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3 [ASR+17, GPY+17, KDS+06, MAS+06]. < [Zho16]. > [Zho16]. ^{TM} [FPG89]. ≈ [KLK17]. δ [ZLX01b]. μ [Dru92, HHLS97, LBB+91].

***** [TYKZ07]. ***/** [TYKZ07]. ***icomment** [TYKZ07].

-core [ZLX01b]. **-fully** [FPG89]. **-kernel** [Dru92, LBB+91]. **-kernel-based** [HHLS97].

/*icomment [TYKZ07]. **/evolution** [Pat02a].

0 [Woo85]. **0-932376-52-5.** [Woo85].

1 [SF80, SDV+87]. **10** [BBMT72, SHSB75]. **11** [MA79, PK75, Ros78, ZDP83]. **11/45** [HB80]. **13th** [Laz92a, Laz92b]. **'16**

[Tsa16]. **17th** [LE00]. **1981** [Wai83a]. **1982** [Had83, OSV82, Sta83, Wai83b]. **1983** [Fêa83, Had84, Had85, OST83]. **1984**} [San86]. **1986** [OSV86]. **1988** [Lev88]. **1994** [Sat95]. **1st** [BY08, CM13].

2 [Als72, WCW+04]. **2.0** [KL07]. **2000** [Pas92]. **2007** [Isa08]. **2009** [Bel10]. **2012** [MvR13]. **2013** [SG14, VZ14]. **2015** [DK15]. **21364** [MSB+02]. **2L** [SDH+97].

3 [HBG+06]. **370** [San81]. **3G** [JHC+11]. **3rd** [PP09, Sub11, WTC09].

4 [PCD91]. **4.0** [Vog99, Vog00]. **432** [PKW81]. **4381** [GPR87]. **45** [HB80]. **4th** [BCC+94].

5. [Woo85]. **5th** [BR10, LS09, OFB16, RAVC12].

60 [BB75]. **6000** [HO91]. **64** [ZRMH00]. **64-bit** [CBHLL92, THK95]. **6th** [BM17].

736 [AD07]. **7th** [Gue87].

80 [BSUH87]. **802.11n** [AHB15]. **8800** [Cla87]. **8th** [CJRV15].

9 [Gan08, PPT+93]. **9th** [CvR14].

AAMP [Bec90]. **Abadi** [Nes90]. **Abraham** [Bla95]. **Abstract** [BAD+11, Fab73, HKU79, Bor98, CV93, CW92, CG85, CMMS77, CSS+91, ECS73, FR85, Her87, Hol82, KLS85, LLS91, LGJS91, Mcd77, RK77, Ten96, Van96]. **Abstraction** [Bal24, DDK+16, LSAS77, SWL77, Bak95, CF89, FH85, Mad81a, Mad81b, RCL01]. **abstractions** [KYB+07, WFHJ07]. **abstracts** [Laz92b]. **Accelerating** [BSSM08, CFR98, KXWB17]. **Acceleration** [FZY+23, GPY+17, NS16]. **Accelerator** [OHW17, TPO06, YZG+11]. **Accelerators** [CYMT16, CYG+17]. **accent** [FR85, RR81]. **Access** [Wol02, BHLM94, BSL08, BD91, EM06, GS90, Gór78, Gsc94, JdLT+95, KS09, KKC02, LTQZ06, LPH+07, MC91, MS91b, MES95, Nee79, PSC+07, SHV01, SFL+94, WS06, WS92]. **access/execute** [BD91]. **accessibility** [Lie94a]. **accessing** [ACM02, OB10, ZXMJ04]. **accountability** [Gup05, HKD07, HBP06]. **accountable** [Hae10]. **Accounting** [LSV+19]. **Accuracy** [CKN+19, VYW+02, YS94]. **Accurate** [CPT08, LB06, LZH+22, PRD10, VGX17, EEKS06, GAT13]. **Achieving** [KMK16, Les04, KGGK09, WTKW08]. **ACM** [Bac99, BK08, Bre08, DNT10, Laz92a, Laz92b, Sub11, Tan97, WTC09, Bab91, MM92, MM93]. **ACM/ONR** [MM92, MM93]. **Acquiring** [SETB08]. **acquisition** [LK08]. **Acrobat** [Wai97a]. **Acrobat/PDF** [Wai97a]. **across** [ATMZ01, GS95]. **Action** [CJM15]. **actions**

[AM85, BRR+00, Küh98, Lom77, Nat80, OLS85, RZ97, VA96]. **activation** [CHCmWH00]. **activations** [ABLL91]. **Active** [AUS98, GJXJ03a, Ten96, Wet99, Wet00, ACD+14, EENV02, GUB+08, LW01, SADAD02, TNA12]. **ActivePointers** [SBS18]. **Activities** [ZFP+21, JRR97]. **activity** [Ens75, GNB+09, MB08]. **Ad** [EM06, BBD+02, BBBAN04, MFHH02, ÖGA06]. **ad-hoc** [MFHH02]. **Ada** [Hil92, Taf82]. **Adaptable** [Lux95, LLK96, MM81]. **adaptation** [BAMM77, FS99, FS00, NSN+97, SNKP95, TS06, dLWZ00a, dLWZ00b, MCdL06]. **adaptations** [SHA02]. **adapter** [VFH98]. **Adapting** [FGBA96, WCS08]. **Adaptive** [LMV12, Led97, MRH+16, PSZ+07, RF17, SKI08, WQA+24, dSFdAM13, CPM10, CALM97, ESB+06, HC04, KBK02, LP01, MR07, MRC+97, MPC08, PG96, PLH98, RA06, WAB+89, XXMC05, YRC05]. **adaptivity** [LB08]. **Adding** [AR07, Nee79]. **additive** [LC04b]. **Address** [CBHLL92, CB17, EMZ+16, Lie95b, SBS18, ACM02, BMvdV93, CIL93, CBD+98, Est02, Goo87, KSS+96, Lie94b, LNBZ08, MS00, Ros94, SS95, THK95, ZZP04]. **address-based** [KSS+96]. **addressed** [IKWS92, Lie95c]. **addressing** [CKD94, CCH+87, MB80]. **administration** [Del80, GDRT13]. **administrative** [HK00]. **admission** [NXQ05]. **advanced** [ST01, Cri91]. **Advances** [AC23]. **advantages** [WSH94]. **adversaries** [CMSK07]. **advertised** [PSB06]. **affects** [RR72]. **affinity** [VZ91]. **AFS** [SS97]. **after** [KBB+06]. **Against** [AYQ+16, BS15, BK12, Mit00, PB08, TNL+07]. **age** [LC04b]. **agent** [CWL05, GXJJ03, KXD00, LCKFA24, SH00]. **agents** [Jon93, KG99]. **aggregate** [Ste97, VFMM08, WK05]. **aggregates** [Str12]. **AGgregation** [MFHH02]. **aggressive** [SKKM02]. **Agile** [NSN+97]. **agreement** [Che04, LKKY03a, LKKY03b, WYC03b, WY04, YWC04, YS02, MSF85]. **Ahead** [KKB+16, CR12, DRTT24, MA10, SJSM96]. **AI** [BH21, JXQ+22, LCKFA24]. **aid** [AEG+91]. **aided** [HLL+02]. **Aims** [Ano75]. **air** [EKF+14, Wal73]. **AjaxScope** [KL07]. **Akamai** [Bel10, NSS10, NSW10, RCSW10]. **alchemy** [Pra86]. **algebraic** [GHM77]. **Algol** [BB75]. **Algol-60** [BB75]. **Algorithm** [DDM+18, BMD94, BL00, CH81, Cha96, CCB+06, Fog74, Fon72, Gre72, Gup01, Hof90, KSS73, LS75, Lei89, LB81, MPC08, Mil92, Nai93, RH97, Riz97, Sad75, SJGY94, SD86, WJ98, Woo90, XHJB99]. **Algorithm/Architecture** [DDM+18]. **algorithmic** [DH10]. **Algorithms** [SHW+15, AUS98, BBBAN04, BM90, CPM10, DGH+88, DMD13, ELG95, FFM07, GLL04, Kai75, KY02, KTP+96, LRW91, LA94, MSB+02, Ray91, RL96, SS94]. **Alibaba** [Che17]. **alignment** [CG94]. **alike** [Hol82]. **all-software** [JKW95]. **allergies** [QTSZ05]. **allocating** [WC02]. **Allocation** [KXWB17, WM16, BL00, BEH91, CFL73, ELG95, LFZE00, Mah98, SSS01, Ste83, UHMB94]. **allocator** [BMBW00]. **allocators** [ROLV06]. **Alpha** [MSB+02]. **Alphard** [SWL77]. **AlphaServer** [GSSV00]. **alternative** [BMW02b, GLG93, MSC+06, SPF+07]. **alternatives** [BVR+00, HM93]. **Amazon** [DHJ+07]. **Amber** [CAL+89]. **Amdahl** [SBH+10].

Amdahl-balanced [SBH+10]. **AMNESIAC** [AK17]. **Amnesic** [AK17]. **Amoeba** [TM81, ZSK97]. **among** [Bre83, HZ09, SJ95]. **AMPI** [ZHK06]. **Amsterdam** [Lit87]. **Analyses** [WHZ+17]. **Analysis** [ASR+17, BS15, CCM96, CKN+19, Duc89, FXZ+17, KL98, Küh99, LS75, LML00, MCN+17, NHH+17, Nut94a, Pot77, PBM22, RL96, Rob96, dSM16, WP91, BBFH07, BBC+06, Bod11, BBM09, BMER14, CHV04, CKDK91, DS06, DH10, DBH+06, DKC+02, GMM98, GFPcF08, Had85, HGB+80, LST+06, LFWL10, MT96, NXQ05, OST83, ODH+85, REL00, Sad75, SK96, SGD+02, Sny77, SS98, SAF07, TLD+11, TP72, TACT08, WGL+08, WAC+81, ZWWL01, ZL04b]. **Analytics** [Che17, HDGP21, RD12]. **analyzers** [RR04]. **Analyzing** [FD10, NS16, ENCH96, ME08]. **Andrew** [dV96]. **Ann** [Wai83a]. **Annotated** [YM93, FHL95, Gan92, New79, WKT+13, ZK88]. **annotation** [QPP02]. **annotations** [Wei98]. **Annual** [BY08]. **Anomaly** [HT15, CG06, MZI08, MC91]. **anti** [CXMX05, RSW08]. **anti-phishing** [RSW08]. **anti-spam** [CXMX05]. **antichains** [CL01]. **Anticipatory** [ID01]. **Antiquity** [WECK07]. **ANVIL** [AYQ+16]. **any** [CSBA17b, Den74b]. **AOP** [MFGSP12]. **AP1000** [HDH+94]. **aperiodic** [LLK96]. **apparently** [Rou84]. **append** [CMSK07]. **append-only** [CMSK07]. **Appends** [DRTT24]. **Appliances** [RHMR15, BSM+12]. **Application** [AW17, ALM+18, BMP+04, CDY+17, HC92, JSDG08, KEG+97, SNKP95, Sha95, SRS22, TZZ+18, ATSV06, BvS00, Bec90, BRR+00, BCE+95, Bod11, CLM+07, CB95, DZ95, EKO95a, GS78, HL92, KLS+10, LLS+08, MPHD06, NSN+97, PCH+14, Pra87, SFW99, USR02, YWC04, ZJS+11]. **Application-aware** [SNKP95, NSN+97]. **Application-Controlled** [HC92]. **Application-level** [BMP+04, JSDG08, EKO95a, PCH+14, ZJS+11]. **Application-specific** [CDY+17, BCE+95]. **Application-Transparent** [ALM+18, AW17]. **Applications** [BHD19, DJS+17, FZY+23, Had93, HJrCH16, MAHK16, NTC+21, Sub11, UJE+22, Val94, Wai83b, ACT94, BDMS98, BFSG94, BMBW00, Bla85, BGS04, CCZ07a, Cos13, FURM00, FS99, FS00, GAK+02, GS89, Hop90, JBDP08, KSP09, KS85, KL07, LCJV+11, LHPL87, LGN07, LP01, MT02, MCM07, MDK96, NL95, NL97, NXQ05, NSS10, dOL12, RA06, RBLP07, Sat95, SPHH06, SAG06, SSR+10a, Sta83, Tai13, Tri82, Tri02, VE08, WBB02, WYA+07, YS98, ZWZ01, Tan97]. **applicative** [FW77]. **applying** [BDDMR11, MT02]. **Approach** [DDOL16, HS16, VJ19, XD17, Bac81, Bec90, Bos06, CGL+08, Che85, CXMX05, CGS96a, Edi13, ECH+01, FS95, GHP+08, JT90, JW01, Kah72, Lor86, MSA+00, Moo92, MPC+02, NB91, NBW87, OCLN14, OMCB07, PSC+07, RB93, Rei85, Rob08, Rou84, SGT96, SW00, Svo81a, TPH12, TNA12, War76, WDH89, Wei98, Won93, ZLX99, ZL04a, Zim94, dJKH93]. **approaches** [KXD00, NRS13, ÖGA06, SH87]. **appropriate** [AYK08]. **Approximate** [GSCM16, JSCM17, PAM+16, SLFP16]. **Approximations** [VGX17]. **APSys'15** [HKPvR16]. **Apt** [RWS+15]. **arbitrary** [GMM98]. **Arbitration** [SKJ+17, MSB+02]. **Arbor** [Wai83a]. **ARC** [Wis05]. **Archipelago** [LNBZ08]. **Architectural**

[BF87, BMA00, CB95, DLLN18, KKK+17, TML+00, DBMZ08, HO91, HDH+94, ÏMC+06, KSS+96, RBH+95, Rou84, TNNI87]. **Architecture** [ACAAT16, CJM15, DDM+18, FXZ+17, GSSV00, KK84, LJdL+16, MCN+17, MRH+16, PC75, ALBL91, Ant90, AB75b, BJ81, BMTW91, BKN05, BC91a, BSF+91, BMR+09, BJM+96, CM87, CNO+87, CLDA07, DS09, DB96, EKF+14, EKO95a, Est02, EEKS06, Fle81, GNA+98, GBBL85, GB93, Har85, HFWZ87, Her78, HSW+00, Jon80, Kie87, KBC+00, LLA+81, LCTK01, LE96, LWMX05, MPPZ87, MSP+06, MP81, Mil77, OPSS93, PJDL06, PK75, REL00, RBLP07, Ros06, San81, SLN00, SLN99, SS72, SV06, SHC73, SZII11, WCB01, Wil80, WH94, WS91b, XFO08, YZJ02, YW06, YLE02, YTM+91, ZRMH00, LaR92]. **Architecture-Adaptive** [MRH+16]. **architecture-dependent** [LE96]. **Architectures** [CSBA17a, CB17, Dru92, GF15, KKK+17, BJM+91, BH75, CGKM11, CCB+06, DSBK04, EBP16, GTK+02, KGS06, MCR+09, PBH+07, PG73, RTY+87, RKBH11, Rip03, SS95, TF04, WBDF97, Wir87, CBHLL92]. **Archival** [BLC+16, Sal91]. **archiving** [RCC01]. **area** [AEE+94, BvS00, DKK+01, Fab98, GS95, HM91, MPC08, SKKM02, Sha00, WECK07]. **ARGOS** [DH73, PSB06]. **argument** [GKS11]. **Argus** [LCJS87]. **Ari** [Dos88]. **Arithmetic** [EPG+20]. **ARM** [DLLN18]. **array** [TNA12]. **array-oriented** [TNA12]. **Arrays** [ACS15, DBP+04, LK91, SFV+04, ZCT+05]. **Art** [WP91, EFL07]. **Artifacts** [Eid15, SRH+06]. **Artificial** [KEF+19, YWKYS15]. **ARTS** [TM89]. **Artur** [Bar14]. **asbestos** [EKV+05]. **ASCI** [BBH+00]. **Asia** [HKPvR16]. **ASIC** [KZVT17, XDM+18]. **Aspect** [BS15]. **Aspect-Oriented** [BS15]. **Aspects** [FW77, Had83, LST+06, McN77, McN82, McN88]. **ASPLOS** [Tsa16]. **Assembly** [HS16]. **assertion** [PW93, Per92]. **assess** [HD12]. **Assessing** [AFB95, GTSS11]. **Assessment** [NCBB14, VPH+15]. **assist** [BKT87, KKM+06]. **assisted** [LHL04, RSW08, SN94]. **associated** [HM90]. **associative** [Ger72]. **associativity** [GMM98]. **Assurance** [AHC+16, RAF07]. **asymmetric** [Bla83, KF09, RRBN09]. **AsyncClock** [HNK+17]. **asynchronization** [WM80]. **Asynchronous** [Col73, HNK+17, VTGH17, WYC03a, ATK92, BDM97, BN78a, BJL+06, DDYM99, FV06, GN80, JXHQ02]. **Asynchronously** [LL16]. **asynchrony** [ES10, Ste97]. **ATM** [CKMV99, PS98, PS99a, PS99c, PS99b, PS99e, Pat02a, Pat02b]. **Atomic** [IKK16, MA91, Nat80, SKB+17, BRR+00, HV92, JLR+05, LB91, Lom77, OLS85, RZ97]. **atomicity** [Her86, LTQZ06]. **attached** [Van96]. **Attacking** [Zay87]. **Attacks** [AYQ+16, MMT16, DH95, HL05, KTC03, LSH00, PSB06, SW00, YS02, dVdVI98]. **Attaining** [GKS11]. **attempt** [Fou74]. **Attested** [CMSK07]. **auction** [Tai13]. **auction-based** [Tai13]. **Audio** [BCC+94, JH93, RV91, Her92b, Jef92]. **auditable** [PS09]. **augmenting** [PG06, dORF12]. **August** [Lev88]. **authenticated** [Che04, LKKY03a, LKKY03b, SMBA10, YS02]. **Authentication** [AC97, CV93, CGM97, LABW91, Lie93a, LSH03b, NS87, WABL93, ABC+98,

BO99, BAN89, Car94, CCK04a, CL04c, CC04, CCK04b, CC05, CH07, DH96, Gan08, Gif81, HYS03, HLL04, HL05, KC95, KLY03, KTC03, KCL03, Ku04, KC05, KCC05, LHY02, LLH02, LKY04, LW04, LHL04, LFW04, LC04a, MC96, Mit00, ME08, OR87, PS98, Sco04, SY96, Syv93, WL94, YW04, YRY04, YbJf04, LSH03a]. **authentications** [KSL92]. **Author** [Den07]. **Authorisation** [CL01, LM97]. **authorization** [VA96, YbJf04]. **Authorizing** [WYA+07]. **Auto** [KSP09]. **Auto-tuning** [KSP09]. **AutoBash** [SAF07]. **Autograph** [PKM+09]. **Automated** [Arn10, KP97, LWPG17, TAH+22, VPH+15, YLW+06, VM07]. **Automatic** [AK17, ACD+14, APGG00, BAMM77, BA06, CG00, FVDS20, MDK96, RS91, ZBN07, CLM+07, FM02, GBZP10, HB06, HCZ97, Isa07, JM95, PSB06, ZWG+97, ZHK06]. **Automatically** [LLL+17, SPHC02, LPH+07, PKM+09, RR04]. **automating** [PLHM08]. **Automation** [Cri91, WKL07]. **Autonet** [RS91]. **autonomic** [SWC08]. **Autonomous** [GS95, BM99, Sal78b]. **Autopilot** [Isa07]. **AutoRAID** [WGSS95]. **Availability** [BO91, AGM93, Bro00a, Bro00b, Cri94, yL91, SBL99, SBL00, WS91a, YD02, Yu00a, Yu00b, YV01, ZSS08]. **available** [ABC+02, DHJ+07, Kil00, NLO95]. **average** [SLCG89]. **AVIO** [LTQZ06]. **avoidance** [Lev05, Pea89]. **Avoiding** [BLRC94, Fon72]. **Award** [Mog08, vR14]. **Aware** [BLI17, HABZ17, JV21, KSCK17, LSL+17, LCCZ17, PFK+22, BDMS98, CEV00, CCHV11, DB11, DB97, EDZ07, FNRC+07, FS99, FS00, GS13, HEKSP11, KAI+13, LFZE00, LSKK08, MVKA06, MB08, NSN+97, PAB+98, RF17, SNKP95, TAS07, TLL03, WBB02, MCdL06]. **Awareness** [CYMT16]. **AxGames** [PAM+16].

