ [664]. T [2610, 2887, 1890, 850, 1900, 1329, 3065, 867, 961, 966, 40]. $U(0,1)$ [2761]. $X(I+1) = AX(I) \bmod 2^{31}1$ [782]. X/Z [3696]. $x^2 \bmod N$ [2025]. $X_{n+1} = a_n X_n + b_n \pmod p$ [1822]. $X_t = X_{t-3p} \oplus X_{t-3q}$ [1512]. Y/Z [3696]. $y = [(a+x)\sin(bx)] \bmod 1$ [2386]. Z [3696]. Z/nZ [1933]. Z_p [1412].

good [2707].

-adic [3395, 453, 452, 2406]. **-biased** [1942]. **-Bit** [3206, 3874, 248]. **-concave** [2610]. **-D** [3142]. **-deformed** [2543]. **-dependent** [1942]. **-Detection** [3851]. **-digit** [273]. **-Dimensional** [270, 196, 201, 915, 1544, 1998, 1795, 804, 205, 1331, 3027]. **-discrepancy** [2066]. **-distributed** [1343]. **-Distribution** [966, 1890, 1062]. **-distributions** [1837, 2115]. **-échantillon** [801]. **-estimates** [1457]. **-Fock** [2543]. **-function** [2042, 2859]. **-functions** [1285]. **-homomorphism** [2414]. **-Linear** [3061, 3145, 3874, 3071, 3287, 3517, 3518]. **-model** [1589]. **-net** [2081]. **-Nets** [2937, 2087, 2388]. **-nm** [3687]. **-observation** [1706, 1707]. **-quanta** [1214]. **-Random** [2222]. **-sample** [801]. **-sequence** [1033, 1374, 2374, 2081, 1224, 1190]. **-Sequences** [849, 2579, 2980, 446, 2379, 2937, 2087, 2675, 1064, 2191, 2109, 2216, 2218, 2305]. **-sphere** [1139, 429]. **-step** [1128, 1381]. **-System** [2228]. **-Values** [725, 3185]. **-Vector** [3894, 3862, 3741, 3772]. **-wise** [3892, 1478, 2148, 1949].

/dev/random [2745, 2801, 2892]. **/dev/urandom** [2801].

0.57pJ [3315]. **0.57pJ/bit** [3315]. **'05** [4162, 4166]. **'07** [4172]. **'08** [4177].

1 [763, 1066, 1955, 1956, 3426, 3330]. **1.04** [3243]. **1.1** [3765]. **1.6** [3688]. **'10** [4190, 908]. **1013** [3939]. **106** [1109, 842]. **10th** [4020, 4167]. **11** [1335]. **111** [815]. **11th** [4016, 4186, 4098]. **12** [892]. **120** [2888]. **128-bit** [2496, 3199]. **12th** [4166]. **'13** [4212]. **133** [268, 269, 308, 314]. **134** [896]. **13th** [4134]. **14th** [4173, 4101]. **153** [950, 1108, 1109]. **155** [947, 1109]. **157** [998]. **16** [1500, 3026, 933]. **16-Bit** [1288, 1898, 759, 1500, 2212]. **16-bit-PC** [1500]. **160** [2513]. **16th** [4084]. **1750** [1913]. **17th** [4190]. **181** [1861]. **183** [1181, 1048, 1142, 1255]. **193** [1167, 1067]. **1949** [4008]. **1953** [4011]. **1954** [4012]. **1957** [4013]. **1960** [4014]. **1962** [4018]. **1965** [4020]. **1967** [4021]. **1970** [506]. **1971** [4024]. **1974** [4026]. **1976** [4030, 4027]. **1978** [4031]. **1981** [4036]. **1983** [4039, 4042]. **1984** [4046, 4044]. **1986** [4050, 4054]. **1987** [4055]. **1988** [4061, 4060, 4062, 4064, 4065]. **1989** [4070]. **1990** [4071, 4072, 4086]. **1991** [4078, 4079, 4084]. **1992** [4082, 4089, 4090]. **1994** [4100, 4102, 4110, 4103, 4104]. **1995** [4105, 4116, 4107]. **1996** [4130, 4118]. **1997** [4119, 4123]. **1998** [4136, 4129, 4137]. **1999** [4132, 4133]. **1a** [3430].

2 [196, 221, 2293, 3427]. **2.4GHz** [3439]. **20** [2124, 2463]. **200** [303, 364]. **2000** [4154, 4143, 3156]. **2001** [4149, 4151]. **2002** [4152, 2662, 4159]. **2003** [2936]. **2004** [4157, 2662, 4169]. **2005** [4162, 4171]. **2006** [4180]. **2007** [4172, 3181, 4176]. **2008** [4177, 4179, 4187]. **2009** [4188]. **2010** [4190, 4195]. **2011** [4202]. **2014** [3779, 3818]. **2018** [3887]. **204** [1107]. **205** [1406, 1118]. **20MHz** [2584]. **20th** [4217, 4064, 4065]. **21st** [4129, 2825]. **22** [2914, 3639]. **22nd** [4133]. **235** [321]. **23rd** [4037]. **247** [324]. **24th** [4040]. **25** [2137]. **25th** [4043]. **266** [361, 362, 628]. **267** [363]. **27th** [4175]. **28th** [4058]. **29** [504, 806]. **294** [425]. **29th** [4079, 4063]. **2nd** [4036, 4049].

3 [3147, 3774, 1976, 3428, 3781]. **3-Key** [2919]. **3.0** [2677]. **3.x** [2314]. **30** [3562]. **30th** [4069, 4090]. **31** [2597]. **31-bit** [771]. **31st** [4075]. **32-Bit** [1236, 2999, 3070, 1769, 3443]. **32-bit-word** [545]. **334** [434, 479]. **33rd** [4085]. **342** [459, 461]. **360** [813, 677, 478, 483, 492, 462]. **360/370** [721]. **369** [529]. **36th** [4157, 4108]. **370** [501, 618]. **37th** [4162, 4117]. **3800** [2120]. **381** [516, 623]. **38th** [4121]. **39th** [4172].

4 [465, 672, 3429]. **4086** [2904]. **40th** [4177]. **41st** [4142]. **42** [692, 693]. **4217th** [3444]. **4217th-order** [3444]. **425** [596, 697]. **42nd** [4146]. **440** [3112]. **440-nA** [3112]. **441** [644]. **45nm** [3315, 3439]. **46** [2137]. **48** [497]. **48-Bit** [1043, 929]. **488** [674]. **4Gbps** [3315].

5.0 [1668]. **5.2** [2801]. **500** [3368, 322]. **51st** [4196]. **52** [892]. **52nd** [4211]. **5th** [4178].

6 [3686]. **60th** [4213]. **61** [1255]. **623-dimensionally** [2373]. **64-bit**

[2246, 760, 2707, 2857, 2537, 3559, 3564]. **647** [1222]. **659** [1324, 2772]. **668** [1358]. **678** [1437]. **6th** [4141].

701 [155]. **71** [1266]. **712** [1735]. **738** [1893]. **76** [1034]. **780** [2343]. **79** [2170]. **7mW** [3439].

8-bit [2584]. **8.8/11.2** [4194]. **800** [3047, 3816]. **800-22** [3430]. **800-90** [3047]. **800-90B** [3816]. **802** [2504]. **806** [2528, 2529]. **8088/8086** [1268]. **80f** [933]. **82** [4038]. **82g** [1066]. **82h** [1034]. **84** [4048]. **85** [2048]. **'86** [4059]. **'87** [4056]. **'88** [4074]. **8th** [4206, 4062].

'90 [4076, 3047, 2054]. **90/150** [2802]. **90/95** [2674]. **90B** [3816]. **'91** [4084]. **92** [716]. **'93** [4091, 4094]. **'94** [4101, 4102, 4103]. **947** [3735]. **'95** [4107, 4109, 2013]. **958** [3805]. **'96** [4113, 4118]. **'97** [4123, 2452]. **970** [3855]. **978** [3686]. **978-0-521-17561-6** [3686]. **978-0-88385-043-5** [3653]. **97j** [2293]. **'98** [4136, 768, 862]. **9th** [4194].

= [4013, 4024].

A.2.4 [2919]. **AAECC** [4134]. **AAECC-13** [4134]. **AbBT** [1622]. **Absolute** [400, 371]. **Absorption** [290]. **Abstract** [2416, 1162, 1516, 2598, 1633, 1638, 1553, 1195, 3614, 1436, 2509, 1829, 3527, 1241, 2475, 2478]. **abstracts** [4084]. **abuses** [1388]. **AC** [1991]. **Accelerated** [3290, 1879, 3663, 3713, 3672, 3167]. **Accelerating** [2320, 3377, 3746]. **Acceleration** [3867, 2263, 3724, 3909, 1952]. **Accelerator** [3935]. **Acceptance** [1510, 3614, 1120, 975, 3790, 2894, 1006, 1034]. **Acceptance-Complement** [1120]. **Acceptance-Rejection** [1510, 3614, 3790, 2894, 1006, 1034]. **Acceptance/rejection** [975]. **Access** [1791, 2027, 3941, 2194, 1693, 1694, 3150, 2077, 2742]. **according** [11, 694]. **Accumulated** [338, 1986]. **Accuracy** [212, 2750, 1337, 1447, 651, 1182, 2557, 3107, 3540, 2452, 2713, 2936, 3181, 3296, 563, 3749, 573, 629, 2195, 3041]. **Accurate** [3041, 851, 3768, 3106, 600, 3690]. **Achieve** [3900]. **achieving** [440]. **Acknowledgement** [692, 693]. **ACM** [4099, 4050, 4055, 4061, 4071, 4082, 4091, 4100, 4105, 4132, 4139, 4152, 4162, 4172, 4177, 4189, 4198, 4205, 4212, 4079, 4166, 4188, 4103, 674, 501, 596, 516, 644, 361, 618, 3547, 529]. **ACM-SIAM** [4099]. **ACORN** [1475, 1783]. **acquisition** [2271]. **acquisition-processing** [2271]. **ACR** [1521]. **Actel** [3135]. **actions** [2055]. **Active** [3586, 3094]. **Actuarial** [4161]. **Acyclic** [1402]. **Ada** [1403, 2013, 1206, 1721, 1354]. **Adams** [2243]. **Adaptive** [3045, 2045, 2261, 3147, 915, 732, 3754, 3389, 2277, 3741, 3552, 804]. **Add** [1777, 2656, 1925, 1875]. **Add-with-Carry** [1777, 1875]. **Addendum** [1328]. **addition** [2195]. **additional** [803]. **additions** [2061]. **Additive** [2122, 2657, 905, 2243, 200, 185, 2072, 2073, 2862, 455, 632, 470, 555, 598, 599, 1968, 839, 2304, 3571, 3223, 3454]. **adic** [3395, 452, 453, 2406]. **Adjoint**