B2 [Loe85]. **back** [Mat06, Mit96]. **backfilling** [LCJV+11]. **background** [VKD02]. **backing** [Del80]. **backoff** [Gup01]. **backup** [COS+08, CMN02, Rus77]. **bad** [CCZ+07b, HYM10, TYKZ07]. **balanced** [GSM08, LH04, PHYO96, SBH+10]. **balancer** [JXY95]. **Balancing** [MB06, AEP+97, BMD94, EDZ07, HBD95, LL98, PL95, ZWL09, ZSK97]. **ballot** [Lee99]. **BAN** [XZZ97]. **BAN-like** [XZZ97]. **band** [PBYH+08]. **bandwidth** [BSR06b, DP93, Fab98, GNA+98, HS96, LWY+04, LBJ03, MCM01, SGK+04, SS07, SF91]. **bandwidth-minimizing** [SS07]. **Banking** [Tai13]. **banks** [SCL96]. **Bankshot** [BXS14]. **Bantam** [Val94]. **BAR** [AAC+05]. **Bare** [RB24]. **Bare-metal** [RB24]. **barrier** [Joh91, VBLM07]. **Baruchi** [Bar14]. **base** [ACC+08, HPM93, SDE85, WH08, RCL01]. **Based** [AYQ+16, BLC+16, NCBB14, PG16, SKJ+17, SLD15, WM16, ADG+07, AEP+97, AMA+11, BJ81, Bab90, BL00, BK12, BMR+09, BS95b, BP91, CKD94, Cec00, Cha96, CL04c, CKmWH16, CGL+08, CGKM11, Che84, CG06, CLC05, CXMX05, CNV+06, CGJ+07, DB99, DB00a, EFL07, Fab98, Fab73, FAH+06, FFM07, FGC+97, Gai72, GSGN00, Gon89, GBCH00, GXJJ03, GLL04, Gup05, HLL+02, HHLS97, HCZ98, HDL+02, HF08, HFC+06, HLFZ97, HL96, HSPC01, JY98, JKH+00, KCD+81, Kam13, KSL92, KLY03, KEP07, KSS+96, KCL03, Ku04, KCC05, KKC02, LMG+07, Lan89,

LH04, LSKK08, LJX97b, LBB+91, LLS+08, LBJ03, LT11, LCH+81, LF13, LM96, LG04, LZ03, LJW+06, MMN08, MW75, MXXC05, MPC08, MA06, MC91, MD81, Mit00, MT85, MB80, Nai93, OCLN14, ÖGA06, PAB+98, PSG06, RS08, RG02, RCC01, RB93, RRP06, RBLP07, RMS98]. **based** [Rou84, SBL99, SBL00, SHV01, SMS11, SGNG00, SG10a, Sco04, STYC02, SCG01, SPF+07, Son05, SH00, SKPG01, Sto07, ST01, Taf82, Tai13, TSF90, VA96, WC02, WLAG93, WG08, WCW+04, WHZ+17, Wet99, Wet00, Wis05, XXMC05, YW04, YW06, YD02, ZZ03, ZHK06, ZS06, ZIL96, ZXMJ04, dLWZ00a, dLWZ00b]. **Basic** [Nut94a, dVdVI98]. **batch** [AVZR11]. **batching** [dSFdAM13]. **Bate** [Woo85]. **Battery** [HT15]. **Baymax** [CYMT16]. **Bayou** [TTP+95]. **BBFS** [HR92]. **be** [Gur07, MMTW10]. **beast** [FGR+07]. **Beating** [OD89]. **beauty** [FGR+07]. **Bechtolsheim** [Lig94, Lig95]. **Bedford** [Had83, Woo85]. **been** [HH88]. **before** [Spr85]. **behave** [CGKM11]. **Behavior** [KTG+17, NS16, BSL08, ECH+01, GSA10, KL07, Mog06, PLH98, REL00, RR72, SZ98, SPHC02, XFO08, YZZZ06]. **behaviour** [BR09, HKL+06]. **behavioural** [MMN08]. **Behind** [JW24, vR14]. **Bell** [BM06]. **Ben** [Dos88]. **Ben-Ari** [Dos88]. **Benchmark** [BCR+14, CKN+19, GKV07]. **benchmarking** [FLM+08, RB24]. **benchmarks** [Bro00a, Bro00b, CKDK91, VE08]. **benefit** [Fes07]. **benefits** [KPR+08]. **best** [SPBP06]. **Better** [CCM08, DL15, JS08, KF09]. **Between** [KHG+17, PVB17, Cos13, GHW07, GC96, GC05, GSW+17, Klo80, LWY+04, RK83, SZII11, SMM+09, ZCSM02]. **Beyond** [BBB+17, Löh77]. **BFXM** [LJX97b]. **Bibliography** [Smi78, CNL89, Esk96, Gan92, Lie93a, New79, WKT+13, YM93, Zöb83, ZK88]. **Big** [Che17, Wai95b, Lee99]. **bilinear** [BDDMR11]. **billions** [SMBA10]. **Binary** [MCN+17, Kot88, Le98]. **binding** [Lin81, PB96]. **bit** [BM06, CBHLL92, Lon93, THK95]. **bit-encoding** [BM06]. **bit-mapped** [Lon93]. **bits** [BJ81]. **BitVault** [ZLL+07]. **Black** [CSBA17a, KJ08]. **Black-box** [CSBA17a, KJ08]. **Blade** [WL15]. **blades** [SBH+10]. **block** [DY01, FFBG08, GJXJ03a, GUB+08, LH04, SJGY94, SJSM96, WF07, WSH94, YVM13]. **block-device** [FFBG08]. **blocked** [LRW91]. **blocking** [CCZ+07b, FD10, GC96, RB93]. **blocks** [IBY+07, Lie95c]. **BLR** [BDDMR11]. **BLR-D** [BDDMR11]. **Blue** [AUW08]. **board** [BCRS10, SMS11]. **Boki** [JW24]. **Bolt** [DK17]. **Book** [Bec75, Bla95, Had84, Had93, Heu97, Kad95b, Kad95a, Lig94, Lig95, Lit87, Nut94a, San86, Val94, WP91, Wai86, Wai94, Wai95b, Wai97a, Wai97c, Wai97b, dV96, Bla95]. **BookKeeper** [JKR13]. **Books** [Val94]. **Boosting** [YVM13]. **bootstrapping** [HB06]. **BorderPatrol** [KJ08]. **Borrowed** [DC99, DC00]. **Borrowed-virtual-time** [DC99, DC00]. **BOS}** [RP07]. **both** [Har82, SPR00]. **bother** [vR94]. **Bothnia** [CCW+11]. **bottleneck** [OD89, Zay87]. **bottom** [BC01]. **bottom-up** [BC01]. **Bouncer** [CCZ+07b]. **Boundaries** [BLJ+17, HK00]. **boundary** [Pet93]. **bounded** [BL89]. **bounding** [SGK+04]. **Bounds** [GG73, YW05]. **box** [ADAD01, CSBA17a, KJ08]. **Bozyigit** [RS02]. **Brain** [Wil16]. **brainiacs**

[Gur07]. **branch** [CG94, CCM96, CPT08, KT91b, SJSM96, SEP98, YS94]. **Brazil** [LGMF14]. **Brazilian** [BM17, OFB16, dSBP11, BOB15, FBL+12, LGMF14, dOS08]. **break** [PW98]. **Breaking** [BLJ+17, GMT16]. **brick** [LG04]. **brick-based** [LG04]. **Bridging** [Cos13, GSW+17, PG06, PVB17, RKBH11]. **brief** [Nut94b, Sch73b, Van96]. **bring** [ZUW+09]. **Bringing** [PWT+19, PPS+18]. **broadcast** [KTH89, LB91, MA91, Oes91, PP83]. **broadcasts** [AN02, EGE02]. **brokers** [LWY+04]. **Brother** [Wai95b, Lee99]. **Browser** [PVB17]. **browsers** [WFHJ07]. **Browsix** [PVB17]. **Bruce** [Val94]. **BRUWIN** [MM81]. **BSD** [ODH+85]. **buddies** [WTLS+09]. **buddy** [BL89]. **Budget** [WM16, Tai13]. **budget-driven** [Tai13]. **Buffer** [SEF+16, BRW89, GCM+94, GKL95, JADAD06, Pea89, Ros89, TL96]. **buffering** [BS96, DD12]. **bug** [CCM08, LPSZ08]. **Bugs** [ECH+01, HABZ17, LLLG16, LLL+17, MCXS16, CG06, LPH+07, QTSZ05, TYKZ07, WGL+08]. **Build** [BNE16, QPP02]. **Building** [BJKT15, DDOL16, HSI+01, LKvR+99, LKvR+00, LZC+17, SKPG01, TSP17, Wai95b, AMS+07, AUW08, BWV+12, IBY+07, KSL90, KAR+06, LOM+09, LP01, MPHD06, SFV+04, SG10b, WH08, Wil93, MW92, Wei92]. **bullet** [KSDC14]. **Bulletin** [BCRS10]. **Burns** [HV92]. **Burroughs** [WAC+81]. **Burrows** [Nes90]. **Burst** [SEF+16]. **bus** [ZZP04, OPSS93]. **business** [DKW+09, YWC04]. **BVT** [DC99, DC00]. **Bytecode** [OKN02]. **Byzantine** [AEMGG+05, BACF08, DY10, HGR07, KAD+07, LS86, MSF85, Ric88, VBLM07, WQA+24, dSFdAM13].

C [Had85, CDG+17, DBMZ08, DMB87]. **Cache** [CIP+23, CKJA98, GF15, HC92, KTG+17, LLN+17, MBS16, AEH+08, CKA91, CNC+96, GC89, GJXJ03b, Gup05, HP95, JADAD06, KBK02, LRW91, LC04b, MDO94, MC91, MB91, MS94, OCLN14, PHYO96, PLH98, PEA+96, SS94, SM89, VZ91, WZWZ10, WSH94, YW06, ZYG00]. **cache-based** [MC91]. **Cache-Coherent** [GF15, WSH94]. **Cache-conscious** [CKJA98]. **cache-consistency** [SM89]. **caches** [BLRC94, BRW89, GMM98, Goo87, IKWS92, KBK02, KGGK09, SKI08]. **Caching** [NWO87, Sat00, BXS14, CALM97, CG91, CD95b, yKPR02, KTP+96, MA06, PGG+95, RL96, RD01, SH96, SGN85, SDP+00, Son05, WVS+99, WVS+00, ZZ03]. **Caernarvon** [TKP+08]. **call** [BALL89, Cas91, Coo86, CKR08, FS08a, MK91, San81, Spi94]. **calls** [ATK92, BN83, Had77, JP78, Lis77, Par78, TA90, VMBM12, Wet78]. **Cambridge** [Dio80, GN80, Her78, NW77, WN80]. **Can** [BC06, Fle07, MPP+08a]. **Canada** [San86]. **cannot** [GS89]. **Cap** [ZH16, BN78a, Coo78, Del80, NW77, NB77, Nee77]. **capabilities** [HH88, HB80, Rus88]. **Capability** [JKS+15, Jon80, CKD94, Fab73, Gon89, Her78, Lan89, MB80, Nee79, SSF99, SSF00, Wil80]. **capability-based** [CKD94, Gon89, Lan89, MB80]. **Capable** [Ott18]. **capsule** [Wet99, Wet00]. **capsule-based** [Wet99, Wet00]. **Capturing** [CZG+05, PLH98]. **cards**

[KLY03, PV95, CL04c, CCK04b, HL05, Ku04, KC05, LHY02, Sco04, YW04]. **care** [HBB13]. **Cary** [Gra14]. **Case** [DIS19, KSCK17, LXYZ19, Ser21, SBS18, AKGR10, BJK+06, Bor98, BCDN87, CII+10, DH10, Fab73, Fes07, GUB+08, Hae10, HJT+93, Joh91, Lio78, Mat04, MW08, ONH+96, OD89, OAE+09, PK75, SPHH06, SHSB75, WA09, ZWWL01]. **Cashmere** [SDH+97]. **Cashmere-2L** [SDH+97]. **CASPAR** [GMT16]. **Cassandra** [LM10]. **Catastrophe** [Pra87]. **CATOCS** [Shr94, vR94]. **Causal** [RMSB01, vR93, AN02, Bir94, CGS96a, SB91]. **causal-consistency** [CGS96a]. **causal-phase}** [AN02]. **Causality** [HNK+17, KKS+16, SAF07]. **causally** [CS93, Coo94, Toi92]. **Causes** [dSM16]. **cautionary** [Coo94]. **CC** [VDGR96]. **CC-NUMA** [VDGR96]. **CDN** [WPP02]. **Cedar** [Hag87]. **cell** [RJK+14]. **Cells** [GSCM16]. **Cellular** [GTHR99, GTHR00]. **Center** [UJE+22, Zha23, Isa07, RRT+08]. **centers** [AVZR11, CAT+01, Cos13, GSM08, RJK+14, WTB10, WKT+13, WTLS+09]. **central** [Bas72, SDV+87]. **centralized** [PG06]. **centric** [ZYG00]. **CERN** [PBM22]. **certain** [Kno74, Kno75]. **certificates** [DS90]. **certified** [CJ05]. **CFS** [DKK+01]. **CGI** [Wag98]. **chairman** [Lam75]. **Chairs** [BK08, DK15]. **Challenge** [San86]. **Challenges** [AC23, HZ09, JSS+15, SG10b, VAK+11, Wit16, AAA+23, CR12, DW07b, Est02, FM98, MA10, WTB10]. **Change** [DHK+15, KSDC14]. **changing** [JBDP08, Wil94]. **Channel** [HMK20, Loe89]. **channels** [Loe85]. **CHAOS** [GS89]. **Character** [BN78b]. **Characteristics** [SHW+15, BM99, HO91, LPSZ08, MDO94]. **Characterization** [LPM17, PBM22]. **Characterizing** [BvS00, SPHC02, SJ05]. **Charge** [HT15]. **Charm** [ZHK06]. **CHART** [BMR+09]. **charter** [Sop84]. **Cheap** [CL87, CMN02, Lie96]. **check** [CCEH00, KKN00]. **checkers** [HV08]. **Checking** [BR09, BKL+16, BNE16, HABZ17, MCXS16, FL77, KL02, MPC+02, NL96, PW93, SH87, Per92]. **Checkpoint** [RS02, BBHL08, BW01, RPM97, YD02, ZWZ05, ZHK06]. **checkpoint-based** [YD02, ZHK06]. **checkpoint/restart** [BBHL08]. **checkpointing** [BMP+04, Kan83, TSLBYF08, VGBT14, WJ98, ZWZ01]. **checks** [NPCF08]. **CHERI** [CDG+17]. **Cheriton** [Bir94]. **Chip** [ACAAT16, BSL08, HWO98, KDS+06, KBK02, ONH+96, SKI08, vdWMH11]. **chips** [MAS+06]. **choice** [RR72]. **Choices** [CJR87]. **chosen** [LGSN89]. **chronics** [KJH+11]. **cinematic** [CSJZ08]. **ciphers** [DY01]. **circuit** [LCH+81, PV95]. **CIRCUMFLEX** [WBR+12]. **CISC** [BC91a]. **CISCs** [BCDN87]. **CLANGER** [Ros95]. **Clarifying** [KS99]. **class** [CJR87, Loe85, MSLM91, Mou96, MRS09, Smo95, SS17, ZELV02]. **classic** [Hof90]. **Classification** [MBS16, AWW08, Küh98, Lev05, MMN08]. **classifying** [Zöb83, ZK88]. **cleaning** [Rob96]. **click** [MKJK00, MKJK99]. **client** [BKN05, DPW+09, EBS01, FGBA96, KL07, SLN00, SLN99, CSBA17c]. **client-initiated** [EBS01]. **client-side** [KL07]. **ClientVisor** [CJS+09]. **Cliffs** [Sta83, Wai83b]. **clock** [LS86, Ric88, UHMB94, WJMC04]. **clocks** [DM90, Gon92, Ray92]. **clone** [Tan87]. **closely** [KLS85]. **closely-coupled** [KLS85]. **ClosestNode.com** [WS06]. **closing** [GKO+00]. **closure** [Neu89].

Cloud [Bas12, BHD19, CM14, DK16, DK17, GZH+19, GLD+22, GSW+17, KHG+17, LZH+22, LLL+17, YJX+16, BTMS10, BKP+12, BCC+13, BK12, CM13, DZP+11, Edi13, Hae10, HYM10, MRS09, dOL12, OB10, RRCC10, SG10a, SK13, VESM10, WL09, vdWMH11, Che17, RRCC10]. **cloud-based** [BK12]. **Cloud-Hosted** [BHD19]. **Cloud-TM** [RRCC10]. **Cloud9** [CZB+09]. **Cloudifying** [SW10]. **Clouds** [KMK16, KZVT17, XDM+18, BJK+06, KMK10, LMV12, PPO14, SSR+10a, Tai13]. **CloudSeer** [YJX+16]. **Cloudsim** [OBSR16]. **CLU** [LSAS77]. **Cluster** [FGC+97, ELG95, FMP+95, GW04, GBCH00, JKH+00, PAB+98, SBL99, SBL00, STYC02]. **Cluster-based** [FGC+97, GBCH00, JKH+00, PAB+98, SBL99, SBL00, STYC02]. **Clustered** [DJS+17, AEH+08, ENCH96, SDH+97]. **Clustering** [LSL+17, CZG+05, TAS07]. **Clusters** [GSW+17, HJrCH16, Cec00, GTHR99, GTHR00, HCJ07, JXY95, LK10, LZJ03, MSF85, PL95, RRBN09, TDM12, YD02]. **CMC** [MPC+02]. **CMP** [TAS07, CWS06, GPV04, MCR+09, SATG+07]. **CMPs** [SQP08]. **CNNs** [RHR+17]. **Co** [AVN+16, DDM+18, Had84, Had85, KSCK17, LXYZ19, San86]. **Co-Design** [AVN+16, DDM+18, KSCK17, LXYZ19]. **coalescing** [BL89]. **coarse** [Dub00, GTA06]. **coarse-grained** [Dub00, GTA06]. **Coasting** [GB01]. **COATCheck** [LSMB16]. **Coda** [KS91a]. **Code** [BD91, BNE16, EPG+20, MRH+16, PB09, WHZ+17, CCEH00, EP94, ECH+01, GA98, Jon93, MPP+08a, MRA87, MPC+02, NAR08, SFW99, SLS+05, SLQP07, SW10, SJ95, Tan87, TACT08, VE08, Jon92]. **Code-partitioning** [PB09]. **codes** [JKL+13]. **CoGENT** [AHC+16]. **Coherence** [CIP+23, HCBS04, OHW17, YVCB18, BKP+96, CKA91, HCW+04, HP95, MS94, SHT97, SS94]. **Coherency** [Goo87, PK96]. **Coherent** [GF15, CF89, FP89, SDH+97, WSH94]. **collaboration** [HDL+02]. **Collaborative** [KHG+17, VJ19]. **collaborators** [SS97]. **collateral** [PLM06, PLHM08]. **Collection** [LW01, Bar79, CHV04, ONG93]. **collector** [BN78a, GN80, JHT+07, SN94, WK08]. **collectors** [GTSS11, KPS09, SMTZ09]. **colocation** [WTLS+09]. **Colony** [CMK+06]. **coloring** [BAM+96, GP05]. **Coloured** [Nut94a]. **column** [Fle07]. **COMANDOS** [TCH+91]. **Combinatorial** [SLTB+06]. **combined** [CGS96a]. **combined-consistency** [CGS96a]. **Combining** [CG91, Cri94, JHK+16, ACM02, Str12]. **commands** [Ste73]. **Commensal** [SF12]. **comment** [Küh99, Lip75]. **Comments** [Hem89, JW01, Kot88, LL04, MC96, Ng99, RS02, Tro00, Hsi89, TYKZ07, TT00]. **commercial** [GWSY08, JBDP08, MDO94, Oes01, PAB+95]. **Commercially** [EENV02]. **commit** [Hag87, ML85, MSF85, PG96, VBLM07]. **committee** [Isa08, Sop84]. **Commodity** [SHP+16, VMM20, ZLJ16, BDR97, CGL+08, CLDA07, GAK+02, MR07, NPCF08, RPNT08, SFV+04, SLQP07, WZWZ10, XLDB09]. **Common** [RB24, CM06, GW04, WDH89]. **communicating** [Hab72, Mou96, PL95]. **Communication**