[2089]. **adjustable** [3240]. **Administration** [4112]. **Admissible** [3082]. **Advanced** [1479, 1951, 4026, 4194, 4144, 2470, 2548]. **Advances** [4038, 4056, 4074, 1091, 4124, 4136, 2700, 4095, 2721, 4046, 4048, 4101, 4175, 4059]. **Advancing** [4184]. **Adventures** [3958, 4120]. **adversaries** [3652]. **advised** [3823]. **aegis** [4020]. **AES** [2766, 2509, 2594, 2919]. **Affairs** [4020]. **Affects** [3946, 3495]. **Affine** [3806, 3906, 2544]. **Against**
[2900, 3353, 3834, 1353, 3193, 3652, 3823, 3922]. **Age** [2750]. **Agricultural** [24, 299, 47, 73, 114, 115, 171, 172]. **Ahead** [3061, 3145, 3146, 3338]. **Ahrens** [892]. **AI** [4003]. **aid** [2100]. **Aimed** [3031]. **Air** [4021, 1909]. **AIS** [2597, 2463]. **AIX** [2801]. **Akima** [773]. **al.** [917]. **Alabama** [4079]. **Alamos** [3727]. **Alberta** [4026]. **Alea** [3473]. **aléatoire** [1892, 322, 801]. **aléatoires** [4005, 2824, 759, 2184, 284, 343, 2539, 1580]. **aleatorios** [134]. **Alexandria** [4166]. **Alfred** [3275]. **Algebra**
[2019, 3245, 1858, 3654, 4080, 3799, 4134, 424, 4080]. **Algebraic**
[435, 4092, 3726, 1529, 4109, 2378, 2379, 526, 3981, 3903, 4134, 1360, 121, 662, 99, 286, 3890]. **Algebraic-Geometry** [2378]. **Algorithm**
[3939, 753, 814, 2487, 2969, 899, 674, 1789, 544, 501, 757, 678, 1904, 1273, 2426, 2427, 2428, 2580, 105, 3146, 511, 1167, 2769, 1067, 596, 915, 1287, 3998, 3732, 516, 644, 27, 648, 2928, 3173, 3544, 1293, 1376, 1644, 1560, 2088, 835, 361, 2630, 618, 367, 529, 1988, 1989, 3438, 1873, 1995, 3855, 2881, 1046, 1581, 2219, 1047, 2652, 1879, 1670, 2958, 3790, 1886, 1888, 3352, 3114, 3044, 3666, 850, 1262, 1490, 756, 2412, 2489, 2898, 1103, 3836, 503, 3962, 552, 1155, 3259, 1278, 2159, 2757, 2585, 2912, 3517, 1165, 1119, 3163, 2922, 1449, 3932, 3968, 1738, 3813, 2865]. **algorithm** [793, 2617, 1185, 1298, 2868, 3698, 3850, 2381, 1080, 3852, 1085, 701, 927, 621, 3780, 1570, 1867, 3552, 2105, 3442, 1779, 1780, 1308, 2398, 2399, 1666, 2119, 2959, 2887, 3976, 750, 3656, 804, 2744, 3939, 896, 815, 268, 269, 434, 1324, 1893, 716, 947, 504, 321, 950, 1107, 1222, 303, 768, 998, 324, 2343, 380, 1167, 862, 1067, 2504, 2772, 1358, 1437, 479, 3735, 308, 3805, 1735, 2528, 2529, 1181, 697, 362, 363, 364, 391, 314, 623, 842, 459, 461, 425, 628, 3855, 806, 1048, 1142, 3341, 3462, 1255]. **Algorithmic**
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G [541, 2974, 594, 637, 1956, 1079, 262, 70]. **G5** [380, 391, 434, 674, 596, 479, 644, 362, 363, 364, 618, 461, 628]. **Galois** [2228]. **gambler** [3163]. **Gambling** [2482, 2654, 3709]. **Game** [2871, 3924, 2823, 3150]. **game-playing** [2823]. **gaming** [489]. **Gamma** [670, 3978, 752, 814, 542, 819, 906, 1272, 766, 867, 919, 2369, 2526, 1375, 3949, 2208, 1044, 534, 887, 888, 1015, 712, 805, 3706, 892, 897, 1261, 1053, 853, 377, 2837, 1032, 1231, 331, 961, 3068, 3846, 785, 3400, 828, 1078, 2086, 565, 617, 701, 880, 980, 747, 1016, 3209, 846, 748, 713, 1018, 761, 683, 3691]. **gamma-distributed** [331, 683]. **Gamma-distribution** [761]. **gamma-rays** [1078]. **gammaverteilten** [331]. **gap** [235]. **gas** [813, 677, 2300]. **GASPRNG** [3672]. **Gate** [3147, 2616, 3040]. **Gates** [3102, 3379]. **Gateway** [4148, 4042, 4089]. **Gathering** [2658]. **Gauss** [1852]. **Gaussian** [3106, 2657, 3939, 897, 1019, 1406, 674, 1100, 3247, 2492, 3720, 1609, 3057, 3259, 298, 350, 2834, 3609, 2269, 3729, 2271, 2512, 3388, 2696, 2852, 2926, 3005, 3006, 3170, 3531, 3624, 3540, 3690, 3768, 3810, 651, 1637, 451, 1038, 3740, 876, 365, 3021, 3431, 3432, 3746, 534, 396, 3096, 3211, 3705, 3749, 3785, 1876, 3451, 1584, 889, 2960, 2306, 2400]. **Gaussian-distributed** [3388]. **Gbit** [3562]. **Gbit/s** [3562]. **GCD** [1262, 1827, 1185, 1298, 1989, 1992, 2105, 1879]. **GCDs** [3175]. **GECCO** [4164, 4151]. **GECCO-2001** [4151]. **geeks** [2785]. **gems** [4200, 4210, 4181]. **Gen2** [3243, 3434]. **généateurs** [4005]. **General** [946, 501, 1930, 1931, 2052, 3805, 3170, 524, 106, 1081, 847, 3224, 2311, 4080, 721, 3765, 385, 968, 1249, 3091, 3557, 3886, 618]. **General-Purpose** [1081]. **Generalised** [2172, 897]. **Generalization** [444, 238]. **generalizations** [3603]. **Generalized** [3863, 1209, 1328, 1701, 2830, 3260, 1369, 648, 388, 3303, 2735, 1019, 3925, 1894, 3242, 1799, 3720, 1919, 2757, 410, 441, 1351, 3514, 2837, 3729, 1940, 3068, 2062, 3169, 3531, 1850, 1297, 2632, 2726, 2941, 3027, 2732, 1062]. **Generate** [1320, 1022, 1096, 1893, 2590, 1526, 3708, 1886, 2410, 772, 2168, 1229, 3886, 1587, 1880, 1671, 2008]. **Generated** [3232, 3348, 267, 244, 1069, 613, 3777, 373, 3576, 1313, 1786, 581, 755, 1700, 438, 471, 585, 3603, 1419, 1503, 242, 765, 1344, 3059, 638, 1937, 1033, 2275, 2061, 2062, 1174, 3536, 2187, 2368, 695, 797, 1184, 1462, 1557, 2534, 3189, 3638, 926, 836, 1041, 3555, 2886, 233, 2309]. **generates** [2617, 2946]. **générateurs** [1367, 2648, 2539, 2184]. **Generating** [1018, 2123, 2226, 814, 1679, 3828, 2890, 1596, 1788, 899, 945, 3590, 542, 1099, 1895, 2236, 852, 3719, 3366, 3758, 270, 196, 1210, 1211, 1606, 1798, 2495, 992, 1273, 3140, 153, 323, 408, 3510, 3511, 3926, 478, 245, 201, 1938, 3729, 3730, 155, 2512, 1947, 2059, 777, 1728, 1729, 1120, 1007, 1839, 3531, 309, 2067, 3540, 251, 870, 253, 254, 280, 281, 311, 335, 788, 966, 1126, 2369, 2526, 1642, 2076,

791, 1375, 3632, 831, 3544, 1293, 1376, 204, 205, 524, 2791, 1561, 1564, 3417, 2459, 1978, 2093, 527, 619, 702, 3310, 2207, 1247, 2208, 1091]. **Generating** [460, 2215, 1136, 626, 2301, 2549, 2476, 1310, 847, 2115, 1141, 713, 2957, 3038, 1393, 1050, 2562, 3753, 675, 1901, 1101, 1103, 767, 1926, 1227, 3610, 94, 1521, 1826, 3614, 1533, 961, 1834, 918, 3068, 1449, 2611, 3624, 785, 334, 226, 255, 283, 336, 828, 1124, 2370, 2527, 3813, 488, 2376, 3695, 920, 3013, 2381, 565, 617, 662, 344, 1864, 701, 621, 2386, 566, 3780, 1089, 880, 980, 2803, 1576, 3974, 747, 845, 193, 167, 1666, 4007, 711, 1475, 3976, 2556, 3656, 1883]. **Generation** [3466, 3892, 1017, 1398, 2408, 3859, 1260, 2819, 3711, 849, 541, 752, 753, 893, 894, 895, 896, 3475, 2315, 2892, 2968, 1322, 2231, 1487, 2320, 2488, 2322, 2141, 3489, 851, 757, 2570, 819, 1100, 1269, 759, 216, 547, 469, 1330, 2026, 1499, 2493, 1102, 1212, 2147, 2752, 2975, 3997, 634, 3258, 1060, 1335, 1216, 2036, 3723, 2422, 1106, 2337, 2980, 91, 92, 2678, 1924, 2340, 594, 2341, 2758, 3267, 637, 444, 2342, 2588, 325, 2269, 1723, 1936, 2842, 3615, 3149, 2593, 596, 1357, 2691, 330, 2693, 2172, 2694, 1072, 1359, 3617, 3618, 1948, 865, 1626].
Generation [3944, 776, 825, 867, 1535, 2276, 1451, 2604, 2850, 3002, 3166, 827, 3735, 1175, 3911, 3293, 249, 3688, 691, 1635, 1741, 3810, 3627, 2188, 1846, 2858, 2072, 2073, 3009, 451, 2192, 2863, 653, 607, 734, 1182, 3080, 131, 187, 1079, 2538, 3637, 3816, 608, 1756, 2084, 2198, 658, 697, 227, 3947, 1081, 663, 3851, 3949, 3916, 260, 1984, 3309, 1387, 1655, 1012, 2945, 3745, 1569, 3089, 2545, 287, 841, 879, 976, 977, 978, 979, 1014, 1092, 1192, 3438, 1990, 1870, 2949, 627, 885, 1250, 1774, 3206, 570, 2303, 3093, 3562, 3854, 3885, 887, 888].
Generation
[1015, 2646, 136, 165, 1778, 3097, 3211, 1876, 3214, 3215, 2219, 426, 1140, 1195, 537, 538, 1667, 712, 2480, 1590, 3655, 3824, 3578, 3790, 631, 3994, 1258, 431, 2485, 3861, 1483, 1787, 3110, 3233, 3791, 1890, 1321, 2967, 3476, 3477, 3662, 3663, 3664, 3713, 1261, 1891, 2130, 3042, 3585, 349, 3114, 987, 2893, 3666, 850, 3897, 2138, 3117, 817, 1055, 1892, 182, 1490, 1410, 946, 905, 1692, 401, 1793, 3833, 402, 2414, 2324, 3048, 2023, 2326, 468, 1329, 1331, 989, 1605, 1703, 2830, 3367, 990, 991, 1024, 1104, 1213, 1704, 1705, 1799, 2244, 3254, 3720, 994, 1153].
generation
[1417, 218, 2038, 2157, 322, 2832, 1421, 2425, 764, 553, 1064, 1280, 1424, 1512, 2983, 555, 185, 1282, 1350, 639, 2836, 3674, 3906, 3381, 3800, 3759, 2992, 2054, 1068, 1823, 2505, 2689, 2770, 1433, 3148, 1032, 202, 1436, 1725, 1523, 1524, 824, 1070, 3930, 118, 1171, 1232, 3158, 1003, 3945, 1444, 779, 1446, 3985, 1006, 1034, 3842, 1957, 2361, 2364, 2849, 3621, 3844, 1837, 129, 3622, 4000, 3687, 1452, 3968, 3766, 3809, 1237, 158, 1454, 3768, 2523, 789, 1075, 3691, 1848, 1968, 2449, 2528, 2529, 1849, 160, 130, 1127, 3634, 3815, 561, 562, 1647, 1754, 1755].
generation
[1972, 2083, 2085, 615, 3304, 876, 3698, 418, 3850, 490, 3776, 1080, 1040, 3546, 3852, 3021, 3423, 3022, 1086, 1042, 3025, 3087, 931, 973, 3991, 1190, 878, 2544, 975, 3028, 3746, 2300, 1193, 983, 149, 2107, 3563, 2218, 2552, 1472, 3036, 3098, 3705, 1580, 2553, 1308, 3888, 1139, 1309, 846, 3652, 573, 629, 668, 710, 3334, 3103, 2555, 3574, 3654, 2404, 1589, 1253, 2406, 2655, 2740, 3797, 1582, 3332,

1892, 322, 1580, 1500, 1001, 622, 890, 759, 1517, 1531, 1532, 1304, 2974, 3050]. **Generations** [3487, 3529, 3244, 2393]. **Generator** [3579, 1146, 3467, 1200, 1889, 3470, 3232, 3348, 2228, 3112, 2128, 295, 3479, 3586, 754, 3756, 3483, 1202, 3592, 1324, 902, 501, 1411, 818, 1492, 3492, 3362, 3979, 2018, 3126, 3243, 3364, 3957, 3996, 3597, 2022, 2416, 1151, 1601, 2325, 3247, 1905, 2901, 3901, 1607, 2753, 271, 2149, 3053, 3054, 3055, 3135, 3502, 2671, 2421, 2756, 3505, 3963, 1156, 3141, 2160, 3508, 1511, 3376, 821, 2499, 2681, 2908, 1346, 1426, 1514, 2431, 3377, 200, 243, 683, 1429, 3142, 3379, 3380, 3271, 507, 2989, 1283, 2436, 3273, 2839, 354, 3984, 1354, 3519, 1117, 3612, 3147, 2994, 1824, 2771, 1622]. **Generator** [3763, 2438, 3281, 1828, 3155, 1530, 1625, 3159, 3732, 2919, 2920, 3526, 1005, 332, 480, 1288, 3946, 3620, 3000, 646, 1735, 1736, 3173, 3807, 2931, 3398, 1544, 519, 520, 651, 2525, 1077, 2071, 2190, 1458, 1181, 2375, 2194, 1851, 3633, 3545, 3298, 1861, 3407, 3408, 3188, 3409, 3848, 3989, 925, 2382, 3085, 3086, 740, 1980, 3642, 838, 929, 1043, 229, 1568, 3950, 3432, 3199, 3647, 3311, 1191, 529, 530, 744, 932, 1572, 1573, 2390, 1574, 2103, 2639, 3031, 982, 2468, 3315, 3439, 886, 3033, 2108, 2879, 3562, 3094, 3207, 3208, 3320, 1471, 3210, 3321, 3785, 3213, 3449, 3324, 3325]. **Generator** [1581, 3326, 3328, 2113, 1668, 3333, 3335, 3573, 427, 1048, 1142, 1312, 1783, 3455, 3225, 3337, 3338, 3457, 3228, 3339, 3230, 3459, 3342, 1255, 3343, 3369, 2743, 3344, 2558, 1399, 812, 3346, 1593, 3893, 3231, 3106, 1675, 3109, 813, 3468, 3469, 2011, 2012, 2312, 2889, 1482, 3924, 2229, 3712, 3995, 3925, 1051, 3352, 1485, 465, 3481, 2894, 3667, 1683, 3116, 2895, 3755, 3237, 3356, 3117, 3118, 3238, 3239, 3485, 3486, 1409, 674, 1098, 3047, 632, 3240, 3757, 3241, 1600, 1898, 3361, 1412, 545, 3242, 3493, 1268, 320, 3128, 676, 677, 1696, 2829, 3130, 2025, 3496, 1413, 2492, 3497]. **generator** [1797, 3368, 989, 2669, 3669, 470, 3500, 3959, 3960, 551, 3257, 1105, 3981, 3372, 3137, 3057, 908, 1502, 1617, 1713, 1217, 1276, 1340, 760, 3504, 2907, 3724, 474, 721, 3506, 1508, 2582, 3725, 1279, 2834, 1343, 2338, 3672, 2584, 3839, 2683, 2434, 1163, 379, 411, 3378, 1518, 771, 773, 3269, 3270, 1351, 2046, 2164, 3060, 3609, 3965, 3272, 2048, 2049, 3840, 3516, 3276, 3520, 1932, 2350, 1935, 2917, 1939, 2504, 3065, 3148, 3280, 3680, 1230, 1621, 224, 382, 2271, 1231, 2437, 154, 2351, 1941, 2170, 2483, 2510, 3524, 2772, 1286, 1118, 3388, 3282, 1440, 2175, 2176]. **generator** [2275, 3156, 3157, 3283, 3160, 2513, 3909, 1004, 1445, 1628, 2921, 598, 599, 248, 781, 1121, 1365, 3390, 2281, 3284, 3391, 1008, 3165, 3285, 3286, 782, 2063, 2852, 2853, 2926, 3005, 3006, 2521, 1542, 483, 2610, 3532, 3533, 2932, 1841, 2854, 3396, 3535, 3538, 3808, 2185, 2705, 1960, 600, 1634, 649, 3539, 3690, 3294, 1546, 1547, 2287, 2707, 3401, 2859, 3542, 1967, 3739, 2373, 4002, 3543, 792, 454, 830, 2716, 793, 1078, 3404, 921, 832, 3405, 833, 3299, 3406, 1010, 1245, 3410, 659, 3192, 3697, 3083, 2203, 3306, 1463, 162, 491, 525, 3419, 968, 1652, 3193, 3882, 2384, 2540, 2092]. **generator** [1300, 800, 618, 2541, 1981, 3422, 620, 367, 3549, 1654, 3024, 2875, 2876, 3026, 1656, 3646, 703, 3783, 3820, 3027, 707, 1769, 2389, 3434, 492, 3552, 3553, 1660, 2102, 2212, 2213, 2637, 2947, 3972, 1868, 3436, 843, 1869, 289, 2948, 2466, 2640, 2805, 2550, 208, 2807, 3092, 2950, 3936, 3561, 2731, 1776, 2732, 2733,