[ACAAT16, Boc75, DB75, MDR+00, OA08, WL15, ADG+07, BS95a, BHM77, BVR+00, BKP+96, Bir94, Bla83, Cer75, CC05, Che75b, Che84, CS93, Coo94, CCLP81, DBRD91, FAH+06, FR85, FH85, GW04, GTK+02, GC05, Had83, HYS03, KT91a, KSS+96, LHWY83, LKvR+99, LKvR+00, MK91, McN77, McN82, McN88, MW75, Neg00, Oes01, OCF00, Opd75, PFGD02, PP83, RR81, Rus88, Sco96, Sor73, WZZ93, WFHJ07, YTR+87, ZCSM02, ZZ03, Fin92]. **communication-exposed** [GTK+02]. **communications** [AEH75, Car94, CNL89, LWY+04, LC04a, Owe84, WV02, vdWMH11]. **Community** [CJM15, WdSA+08]. **Community-Supported** [CJM15]. **CoMon** [PP06]. **compact** [KDS+06]. **compacting** [ONG93]. **compaction** [WK08]. **Company** [Wai86]. **Comparative** [OSV86, PSK08, DS92, GS90, MSB+02, OSV82, TP72]. **Comparing** [Her86, PBH+07, BC91a]. **Comparison** [LCTK01, ZH16, AA06, KTP+96, MMTW10, MD81, MMB96, TSF90, TF04]. **Comparisons** [AHB15]. **compatibility** [Gue87]. **Competitive** [LSP07, KLMO91]. **competitors** [SS97]. **compilation** [CCEH00, WS87, Won93]. **compile** [DCZ96]. **compile-time** [DCZ96]. **compile-time/run-time** [DCZ96]. **Compiler** [BAM+96, CMT94, CH98, LM96, MP85, RSEW04, ZCSM02, CNO+87, CHCmWH00, CBC+08, CSS+91, GTK+02, HDH+94, KY02, MDK96, SS94, ZRMH00]. **Compiler-based** [LM96]. **Compiler-controlled** [CH98, CSS+91]. **Compiler-directed** [BAM+96, CHCmWH00]. **compiler-inserted** [MDK96]. **Compilers** [HS16, HZ09, KSP09]. **Compiling** [BSUH87]. **Complete** [Gar07, KAR+06, KGGK09, Ull73]. **Complex** [ACS15, Mog06]. **complexity** [DV87, FS08b, Sal00, SPHH06, ZK88]. **component** [GSM08, LP01, LF13, WV02, dLWZ00a, dLWZ00b]. **component-based** [LF13, dLWZ00a, dLWZ00b]. **Components** [RF17, EEKS06, Fes07, FRL00, LKvR+99, LKvR+00, MFGSP12, SFV+04, YW05]. **Compositional** [MCN+17, RBLP07, Bor98]. **compound** [VMBM12]. **Comprehensive** [LZH+22, LWPG17, Esk96, LB08, LPSZ08]. **Comprehensively** [KJS+06]. **Compressed** [JSCM17]. **Compression** [PFK+22, CG91, CCM96, Dou93, Riz97, WSW05]. **compromise** [PCP00]. **Compromises** [EPG+20]. **Computation** [CWS06, LHWY83, LLN+17, BVCG04, CHCmWH00, HN81, JL75, Kie87, LC04a, MCC+06, Por10]. **Computational** [BB75, FZL16, Cho77]. **Computations** [VGX17, BAI93, BK12, FR94, NSKS11]. **Compute** [GSW+17, CDV+94, EJD13, VDGR96]. **Computer** [AK17, CJM15, ELR15, Lam00, LGMF14, Lit87, MW09, Mog09, PBM08, RWS+15, San86, Voe98, WP91, Wai83b, Wai97c, AFB95, AUW08, AB75b, AC97, Bas72, CS77, CEC+95, Coo78, CJM+75, DH73, Ell73, Gai72, GS78, GSGN00, Her78, Hol72, HH08, KCD+81, KS95, KSS73, LBP+07, Lam83, LB81, Mad81a, Mad81b, MP75, MV86, NW77, NHM83, NXQ05, Nut74, Opd75, Pop75, Ros06, Rou84, SGNG00, Spe81, Sta83, Svo81a, Svo81b, Tri82, Tri02, vdWMH11]. **Computers**

[CYMT16, CYG+17, BBH96, Fab73, GB93, Han83, JS08, KP97, LHPL87, Rei85, SCP+02, SGGB99, SGGB00, SJ95, Tan79, Wai86]. **Computing** [BOB15, BR10, BM17, CM14, FBL+12, OFB16, PAM+16, RLD+17, SJS+23, TZZ+18, VMM20, Wil16, XDM+18, AUW08, Bab90, BKN05, BKP+12, BLNS81, BMK06, Cec00, CM13, DHRS91, DB11, ESB+06, EEKS06, Gan92, Gar07, GNB+09, HK99, HdRC95, HCZ98, HEK+07, Hog88, HC95, HL96, JXT93, JOW+02, Lac00, Lev07, LS94, Mah98, MUKX06, Nic87, OLLY02, OVS+06, OSSN02, PSZ+07, Pra86, SNKP95, Sat95, SB10a, SS83b, ST93, SBH+10, TBM+06, VESM10, VAK+11, WH08, Wel95, WL09, Yan92, YD96, dLWZ00a, dLWZ00b, vEBBV95, CM14, Duc92, YGG+03]. **concentrated** [XX00]. **Concept** [BCR+14, AN02, Gai72, Lux95, Smo95, WM80, YTM+91]. **Concepts** [Nut94a, CG91]. **conceptual** [RBLP07]. **Concierge** [RA07]. **Concurrency** [LLLG16, LLL+17, Her87, KHL+07, Lam85, LPS10, LPH+07, LPSZ08, MT85, Wei85]. **Concurrent** [CSBA17a, CC21, Her92a, ONG93, CSBA17b, Dos88, Fon72, Hol82, KPS09, Kru82, KGGK09, LSP07, Löh77, Rom95, TMW10, WK08, Hei78, SB78]. **conditioned** [WCB01]. **conditions** [Dun91, YRC05]. **Conducting** [AHB15]. **Conference** [And09, BY08, Fêa83, OSV82, OST83, OSV86, San86, Voe98, Had84, LH04, Ter14]. **Conferences** [Mog09]. **confidentiality** [ZZNM01]. **Configurable** [PKB+16, LAAW00, Maf94, WSW05]. **Configuration** [TLD+11, GGL+09, SAF07, TDM12, ZBN07]. **Configurations** [RB24, KMC02]. **Confined** [VTGH17]. **confinement** [Lip75]. **confirmation** [MXXC05]. **conflict** [BLRC94, GCM+94]. **conflicts** [TTP+95]. **Confused** [HH88]. **congestion** [LBJ03]. **connect** [NHM83]. **connected** [DB97, TTP+95, WYC03a]. **connection** [yKR06, MMN08]. **Connections** [LCL+16, CGJ+07, SG05]. **connectivity** [MES95]. **conscious** [CKJA98]. **Consensus** [Bal24, HSMC15, WQA+24, ACC+09, FV06, WYC03a, WCYJ05, YW05]. **consequences** [LK91]. **considerations** [MW75, YN12, ZRMH00]. **considered** [And09, Hof07, MPLH06]. **Considering** [CPM10]. **consistence** [GJXJ03b]. **Consistency** [BKL+16, BGS04, DB85, Ell77, LPS10, CGS96a, GGH91, GC89, Gup05, HCW+04, HSPC01, LJX97a, LLY05, Mos93, PRAH96, PCH+14, RMSB01, Ros89, SHT97, SM89, Yu00a, Yu00b, ZIL96]. **Consistent** [DJS+17, BCRS10, CGS+96b, PST+97, WJ98]. **console** [BEW75, BEW76]. **Consolidated** [HJrCH16]. **Constrained** [KEF+19, RA07]. **constraints** [AEH75, AS10, JRR97, NCL12]. **construct** [KS82, SS83b]. **construction** [HV92, JM95, Lie95a]. **consumer** [Hil92, HYM10, RB75, Rus77]. **consumption** [HHS05, KS95, MB06, SCM05]. **Container** [SPF+07, EKF+14, SG10a, And95]. **Container-based** [SPF+07]. **Containerization** [HSL17]. **Containerized** [HSL17]. **containment** [CRD+95, CCC+05, VMC+05]. **Content** [MS91b, MCdL06, BL03, CEV00, CJG02, LJW+06, OB10, SGD+02, Sat00, SCG01, Son05, SAG06]. **content-based** [LJW+06]. **Content-dependent** [MS91b]. **content-directed** [CJG02]. **contention** [DD80, MCS91]. **Context**

[KGS06, KKC02, Bla91, DB75, MB91, SG05]. **Context-specific** [KGS06]. **contexts** [TE94]. **Continual** [SRA+04]. **continuations** [DBRD91]. **Continuous** [ABD+97, LJdL+16, GA91, HSS+06, TSLBYF08]. **contract** [WK05]. **Contrasting** [MDO94]. **contribution** [CCAP06]. **Control** [AS10, BR10, GCJ17, LSV+19, Mil77, SLFP16, Arn10, ADAD01, BHLM94, CW92, DB85, DH73, EVvdW89, EKF+14, EM06, Gór78, Gue88, GDRT13, GA08, Her87, HKU79, How72, KHL+07, KYB+07, KKC02, LPS10, LJS+02, Lie95c, LBJ03, LSA+00a, LSA+00b, MCD+08, Mal10, MS91b, MT85, ML97, NB91, Opd75, PSZ+07, PSC+07, ROJS09, Sal73, SHV01, SFL+94, Ste73, TLL94, TG89, Wal73, WKL07, Wei85, Wol02, WJMC04, ZUW+09]. **controllable** [FS95]. **Controlled** [HC92, NAR08, Cha73, CH98, CSS+91, Sto07, Wol02]. **controller** [NXQ05]. **Controllers** [AMH+16, LER+17]. **Controlling** [Wag98]. **controversy** [vR93]. **conventional** [Nee79]. **converged** [DPW+09]. **Conversational** [Rom97]. **convertible** [CL04a]. **Converting** [BJ81]. **Convolutional** [RLD+17]. **convoy** [BGMP79]. **Cool** [ACM02]. **Cool-Mem** [ACM02]. **cooling** [EKF+14, WTB10]. **cooperating** [Woo73]. **cooperation** [RK83, WZZ93]. **Cooperative** [EKF+14, WBB02, AAC+05, BDT00, DKK+01, DBH+06, JXHQ02, SH96, Son05, WVS+99, WVS+00, XXM04, ZZ03]. **coordinated** [BRR+00, NS07, RRT+08, RZ97]. **Coordinating** [GNB+09, GDRT13, MAHK16]. **coordination** [BACF08, FG91, KLS+10, Pet76]. **coprocessor** [GPR87]. **Copy** [MMT16, HDG09, TML+00]. **Copying** [Sal00]. **CoRAL** [VTGH17]. **CORBA** [YD96, YS98]. **Core** [MGT+17, SHP+16, CAW08, DD12, DMD13, FD10, GKS11, KF09, LCWM08, MDK96, RRBN09, ZLX01b]. **cores** [CWS06, GTSS11, NBB09, SMM+09, VZ14]. **CORFU** [MBD+12, DJS+17]. **Corporation** [Had83, Woo85]. **Correct** [Hem89, TT00, Hem88, Kea88, SP00, Shi00, ZLX01b]. **Correction** [JHK+16]. **correctly** [CGKM11, SAL20]. **correctness** [Ell77, Kah72]. **correlation** [YS94]. **correlations** [LPH+07]. **Corroboration** [Fei15]. **cosmos** [AJG07]. **Cost** [AMH+16, Coo78, Fes07, GNA+98, KSK09, KBC94, PS09, SCP+06, SW10]. **cost-effective** [GNA+98, KSK09]. **Costs** [WL15, CG94, YV01]. **Cosy** [BBH96]. **COTS** [CJS+09]. **COTSon** [AFF+09]. **council** [Sop84]. **Count** [MCXS16]. **Counter** [KTG+17, EEKS06, Ger77, SZD+08]. **Counterexamples** [HV92]. **counters** [EBP16, Wei98]. **coupled** [KLS85, LWQ09, Pea89, PR83]. **course** [Atw84, BC01, CS00, HV08, Met82]. **courses** [AEG+91, DS80, Han83, HP93, Tan87]. **coverage** [RRP06, TLD+11]. **covert** [Loe85, Loe89]. **Cowell** [Heu97]. **CPI** [EEKS06]. **CPME** [RD87]. **CPU** [FS96, GGV96, JRR97, Kam13, NXQ05, YZG+11, FRL00]. **CPU-** [NXQ05]. **CPU-accelerator** [YZG+11]. **CPUs** [WDA+08]. **Crash** [BKL+16, FV06]. **Crash-Consistency** [BKL+16]. **crash-tolerant** [FV06]. **crashes** [CNC+96].

crawler [BPP12]. **CRAY** [Rei85]. **Crazy** [Tsa16]. **Creating** [ELR15, TZZ+18, MHD+07]. **credential** [CM06]. **CRISP** [DMB87]. **Critical** [ZSG+17, ZE16, KS82, Nai93, PGZ08, Spi74, YS98]. **criticism** [Bir94]. **critique** [Nes90, WB07]. **CRL** [JKW95]. **cross** [DP93, EER12, PFGD02]. **cross-domain** [DP93, PFGD02]. **cross-vendor** [EER12]. **Crossing** [OHW17]. **Crowd** [DIS19, LOM+09]. **Crowdsourcing** [PAM+16]. **Cryptanalysis** [KC05, LKY04, LLH04, Sco04]. **Cryptographic** [EPG+20, Gif81, Ng99, PS99d, Wai95b, JW01, SW00, XZZ97, XZZ98, ZLX99, ZWWL01, ZL04a]. **cryptography** [BMA00, JY98]. **CS** [AD07]. **CSP** [BR09, ZL86]. **CSR** [SHP+16]. **CTA** [LSL+17]. **CTRON** [Moo92]. **CUBIC** [HRX08]. **cuckoo** [SF12]. **current** [JT90, Van96]. **curve** [ZPS+04]. **CuSP** [HDGP21]. **custom** [CJR87, MSC+06]. **Customer** [PPO14, Bro75]. **Customer-oriented** [PPO14]. **customers** [PM03]. **Customizable** [HDGP21]. **customization** [ZSS08]. **customizations** [SFW99]. **Cybersecurity** [BH21, Ott18]. **cycles** [ABD+97, WL82].

D [Wai94, ASR+17, BDDMR11, GPY+17, KDS+06, LG04, MAS+06]. **D-SPTF** [LG04]. **DACIA** [LP01]. **Dagstuhl** [SK13]. **DAOS** [LLSK24]. **Data** [CSBA17a, CKmWH16, Che17, HWO98, HLL+02, Her92a, MBS16, NTC+21, Owe84, PR15, PFK+22, TZZ+18, UJE+22, WYD+21, Wei85, Woo85, You92, YWKYS15, ZLJ16, ZJL17, Zha23, AVZR11, Als72, AAMV09, BFHW75, BC08, Buc77, CSBA17b, CKJA98, CMT94, CCM96, Col73, CJG02, Cos13, DVS12, DZ95, DBH+06, Gan77, GKD91, GTA06, GBCH00, GSM08, Had83, HN08, Her87, HSS+06, HHS05, Isa07, IBY+07, KBB+06, KB84, KGB88, yKPR02, KSLA08, KPR+08, LM96, LJW+06, Mad81a, Mad81b, McN77, McN82, McN88, MRS09, MMAS08, PGZ08, PHYO96, PK96, Pop75, RRT+08, RKV11, RB93, Rei85, RJK+14, RR72, RMS98, SCL96, Sal93, SBN+97, SP00, Shi00, SF91, SDE85, SETB08, Svi83, Svo81b, SBH+10, TSLBYF08, TPO06, TLL94, TGR+21, TL96, Tug83, Tur80, VT01, VL87, VM07, VDGR96, WTB10, WKT+13]. **data** [Wed88, WS91a, WSW05, WSH94, WTLS+09, YVM13, YRC05, ZYG00, ZLL+07, ZJS+11, WS92]. **Data-Aware** [PFK+22]. **Data-dependent** [Wei85]. **data-flow** [Rei85]. **Data-Intensive** [NTC+21]. **data-memory** [SCL96]. **Data-parallel** [CKmWH16, IBY+07]. **data-race** [PK96]. **Database** [SAG06, BJW87, CK86, DGH+88, Ell77, EDP06, GWSY08, GKL95, LHWY83, PR83, RGAB98, Tra82]. **Databases** [LS09, EDZ07, yL91]. **Datacenter** [Bia17, LLLG16, XDM+18, BCP+08, SG10b]. **Datacenters** [BLJ+17, KGGS18, CII+10]. **dataflow** [AGP77, MSP+06]. **DataMesh** [WCE+92, Wil93]. **Datapath** [TSP17]. **dataref** [DL15]. **DataSeries** [AAMV09]. **Dave** [Had93]. **DAWNBench** [CKN+19]. **day** [PSB06, PB08]. **days** [AD07]. **DCatch** [LLL+17]. **DCFS** [XXM04]. **DCG** [EP94]. **DCNN** [RLD+17]. **de-facto** [Rus08]. **dead** [BS02]. **dead-instruction** [BS02]. **deadline** [Mil90]. **deadlines** [SLCG89]. **Deadlock** [New79, Pea89, Ell73, Hol72, Lei89, Lev03a, Lev03b, Lev05, Zöb83].

Deadlocks [Dim98, Fon72, ZK88]. **Dealing** [SESS96]. **debate** [Bak95, Wai95b]. **debug** [FD10, KL02]. **Debugger** [CHLS16]. **Debugging** [GLD+22, CL87, MM92, MM93]. **December** [Sat95]. **decentralized** [Che85, Cra83, KLS08, LM10, LG04, ML97, RF98, Sal78b]. **deceptive** [ID01]. **Decidability** [Mou96]. **Deciding** [SFH+99, SFH+00]. **declarative** [LCH+05, Mao09, TPH12]. **declarativity** [Mao09]. **declare** [ACC+09]. **decoding** [AS10]. **Decomposing** [JKS+15]. **decomposition** [CL04b, MB93, SFS13]. **Deconstructing** [DBP+04]. **Decoupling** [LZC+17, Por10, HCBS04, KGGK09, Tai13]. **dedicated** [TBM+06]. **Deduplication** [SJS+23, YN12]. **Deep** [GZH+19, HABZ17, JCY+19, LLSK24, MKL+19, PWT+19, RLD+17]. **Deeper** [JV21]. **Default** [MGT+17]. **Default-On** [MGT+17]. **defect** [PJDL06, SCP+06]. **defending** [TNL+07]. **Defensive** [QPP02]. **deferred** [BHB+08]. **define** [Den74a, Fou74, Zel74]. **Defined** [Ott18, BBM+81, Gsc94, RB24]. **Defining** [Lev03a, Lev03b, SWL77]. **definitions** [FHL95]. **degree** [ZSS08]. **DejaView** [LBP+07]. **delay** [KBK02, LCJV+11, PS99a]. **delay-tolerant** [LCJV+11]. **delays** [BL89, KS99]. **delegated** [CL04b]. **delegation** [CLC05, HK00]. **delete** [Gar07]. **deleted** [BC08]. **delivery** [SGD+02]. **Delta** [PCD91]. **Delta-4** [PCD91]. **demand** [CPM10, CSJZ08, FGBA96, HFC+06, LGN07, PB08, Pot77, VM07, WMH72, YGG+03, YZZZ06]. **demands** [BB75, CM75]. **demons** [Gur07]. **DEMOS** [BHM77, Pow77, PM83]. **DEMOS/MP** [PM83]. **Dena** [GSA10]. **Denali** [WSG02]. **deniable** [CCK04a]. **Dennis** [vR14]. **Density** [GSCM16, GPV04]. **Dependability** [CM13, CM14, BKP+12, HAF+07, SK13, VW08]. **Dependable** [CvR14, DBR09, Gan92, MC11, MDB01]. **Dependence** [RMS98, Bas72]. **dependencies** [FMK+07, NPC06]. **dependency** [GLL04, LFWL10]. **dependent** [LE96, MS91b, PG03a, Wei85]. **depending** [Gon92]. **deployment** [CKK+07]. **DepSpace** [BACF08]. **Deputy** [HH88]. **deriving** [RR04]. **describing** [SRH+06]. **description** [WP87]. **deserve** [KMA+14]. **Design** [AEE+94, ACS15, AVN+16, Bor92, BR10, DHK+15, DMB87, DDM+18, GF15, HF08, KGGS18, KRS97, KY02, LCL+16, Maf94, Rus81, SGGB99, SGGB00, Val94, vR92, AMPS73a, AMPS73b, AMPS74, AWW08, AWSBL99, AWSBL00, AEH75, ALBL91, Atw84, BMvdV93, BVR+00, BITW07, Dij05, FLR77, FP89, GRB+08, GSSV00, GKS11, Had85, HKL+06, HdRC95, IKWS92, ÏMC+06, JOW+02, KSCK17, KGGK09, Lam83, LH04, LRS+08, LXYZ19, Lie93b, Lis72, MSAD91, MM81, MP91, NMS+00, NBW87, NL97, OSV82, OST83, OSV86, OSSN02, PHOA89, PR06, PHL+77, Pra87, RO91, SHN+85, SNV10, SCS77, SHSB75, SMI80, ST01, TWL05, Toi92, WL02, WL94, WXX08, YN12, YAK93, ZRMH00, ZYG00]. **designed** [EVvdW89]. **designer** [HH89]. **designers** [FM98]. **Designing** [BPP12, RV91, SGNG00, GLL04, RBLP07]. **designs** [Moh78]. **desk** [HM91]. **desktop** [CJS+09, FURM00]. **Desperanto** [MLB83]. **detectable** [PW98]. **Detecting**

[JKDC05, LLL+17, CWdO+06, LHL04, LTQZ06, LPH+07, WG08, ZXMJ04]. **Detection** [Bre83, LZH+22, ZLJ16, ZJL17, AMA+11, BM06, BS02, CG06, Dim98, FES09, FLM+08, HLL+02, HC04, Lei89, MZI08, MC91, New79, PBYH+08, PK96, SGK+04, YRC05]. **detector** [SBN+97]. **detectors** [SS07]. **Determination** [PAM+16, CC77]. **Determining** [CDY+17, Won93]. **determinism** [Ste97]. **Deterministic** [LLLG16, PM03]. **Developer** [LJdL+16, Pen09]. **developers** [SS17]. **Developing** [Had93, PP09, SP00, Shi00, SXZ+88, OT95]. **Development** [LWQ09, Wai86, BvS00, DBR09, Her10, Lau81, Sal74, TBM+06, WLP75]. **deviant** [ECH+01]. **Device** [Hol88, SLLP+10, ACD+14, BBC+06, CCG95, FFBG08, HF08, Hei78, KPG93, KHL+07, KL02, MZWZ02, PLM06, PLHM08, Rya98, Rya99, SRH+06, TF04, WS91a]. **Devices** [XD17, BTK11, DPW+09, DZP+11, KS09, MCdL06, Neg00, PSMB16, RA07, Rus08, Sch95, WDA+08, XLDB09]. **Devirtualizable** [LSS04]. **DFTS** [WLZ03]. **DGates** [ASR+17]. **DGDBM** [Fra95]. **DGSA** [FM98]. **DHEKE** [LSH01]. **diagnosing** [TLH+07]. **diagnosis** [BDDMR11, PPO14, Wal73, WY04, YLW+06]. **dictionary** [WB86]. **Did** [DK17]. **didactical** [AEG+91]. **difference** [Fle07]. **differencing** [BPP12]. **different** [GLC99, LZJ03]. **Differential** [KBPM10]. **Differentially** [LSV+19]. **Differentiated** [CEV00, MA11, GC08]. **difficult** [Nee72]. **Digest** [Sat99, Sat95]. **Digital** [BCC+94, Had83, Woo85, BSR+06a, CS08, CJ05, HCK08, MKY08, RV91, SCL96, Sal78a, Her92b, Jef92]. **Dijkstra** [Kos73]. **dilemmas** [ES10]. **dimension** [CPM10]. **dimensional** [BSSM08]. **dining** [Ran82]. **Direct** [RKV11, BLRC94, GLL04, HFWZ87, KS09, MSP98]. **direct-access** [KS09]. **direct-mapped** [BLRC94]. **directed** [BAM+96, CHCmWH00, CJG02, Lei89, LLD+04, MP85, Nai93, RP07]. **directions** [Fiu06, HSW+00, PV95]. **director** [Fle07, KMK10]. **directories** [CKA91, Pon97, SD86]. **directory** [LEH86, SMBA10]. **Dirigent** [ZE16]. **Disaggregated** [CIP+23, FZY+23, Zha23]. **Disaggregation** [AC23, AAA+23]. **disambiguation** [GCM+94]. **disaster** [SESS96]. **disasters** [KBB+06]. **DISCCO** [CM13]. **discipline** [Wir77]. **disciplines** [Ful73]. **disco** [GTHR00, BDR97, GTHR99]. **Disconnected** [KS91a, KS91b]. **discovery** [HLL+02, KJH+11, dGdB10]. **Discrete** [WKL07, GDRT13]. **Disk** [WHZ+17, BC10, CS08, Ful73, GJXJ03a, HXL01, HHS05, ID01, Jin99, KS95, LK91, PKB+08, SFV+04, TP72, WLRZ03, ZCT+05, dJKH93]. **Disk-based** [WHZ+17]. **diskless** [CZ83]. **disks** [AUS98, BITW07, Gur07, HJ10, LT96, LLD+04, hTMAC+08]. **Dispersing** [VE08]. **display** [BKN05, SK96]. **Dissertation** [vR14]. **distillation** [FGBA96]. **Distributed** [BBBAN04, BFD97, Cec00, Cha90, CC21, CJRV15, FKZ17, Hac85, HJrCH16, HDGP21, JBW+87, KvRvST92, LLLG16, LLL+17, MAHK16, McD00, MV86, Mul87, Nai93, Nai96, PR15, Pow89, Rei92, RAVC12, SDD+85, VTGH17, Wai83a, WS92, WTC09, WN80, Yan92, dV96, Aba93, AMS+07, APGG00, AMMR92, AEP+97, Bab91, BS95a, BDM97, Bac81, Bac91, BAI93, BO91, BHK+91, BBH+00, BFSG94, BMD94, BJ87,

BLNS81, Bir91, Bla85, BDF+08, Bor92, Bos06, Bou94, BL00, BGS04, Bre83, BHJ+93, CW92, CS77, Cas91, CALM97, Cha96, CC97, CZ83, Che85, CK86, Coo85, CGS+96b, CB95, Cri94, DHRS91, Dou93, DFS00, DCZ96, ENCH96, Esk96, ELG95, Fle81, FP89, Fra95, FdAM14, FR94, Gan92, GBZP10, GB90, GC89, GBCH00, GXJJ03, GA08, Gup01, GLL04, HKD07]. **distributed** [HK99, HPM93, HdRC95, HCZ97, HZCC97, HCZ98, HM90, HL92, HKM+87, HL96, HSPC01, IBY+07, JZZW02, JKW95, JH93, JLZx90, KKS89, KS85, KvS07, KSL90, KSLA08, KLS85, Kut84, Lac00, LLS91, LABW91, LB91, LT96, LCTK01, LAAW00, LMM93, LJX97b, LGN07, Lie93a, LHWY83, LP01, Lit88, LFWL10, LT11, LCH+81, LB81, MK91, Mah98, MLB83, MO85, Mcd77, MM92, MM93, MS00, ML85, MSF85, MDB01, MM91, MT85, NSKS11, NB91, Nes82, Neu89, NB00, NCF05, OPSS93, Oli90, Ous81, PG96, PRD10, PWC+81, Pra86, Pu93, Ray91, Ray92, RL96, RRCC10, SFV+04, Sal93, SHN+85, SJL+87, SG97, SFL+94, SBN83, SDP+00, Sei90, STM+07, SSS01, SF80, SMRD06, SGGB99, SGGB00, Son05, SS83b, SJ05, SSR+10a, Str93, SMI80, SXZ+88, Svo81b, TSF90, TM81, TCH+91, TLL94, TML97]. **distributed** [TM89, Tur87, WC02, WPE+83, WZZ93, WECK07, WAB+89, WLZ03, WCL+04, WPLP85, WLS+02, Wil93, WBC+83, WS06, XXM04, YM93, YD96, YbJf04, ZLL+07, ZDP83, ZXMJ04, Zim94, dGdB10, vRvST88, vEBBV95, GB01, HTW01]. **Distribution** [CIL93, AEP+97, Bas72, BC06, CKK+07, LH04, LG04, PAB+98, PS98, RZ97, SY96, Syv93, THB06, Wed88]. **distributions** [HBD95]. **distrusting** [BDT00]. **Dive** [JV21]. **Diversity** [SG14, MdS09, Pen09, Rom95]. **division** [CFR98, MPPZ87]. **Diwali** [JR05]. **DJS200** [ZLX+80]. **DJS200/XT1** [ZLX+80]. **DMA** [MMT16]. **DNA** [BLC+16, Win08]. **DNA-Based** [BLC+16]. **Do** [AZEE18, HSMC15, RPNT08, ACC+09, BJ81]. **Do-It-Yourself** [AZEE18]. **Docker** [Boe15]. **Doctoral** [vR14]. **document** [CL04b, Oli90]. **Documenting** [PLHM08]. **Does** [BC10, CR12, KC94, SW10, ZUW+09]. **domain** [CS77, DBR09, DP93, Jan75, PFGD02, San81, SHC73, WJMC04]. **domain-specific** [DBR09]. **Domains** [JKS+15]. **dominated** [KBK02]. **done** [HUL06]. **DoS-resistant** [QPP02]. **double** [KT91b]. **double-width** [KT91b]. **down** [CS00]. **downloading** [XXMC05]. **dragon** [AM87, WAB+89]. **DRAM** [KSCK17, OAE+09]. **Driven** [JHK+16, Har82, KTP+96, NSKS11, ODH+85, SZD+08, SQP08, Tai13, TAH+22, UNMS94]. **driver** [CCW+11, FW72, TF04]. **drivers** [ACD+14, BBC+06, Hei78, KHL+07, PLM06, PLHM08, Rya98, Rya99, SRH+06]. **Drives** [RB24]. **Drop** [HT15]. **drum** [Ful73, Gre72, Sch73a]. **Dryad** [IBY+07]. **DSM** [JTG+00, LJX97a, SHT97]. **DSMs** [BKP+96]. **Dual** [KKS+16, CCW+11, Mou96, SCL96, YW05]. **dual-personality** [CCW+11]. **Duality** [FS08b, LN79, YTR+87]. **DudeTM** [LZC+17]. **dues** [Lev90]. **DUNIX** [Lit88]. **duplicate** [Ell77]. **Durability** [JKR13, EDP06]. **Durable** [LZC+17]. **DVFS** [Kam13]. **Dynamic** [BS02, CKmWH16, DS73, GCM+94, Jan75, MR07, MBS16, PB96, PPM17, WCS09, ZSG+17, ZWL09, ZPS+04, BJK+06, BWV+12, BL00, CC77, Cha96, CC97, CHCmWH00, EP94, Fes07,

FS08a, FGBA96, FdAM14, GS13, HBD95, HHS05, JMK+08, JXY95, LMV12, LPS10, MCD+08, PL01, PLH98, PS96, PS01, RN93, SBN+97, SAG06, Ste83, SLZD04, TDM12, TS06, Won93, XXMC05, ZXMJ04]. **dynamically** [BLRC94, OMCB07]. **dynamics** [ACT94]. **dynamite** [IvdLH+00]. **Dynamo** [DHJ+07]. **DySel** [CKmWH16].

Early [GMS77, JOW+02, Led97, WPC12]. **Easy** [Gai78, CMN02, LFH+09]. **Economic** [Sib76]. **economies** [HCK08]. **economy** [TLL03]. **eCos** [LST+06]. **ECOSystem** [ZELV02]. **Eden** [Bla85, LLA+81]. **Edge** [HDGP21, KHG+17, CCB+06, DSBK04]. **Edited** [Had85]. **edition** [Gue87, Had83]. **Editor** [Wai83a, Hof07]. **eDonkey** [HKL+06]. **Educational** [Had83, Woo85, AMO+12, NB00]. **Effect** [Mas77, DV87, HSPC01, Lov77, MB91]. **Effective** [KKN00, SLD15, ABLL91, BFS89, CH81, GNA+98, KSK09, Sto07]. **effectiveness** [TE94, WPP02]. **Effects** [BS96, IKWS92, LJS+02]. **Efficiency** [AT10, BLI17, BSR+15, Bia17, LB08, SJS+23, WM16, ACM02, BRW89, BJL+06, LK10, Opd75, YVM13]. **Efficient** [BM91, BEL+00, CB17, DK16, FL77, FES09, GPY+17, Kan83, LJdL+16, LSH01, ML85, OR87, PPM17, PKB+08, SH96, SZII11, WLAG93, WL82, WSW05, WLZJ17, WB86, ZLJ16, AAMV09, AC06, AD99, AD00, BJW87, CC04, CC05, cCVP99, CVP00, DY10, Edi13, EP94, GC89, GN96, HS88, HSI+01, JRR97, JOW+02, JXG+02, KTH89, KTB12, KC95, KLS08, KDS+06, LB06, LLH04, Lie94a, MC91, MRA87, NAR08, OS80, PSG06, PL01, PCH+14, RD12, SG97, SP00, Shi00, SQP08, TDM12, TL94, VL87, VAK+11, VGBT14, WC02, WK05, YGG+03, YW06, YRC05]. **Efficiently** [ÏMC+06, KDL+16, KJS+06, Spe81, ZZP04]. **Eighteen** [MFBWW20]. **Eighth** [Bac99]. **EINSTEIN** [FW72]. **elastic** [TPH12]. **electrical** [RJK+14]. **electronic** [AC97, LWQ09]. **Elephant** [SFH+99, SFH+00]. **elimination** [BS02, KKN00]. **Elsevier** [Lit87, San86]. **email** [CXMX05]. **embedded** [CJR87, LBvH06, LF13, MA06, PS01, RR04, TKP+08, WPC12]. **Embedding** [HK99]. **embracing** [Les04]. **emerald** [JLHB87]. **EMERALDS** [ZPS99, ZPS00]. **Emergent** [Mog06]. **emerging** [Est02, GWSY08]. **Empirical** [CJM15, Des10, KLMO91, CYC+01, MCM07, RF98, Rob98, SS98]. **employing** [CWS06]. **Empowerment** [Bla95]. **emulation** [HCG+06, HFC+06, Kam13, LAAW00, NMS+00, PB08]. **emulator** [PSB06, VYW+02]. **Emulators** [OB86, LFH+09]. **Enable** [XD17, KDS+06]. **enabled** [DW07a, DW07b]. **enabler** [DPW+09]. **Enabling** [ALM+18, GLD+22, KDP02, KMK10, MCGL17, SATG+07, WLZJ17, DKC+02, FIM+11, LSS04]. **encoding** [BM06]. **Encrypted** [JSCM17, LSH00, STW95]. **encryption** [CS08, Gai78, LK01]. **End** [JBDP08, VMM20, Zha23, BMK06, CCC+05, ESB+06, GNB+09, GKS11, RN83, SS17, TBM+06, TNL+07, WSW05]. **End-to-End** [VMM20, Zha23, JBDP08, CCC+05, GKS11, TNL+07]. **end-users** [SS17].

Energy [ASR+17, BSR+15, CCHV11, CDY+17, CHLS16, FS99, FS00, GBG+10, JOW+02, LJdL+16, OBSR16, TDM12, AVZR11, ACM02, CAT+01, CII+10, Edi13, HD12, HEKSP11, HHS05, KDS+06, KHL+07, KAI+13, LK10, LLD+04, NCL12, NRS13, dOL12, RP07, SHA02, VW08, WBB02, YW06, YVM13, ZELV02]. **Energy-aware** [CCHV11, FS99, FS00, HEKSP11, KAI+13, WBB02]. **Energy-efficient** [JOW+02, Edi13]. **Energy-harvesting** [CHLS16]. **Energy-interference-free** [CHLS16]. **enforcement** [Buc77, JL75, KLS08]. **Enforcing** [AYK08, AC06, ZE16, FS08a, SLS+05]. **Engineered** [ACS15]. **Engineering** [LGMF14, PWT+19, Sch75, NN75, Ano75, BOB15, BM17, FBL+12, OFB16]. **Englewood** [Sta83, Wai83b]. **Englewood-Cliffs** [Sta83, Wai83b]. **enhance** [SG05]. **enhanced** [RS08]. **Enhancement** [CJ05, LSH03a, LSH03b, YW04]. **enhancements** [HPG00]. **Enhancing** [ATMZ01, ATSS09, OL02, DY01]. **enough** [CCH+87, PBR+08, Pio89]. **enterprise** [FES09, JS08, KSDC14, NS07, SFV+04]. **entirely** [OAE+09]. **entries** [Nai93]. **entry** [Gai78]. **Environment** [VJ19, ABC+02, BAMM77, BL75, Bro75, CJS+09, CWL05, CCLP81, CLDA07, FW72, HK99, HCZ98, HC95, IvdLH+00, JFV+96, Jan75, JH93, JADAD06, KS92, LCTK01, MPF+06, Nic87, PG96, PR83, RMSB01, RD87, SATG+07, ST93, Taf82, Van06, VFMM08, WLS+02, WBC+83, YWC04, Yan92]. **Environments** [KEF+19, BWV+12, BDK+08, DFS00, Hog88, KF09, LSA+00a, LSA+00b, Mcd77, OSSN02, PSZ+07, YbJf04]. **eNVy** [WZ94]. **EOS** [PBM22]. **EPEP** [EVvdW89]. **Epidemic** [DGH+88, ÖGA06]. **Epidemic-based** [ÖGA06]. **Episode** [You92]. **EPOS** [WWGF08]. **ePOST** [MPHD06]. **equilibrium** [CCAP06]. **Equipment** [Had83, Woo85]. **equivalence** [Lak85]. **Eraser** [SBN+97]. **EROS** [SSF99, SSF00]. **Errata** [Ano78]. **erroneous** [Lev05]. **Error** [RB75, Boc75, LHL04, SLCG89, SGK+04]. **Errors** [BS15, CYC+01, ECH+01, LRS+08, RK11]. **Essential** [Heu97]. **Esterel** [LBvH06]. **Estimation** [OBSR16]. **ESX** [Wal02]. **Ethernet** [Gup01]. **Etherphone** [TS87a]. **EU** [BKP+12]. **EU-funded** [BKP+12]. **Euclid** [Hol82, PHL+77]. **Eudaemon** [PB08]. **Europe** [Ens75]. **European** [Bac99, Mul87, Sha95, Tan97, Bab91]. **EuroTM** [CR12]. **evaluate** [EWCS96, Kai75]. **Evaluating** [BVR+00, BJL+06, JXG21, GSA10, MCC+06, PHOA89]. **Evaluation** [CJM15, GF15, GLC99, KSS+96, LLSK24, RLB08, SEF+16, VMBM12, AUS98, Des10, FdAM14, Gan77, GGH91, GLG93, HLR98, KPL99, KY02, Nee77, NL97, PRAH96, PS99a, PSK08, Ros78, RN00a, RN00b, ST01, TNNI87, VW08, Zea97, ZHK06, ZIL96]. **evaluator** [SP00, Shi00]. **Event** [HNK+17, EKV+05, YLW+06]. **eventcounts** [RK77]. **events** [KJ08, PRD10, Svi83, Tug83]. **eventually** [BCRS10]. **Eviction** [NTHAB22]. **Evil** [HCJ07]. **evolution** [AGSS10, Bro00a, Bro00b, Kor06, PLM06, Pat02a, Pow89]. **evolution-some**

[Pow89]. **Evolutionary** [MM91]. **evolutions** [PLHM08]. **evolvable** [AIKS00]. **Evolving** [SADAD02, SZN87]. **examination** [HN08]. **example** [GC05, Hof90, Smo95, Woo73]. **Exception** [Mac77, MSR77, TL94]. **Exchange** [SHSB75, DS80, LL04, LW04, LSH00, SS00, STW95, WSW05]. **exclusion** [BBBAN04, Bou94, Cha96, CC97, HS88, Har82, Hof90, Nai96, Ray91, Woo90]. **exclusiveness** [Lie94b]. **execute** [BD91]. **executing** [ACT94]. **Execution** [JCY+19, KKS+16, AYK08, BDK+08, CCG95, CR75, CG00, CLDA07, DSBK04, ELG95, HFWZ87, HEKSP11, KY02, KCLZ98, Le98, MPP+08b, MPP+08a, MCC+06, NBB09, NCF05, PS96, PG03b, RG02, RF98, SLS+05, SLZD04, SQP08, TLC85, VESM10, WKL07]. **executive** [HP93, Sop84]. **exercise** [BLNS81, LE96]. **exercisers** [Pay77]. **Existing** [CCS+16]. **exokernel** [KEG+97, EKO95a, Les04]. **expanded** [Lor86]. **Experience** [Coo94, Oes01, SW91, SBN83, BC91b, Bla85, ETKF07, GMS77, LBB+91, WP87, ZSK97]. **Experiences** [AMMR92, AMO+12, GHP+08, MPHD06, NV06, CF89, JOW+02, KJH+11, KSL90]. **Experiencing** [AEG+91]. **experiment** [Che84, EVvdW89, Led97, Ric88]. **experiment-control** [EVvdW89]. **Experimental** [ACS15, Eid15, RR72, Gan77, GPR87, Hop90, Lov77, SHC73, WH99, WCW+04, WLS+02]. **experimentation** [LFH+09]. **Experiments** [AHB15, ELR15, SM89]. **experts** [Owe84]. **explicit** [BMR+09, MP96]. **explicit-rate** [BMR+09]. **explicitly** [MT02]. **exploitation** [PSG06]. **Exploiting** [BSL08, BJ87, EM89, EAS+17, GHW07, GTA06, HBD95, KKB+16, MES95, SCL96, Ste97, SKZ07, AYK08, FC87, HEKSP11, KKM+06, LLS91, SFW99, WV02, WECK07, WTLS+09]. **exploits** [PB08]. **Exploration** [JV21]. **Exploratory** [dSM16]. **Exploring** [CL95, CGJ+07, LPM17, TZZ+18, WCL17, BMvdV93, ÏMC+06]. **exposed** [GTK+02, TACT08]. **expressing** [Pay77]. **ext3** [AR07]. **Extended** [CM14, Fab73, Gue88, KTB12, MT17, Bor98, CV93, CG85, CMMS77, CM13, ECS73, FC87, KLS85, LLS91, LGJS91, Mcd77, RK77, Van96]. **Extending** [BF08, KPG93, Var97, MSA+00, Spr85]. **Extensibility** [BSP+95, EM06]. **Extensible** [Als72, BHLM94, KN93, TSP17, WBDF97, BCE+95, CL95, OPSS93, PB96]. **extension** [CCW+11, CBC+08, Jan81, STW95, WS91b]. **extension-oriented** [CBC+08]. **extensions** [cCVP99, CVP00, GUB+08, GHM77, NL96, SESS96]. **External** [HC92]. **externally** [Wol02]. **extracting** [PKM+09]. **Extreme** [XDM+18]. **EZIOTracer** [NTC+21].