2734, 2809, 2951, 2952, 3319, 3443, 3444, 3209, 3445, 3446, 1194, 2396, 3323, 1779, 3953, 2477, 3099, 3327, 3450, 3651, 3218, 3219, 3453, 3568, 3569, 1585, 3037, 3221, 3336, 3223, 1784, 3575, 3226, 3458, 3040, 3227, 3891, 2741, 2888, 3577, 3461, 2960, 3977, 3707, 1256, 1592]. **generator** [2309, 2961, 1884, 3499, 3602, 3999, 2002, 1215, 459, 461, 3216, 3331]. **Generatoren** [1050, 1052]. **Generators** [1394, 2560, 2310, 2817, 293, 3978, 2122, 2225, 2964, 3347, 1479, 3659, 3827, 3234, 3111, 2659, 2314, 3113, 2746, 2968, 578, 2132, 3351, 4005, 3478, 1598, 2233, 3589, 2136, 900, 3864, 3940, 1408, 3358, 3716, 2826, 2971, 3119, 2140, 903, 904, 3120, 1206, 2415, 906, 3365, 2417, 1209, 1270, 1328, 3129, 2900, 403, 2575, 1698, 3251, 1496, 1910, 1333, 1701, 1911, 2242, 3132, 3134, 3600, 3601, 3870, 2670, 720, 3604, 1336, 2031, 2151, 2152, 1418, 1337, 1612, 3138, 2041, 3503, 3941, 2676, 2982, 3607, 763, 820, 995, 1028, 1110, 1509, 1222, 722, 1113, 1812, 1513, 2986, 304, 768]. **Generators** [769, 1815, 2760, 2761, 2910, 3608, 3673, 3983, 3676, 2047, 2050, 2165, 3061, 3145, 3874, 3062, 2266, 2592, 2056, 2915, 862, 3385, 3967, 279, 327, 3928, 3929, 2695, 2354, 2177, 3684, 2597, 558, 2598, 1538, 1236, 1369, 1370, 1733, 2183, 2283, 2359, 2365, 2443, 2444, 2445, 2516, 2517, 2518, 2605, 2701, 2702, 3004, 3071, 3073, 3287, 3530, 3736, 3931, 4006, 3804, 1732, 3291, 3171, 2703, 2929, 2930, 3174, 3625, 3397, 2366, 4001, 1633, 2454, 3689, 358, 3811, 3812, 1178, 1180, 1845, 1847, 2781, 2711, 3180, 1640, 2715, 3693, 1461, 1549, 1551, 1748, 1292, 2196, 2618, 2789, 1854, 2625]. **Generators** [2722, 3637, 736, 871, 610, 654, 794, 795, 3636, 1859, 3775, 3416, 1384, 3085, 1976, 1082, 1766, 3779, 3818, 419, 1467, 2800, 3426, 3427, 3428, 3429, 2098, 3196, 802, 2633, 3430, 3198, 1657, 3431, 2099, 3312, 4003, 1090, 2463, 2635, 3029, 2214, 569, 2471, 2473, 535, 2643, 2644, 2394, 2881, 1392, 1577, 1777, 2000, 1137, 3447, 572, 2812, 3100, 1664, 1665, 2220, 1877, 2815, 3822, 805, 1311, 2116, 2482, 2654, 427, 1669, 428, 494, 3706, 848, 1673, 2407, 1050, 1144, 1198, 1313, 1315, 1477, 3657, 2656, 1885, 2484, 3107, 3108, 3825, 1259, 1400, 1319, 3751, 498]. **generators** [3658, 2125, 3583, 2127, 1678, 3110, 1680, 2313, 3474, 3661, 3792, 2316, 3584, 3664, 1052, 3042, 3585, 3714, 3350, 3235, 2567, 2014, 3793, 3115, 1684, 1147, 1053, 1406, 2896, 3865, 1054, 2897, 1203, 2016, 1688, 2662, 2748, 2972, 3046, 2413, 905, 1491, 1691, 2898, 1205, 718, 3124, 3718, 1902, 3127, 3899, 3668, 3495, 1903, 2145, 2237, 546, 2238, 1907, 2024, 2146, 2239, 1023, 1908, 3250, 2327, 1332, 1497, 1498, 3252, 1415, 1494, 1495, 3498, 1604, 1702, 2751, 2902, 3133, 3253, 3835, 1334, 1416, 633, 2903, 3255, 3256, 1608, 406, 1417, 2754, 2245, 2246, 2496, 1501, 3259, 1419, 1420]. **generators** [1504, 1710, 1339, 2905, 1922, 1923, 2040, 2158, 2255, 2334, 2335, 2424, 2576, 2577, 1717, 1158, 1810, 856, 951, 952, 1219, 1220, 1341, 1811, 2043, 3838, 439, 1030, 275, 2339, 859, 997, 2909, 3059, 3839, 1348, 3726, 2911, 3512, 2762, 1721, 1816, 770, 476, 1227, 1282, 1350, 2586, 2685, 2764, 2765, 3143, 3675, 3382, 1519, 3383, 1430, 1818, 1819, 1928, 685, 3966, 3517, 3518, 1929, 2053, 2267, 2268, 2347, 2591, 3841, 1431, 2270, 3679, 775, 3942, 864, 3384, 3279, 1432, 1940, 3522, 1169, 3682, 1724, 2507, 2508, 2995, 1525, 356, 383, 2171, 2918]. **generators** [1830, 2174, 2273, 2274, 2352, 2353, 3525, 1002, 3158, 1442, 2845,