F [Woo85]. **FAB** [SFV+04]. **face** [JBDP08]. **facilities** [Coo78, Nut94b, TLC85]. **facility** [DP93, GP95, LAAW00, VL87, SHSB75]. **facto** [Rus08]. **Factored** [WA09, BDDMR11]. **Fahrrad** [PKB+08]. **fail** [BHB+08]. **fail-in-place** [BHB+08]. **failed** [Jin99]. **fails** [DH96]. **Failure** [IKK16, SKB+17, dSM16, SS07, YW05]. **Failure-Atomic** [IKK16, SKB+17]. **failures** [PBYH+08, QTSZ05, TLH+07]. **Fair**

[AHB15, BMR+09, CAW08, Dun91]. **fair-share** [CAW08]. **Fairness** [HS91, SFS13, SKJ+17, WM16, WTKW08]. **false** [HSPC01]. **Fame** [Mog08]. **family** [ABC+98]. **fan** [EKF+14]. **fan-less** [EKF+14]. **fans** [VZ14]. **farming** [Hal00a]. **Farsite** [ABC+02, BDH07]. **Fast** [ACAAT16, BDF+15, CC21, HABZ17, SRTH15, SL98, SB91, SMM+09, VGX17, BXS14, BPP12, BMA00, CKD94, Che84, FAH+06, GLL04, Riz97, SSF99, SSF00, TNL+07, dBB08, Heu97, Ste83]. **FastAD** [SMBA10]. **Faster** [MMT16]. **fastest** [vRvST88]. **Fault** [AEMGG+05, Bab90, Cri91, KT91a, LER+17, PCD91, Rom93, Sal91, WQA+24, AAC+05, Bab91, BJM+91, BRR+00, BACF08, Bir85, BC91b, Bir91, BBG83, BS95b, CC97, CRD+95, DHRS91, GG91, GC89, HGR07, JT90, Kan83, KS91b, KAD+07, MS91a, NB91, PL95, PNT06, RRP06, RCL01, Sad75, SNV10, SPR00, TCH+91, WLAG93, WY04, WLZ03, XXM04, ZL86, ZHK06]. **fault-intolerant** [ZL86]. **Fault-scalable** [AEMGG+05]. **Fault-Tolerance** [Cri91, PCD91, Sal91, Bir85, KS91b, WLZ03, XXM04]. **Fault-Tolerant** [WQA+24, Bab90, AEMGG+05, BACF08, CC97, DHRS91, GC89, HGR07, MS91a, SNV10]. **faults** [LB91, Nee72, SLM11, VBLM07, WCS08]. **faulty** [Bou94, YW05]. **FAWN** [VAK+11]. **FBR** [RD97]. **Fbufs** [DP93]. **feasibility** [GBG+10]. **feature** [Had85, LJW+06, OST83]. **feature-rich** [LJW+06]. **features** [AEE+94, Als72, AM77, Fos87, HO91]. **FeBID** [BR10]. **federated** [ABC+02, EER12, SK13]. **Feedback** [BR10, LSA+00a, LSA+00b, SQP08]. **Feedback-driven** [SQP08]. **Felix** [FO81]. **Ferret** [LJW+06]. **Festival** [JR05]. **fetch** [FG91, OKN02]. **fetch-and-increment** [FG91]. **few** [FR94]. **Ficus** [GHP92]. **fidelity** [VMC+05]. **field** [HDL+02]. **field-based** [HDL+02]. **Fieldbus** [RN93]. **Fifth** [EMS09, Pet76]. **fighting** [WGL+08]. **File** [AHC+16, BKL+16, Dio80, FO81, GN80, GHP92, KMA+14, LK01, NTHAB22, SRTH15, THB06, Vog99, Vog00, ADN+95, AC06, AR07, BO91, BHK+91, BC06, BPP12, BDT00, Bor98, Bor92, BS89, CPdM+96, CNC+96, COS+08, DZP+11, DB97, EM89, EBP16, EER12, Fab98, FFBG08, FC87, FES09, FW77, FMK+07, GC08, GS90, GJSO91, GC89, GNB+09, Gsc94, GPK+07, Hac85, Hag87, HKL+06, HdRC95, HO93, HSK97, HKM+87, JHT+07, JXG+02, KN93, KS91a, KAS+06, KN96, LJX97b, LGG+91, LGJS91, Maf94, Mah94, MRC+97, MKKW99, MKKW00, MD81, MT85, MP91, MES95, MCM01, MMGC02, Nee79, NWO87, NCF05, ODH+85, OD89, Pio89, PKM+09, Pow77, PBA+05, RV91, RL96, RK83, RN83, Rob96, RAF07, RO91, SKKM02, SFH+99, SFH+00, Sat81, SHN+85, SGN85, Smo95, SG05]. **file** [SK97, Ste97, SMI80, SSR+10b, TML97, TGR+21, Vag10, WH08, WS91a, WF07, XFO08, XHJB99, ZN00, ZG07, dJKH93]. **FileNet** [EM89]. **Files** [VJ19, BBM+81, Bre83, DB85, EJD13, FC87, Fra95, Sch95, SBB86]. **fileserver** [BFD97]. **Filesystem** [HR92, CG91, You92]. **filesystems** [AEH+08]. **Filet** [DBR09]. **Filet-o-fish** [DBR09]. **filing** [BN78a, HP95, NB77, PKW81, RN83]. **filter** [MRA87]. **filtering** [EDZ07]. **Financial** [And87, Ano86, Kah85, Lev88, ZFP+21]. **find** [BTK11]. **Finding** [HABZ17, MCXS16, SLM11, SW00]. **Fine** [CSS+91, EGE02, ETKF07,

JXQ+22, JLHB87, LC93, SFL+94, EK08, Lie95b, Lie96, SGT96]. **Fine-grain** [CSS+91, SFL+94, SGT96]. **Fine-grained** [EGE02, JXQ+22, JLHB87, EK08, Lie96]. **fingerprint** [CL04c]. **fingerprint-based** [CL04c]. **fingerprinting** [PSB06, SGK+04]. **fingerprints** [KLY03, Sco04]. **finishing** [ECS73]. **finishing-time** [ECS73]. **finite** [Mou96, Pea89, SLTB+06]. **Fireflies** [JAvR06]. **Firefly** [SB89, TS87b]. **firewall** [LJY04]. **firmware** [KL02]. **First** [Fêa83, MSLM91, SRS22, Had84, MRS09, SS17, ZELV02, vR14, BK08, Bre08, Ter14]. **First-class** [MSLM91, SS17]. **fish** [DBR09]. **FIST** [ZN00]. **Fits** [UJE+22, Ste83]. **five** [Svi83]. **five-step** [Svi83]. **fixed** [LLK96]. **fixed-priority** [LLK96]. **Fixing** [MY98]. **FLash** [DK15, KLK17, BITW07, Des10, LMG+07, LSKK08, MBD+12, CCEH00, GKO+00, HGDG94, HKO+94]. **flash-based** [LMG+07]. **flash-speed** [MBD+12]. **Flawed** [Dru92]. **FLEP** [WLZJ17]. **FlexDCP** [MCR+09]. **Flexibility** [KN96, HKO+94, KEG+97, Les04]. **Flexible** [PST+97, WLZJ17, AAMV09, BEL+00, HPM93, HvE02, KC05, LHY02, LWMX05, MK91, McD00, Rip03, SCM05]. **FlexNIC** [KPS+16a]. **Flicker** [MPP+08b]. **FLIP** [KvRvST92]. **Flipstone** [BHB+08]. **floating** [LKB91]. **floating-point** [LKB91]. **Flow** [FXZ+17, YSCC16, BDF+08, EK08, GA08, KYB+07, LJS+02, ML97, MMAS08, RB93, Rei85, SRA+04, SLZD04, VBHN10]. **flowchart** [Fra80]. **Flows** [GCJ17, RKV11]. **Flux** [FBB+97]. **fly** [CWS06, Jin99, Kep91, SZD+08]. **folding** [Sch73a]. **forced** [KS99]. **forensic** [MZI08]. **forensically** [ME08]. **Forensics** [HN08, CS08, HH08, MKY08, MMN08, PBM08, SMRD06, XFO08]. **forensis}** [PBM08]. **Foreword** [Eid15]. **forget** [SFH+99, SFH+00]. **Formal** [BBFH07, BH75, MCN+17, PG73, WJMC04, BGHL87, DMD13, JW01, LF13, LZ03, TFC99, ZLX99, ZL04a]. **formalised** [Pay77]. **formalism** [Lei89]. **Formalisms** [Cer75]. **formalization** [BAD+11, HZCC97]. **format** [AAMV09]. **formats** [ZFW10]. **formulas** [FR94]. **Forth** [HFWZ87]. **forward** [Mat06, GB01]. **fos** [WA09]. **foundation** [BYV08]. **Foundations** [HMS17]. **fountain** [WDA+08]. **four** [JLR+05]. **fourth** [Bab91, SN13]. **FPGA** [SMS11]. **fragmentation** [RS86]. **Framework** [BMF+16, CC21, LZH+22, TAH+22, WYD+21, AIKS00, Bor92, EJD13, FFM07, GW04, GGL+09, ID01, KKM+06, KEP07, LP01, MCR+09, ROJS09, RD12, SS00, Smo95, TBM+06, WXX08]. **framing** [Hal00b]. **Frangipani** [TML97]. **Frank** [Bla95]. **fraud** [PW98]. **fraud-detectable** [PW98]. **Free** [GMT16, LC97, CHLS16, HHS05, KPS09, Lon93, RG02, YWKYS15, MP92a, MP92b]. **freezing** [WJ98]. **Freon** [HCG+06]. **frequency** [CPM10, GS13, KTB12, Kam13, MCD+08, Sad75, WJMC04, ZXMJ04]. **Frequent** [ZYG00]. **fresh** [BJK+06, BSR+06a, EKF+14]. **fresh-air** [EKF+14]. **freshness** [KMSV10, LC04b]. **Friendly** [LJdL+16, HRX08, HL05]. **front** [RN83]. **FS** [HdRC95]. **FS2** [HHS05]. **FTP** [Gsc94]. **Fuel** [VZ14, RJK+14]. **Full** [HSL17, AFF+09, CS08, MMAS08]. **fully** [FPG89, WYC03a]. **Function**

[HSL17, APGG00, CHY05, Eri14, FS95, LW04]. **functional** [Bos06, Fra80, MHD+07, RKBH11, Sat81, WZWS08]. **functionalities** [CJS+09]. **functionality** [CD95b]. **functions** [DK75, HSK97, LLH02, LKY04, Mil77, YRY04]. **funded** [BKP+12]. **funding** [GNB+09]. **fungible** [Lev03b]. **funnel** [LMV12]. **Further** [Hsi89, TT00]. **futex** [BF08]. **future** [Bas12, BCC+13, Fiu06, Fle83, JT90, KG99, Lam00, Mit96, Svi83, Tug83]. **fuzzy** [FLM+08].

G [Had85]. **Galactica** [LaR92]. **Game** [FZL16]. **games** [CCAP06]. **Gap** [GSW+17, PVB17, BYVF08, Cos13, PG06]. **gaps** [Gwi94]. **Garbage** [Bar79, BN78a, CHV04, GN80, GTSS11, JHT+07, KPS09, ONG93, SN94, SMTZ09]. **Geiger** [JADAD06]. **Gene** [AUW08]. **Gene/P** [AUW08]. **General** [CCS+16, Hem89, TT00, BAMM77, DC99, DC00, ECH+01, FIM+11, FS95, GCTR08, Hem88, Hsi89, Kea88, LSS04, MQW95, TPO06, WH99]. **general-purpose** [DC99, DC00, GCTR08, TPO06]. **Generalized** [FMK+07, CC77, KS82]. **Generating** [PKB+16, HZCC97]. **Generation** [AYQ+16, BH21, AKS73, BA06, BD91, BW95, CG00, EP94, HCZ97, PG73, PSB06, War76]. **generational** [WK08]. **generators** [SWL77]. **Generic** [ARS89, Hil81, AUW08, FFM07]. **genetic** [ELG95]. **Geo** [BDF+15]. **Geo-replicated** [BDF+15]. **geocast** [WS06]. **GeoGraph** [WYD+21]. **geographic** [EHD07]. **Geology** [DDOL16]. **Geometric** [WYD+21]. **GET** [HDH+94]. **Git** [SLD15]. **GLADE** [RD12]. **Glitz** [EER12]. **Global** [Had93, San86, AUW08, FMP+95, JFV+96, KSS+96, KBC+00, OA08, SHA02, Tur87, YM93]. **global-scale** [AUW08, KBC+00]. **globally** [Oes91]. **globally-ordered** [Oes91]. **GM** [BEW75, BEW76]. **GNU** [WB07]. **go** [KC94, MPP+08a]. **goal** [WL09]. **goal-oriented** [WL09]. **goals** [AMPS73a, AMPS73b, AMPS74]. **Going** [Bak95]. **gone** [ABD+97]. **good** [CM06, HYM10]. **Goodput** [RHR+17]. **Google** [CSBA17c]. **gossip** [ADG+07, Bir07, CGJ+07, EFL07, FFM07, PB09, RBLP07, VBHN10]. **gossip-based** [ADG+07, CGJ+07, EFL07, FFM07, RBLP07]. **Gossiping** [FGR+07, KvS07, WMI+07, BBFH07, GHW07]. **government** [GNB+09, Klo80]. **GPU** [DS09, FZY+23]. **GPUs** [LSL+17, LCCZ17, PPM17, SBS18, TPO06, WLZJ17]. **Grabowski** [Wai97b]. **graduate** [Met82]. **grain** [CSS+91, SGT96, SFL+94]. **grained** [Dub00, EK08, EGE02, ETKF07, GTA06, JXQ+22, JLHB87, Lie96, LC93]. **Grant** [Bis81]. **granularity** [Lie95b, MS94]. **Grapevine** [BLNS81, SBN83]. **Graph** [BH21, CC21, HDGP21, JCY+19, JXG21, Ser21, VTGH17, WHZ+17, WYD+21, ZFP+21, Lei89, RB93]. **graphic** [WYC03b]. **graphics** [CCW+11, Gor87, LHPL87]. **Graphs** [VGX17, KKFB11, Nai93, SK96]. **GraphZero** [MRH+21]. **Graspan** [WHZ+17]. **grass** [MMTW10]. **gray** [ADAD01, Gra14]. **gray-box** [ADAD01]. **green** [AVZR11]. **greener** [JS08, MMTW10]. **GreenFS** [JS08]. **Gregory** [Wai94]. **grid** [DW07a, TLL03, BJKT15, DW07b, KLS08, YGG+03]. **Grid-wide** [KLS08].

GRIFFIN [GCJ17]. **Group** [BDM97, LJX97a, Rei92, BS95a, CL04a, CNL89, Hag87, HL92, KT91a, LLH04, Oes01, Rom97, SF12]. **groups** [PL01, PL95]. **growth** [Bro00a, Bro00b, SBN83, Svi83]. **growth/evolution** [Bro00a, Bro00b]. **GRPC** [WZZ93]. **GS320** [GSSV00]. **guarantee** [RS00, WlL01, WL02]. **guaranteed** [PKB+08]. **Guarantees** [VMM20, BC06, GP95, LSA+00a, LSA+00b, PK96]. **Guard** [OHW17]. **Guarded** [LE96]. **Guarding** [GCJ17]. **guessing** [DH95, YS02]. **guests** [DY10]. **Guide** [Wai97c, Bru86]. **Guided** [UJE+22]. **GWiQ** [KLS08]. **GWiQ-P** [KLS08]. **Gypsy** [AGB+77].

H [Had85]. **H.** [Küh99]. **H.264** [AS10]. **HAC** [CALM97]. **Hadoop** [LK10, Por10]. **Haifa** [BY08]. **Haiti** [LWQ09]. **Hall** [Mog08, Sta83, Wai83b]. **Hamlyn** [BJM+96]. **Handbook** [Wai86, NN75]. **handed** [Ran82]. **Handhelds** [Sub11]. **Handling** [JH93, Nee72, HC95, Mac77, MSR77, RLB08, SMTZ09, TL94]. **handoff** [yKR06]. **handoffs** [JHC+11]. **Hang** [WGL+08]. **happened** [Her07]. **hard** [LTCA89, LRS+08, RK11, YS98]. **Hardbound** [DBMZ08]. **Hardening** [BS15]. **Hardware** [AVN+16, CKD94, CHLS16, CHCmWH00, FXZ+17, KSCK17, LSMB16, MSP98, PKB+16, SZD+08, TL94, TML+17, Wir87, YVCB18, ZH16, ZLJ16, AA06, ATSS09, BC91a, CL87, CWS06, CHV04, CSS+91, GP05, Har82, JBDP08, KKN00, KKM+06, MQW95, MPP+08a, MFGSP12, MB80, NMS+00, NPCF08, RHP+07, SHA02, SN94, SS72, SH87, TE94, TACT08, Wil80]. **hardware-assist** [KKM+06]. **hardware-assisted** [SN94]. **hardware-driven** [Har82]. **Hardware-OS** [LSMB16]. **Hardware-Software** [CHLS16, KSCK17, MSP98]. **hardware-supported** [MPP+08a]. **Hardware/Operating** [AVN+16]. **Hardware/Operating-System** [AVN+16]. **harmful** [And09, Hof07]. **Harmony** [PPS+18]. **Harnessing** [BSR+15, RRCC10]. **Harold** [Wai83a]. **Harp** [LGG+91]. **HARTOS** [KKS89]. **harvesting** [CHLS16]. **Hash** [DHK+15, KCL03, Ku04, KCC05, LLH02, LKY04, LW04, TMW10, YRY04]. **hash-based** [KCL03, Ku04, KCC05]. **Hashed** [VL87]. **HASS** [SFB+09]. **Hawk** [Har88, HH89]. **HCCM** [GJXJ03b]. **HCloud** [DK16]. **HDDs** [Str12]. **heap** [CG06, KJS+06, LLS+08, ONG93, SZ98]. **heap-based** [CG06]. **HeapMD** [CG06]. **Heat** [GPV04]. **Heat-and-run** [GPV04]. **Heidelberg** [WH94]. **help** [CGKM11, Kot88]. **Helper** [WCW+04]. **helpful** [MPLH06]. **helping** [BTK11, ZCT+05]. **Helsinki** [MY98]. **heterogeneity** [GHP+08, RKBH11, Tur87, WCS09]. **Heterogeneous** [AVN+16, BLJ+17, BSR+15, KGGS18, LPM17, LJdL+16, LL16, TZZ+18, VMM20, VSST16, AEE+94, AJG07, BF87, DW07a, Gir82, GKS11, LCWM08, Pra86, SZN87, SFB+09, SZII11, SJ95, SWC08, SXZ+88, YZG+11]. **Heterogeneous-ISA** [BLJ+17, BSR+15, VSST16]. **HeteroOS** [KGGS18]. **HetNOS** [BFSG94]. **hFS** [ZG07]. **Hibernator** [ZCT+05]. **hidden** [CWdO+06]. **HIDE** [ZZP04]. **Hiding** [BKP+96]. **Hierarchical**

[Bis81, DSGP05, RS00, CJR87, Dub00, EB78, Ger72, GGV96, VL87, Var72, WGSS95, YW06]. **Hierarchy** [KTG+17, BHLM94, MSP98, Smo95]. **High** [AGM93, AHC+16, DM90, EPG+20, GSCM16, JKH+00, KPS+16a, KPS+16b, MRH+21, SF91, Val94, AEE+94, ACG86, BM91, BVR+00, BSR06b, BITW07, BMR+09, BMK06, CPW07, Cri94, DD12, DP93, EDP06, ESB+06, Fab98, FJLC98, GNA+98, GNB+09, GJXJ03a, HRX08, HdRC95, HXL01, JKW95, yL91, LKvR+99, LKvR+00, MB93, MW75, MUKX06, MP91, NSS10, OAE+09, PG96, PWC+81, PN00, RRP06, RAF07, SB10a, SPF+07, SQP08, TBM+06, UHMB94, WLZ03, YZJ02, YW06, YD02, ZSS08]. **High-Assurance** [AHC+16]. **High-bandwidth** [SF91, BSR06b, DP93, GNA+98]. **high-coverage** [RRP06]. **High-Density** [GSCM16]. **high-end** [ESB+06, TBM+06]. **High-Level** [EPG+20, BM91]. **High-Performance** [KPS+16b, MRH+21, JKH+00, BITW07, BMR+09, CPW07, EDP06, JKW95, LKvR+99, LKvR+00, MB93, MUKX06, NSS10, OAE+09, PN00, SPF+07, SQP08]. **High-Speed** [Val94, BVR+00, HRX08]. **high-throughput** [DD12]. **highlights** [AD07]. **Highly** [HBG+06, Her92a, RLD+17, BBH96, DHJ+07, KGGK09, LAAW00, NLO95, SBL99, SBL00, WL09, ZLL+07]. **Highly-Scalable** [RLD+17]. **hings** [Zho16]. **Hints** [Lam83, CG00, SH96]. **HIP** [DTR01]. **HipG** [KKFB11]. **HIPStR** [VSST16]. **History** [SKJ+17, CZG+05, Fiu06]. **History-Based** [SKJ+17]. **Hive** [CRD+95]. **Hoard** [BMBW00]. **hoarding** [KP97]. **hoc** [BBD+02, BBBAN04, EM06, MFHH02, ÖGA06]. **Hoffman** [Wai95b]. **HOIST** [RR04]. **Holistic** [MAHK16, VFMM08, NBW87]. **Holland** [Had84, Had85]. **Holliday** [Wai86]. **home** [ZIL96]. **home-based** [ZIL96]. **homogeneous** [MP75, Pra86]. **Honeyfarm** [VMC+05]. **honeypots** [PSB06]. **Host** [OHW17, OCLN14, TDM12]. **Host-Accelerator** [OHW17]. **Hosted** [BHD19, DS09]. **hosting** [CAT+01, USR02]. **hosts** [DY10, MMN08, ZZNM01]. **Hot** [CvR14, DNT10, HN12, Sat99, SN13, DB00b]. **HotDep** [CvR14]. **HotPower** [VZ14]. **HotPower'11** [DB11]. **HotSWUp** [SN13]. **HotSWUp'09** [DNT10]. **HotSWUp'11** [HN12]. **house** [Wil93]. **house-building** [Wil93]. **HP** [MPPZ87, MW09, WGSS95]. **HPC** [CMK+06, HD12, HCJ07, NTHAB22, PFK+22, Tai13, TDM12, TGR+21]. **HPC-Colony** [CMK+06]. **HPC-jobs** [TDM12]. **HPCWorkloads** [LLSK24]. **HTM** [KGGK09]. **httpd** [BW95]. **Huge** [KYP+17]. **human** [Klo80]. **Hurd** [WB07]. **Hwang** [KTC03, KCL03]. **Hybrid** [DFL06, GSW+17, Str12, ZH16, CALM97, CII+10, DTR01, FdAM14, Svo73, ZG07]. **Hydra** [CJ75, LCC+75, WLP75]. **Hyper** [MKL+19]. **Hyper-parameters** [MKL+19]. **Hypercallbacks** [AWT17]. **hypercubes** [Nai96]. **Hypervisor** [BS95b, KYP+17, XD17, BBD+10, SLQP07]. **Hypervisor-based** [BS95b]. **hypervisors** [SPF+07].

I/O [And95, BJL+06, BP91, BS96, CG00, CKR08, DS09, EBP16, GNB+09, GPK+07, HF08, HXL01, ID01, KMN+16, Lak85, LSP07, MDK96, NTC+21,

NXQ05, OD89, PSMB16, PSK08, RB24, Rus08, Ste97, VW08, WLRZ03, WBB02, XLDB09, dBB08]. **I/O-intensive** [NXQ05]. **I/Os** [OBSR16]. **IA** [ZRMH00]. **IA-64** [ZRMH00]. **IaaS** [PPO14]. **IBM** [GPR87, HO91, San81, SF80, WZWS08]. **ICHU** [SSS01]. **ID** [JY98, KLY03, Sco04]. **ID-based** [JY98, KLY03, Sco04]. **ideal** [Her77]. **Ideas** [JW24, Tsa16, TCH+91]. **Identifier** [Nes82]. **Identifying** [ZSG+17, CG06]. **idiom** [KKM+06]. **idle** [AYK08, JXT93, Nic87, dGdB10]. **idleness** [ID01]. **Idletime** [ET05]. **IDS** [GXJJ03, LLY05]. **IEEE** [Sat99, Ano75, Cab90, Had01]. **IFIP** [Fêa83, Had84, OSV82, OST83, OSV86, San86, Owe84]. **IFIP/Sec'83** [Fêa83, Had84]. **IFIP/Sec'84** [San86]. **II** [UNMS94, Var97]. **IKE** [SS00]. **Illustrated** [Wai97b]. **Illustrating** [FV06]. **ILP** [PRAH96, RF98]. **Image** [GSCM16, OVS+06]. **iMAX** [KCD+81, PKW81]. **iMAX-432** [PKW81]. **Impact** [BAI93, Ros06, CS08, CB93, EAS07, GBG+10, HKO+94, RBH+95, ZSK97]. **Imperative** [JCY+19]. **Imperfect** [Wel88, Hog88]. **implement** [CSBA17b, DBRD91, San81]. **Implementation** [BCR+14, BR10, CBZ91, GLG93, Hem89, JHT+07, LCL+16, LCJS87, TT00, Zha23, AWSBL99, AWSBL00, AGB+77, AMO+12, BM91, BJW87, BJM+96, CCLP81, CF89, FL77, Fog74, GRB+08, Hem88, HB80, Hsi89, IvdLH+00, KRS97, Kea88, KAS+06, Kot88, yL91, LRV94, LWQ09, Lux95, MSP98, Maf94, MM91, MB80, NL97, Nut74, Oes01, OSSN02, RO91, SGGB99, SGGB00, SHC73, ST01, TWL05, VL87, YAK93, YTR+87, vR92]. **Implementations** [AHC+16, Moh78]. **Implementing** [BN83, FMP+95, LCH+05, MFGSP12, Wai95a, CFR98, GPR87, Lie94a, Lie94b, SS72, Tan79, Her92a]. **Implication** [Lak85]. **Implications** [DLLN18, MT17, HKL+06, LRS+08, VZ91]. **importance** [DB99, DB00a]. **impossibility** [FV06]. **Improve** [CYG+17, EAS+17, GZH+19, GKL95, HAF+07, RCL01]. **Improved** [LW04, LH04, GS13]. **Improvement** [Che04, CCK04a, CL04b, YW04]. **improvements** [CH07, Sin85]. **Improving** [Bia17, BRW89, GPK+07, JMK+08, Lie93b, MRC+97, MBS16, OCLN14, PHYO96, YS94, CMT94, HHS05, LJS+02, OSV86, SAF07, SPR00, SSR+10b, VDGR96, ZG07, dJKH93]. **in-kernel** [Uhl07]. **in-memory** [VGBT14]. **In-Network** [LLN+17]. **in-place** [SCM05]. **IncBricks** [LLN+17]. **Incident** [LZH+22, LCKFA24]. **includes** [SJ95, vEBBV95]. **incoherence** [HCBS04]. **incomplete** [LH04]. **incompletely** [ABC+02]. **inconsistencies** [Bre83]. **Inconsistent** [MCXS16]. **Incorporating** [GSGN00]. **Increased** [CYMT16]. **Increasing** [yKPR02]. **increment** [FG91]. **Incremental** [ZFW10, BPP12, KPS09, PAB+95, XX00]. **independent** [ECS73, JRR97, LFH+09, MEG94, PG03a, PG03b, RTY+87, SCFS98]. **Indeterminacy** [AGP77]. **indexing** [BL03, CZG+05]. **indirect** [JMK+08]. **induced** [PS99a]. **Inference** [HNK+17, KKS+16]. **inferring** [ECH+01, LBJ03, LPH+07]. **INFLOW** [DK15]. **INFLOW'15** [DK15].

influence [PM03]. **Information** [ADAD01, Cho77, FXZ+17, Had85, KYB+07, OSV82, OST83, OSV86, YSCC16, BC08, CLC05, EK08, EHD07, FM98, Gif81, GBBL85, JdLT+95, KMSV10, Kil00, LW01, ML97, Sal73, Sal74, ST93, SLZD04, VBHN10, WYC03b, ZZP04, dGdB10, OPSS93, OSV82, OST83, OSV86]. **Information-Flow** [YSCC16]. **Informed** [PGG+95, PGS93]. **Infrastructure** [JXQ+22, Ott18, AFF+09, BDS+09, DKW+06, FIM+11, MPP+08b, dOL12, Ram00, RCSW10, RJK+14, ZZP04]. **Infrastructures** [YJX+16, HSS+06]. **Ingens** [KYP+17]. **inheritance** [FS96]. **initial** [ST01]. **initialization** [DIN05, Jan75, War76]. **initiated** [BMD94, EBS01]. **innovation** [DVS12]. **input** [BP91, CCZ+07b, FO72, Har88, MP89]. **input/output** [BP91, FO72, Har88, MP89]. **inputs** [SMTZ09]. **inserted** [MDK96]. **Insider** [NCBB14]. **Insights** [TS06, ETKF07]. **Inspired** [Wil16]. **installation** [Fos87]. **INSTANCE** [HPG00]. **Instruction** [ASR+17, MSP+06, BEH91, BS02, CKDK91, DV87, Kep91, LBF+98, MA06, OB86, OA08, Ros78, San81, SS98, Wal91, WS91b]. **Instruction-Level** [ASR+17, LBF+98, Wal91]. **instructions** [KT91b, KKM+06, Lie94a, OS80]. **instrument** [DH73, OMCB07]. **Instrumentation** [TAH+22, Mcd77, MMB96, OMCB07]. **instruments** [OB86]. **Integer** [MPPZ87]. **Integrated** [BSR06b, STYC02, CCW+11, CKK+07, DCZ96, JT90, LK08, LK01, PV95, WLS+02]. **Integrating** [BEH91, cCVP99, CVP00, KHL+07, OCF00, OBSR16, Rei92, AMMR92, EHD07, WSH94]. **Integration** [HGDG94, FR85, JTG+00]. **integrity** [KDP02, SLS+05, SLQP07]. **Intel** [CCW+11, GCJ17, Rat11, vdWMH11]. **Intelligence** [BHD19, Che17, DIS19, KHG+17, KEF+19, DKW+09]. **Intelligent** [BP91, LZH+22, JXY95, JLZx90, XDC+95]. **InteMon** [HSS+06]. **Intensive** [NTC+21, GWSY08, NXQ05, SBH+10]. **intentional** [AWSBL99, AWSBL00]. **inter** [GW04, LJX97a, WV02]. **inter-component** [WV02]. **inter-group** [LJX97a]. **inter-process** [GW04]. **Interaction** [WV02, ALBL91, AM77, SHT97, SZII11]. **Interactions** [DK15, OHW17, Col73, HZ09]. **Interactive** [JHK+16, MCdL06, BGS04, DH73, EWCS96, FURM00, HJT+93, SLN00, SLN99]. **intercommunication** [Kno74, Kno75]. **Interconnect** [SKJ+17]. **Interconnected** [VMM20]. **interdisciplinary** [CGJ+07]. **interdomain** [Küh98]. **Interface** [LSMB16, BJM+96, CJR87, DTR01, FHL95, HDH+94, Jon93, Kep91, yKPR02, MK91, MQW95, Moo82, MEG94, Sch73b, vEBBV95, Jon92]. **Interfaces** [Wit16, BSR06b, CMK+06, CBD+98, Gue88, Str78]. **Interfacing** [ACG86]. **Interference** [HJrCH16, CHLS16]. **interim** [Nee77]. **Interleaved** [YJX+16]. **interleaving** [LTQZ06, LGH94]. **interlock** [Eas72]. **Intermediate** [HS16, WP87]. **Intermittent** [CHLS16, WCS08]. **Internal** [DL15, FW72, Rou84]. **Internals** [Woo85, GKD91, KB84, KGB88]. **International** [BCC+94, BR10, CM13, CM14, Had93, HLR98, Her92b, LS09, San86, Voe98, Wai83a, Owe84]. **INTERNET** [CKMV99, Bel10, Arn10, BvS00, CSJZ08, CCC+05, GBCH00, JKH+00,

KG99, MHD+07, NSS10, OLLY02, SGD+02, STYC02, VFH98, WCB01, Yu00a, Yu00b, ZBN07, dVdVI98]. **Internetwork** [KvRvST92]. **internetworks** [GS95]. **Internship** [HMS17]. **interoperability** [WDH89]. **interpolation** [DSGP05]. **interposing** [Jon93, Jon92]. **Interposition** [Jon93]. **interpreted** [Ros95]. **interpreter** [OKN02]. **interpreters** [RLV+96]. **Interprocedural** [WHZ+17]. **Interprocess** [Che75b, Sor73, Cer75, Che84, CCLP81, FR85, MW75, Rus88]. **interprocessor** [MK91]. **interrupt** [DTR01, HC95, RLB08]. **interrupt-polling** [DTR01]. **Interrupts** [KE95, Hat94, Hil93, Hil94]. **intervals** [ET05]. **Interweave** [SDP+00]. **intolerant** [ZL86]. **Intra** [EAS+17, LJX97a]. **intra-group** [LJX97a]. **Intra-Request** [EAS+17]. **intrinsic** [HS96]. **Introducing** [MW08, Rob98]. **Introduction** [DW08, Hoh07, Rie07, Sir06, Boe15, VZ14, XDC+95, ZLX+80, Lam75]. **introductory** [HV08]. **introspection** [HN08]. **Introspective** [MAS+06]. **intrusion** [AMA+11, DKC+02, GPF+05, GFPcF08, HLL+02, JAvR06, YbJf04]. **intrusion-tolerant** [JAvR06, YbJf04]. **intrusions** [JKDC05]. **invalidation** [Gup05]. **invalidation-based** [Gup05]. **Invariant** [BDF+15, Buc77]. **invariants** [BBE+11, LTQZ06]. **invented** [HH88]. **inversions** [DS92]. **Investigating** [Tem98, XLDB09]. **investigation** [Lov77, Rob98]. **invisible** [MZI08]. **Invited** [Tsa16, Lam00, Sal00]. **Invited-Speakers** [Tsa16]. **invocation** [Led97]. **involuntary** [PB08]. **IO** [PSK08]. **IOMMU** [MMT16]. **IoT** [BHD19]. **IOV** [XD17]. **IP** [BSR06b, CWL05, PN00, YLE02]. **IPC** [GA91, Lie93b]. **IPTables** [GC05]. **IPwatch** [LS90]. **Iris** [PSMB16]. **IRON** [PBA+05]. **ISA** [BLJ+17, BSR+15, KF09, TML+17, VSST16, Wit16]. **ISBN** [Woo85]. **ISDN** [NB91]. **ISIS** [Bir85, BC91b]. **isolating** [KJ08]. **Isolation** [LS94, JSDG08, SFS13, VGR98, WLAG93, WSG02, WRA05]. **Isolation-only** [LS94]. **Issue** [Eid15]. **Issues** [CM14, Lit87, SMI80, BIYC06, CL95, CM13, GA98, Gup05, MKY08, PS99c, Pat02b, TG89, VT01, YS98, YAK93]. **Itanium** [WCW+04]. **Itanium-2** [WCW+04]. **ITC** [SHN+85]. **Iteration** [SSK17, SWL77]. **Iterative** [JXG21]. **iterators** [Ste97]. **Itrustpage** [RSW08]. **ITV** [NLO95]. **Ivy** [MMGC02]. **IX** [FPG89].

J [Had85, Wai95b, Woo85]. **Jade** [WBC+83]. **Jain** [WP91]. **Jas** [Bla95]. **Java** [Heu97, GA98, CDG+17, GLC99, HvE02, Led97, NB00, NAR08, Oes01, OKN02, PG03b, WBDF97]. **JavaOS** [Mit96]. **Jensen** [Nut94a]. **Jerome** [Tug83]. **Jini** [ATMZ01]. **JIT** [OMCB07]. **JNI** [CDG+17]. **job** [BDF+08]. **jobs** [AVZR11, TDM12]. **jobscheduling** [ST00]. **John** [Had83, Heu97, WP91, Wai83a]. **Joint** [SHA02, VA96, Voe98, LM97]. **journal** [Spr85]. **journey** [Wil09]. **July** [OST83]. **jumps** [JMK+08]. **JUSTDO** [IKK16]. **justification** [Sib76]. **JVM** [PG03a].

K-entries [Nai93]. **K42** [DKW+06, KAR+06, WdSA+08]. **Kameleon** [RHMR15]. **Kang** [Küh99]. **KC95** [PCP00]. **Keith** [Wai94]. **Kenah**

[Woo85]. **Kernel** [CKmWH16, CCS+16, JKS+15, LCL+16, MFBWW20, NTC+21, OVS+06, UJE+22, YN15, ACG86, ABLL91, BF08, BAD+11, Bar81, BYVF08, CG85, CZ83, CD95b, DD12, Dru92, EKO95b, ETKF07, FBB+97, Har82, Har88, HHLS97, HH89, JM95, Kor06, Kru82, Kut84, LBB+91, Lie93b, Lie95a, LST+06, MP89, MW08, Mcd77, MMB96, NL96, PRD10, RR81, SMS11, Sch75, SCS77, SESS96, SLQP07, Sil83, SHC73, SR89, TM89, Uhl07, VMBM12, WG08, WSG02, Fin92, HBB13, MP92a, MP92b, PHOA89]. **Kernel-based** [CKmWH16]. **Kernel-level** [OVS+06, PRD10]. **kernel/domain** [SHC73]. **Kernels** [CCS+16, ARS89, GLC99, MR07, MSC+06]. **Key** [JW24, BMA00, Che04, DPW+09, DSGP05, DS90, DHJ+07, HLL04, JY98, LKKY03a, LKKY03b, LL04, LW04, LH04, LSH00, MKKW99, MKKW00, PL01, PS98, PCP00, PW98, SY96, STW95, Syv93, YS02, MC96]. **key-value** [DHJ+07]. **KeyKOS** [Har85]. **Keynote** [Est02]. **keys** [CJ05, KC95, LGSN89]. **KickStarter** [VGX17]. **Kill** [KTG+17]. **Kishor** [Sta83, Wai83b]. **Kits** [Küh04]. **Kittyhawk** [AUW08]. **KLogger** [ETKF07]. **Know** [DK17, Wed88]. **knowledge** [ST01]. **knowledge-based** [ST01]. **known** [Rou84, YLW+06]. **Krell** [Val94]. **Kuperee** [DH96]. **Kurt** [Nut94a]. **KZ2** [XDC+95].