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pseudo-random [3281, 3388, 2275, 3158, 3283, 1003, 1628, 2921, 248, 1007, 1174, 2442, 2928, 2613, 1841, 3395, 3398, 3294, 3178, 3692, 3739, 2373, 284, 455, 793, 3773, 3013, 1750, 3405, 2289, 695, 797, 798, 799, 1184, 418, 2294, 491, 258, 3419, 662, 800, 663, 3852, 3644, 3024, 878, 3784, 3552, 3553, 2637, 3972, 1193, 345, 570, 3974, 3316, 2217, 2393, 2552, 2731, 165, 193, 3214, 2478, 1094, 3221, 2957, 3038, 1475, 3574, 3654, 3226, 3458, 3577, 3463, 3464, 628, 362].
Pseudo-random-number [3168, 2866, 2299]. **Pseudo-Randomness** [2589, 3144, 2773, 446, 1687, 3536, 1553, 3194]. **pseudo-uniform** [1023].
Pseudo-Zufallszafflen [1050]. **Pseudo-Zufallszahlen** [438, 471, 639].
pseudoentropy [3651]. **pseudoinverses** [1030]. **pseudonoise** [2917].
Pseudorandom [2408, 2816, 2484, 2817, 2964, 3347, 1889, 3583, 3659, 3827, 849, 2228, 3475, 2314, 3351, 2015, 2134, 3353, 3754, 3483, 3864, 3940, 2897, 3592, 3593, 3358, 3716, 903, 904, 818, 2018, 3125, 1267, 2020, 1151, 1209, 1328, 2575, 2901, 3900, 548, 2668, 2670, 2495, 2150, 3604, 1708, 1216, 1610, 1611, 1612, 1615, 1711, 1914, 2033, 2036, 2039, 2153, 2247, 2251, 2978, 3138, 2157, 2332, 2041, 2254, 2336, 2982, 763, 2677, 1062, 821, 2429, 860, 2681, 1346, 1426, 1514, 3511, 1516, 1815, 2760, 442, 3512, 3608, 3673, 2435, 2836].

Pseudorandom
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Pseudorandom
[2724, 3641, 1131, 1980, 419, 1467, 2097, 1387, 2633, 3430, 1657, 3199, 881, 882, 1092, 883, 1991, 2466, 709, 3033, 2475, 2643, 2394, 1306, 1392, 1577, 1663, 1877, 2113, 3102, 3220, 2116, 2482, 2654, 1141, 494, 2958, 1881, 3228, 3823, 3788, 1673, 907, 2743, 1050, 1395, 2656, 1885, 1593, 3893, 1259, 1400, 1481, 2011, 498, 2312, 2127, 2889, 1482, 1401, 1680, 3661, 3792, 2967, 3476, 3584, 3662, 3714, 987, 2014, 1599, 2896, 3897, 1054, 1055, 1691, 3490, 401, 1793, 3796, 3958, 2665, 3668, 759, 2829, 1908, 469, 2025, 2327, 1699, 1700, 470, 3959, 471, 3255, 472, 1105, 3603].
pseudorandom [3981, 2246, 2496, 908, 1419, 1503, 1613, 1614, 1616, 1617, 1709, 1710, 1712, 1713, 1714, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 2034, 2035, 2037, 2038, 2154, 2155, 2156, 2248, 2250, 2252, 2328, 2329, 2330, 1338, 1340, 2253, 2333, 2672, 1923, 2040, 2158, 2255, 2334, 587, 588, 322, 3724, 1811, 2498, 1279, 1224, 1280, 1344, 2338, 2339, 859, 3839, 1348, 3726, 2911, 555, 379, 2835]. **pseudorandom**
[771, 185, 639, 3906, 2764, 2502, 2765, 3143, 3675, 3759, 3383, 3966, 3517, 3518, 2051, 2053, 2265, 2267, 2268, 2345, 478, 2591, 2270, 864, 1432, 1940, 382, 2508, 2995, 414, 824, 1525, 1941, 2170, 356, 2171, 1286, 2918, 1830, 1361, 2175, 2176, 2513, 1442, 3910, 1235, 3164, 1445, 2441, 3985, 598, 599, 1365, 2923, 2063, 3289, 2284, 1177, 1290, 2609, 1542, 483, 868, 3533, 3176, 3738, 3808, 3913, 3933, 3177, 1372, 1454, 1740, 2068, 1848, 1967, 1968, 2449, 2528, 2529, 2372, 2374, 2784, 3010, 3076, 1850, 3813, 2786, 3078, 3934, 4002, 1550, 3634, 3300, 1010, 3815, 2197]. **pseudorandom**
[655, 875, 1039, 1128, 1244, 1245, 1297, 1378, 1379, 1381, 1462, 1556, 1558, 1754, 1755, 1857, 1971, 2083, 2534, 2535, 2536, 2621, 2622, 2623, 2721, 2939, 3189, 1758, 3411, 3412, 3414, 616, 3697, 3850, 3776, 1651, 525, 2091, 836, 968, 458, 1981, 1132, 1654, 1469, 1087, 1565, 1042, 877, 3991, 3646, 2544, 3089, 705, 2389, 3434, 2211, 2947, 1391, 3437, 3555, 3992, 2948, 624, 983, 3748, 3952, 3973, 3936, 1775, 1307, 1999, 2955, 1779, 2649, 936, 3651, 3217, 3218, 3453, 2112, 493, 3937, 710, 2221, 1587, 2117, 2118]. **pseudorandom**
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pseudorandom-number [2656]. **Pseudorandomness**
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Pseudozufallszahlenfolgen [622]. **psevdosluchainykh** [351]. **PSI** [1425].
PSO [3998]. **PUB** [1861]. **Public**