L4 [BS15, KEP07]. **L4oprof** [KEP07]. **Labels** [EKV+05]. **Labs** [MW09]. **lacking** [BJ81]. **LADIS** [RAVC12, WTC09, MvR13]. **LADIS'14** [CJRV15]. **LAHNOS** [AEE+94, CCG95]. **LAM** [ZWZ05]. **LAM/MPI** [ZWZ05]. **Lamport** [Woo90]. **Lance** [Wai95b]. **landslide** [STM+07]. **Language** [AM77, BD17, FAH+06, MAHK16, YN15, Als72, ACC+09, AGB+77, ACG86, BMER14, DBMZ08, DMB87, FBB+97, GSA10, HFWZ87, Her77, HM93, KMC02, LRV94, Ros95, WP87, ZN00]. **Languages** [EMS09, EMSPS11, AH77, DBR09, Est02, GA98, JMK+08, PGZ08, Wir87]. **Large** [CJRV15, RAVC12, WHZ+17, WTC09, WAC+81, BS95a, BJK+06, BLRC94, Bod11, Cec00, CMK+06, EJD13, FES09, GBBL85, GBZP10, GB90, GSM08, HSS+06, JLZx90, KJH+11, KKFB11, KSS+96, LPS10, LJX97a, LGN07, Neu89, RRBN09, ROLV06, Ros89, RD01, SATG+07, Sal91, SF12, SPHC02, SSR+10a, TLD+11, VYW+02, YZZZ06, WS92]. **Large-Scale** [CJRV15, RAVC12, WTC09, WHZ+17, BS95a, Bod11, FES09, HSS+06, KKFB11, KSS+96, LGN07, RRBN09, ROLV06, Ros89, RD01, SF12, TLD+11, VYW+02, YZZZ06]. **largely** [Sal78b]. **Last** [DK17, LSKK08]. **Latency** [JHK+16, SS07, ZE16, BKP+96, DC99, DC00, EWCS96, JFV+96, PSMB16, SGK+04, Ste97]. **Latency-Critical** [ZE16]. **latency-sensitive** [DC99, DC00]. **Later** [MFBWW20]. **lattices** [Pon97]. **Launching** [RD87]. **Lawrence** [Woo85]. **layer** [GUB+08, ZL04b]. **layered** [LBJ03, PSC+07]. **layers** [AEE+94, KC94, Lin81]. **layout** [GJXJ03a]. **Lazy** [DB96, LLS91, BL89, CGS+96b, ZIL96, You92]. **LazyBase** [KMSV10]. **LCM** [LRV94]. **LDX** [KKS+16]. **leak** [BM06, HC04]. **leakage** [ZZP04]. **leaks** [ZJS+11]. **learned** [Sha00, ZH19]. **Learning** [CKN+19, ES10, GZH+19,

GLD+22, JCY+19, LPM17, LCCZ17, LXYZ19, LLSK24, LPSZ08, MKL+19, PWT+19, PFK+22, VJ19, Bod11, MZI08, ZFW10]. **Learning-and-System** [LXYZ19]. **Leases** [GC89]. **Least** [NTHAB22, Rob96]. **least-utilized** [Rob96]. **Lee** [KCL03, Küh99]. **legacy** [SLS+05]. **length** [SEP98, YN12]. **Less** [BNE16, DB00b, EKF+14, HKL+06, KLS+10, TH94]. **lesson** [WL94]. **Lessons** [Cas91, ROLV06, Sha00, Wet99, Wet00, WdSA+08]. **letter** [Hof07]. **Level** [ASR+17, EPG+20, HT15, RS02, AEE+94, ACG86, ABLL91, AMO+12, BM91, BSM+12, BBD+02, BW01, BMP+04, CG91, CCEH00, EB78, EKO95a, Fes07, FURM00, Hal00b, Hal00a, HSI+01, HEK+07, JSDG08, KAI+13, LS75, LBF+98, MSLM91, MT02, MQW95, MRA87, OT95, OCF00, OVS+06, PCH+14, PRD10, RRT+08, Sch73a, Wal91, WF07, ZZ03, ZWZ05, ZJS+11, vEBBV95]. **levels** [HZ09, dVdVI98]. **leverage** [CJS+09]. **Leveraging** [GZH+19, HS16, GPV04]. **Li** [JW01, KCL03]. **libvfio** [RB24]. **libvfio-user** [RB24]. **lie** [CR12]. **Life** [Pet93]. **Lifetime** [NTHAB22, DK75, GS13, HBD95, OCLN14, SZ98, SLQP07]. **lifetimes** [Sat81, TGR+21]. **Lifting** [HS16]. **Light** [vdWMH11, MSC+06]. **Light-weight** [vdWMH11, MSC+06]. **Lightweight** [BALL89, CKmWH16, CGS+96b, JKS+15, KKK+17, KKS+16, MCGL17, SMK+93, AMA+11, CH07, MEG94, TNL+07, dORF12]. **like** [Neu00, XZZ97]. **LilyTask** [TWL05]. **Limitations** [Kos73, Bir07, CS93, LMG+07, Pu93]. **limited** [BC83, GG73]. **limiter** [Loe89]. **limiting** [CCK04b]. **LimitLESS** [CKA91]. **Limits** [Wal91, LB08, YV01]. **Lin** [KTC03]. **Linda** [CG85, CG93]. **line** [DH95, KGS06]. **Linkage** [Ros94]. **linked** [LB81, RMS98]. **linking** [Jan75]. **Linux** [Kad95b, Kad95a, AR07, BYVF08, BBHL08, DIN05, FM02, Gan08, HBB13, JKS+15, JHT+07, KAS+06, Kor06, MW08, MFBWW20, NV06, PLM06, PLHM08, RLB08, SLM11, SG04, TF04, UJE+22, VMBM12, WRA05, WTKW08, WXX08, dBB08]. **LISP** [SH87]. **literature** [Met82, Bru86]. **Litmus** [LWPG17]. **Live** [KS09, SHW+15, XD17, HDG09, OB10]. **Lived** [LCL+16]. **liveness** [BC08]. **LLexus** [LCKFA24]. **LND** [MZWZ02]. **Load** [AEP+97, PL95, BMD94, EDZ07, HBD95, JXY95, LWS96, ZSK97]. **loading** [LL98]. **Local** [CIP+23, FR94, KLK17, AEE+94, Fab98, HJ10, Kan83, SHA02, Spe81, Tem98]. **localities** [Mas77]. **Locality** [LSL+17, PAB+98, SZD04, SSK17, WCL17, CMT94, CR72, DK75, LSKK08, LWS96, LS90, MT96, PSG06, PEA+96, VDGR96, Wei98, ZYG00]. **Locality-Aware** [LSL+17, PAB+98, LSKK08]. **localized** [LOM+09]. **Locating** [ACS15]. **location** [LB81, ST93]. **Lock** [GMT16, YWKYS15, KPS09, LT11, RG02, MP92a, MP92b]. **lock-based** [LT11, RG02]. **Lock-Free** [GMT16, YWKYS15, KPS09, RG02, MP92a, MP92b]. **locking** [Lie94b, MMTW10]. **Lockless** [DD12]. **locks** [Gil78]. **LOCUS** [MMP83, PWC+81, WPE+83]. **Log** [Bal24, CGKM11, FC87, JHT+07, KAS+06, MBD+12, MRC+97, OCLN14,

OD89, Rob96, RO91, SS06, SK97, WECK07, WB86, ZFW10]. **Log-based** [CGKM11]. **log-structured** [JHT+07, KAS+06, MRC+97, OCLN14, OD89, Rob96, RO91]. **log-synchronization** [SS06]. **Logged** [CD95a]. **Logging** [IKK16, KKB+16, CGS+96b, DHRS91, DKC+02, ETKF07, Hag87, Spi94]. **logic** [ACC+09, BH81, BAN89, Nes90]. **logical** [Ray92, dJKH93]. **logics** [XZZ97]. **login** [CCK04b]. **logistic** [BDDMR11]. **Logs** [DRTT24, JW24, YJX+16, BBE+11, Bod11, LFWL10]. **logTM** [MBM+06]. **long** [BSR+06a, Eas72, RD97]. **long-term** [BSR+06a, Eas72]. **longer** [Den74b, XHB06]. **Look** [HMS17, BJK+06, BSR+06a, BKP+12, Hol82, JM98, Mas87, Spi74, Syv96]. **look-alike** [Hol82]. **lookaside** [Ros89]. **looking** [Mat06]. **Loop** [CSBA17c, GKO+00, MT96]. **loops** [GDRT13, SCFS98]. **loosely** [LWQ09, LB81, Pea89]. **loosely-coupled** [Pea89]. **loss** [Mit00]. **Low** [HC04, HGR07, Ros89, SBH+10, CDY+17, DM90, DB99, DB00a, EKM04, EKF+14, Fes07, HSI+01, LC04a, MPP+08a, MCM01, PS09, PSMB16, PS01, RRP06, SGT96, SCP+06]. **low-bandwidth** [MCM01]. **low-computation** [LC04a]. **low-cost** [PS09, SCP+06]. **low-importance** [DB99, DB00a]. **low-latency** [PSMB16]. **low-level** [Fes07, HSI+01]. **Low-overhead** [HC04, HGR07, RRP06]. **Low-power** [SBH+10, EKM04, PS01]. **Low-synchronization** [Ros89]. **LRP** [DB96]. **LRU** [MPC08]. **LSI** [ZDP83]. **LSI-11** [ZDP83]. **Luna** [HvE02]. **lunch** [LCJV+11]. **LVQ** [CXMX05]. **LVQ-based** [CXMX05].

M [vR14]. **M3** [AVN+16]. **Mach** [Bab90, Wie92]. **Machine** [CKN+19, KMK16, LPM17, PFK+22, RTY+87, VJ19, AGSS10, AMA+11, BFHW75, Bod11, CSS+91, DKC+02, EKO95b, FLM+08, Gar07, HJ10, HUL06, JADAD06, LBF+98, LC02, Lie94a, MZI08, MEG94, MAK07, PK75, RN83, SGGB99, SGGB00, TSLBYF08, TNNI87, Vag10, WP87, WHZ+17, BH75]. **Machine-independent** [RTY+87]. **machines** [BBM09, CWdO+06, FHL+96, HDG09, HKU79, KSS+96, LSS04, hTMAC+08, Mou96, PBYH+08, SNV10, SAL20, ZWL09]. **Macmillan** [Wai86, Tug83]. **MacOS** [MCM07]. **Macroprogramming** [AJG07]. **MADCE** [HDL+02]. **MADIDS** [GXJJ03]. **MAGE** [Bro00b]. **Magnitude** [BNE16]. **Mahler** [WP87]. **mail** [SBL99, SBL00]. **Main** [AW17, AMH+16, CCHV11, LLD+04, WZ94]. **mainstream** [BBHL08]. **maintainability** [Bro00a, Bro00b]. **Maintaining** [MO85, HBP06]. **maintenance** [BHB+08, DGH+88, LJX97a, LSS04]. **Make** [Zha23, BC10, Fle07]. **Making** [MW91, Mit00, MP96, Mul87, YWKYS15, Zim94, CMSK07, CMN02, HCBS04, JS08, MV86]. **malicious** [BK12]. **Mallacc** [KXWB17]. **malware** [CWdO+06]. **Mambo** [WZWS08]. **manage** [GPV04]. **Manageability** [SBL99, SBL00]. **Manageable** [EK08]. **Managed** [MAHK16, BJM+96]. **Managed-Language** [MAHK16]. **Management** [AW17, BLI17, HJrCH16, KGGS18, MBS16, PPM17, ARS89, ATSV06, AH80,

AMMR92, ABLL91, BDF+08, BFS89, BFD97, CH81, CJS+09, CKR08, Cra83, DSGP05, DBRD91, Duc89, Edi13, EKO95a, FMP+95, FR85, GGL+09, Gor87, GB90, GTHR99, GTHR00, Gre72, GA08, HMSC87, HCZ98, HCG+06, Hol88, HM93, Isa07, JM98, KLS+10, KPG93, KMSV10, KHL+07, Kno74, Kno75, Kru82, KBC94, LEK91, LCKFA24, Les04, Lev07, LLD+04, LGN07, LLS+08, Lon93, LK01, MP85, Mas77, MKKW99, MKKW00, McD00, NS07, dOL12, PL01, RRT+08, ROJS09, RP07, RTY+87, RS86, Rat87, RS00, RD01, STYC02, SG10b, SWC08, Sto84, SAF07, Tra82, Tur80, Wal02, WTB10, WL82, Wel95, WWGF08, ZPS+04, ZXMJ04, HC92]. **manager** [LHWY83, MM81, Moo82, SDE85]. **manager/virtual** [MM81]. **Managing** [BJK+06, CAT+01, DKW+09, TS87a, TTP+95, BHB+08, BCP+08, Bod11, NXQ05, RHP+07, SKI08, ZELV02]. **MANETs** [FGR+07]. **manifesto** [JLR+05]. **many** [CCH+87, GTSS11, GKS11]. **many-core** [GKS11]. **Manycore** [BMF+16, KSP09]. **Manycores** [AVN+16]. **MapCruncher** [EHD07]. **mapped** [BLRC94, Cec00, Lon93]. **Mapping** [LBvH06, SCFS98, WK08]. **MapReduce** [RRBN09, WBR+12]. **March** [Sat99]. **mark** [CHV04, TSE+00]. **mark-sweep** [CHV04]. **Market** [WM16, dSM16, Had93, Svi83, Tug83]. **Market-Based** [WM16]. **marketplace** [KMK10]. **MARS** [DRSK89]. **marshalling** [Fes07]. **MARUTI** [LTCA89]. **mashup** [OB10]. **MashupOS** [WFHJ07]. **Mass** [dSM16]. **Mass-Market** [dSM16]. **Massachusetts** [Had83, Woo85]. **match** [MV86]. **match-making** [MV86]. **Matching** [DZ95, MRH+21, Sha95, XFO08]. **Maté** [LC02]. **mathematical** [CR72]. **matrix** [Lei89, SHV01]. **matters** [AT10]. **Maximizing** [ZH16]. **May** [Fêa83, OSV82, OSV86, MMTW10]. **McNamara** [Had83]. **MCTS** [Bro75, Bro76, EW76]. **MDX** [Sch95]. **mean** [ECS73]. **means** [CCG95]. **measured** [CEC+95]. **Measurement** [Voe98, Lie96, NRS13]. **Measurements** [BHK+91, Mon77, Gwi94, Svo73]. **Measuring** [LC04b, MCD+08]. **mechanics** [Uhl07]. **Mechanism** [CCS+16, BD91, CBD+98, CJG02, FH85, GC89, GJXJ03a, GJXJ03b, HL92, JXHQ02, KPS09, LCC+75, LJX97b, LK08, LBJ03, MRA87, ME08, MMP83, PP83, RPM97, VKD02, WZZ93, WLZ03, XXM04, ZWZ01, ZXMJ04]. **mechanisms** [GA91, Her86, HC95, JM98, Jan81, LSAS77, Loe05, RN93, Smi88, WV02]. **media** [CFR98, GA91, HCK08, Maf94, Son05]. **Mediating** [OHW17]. **medical** [LWQ09]. **Medusa** [Wai83a, Ous81]. **meet** [FHL+96]. **meeting** [Sch73b]. **Meets** [DDK+16, DIS19, LS09, CG93, CM75, SDP+00]. **Melange** [MHD+07]. **Mem** [ACM02]. **membership** [And83, BDM97, Kah85]. **memif** [LL16]. **memoing** [CFR98]. **memoization** [SL98]. **Memories** [KPS+16b, BJM+91, Ger72, RRCC10, Tan79]. **MemorIES3** [NMS+00]. **Memory** [AW17, AAA+23, AC23, AZEE18, AMH+16, CIP+23, DHK+15, DDK+16, DDM+18, GPY+17, GSCM16, IKK16, KXWB17, KGGS18, LL16, LZC+17, LSMB16, LWPG17, Mos93, NHH+17, NP17, PG16, Rat87, SKB+17, TML+17, Wal02, WTLS+09, ZLJ16, ARS89, AB75a, AMMR92, AL91,

ACM02, BMBW00, BXS14, BFS89, BSF+91, BM06, BCRS10, BMP+04, CH81, Cec00, CLR94, CRD+95, CB93, CCHV11, Che85, CD95a, CNV+06, CMSK07, CMM+06, CH98, CGS+96b, CR12, CF89, DFL06, DV87, Des10, DCZ96, EDZ07, ENCH96, Esk96, FMP+95, FR85, FP89, GCM+94, GGH91, GTHR99, GTHR00, GKV07, HC04, HGDG94, HM93, HSPC01, IKWS92, JM98, JFV+96, Jan81, JKW95, KLMO91, KT91b, KSDC14, LEK91, LMG+07, LRV94, LSKK08, LJX97b, LLD+04, LK08, LLS+08, MSP98, MK91, MP85, Mas77, McD00, MMTW10, MBM+06, NPC06]. **memory** [NHM83, OCF00, PRAH96, PLH98, PPO14, RK11, RGAB98, RTY+87, RS86, Ros89, RHP+07, SCL96, SMK+93, SGT96, SG97, Sch73a, SFL+94, SDP+00, SJGY94, SHT97, SF91, SDH+97, Sto84, TSF90, TWL05, Tem98, Tra82, TG89, VZ91, VGR98, VGBT14, WL82, WK08, WMH72, WCA02, WRA05, WZ94, XHB06, YZG+11, YTR+87, ZWL09, ZIL96, ZPS+04, ZPS99, ZPS00, CR12, HC92]. **memory-aware** [EDZ07]. **memory-based** [LSKK08]. **memory-mapped** [Cec00]. **MEMS** [GSGN00, SGNG00]. **MEMS-based** [GSGN00, SGNG00]. **Mercury** [HCG+06]. **Merge** [LCWM08]. **MERT** [BL75]. **Merz** [Wai97a]. **Mesa** [GMS77]. **Mesh** [SCG01, CC97]. **Mesh-based** [SCG01]. **Message** [DK15, Yan92, AWW08, BY08, BBG83, CLR94, Cha90, CJ05, Che84, FAH+06, HGDG94, HLFZ97, MW75, SCM05, SHSB75]. **message-based** [Che84, FAH+06, HLFZ97, MW75]. **Message-Passing** [Yan92, CLR94]. **messages** [dORF12]. **messaging** [AC97, KC94, WLRZ03]. **Meta** [You92, CCEH00, MW92]. **Meta-Data** [You92]. **meta-level** [CCEH00]. **metacomputing** [PFGD02]. **Metadata** [KDL+16, ZG07, dORF12]. **metal** [RB24]. **Method** [MSF85, Cha73, Led97, QTSZ05, Tan79, TFC99, WC02, WG08]. **methodologies** [Had85, OSV82, OST83, OSV86]. **Methodology** [NCBB14, Her92a]. **Methods** [Nut94a, Val94, Dim98, MRC+97, MMB96, Ste83, WJMC04]. **metric** [MB08, SS17, Mcd77]. **Metrics** [JXQ+22]. **Michel** [vR93]. **Michigan** [Wai83a, HGB+80]. **Micro** [Wai86, KAI+13, Lie95a, LE96, Neg00]. **micro-devices** [Neg00]. **micro-kernel** [Lie95a]. **microarchitectural** [LB06, LB08]. **microcomputer** [Rat87, ZDP83]. **microdrivers** [GRB+08]. **Microfilms** [Wai83a]. **Microkernel** [BS15, BCE+95, CL95, KEP07, Sto07, Uhl07, ZPS99, ZPS00, dORF12]. **microkernel-based** [Sto07]. **Microkernels** [FHL+96, HUL06, HEK+07]. **micropayments** [LOM+09]. **microprocessor** [AB75b, ACT94, DMB87, GS13, SCP+06, UHMB94]. **microprocessors** [WJMC04]. **microprogrammable** [Tan79]. **microsecond** [AD99, AD00, DM90]. **Microservices** [GZH+19]. **Microsharding** [TPH12]. **Microsoft** [Sch07]. **middle** [RA06]. **middle-ware** [RA06]. **Middleware** [DIS19, MDB01, RAVC12, WTC09, CPW07, EBS01, EAS07, GHP+08, KGS06, CJRV15]. **might** [HH88]. **migrate** [LAB+06]. **migrating** [IvdLH+00, OSSN02, PL95]. **Migration** [CAW08, Pat02a, RS02, SHW+15,