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Q.R.N.G. [3471]. **QRNG** [4004]. **Qs** [3611]. **Quadratic** [2033, 2037, 2252, 658, 2088, 1650, 842, 1204, 1614, 1714, 1917, 2034, 2330, 1277, 2253, 1066, 1123, 971]. **Quadrature** [915, 786, 732, 1038, 396, 2503]. **Quality** [2135, 3495, 1825, 3929, 2691, 3763, 2071, 1090, 3097, 3213, 2958, 3825, 3235, 3352, 1908, 2577, 1937, 1941, 2170, 3165, 3285, 1960, 3539, 1967, 607, 2464, 2465, 2476, 2553, 2959, 2961]. **quanta** [1214]. **Quantendynamik** [11]. **Quantifiers** [3252]. **Quantis** [3650]. **Quantitative** [3113, 739, 4191, 3739]. **quantity** [227]. **Quantum** [3465, 3466, 3579, 2819, 3470, 3489, 3121, 3723, 3376, 3841, 3928, 1623, 3157, 3390, 3620, 3689, 3627, 3814, 3989, 1984, 3549, 3745, 530, 2640, 3092, 3560, 3100, 3336, 3955, 3999, 3344, 3580, 3360, 3669, 377, 3137, 3671, 3839, 3384, 3386, 2510, 3524, 3156, 11, 3632, 3695, 3406, 3423, 3991, 3436, 2805, 2550, 3317, 3563, 3323, 3953, 3327, 3652, 3569, 3037, 3334]. **Quantum-Mechanical** [530]. **Quantum-Safe** [3989]. **Quantumlike** [704]. **quark** [4120]. **'quasi** [2578, 902, 583, 3373, 2424, 116, 3998, 4180, 4187, 2779, 2080, 873, 1756, 4130, 4169, 1466, 2205, 1247, 1572, 1870, 1575, 3747, 1993, 2395, 315, 2885, 1310, 464, 1597, 2232, 901, 4192, 3871, 4154, 1351, 221, 222, 324, 1820, 2344, 4126, 2503, 2271, 2272, 2600, 2700, 3392, 2607, 1550, 3881, 4110, 4137, 4159, 2869, 3701, 1660, 1990, 1671, 495, 1256, 2850, 3166, 99]. **Quasi-** [1466]. **Quasi-Convergent** [315]. **Quasi-Monte** [4180, 4187, 4130, 4169, 1870, 3373, 2424, 2080, 873, 1756, 2205, 1575, 3747, 2395, 2885, 464, 4192, 4154, 4110, 4137, 4159, 901, 1820, 2503, 2700, 3392, 2607, 3881, 2869, 495, 2850, 3166]. **Quasi-Monte-Carlo** [99]. **Quasi-Random** [902, 3998, 1247, 1993, 1310, 583, 116, 1572, 1597, 2232, 3871, 1351, 221, 222, 324, 2344, 4126, 2272, 2600, 1550, 3701, 1660, 1990, 1671, 1256]. **quasi-white** [2271]. **quasicrystals** [2685]. **Quasigroup** [3077]. **Quasigroups** [3511]. **Quasirandom** [2561, 1324, 2140, 3491, 1222, 2200, 2872, 1773, 3244, 2772, 1371, 1857, 1860, 1871, 2104, 574]. **Quaternion** [3451]. **quatrième** [4013]. **Quebec** [4100, 4152]. **Query** [449]. **Quest** [1347, 3472]. **questions** [85]. **Queue** [988, 1955, 1956, 1020, 2757, 963, 3330]. **Queueing** [1402, 1241]. **Queuing** [1484, 620, 802]. **Quick** [2031]. **QuickCheck** [3879]. **Quickly** [1926]. **Quicksort** [2494]. **Quinary** [925]. **Quincunx** [3421]. **Quintessential** [3421]. **quintic** [3057]. **quotient** [1239]. **quotients** [3603, 1242]. **QX** [3999].

R [2137, 3939, 3719, 3170, 3292]. **R16** [806]. **R18** [769]. **R24** [862]. **R52** [1108]. **R53** [1109]. **R57** [1167]. **R58** [1181]. **Rabin** [1318]. **Racah** [424].

Rackoff [1850]. **Radial** [348]. **Radiation** [338, 11]. **Radical** [324]. **Radical-inverse** [324]. **radio** [497, 481]. **radioactive** [2886]. **Radisson** [4054]. **Radix** [2171]. **Radix-** [2171]. **RAGE** [3086]. **RAGuard** [3922]. **rake** [3276]. **Raleigh** [4090]. **Ralley** [1079]. **Ramage** [2882]. **Raman** [3489, 3723]. **RAMs** [3272]. **Ramsey** [2397]. **RAN1** [2229, 2312]. **Rand** [1299, 71, 89, 3222, 1364]. **RandNLA** [3799]. **Random** [3465, 3466, 3579, 1394, 3345, 1257, 1316, 496, 811, 1145, 1398, 2310, 1146, 3467, 577, 398, 293, 3978, 2122, 2225, 3709, 1479, 1677, 1200, 103, 108, 109, 110, 111, 123, 124, 125, 126, 891, 2485, 2819, 3470, 3710, 3711, 3659, 3894, 3939, 541, 752, 753, 814, 893, 894, 895, 896, 942, 3110, 3791, 1320, 3828, 2564, 2659, 12, 3112, 2128, 2315, 3113, 2746, 2892, 2566, 2968, 3829, 3830, 295, 267, 349, 2132, 3351, 3352, 4005, 3478, 2821, 3043, 3479, 3586, 754, 1322, 3480, 400, 499, 580, 1486, 434, 2231, 2409, 180, 816, 945, 1598, 1684]. **Random** [2135, 2233, 2319, 2411, 2136, 1487, 1147, 900, 1405, 543, 3756, 2320, 3715, 1022, 1096, 1202, 3485, 181, 237, 3357, 1408, 3487, 2321, 2661, 2322, 2748, 2826, 2971, 3119, 902, 319, 1410, 1099, 2827, 3488, 2141, 2142, 1791, 3120, 1491, 3489, 239, 240, 501, 1411, 1895, 2898, 1693, 1694, 2236, 1492, 851, 183, 3594, 757, 402, 758, 3492, 1206, 584, 3362, 3979, 2415, 2570, 3126, 3243, 3364, 3595, 3957, 3996, 2324, 3365, 3494, 3366, 3596, 376, 2571, 3597, 320, 2022, 2416, 1269, 1208, 1601, 2237, 2325, 2417, 3598, 3247, 1270, 3129, 1904, 241, 216, 403, 468, 3050, 547, 2750]. **Random** [1272, 1330, 2240, 2241, 1698, 2026, 947, 1496, 1910, 1210, 1494, 2028, 1333, 1701, 1911, 2493, 3134, 3600, 3870, 3367, 1102, 1211, 1212, 1416, 1606, 1607, 1705, 1798, 2147, 2244, 2752, 2975, 3254, 3720, 3997, 1273, 2753, 550, 634, 30, 2148, 271, 2149, 2903, 3960, 3053, 3054, 3055, 3135, 3258, 3502, 720, 1060, 1153, 1335, 2030, 2671, 1609, 2419, 1336, 2031, 2151, 2152, 1501, 1215, 1418, 1337, 1708, 2420, 2331, 3723, 2421, 2422, 2756, 3503, 3505, 3963, 3140, 1506, 2337, 2979, 3941, 1156, 1107, 1108, 1109, 2675, 2980, 3141, 2981, 2676, 298, 3607, 1028, 1110, 1509]. **Random** [1422, 378, 3507, 2583, 439, 3904, 300, 350, 722, 553, 1113, 857, 1511, 505, 1424, 1512, 3375, 3376, 49, 1924, 1114, 275, 1812, 2680, 594, 323, 408, 861, 2908, 1513, 2341, 2758, 3267, 303, 823, 1345, 2986, 3982, 3510, 766, 1720, 768, 769, 1162, 1226, 1517, 3377, 2761, 637, 682, 3905, 3926, 3964, 2262, 200, 243, 244, 144, 683, 444, 3513, 3674, 1115, 1429, 3142, 3379, 3380, 3271, 640, 412, 507, 2342, 2588, 2989, 1283, 3273, 65, 66, 74, 325, 353, 354, 3677, 556, 684, 2990, 380, 3061, 3145, 3761, 1354, 3519, 595, 911, 774, 2266, 4126]. **Random** [2269, 1723, 2590, 1431, 2056, 245, 1822, 1933, 1934, 3762, 3679, 862, 3942, 2350, 3278, 3147, 2994, 3384, 1824, 1825, 1938, 2842, 3615, 3385, 3149, 3731, 3967, 279, 327, 3928, 596, 202, 1069, 2771, 154, 1524, 1622, 1357, 355, 3929, 2691, 329, 330, 383, 2692, 2693, 2843, 3763, 155, 2172, 2694, 2438, 118, 2512, 1072, 1359, 3617, 3618, 515, 3998, 1530, 1625, 2352, 1948, 3159, 3732, 1073, 2919, 1441, 1531, 865, 1532, 1626, 2177, 2920, 1833, 3684, 3161, 2597, 776, 825, 867, 1535, 729, 917, 1362, 1727, 3526, 2439, 225, 516, 644, 1729, 1447, 1536, 3734, 2276, 1537, 558]. **Random** [645, 1005, 1120, 480, 1236, 1288, 1540, 1631, 1733, 2183, 2283, 2359, 2361, 2362, 2363, 2365, 2444, 2445, 2516, 2602, 2603, 2604, 2605, 2701,

2702, 2849, 2850, 3002, 3004, 3071, 3073, 3166, 3287, 3529, 3530, 3621, 3736, 3764, 3931, 3946, 3620, 827, 1008, 3735, 3804, 3286, 1837, 1074, 1732, 646, 919, 1839, 3167, 3290, 2065, 1175, 3169, 3911, 3171, 1735, 1736, 2703, 3293, 2612, 3173, 3174, 3625, 2931, 3876, 3737, 249, 2615, 3688, 2777, 384, 4001, 691, 2367, 2454, 3689, 2779, 309, 358, 1544, 1373, 2067, 3810, 2368, 3626, 3627, 2188, 3541, 97, 254, 280, 281, 282, 312, 337]. **Random**
[340, 449, 450, 522, 559, 692, 693, 788, 789, 966, 1075, 1076, 1178, 1180, 1456, 1637, 1844, 1845, 1846, 1847, 2069, 2070, 2448, 2525, 2781, 2858, 386, 604, 3630, 2190, 3180, 2192, 1640, 2712, 2715, 1641, 1458, 1181, 1461, 1038, 1549, 2076, 791, 2194, 389, 2077, 831, 1851, 560, 1127, 1292, 3544, 3740, 2078, 1182, 1293, 1376, 3080, 2377, 131, 416, 187, 456, 1079, 3185, 524, 390, 3298, 2789, 2538, 2625, 2722, 3637, 3816, 3081, 608, 736, 871, 2456, 417, 2290, 3407, 3408, 654, 2619, 2620, 1855, 2082, 3188, 613, 873, 1756, 1859, 3848]. **Random**
[1759, 2292, 967, 2202, 3303, 343, 1561, 658, 1648, 3192, 206, 697, 3989, 925, 2539, 2870, 3416, 1384, 3417, 3640, 2382, 2089, 835, 1, 3947, 1186, 1464, 1762, 3086, 1976, 1081, 1652, 2458, 969, 2204, 3307, 2797, 1978, 2094, 1187, 361, 391, 457, 1979, 1082, 740, 365, 526, 1466, 1766, 3949, 3916, 3423, 3548, 3642, 148, 392, 2631, 700, 527, 3779, 3818, 619, 702, 1984, 2872, 528, 838, 3309, 1767, 55, 57, 2800, 262, 1986, 1043, 3426, 3427, 3428, 3429, 1088, 368, 2098, 229, 3196, 1567, 930, 1012, 802, 1568, 2633, 3430, 3198, 3950, 1865, 2462, 3699].
Random [3431, 3432, 3647, 2945, 2099, 3884, 3745, 1247, 3311, 3312, 1569, 706, 1090, 1191, 529, 369, 287, 2463, 2635, 978, 979, 1014, 1044, 1091, 530, 2877, 3201, 744, 623, 932, 3029, 207, 420, 421, 1573, 1192, 371, 745, 2390, 1574, 2103, 3438, 3031, 982, 2214, 533, 569, 2949, 461, 1871, 2468, 626, 423, 2471, 2473, 627, 885, 1250, 1993, 149, 394, 395, 534, 3315, 3439, 886, 1304, 208, 346, 535, 3206, 425, 2303, 536, 3093, 2551, 3562, 628, 3094, 3854, 3885, 2644, 844, 887, 888, 984, 2304, 2305, 2393, 2646, 3207, 3208, 2881, 136, 373]. **Random**
[3320, 2954, 1471, 1472, 2000, 3210, 3321, 1137, 3097, 3211, 3447, 3785, 1579, 9, 107, 210, 3213, 3449, 168, 3324, 3325, 2883, 572, 666, 1046, 1581, 2397, 2812, 315, 3100, 1664, 3326, 3215, 3216, 1665, 2219, 2220, 3328, 1047, 3451, 1093, 426, 2113, 2815, 1140, 1195, 1310, 3567, 537, 538, 1584, 2554, 1196, 3331, 1667, 847, 712, 805, 1668, 938, 2222, 3333, 1311, 2480, 3335, 3573, 427, 428, 889, 1048, 1142, 1312, 1783, 3455, 3224, 749, 808, 70, 3225, 3337, 2405, 1253, 1785, 1590, 2307, 266, 940, 2655, 429, 3706, 3338, 3457, 3576, 3655, 3339, 1476, 1672].
Random
[3230, 3459, 848, 3342, 1255, 3955, 3343, 2557, 2407, 3797, 405, 3369, 937, 3344, 3708, 3892, 2558, 430, 1144, 1198, 1313, 1314, 1315, 1477, 3657, 2559, 2560, 3790, 630, 631, 1397, 316, 1399, 812, 714, 3346, 3994, 1258, 3859, 3107, 3108, 1886, 1478, 1319, 1675, 3109, 813, 3468, 3469, 1594, 1676, 3751, 751, 1260, 1786, 2123, 497, 3658, 2012, 2125, 3861, 3583, 1678, 1483, 897, 1019, 1679, 3233, 3234, 432, 433, 3924, 2313, 898, 3111, 3474, 1890, 1681, 2229, 1321, 2890, 2316, 3712, 3753, 3995, 3925, 3477, 3663, 3664, 3713, 1261, 1891, 2130, 1051, 1052, 3042].
random
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$f(x) = 4 \cdot (1-x)$ one obtains a sequence of numbers on $(0, 1)$ with a computable algebraic distribution. By playing suitable games with numbers 'drawn' in this fashion, one can obtain various other distributions, either given explicitly or satisfying given differential or integral equations.".

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