Sch95, XD17, ZSK97, Bec90, BW01, CWS06, CDV+94, DDYM99, HDG09, KS09, Lux95, Nut94b, PM83, RH97, SCP+02, Smi88, Won93, Zay87]. **MIMO** [AHB15]. **Minding** [BYVF08]. **mini** [SMS11]. **mini-kernel** [SMS11]. **minimal** [CSS+91, Ful73, MPP+08a, ZLX01a].
minimal-total-processing-time [Ful73]. **minimally** [CGM97]. **minimization** [MPP+08b]. **minimize** [SLCG89, TL96]. **minimizing** [DD80, SS07]. **Mining** [BBE+11, LFWL10, HLL+02, HSS+06]. **MINIX** [GLG93, HBG+06, Wai95a, AEG+91, CG93, KPG93]. **Minute** [MW92]. **MIPS** [CKDK91, LE96]. **MIRAGE** [GSM08, CKK+07, FP89]. **mirrored** [YVM13]. **mis** [Mog06]. **misbehaved** [SESS96]. **miss** [GMM98, ZPS+04]. **misses** [BLRC94]. **mistakes** [LPSZ08]. **Mitigate** [KSCK17]. **mixed** [AVZR11, Maf94, Mil92]. **mixed-media** [Maf94]. **ML** [LSV+19]. **MLS** [RAF07]. **MMS** [Cas95]. **Mobile** [CKMV99, CH14, DIS19, Duc92, KHG+17, KG99, LJdL+16, SH00, Sub11, BTK11, BBD+10, BBBAN04, CC05, CWL05, DZP+11, FS99, FS00, GA98, GXJJ03, HYS03, JdLT+95, KCLZ98, KP97, KXD00, Lac00, LC04a, LP01, LS94, MCdL06, MES95, ÖGA06, PS09, RMSB01, SNKP95, Sat95, SLLP+10, Wel95, dLWZ00a, dLWZ00b, CWL05]. **mobility** [BAI93, DB97, JLHB87, NSN+97, SJ95]. **mobility-aware** [DB97]. **Mode** [SLD15, Gue87, SS00, ZL04b]. **Model** [BWV+12, CKmWH16, CDG+17, LWPG17, NCBB14, TML+17, Var97, WN80, AUS98, CW92, CD95b, CR72, COS+08, CCLP81, DS72, Fog74, HV08, HCZ97, HCZ98, HM90, HLFZ97, HL96, JLZx90, KL02, LJX97b, LJX97a, LCWM08, LZ03, MXXC05, ML85, MPC+02, ML97, PFGD02, PG03b, Pra86, SSS01, SBB86, SJ05, SLLP+10, VESM10, WCL+04, ZLX01a, HR92]. **Model-Based** [NCBB14]. **Modeling** [Gil78, HCK08, JR05, SEF+16, Voe98, WL15, DMD13, FFM07, ÏMC+06, LB06, WZWZ10]. **Modelling** [PS99a, EBP16, HKU79]. **Models** [AB75a, BKL+16, BHJ+93, LCCZ17, BHB+08, BGS04, FS08a, GGH91, GS90, HCJ07, Mos93, PRAH96, RF98, SHT97, WPC12]. **Modern** [FKZ17, LSL+17, CSBA17b, Dim98]. **modes** [CCH+87, WZWS08, YW05]. **modification** [Kep91]. **modified** [GKL95]. **modify** [WL82]. **modular** [Gór78, KMC02, MF75, MKJK99, MKJK00]. **Modularity** [Dru92]. **module** [Str78]. **MOLAR** [ESB+06]. **molecular** [Win08]. **Mondrian** [WCA02, WRA05]. **Mondrix** [WRA05]. **Moneo** [JXQ+22]. **monitor** [AGSS10, AMA+11, Dun91, Had77, JP78, Lis77, Par78, San81, Wet78]. **monitor-based** [AMA+11]. **Monitoring** [JXQ+22, YJX+16, ACT94, ATSS09, JADAD06, KL07, KEP07, LS90, MMB96, NG09, PP06, RCSW10, SMRD06, Svo81a]. **Monitors** [How82, AB82, AGP77, FLM+08, HUL06, Hil92, Kee79, Svo73, Wol02]. **Mont** [vR93]. **Moonwalk** [KZVT17]. **Morpheus** [TZZ+18]. **Mosaic** [ALM+18]. **mostly** [EM89, PP06]. **mostly-scalable** [PP06]. **MOTIF}** [Wai94]. **MP** [PM83, Rei85]. **MPI** [PSK08, ZWZ05]. **MPI-IO** [PSK08]. **MPP** [CPdM+96]. **mTags** [dORF12]. **much** [SW10]. **Multi** [CWL05, DMD13, DBH+06, MGT+17, AB75b, BMTW91, BWV+12, BL75,

CCZ07a, CHY05, CAW08, CFR98, DD12, FD10, Jan75, KF09, LBvH06, LCWM08, LWQ09, LPH+07, MZWZ02, MDO94, Mil90, MP91, NSKS11, NBB09, NTHAB22, OA08, PFGD02, RRBN09, RRT+08, RD87, SBN+97, SFS13, SQP08, TGR+21, WB07, WS91a]. **Multi-agent** [CWL05]. **Multi-Core** [MGT+17, DMD13, CAW08, DD12, FD10, KF09, LCWM08, RRBN09]. **multi-cores** [NBB09]. **multi-device** [WS91a]. **multi-domain** [Jan75]. **multi-environment** [BL75]. **multi-level** [RRT+08]. **multi-media** [CFR98]. **multi-microprocessor** [AB75b]. **multi-objective** [NSKS11]. **multi-processing** [Mil90]. **multi-protocol** [PFGD02]. **multi-server** [WB07]. **multi-service** [BMTW91]. **Multi-site** [DBH+06, LWQ09]. **multi-stage** [CHY05]. **multi-structured** [MP91]. **multi-tenant** [BWV+12, SFS13]. **multi-threaded** [LBvH06, OA08, SBN+97, SQP08]. **multi-tier** [CCZ07a, MZWZ02, NTHAB22]. **multi-tiered** [TGR+21]. **multi-user** [MDO94]. **multi-variable** [LPH+07]. **multi-vendor** [RD87]. **multiagent** [HCZ98]. **multiagent-based** [HCZ98]. **multicast** [CNL89, Das92, LBJ03, Oes01, ÖGA06, PL01, SB91, Toi92, TFC99, YLE02, HTW01, vR92]. **multicastable** [ATMZ01]. **multicomputer** [MK91]. **Multicore** [GMT16, GF15, Pen09, WM16, ZE16, ATSS09, CGKM11, GCTR08, HZ09, RKBH11, SFB+09, WCS08, WCS09, WZWZ10, WL09]. **Multicores** [RHR+17, CH14, NG09, WA09]. **Multics** [FO72, Mon77, Sal73, Sch75, SCS77]. **multilanguage** [BF87]. **multilevel** [FLR77]. **Multimedia** [VT01, WS92, BGS04, CB95, GB93, GGV96, HPG00, Hal00b, Hal00a, Hop90, LMM93, NL95, NL97, TL96, Zim94]. **multiparty** [LL04]. **Multiple** [ALM+18, CB17, EMZ+16, SJSM96, BEW75, BEW76, Che04, Fon72, GDRT13, KSL92, PR83, TE94, WJMC04]. **Multiple-block** [SJSM96]. **multiple-key** [Che04]. **multiplication** [CFR98, MPPZ87]. **multiprocess** [Fon72]. **multiprocessing** [AH80]. **Multiprocessor** [MP92a, MP92b, SZ92, Wal73, BKT87, Bec90, BGHL87, CDV+94, CCLP81, CF89, Goo87, HWO98, HGDG94, HKO+94, HH89, KCD+81, KLMO91, KDS+06, KSL90, MB06, Mil77, NMS+00, ONH+96, PR83, RTY+87, Sco96, SJGY94, TS87b, YTR+87]. **Multiprocessors** [LPM17, BSL08, BAM+96, BDR97, CRD+95, CAL+89, GGH91, GTHR99, GTHR00, LGH94, LA94, Pea89, Ros89, SKI08, TAS07, TG89, VZ91, VGR98, WSH94]. **multiprogrammed** [TG89, VZ91]. **multiprogramming** [CFL73, Han72, How72, KSS73]. **multireader** [HV92]. **multiserver** [HL96]. **multisignature** [CL04b]. **Multitasking** [PPM17, Val94, HP93, Rei85]. **multithreaded** [BMBW00, GLC99, REL00, SP00, Shi00, ST00]. **multithreading** [LGH94, PSG06, WCW+04]. **multiuser** [ROLV06]. **Munin** [CBZ91]. **muse** [YTM+91]. **Mushy** [Wit16]. **mutation** [VE08]. **Mutual** [Har82, BBBAN04, Bou94, BO99, Cha96, CC97, HS88, Hof90, Nai96, OR87, Ray91, Woo90]. **Mutually** [BDT00]. **Mutually-distrusting** [BDT00]. **MUVI** [LPH+07]. **My** [Dij05]. **myths** [SPBP06].

name [PPT+93, SZN87, YAK93, ZL86]. **names** [Lau84, Pio89]. **naming** [AWSBL99, AWSBL00, HSI+01]. **NAND** [Des10, LSKK08]. **nanoscale** [PJDL06]. **NAS** [JXHQ02]. **Nash** [CCAP06]. **National** [Sop84]. **Native** [CSBA17c, SJ95]. **Navigating** [SJS+23]. **Near** [DDM+18, TZZ+18, SS83a]. **Near-Data** [TZZ+18]. **Near-Memory** [DDM+18]. **near-optimality** [SS83a]. **Need** [NP17, BBD+02, FNRC+07, Neu89, RPNT08, Wed88, WCS09]. **need-to-know** [Wed88]. **Needed** [Sal93]. **Needham** [Nes90]. **Needs** [Sha95, DZ95]. **neighbors** [BTK11]. **Nemesis** [Ros94]. **NEPI** [LFH+09]. **Nessett** [BAN90]. **nest** [MT96]. **Nested** [Had77, SSK17, BO99, JP78, Lis77, MBM+06, MMP83, Par78, Wet78]. **Net** [LaR92, CG85, vEBBV95]. **NetDB** [LS09]. **Netherlands** [OSV82, OSV86]. **Nets** [Nut94a, Kos73]. **Netstation** [VFH98]. **Network** [BNOW93, BCC+94, DS90, GPY+17, Hal00b, Hal00a, HSL17, Jef92, LER+17, LLN+17, RLD+17, Ser21, XD17, AIKS00, AEE+94, AEH75, ADN+95, AD99, AD00, BDMS98, BFSG94, BSR06b, BJL+06, CCG95, CAL+89, CBD+98, Che75c, CK86, CXMX05, DB75, DZP+11, DTR01, DB96, EGE02, Est02, Fab98, FIM+11, FGBA96, FGC+97, GAT13, GS90, Gir82, GHP+08, HLL+02, HKL+06, HO93, HM91, HN81, HKU79, HBP06, JFV+96, JAvR06, yKPR02, LCTK01, LW01, LS90, LX00, MVKA06, MP75, MMN08, MD81, MRA87, MDB01, MMB96, MCM01, NWO87, NSS10, OCF00, Owe84, PAB+98, Pet93, PWC+81, RR81, RCSW10, SY96, SKPG01, Spe81, SPBP06, SDH+97, VYW+02, Van96, WYC03a, WYC03b, WCYJ05, WlL01, WL02, Wet99, Wet00, ZDP83, vEBBV95, Her92b]. **network-based** [HLL+02, MD81]. **Networked** [NSW10, PP09, GB93, HSW+00, LWQ09, SGGB99, SGGB00]. **Networking** [ELR15, LS09, Sub11, BTMS10, EENV02, KSK09, MB93, Mao09, ROJS09, SG04, Zho10]. **Networks** [AHB15, BR10, CKMV99, ATMZ01, ABKM01, AC97, AJG07, BJK+06, BBD+02, BBBAN04, BVR+00, CDG+02, Cec00, CCAP06, Cos13, EKM04, Gil78, HSI+01, JHC+11, LMG+07, LCJV+11, LAAW00, LC02, LW01, MFHH02, MV86, MAK07, NPB06, Opd75, ÖGA06, PS98, PS99d, PS99a, PS99c, PS99b, Pat02b, Pop75, RN93, Ten96, WLS+02, ZS06]. **Neural** [GPY+17, RLD+17, Ser21, CCG95, CXMX05]. **Neurosurgeon** [KHG+17]. **Next** [AYQ+16, BH21, BW95, HEK+07]. **Next-Generation** [AYQ+16, BH21]. **NFS** [SM89]. **Nice** [VKD02]. **nightmare** [Pen09]. **nights** [AD07]. **Niterói** [LGMF14]. **No** [RRT+08, RJK+14]. **node** [LSS04, ZS06]. **nodes** [Sal78b]. **Non** [AMH+16, BM90, CYMT16, CYG+17, LLLG16, Ric88, Yan92, ATMZ01, BXS14, CCHV11, GC96, HLL04, KL98, KPL99, KBK02, KCLZ98, Küh99, Lam85, MR07, Par78, RB93, Ste97, WZ94, Yuv76]. **non-blocking** [GC96, RB93]. **Non-Byzantine** [Ric88]. **non-determinism** [Ste97]. **Non-Deterministic** [LLLG16]. **non-multicastable** [ATMZ01]. **Non-Preemptive** [CYMT16, CYG+17, BM90, KL98, KPL99, Küh99]. **non-problem** [Par78]. **non-problems** [Lam85]. **non-quiescent** [MR07]. **non-repudiation** [HLL04]. **non-strict** [KCLZ98]. **non-system** [Yuv76].

Non-Uniform [Yan92, KBK02]. **Non-Volatile** [AMH+16, BXS14, CCHV11, WZ94]. **nonce** [KSL92]. **nonce-based** [KSL92]. **nonces** [NS93]. **Noninterference** [NBK+20]. **Nonintrusively** [JXQ+22]. **nonstationarity** [SKZ07]. **NonStop** [Bar81]. **Noordwijkerhout** [OSV82, OSV86]. **normality** [WG08]. **Norstar** [Cas91]. **North** [Had84, Had85]. **North-Holland** [Had84, Had85]. **NOSSDAV'93** [BCC+94]. **Note** [RD97, Wel88, And81, Den78, Den79, Den80, Dos88, Hat94, Hil94, Lie94a, Lie94b, Lie95c, Lie96, Lon93, NS93, Woo90]. **Notes** [PHL+77, Bre08]. **notification** [BF08]. **Novel** [HS16, DDYM99, GJXJ03b, GXJJ03, JXG+02, LBJ03, OMCB07, WLZ03, WLRZ03, WBB02, YW06]. **November** [LGMF14]. **NOWs** [LL98]. **NRE** [KZVT17]. **NRICS** [XX00]. **NSDR** [PP09]. **NSX** [PPS+18]. **NT** [Vog99, Vog00, PS96, WH99, YD02, ZWZ01]. **nucleus** [Bro76]. **nuggets** [Fle07]. **null** [KKN00]. **NUMA** [BFS89, BSF+91, CSBA17a, CF89, LEK91, SKJ+17, VDGR96]. **number** [Mit00]. **numbers** [Dal75, Tom75]. **numerical** [MP85]. **NUMP** [Yan92]. **NVM** [DK15]. **NVM/FLash** [DK15]. **NVRAM** [KKB+16]. **NVWAL** [KKB+16].

o [DBR09, And95, BJL+06, BP91, BS96, CG00, CKR08, DS09, EBP16, GNB+09, GPK+07, HF08, HXL01, ID01, KMN+16, Lak85, LSP07, MDK96, NTC+21, OD89, PSMB16, PSK08, RB24, Rus08, Ste97, VW08, WLRZ03, WBB02, XLDB09, dBB08]. **O-intensive** [NXQ05]. **O2S2** [RS08]. **OASES** [NG09]. **Oasis** [MVKA06]. **Object** [Gir82, SJ95, DFS00, GKL95, HF08, HM90, HM93, HLFZ97, JZZW02, JMK+08, KCD+81, Lac00, LC93, Lux95, MS91a, Nut94b, OLS85, PKW81, RS08, SDP+00, Smo95, Svo81b, Taf82, TCH+91, YD96, YTM+91]. **object-based** [HF08, KCD+81, RS08, Taf82]. **object-oriented** [GKL95, HM93, HLFZ97, JMK+08, Smo95, Svo81b]. **objective** [NSKS11]. **Objects** [BW95, TZZ+18, BNOW93, GPR87, Lor86, SZ98, SMBA10, VBHN10, Her92a]. **Observability** [VFP22]. **Observations** [Lau81, Pow89]. **obsolete** [Wai98]. **OceanStore** [KBC+00]. **Off** [WM16, MSC+06]. **off-the-shelf** [MSC+06]. **Offering** [LZJ03]. **offline** [PRD10]. **offload** [yKR06]. **offloading** [VM07]. **offs** [MSP98]. **oil** [KSDC14]. **old** [BKP+12, Syv96]. **old-world_sky** [BKP+12]. **Olle** [Had85]. **OLTP** [TPH12]. **OMF** [ROJS09]. **omission** [LB91, SLM11]. **On-Chip** [ACAAT16, KBK02]. **on-demand** [FGBA96, LGN07, PB08, VM07, YGG+03]. **on-line** [DH95]. **On-the-fly** [Jin99, CWS06, Kep91, SZD+08]. **once** [FC87]. **One** [UJE+22, CCK04b, CHY05, GS89, HV92, LW04, LC04a, MA91]. **one-time** [CCK04b, LC04a]. **one-way** [CHY05, LW04]. **Ongoing** [Sal74]. **Online** [PK96, Svo73, WZWZ10, ZFP+21, BM06, LSS04, WJMC04]. **only** [CMSK07, FR85, GS89, Lam00, LS94, SBL00, Sal00, SGT96, TSE+00]. **ONR** [MM92, MM93]. **ONTAP** [DVS12]. **Ontario** [San86]. **onto** [LBvH06]. **Opal** [CBHLL92]. **Open** [AC23, BMF+16, BYV08, CJR87, GHP+08, HCZ98,

Mah94, SY96, WS06, CKMV99, TSP17]. **OpenBSD** [DIN05]. **OpenPiton** [BMF+16]. **OPENSIG'98** [CKMV99]. **operate** [SAL20]. **Operating** [BIYC06, BCC+94, BK08, Bre08, Bru86, CCS+16, CJ75, DDOL16, DK15, EMS09, EMSPS11, Fle83, GF15, HBG+06, JBW+87, JM95, KBC94, LaR92, Laz92a, Laz92b, LE00, Lis72, Mat06, Mat07, NBW87, Sat99, SHP+16, Sha95, VDGR96, Wai83a, Wai86, WAB+89, Wil94, WLP75, ZH19, dSBP11, dV96, dSM16, AYK08, AMPS73a, AMPS73b, AMPS74, ARS89, AEG+91, AEE+94, Als72, ALBL91, Ant90, ACT94, Atw84, AMO+12, ATSS09, BFSG94, BR09, BAD+11, BL75, Bec90, BSP+95, BCE+95, Bla91, BW95, BC01, BP91, BDR97, BBH96, Cab90, CE88, Cha90, CIL93, Chá91, CB93, CEC+95, CNC+96, CGL+08, CMMS77, CD95b, CL95, CYC+01, CB95, CS00, CLDA07, DKW+06, DRSK89, DH73, Del80, DS80, Dij05, Dim98, DBRD91, EKV+05, EW76, EVvdW89, ESB+06, EKO95a, EKO95b, FM98, Fle81, Fra80]. **operating** [Gai72, GPV04, GS89, Gor87, GGV96, GC96, Gue88, HPG00, HV08, Han83, HP93, Har88, HRU75, HZ09, HH89, HH08, KCD+81, KKS89, KSP09, Kee79, KS85, KS92, Klo80, KSLA08, KAR+06, Küh04, LN79, Lau81, Les04, LMM93, LTCA89, LJS+02, LWMX05, Lio78, Lit88, LF13, LZ03, MA79, MR07, Mat04, McD00, Met82, Mil78, MP81, MS00, MPHD06, Moh78, Moo92, MP96, MM91, NIDC02, Nee72, Nes82, NB00, NV06, OMCB07, Ous81, PV95, PBR+08, PS01, Pra87, PC75, PAB+95, RR81, Rat87, REL00, RLB08, Rip03, Rob98, Rob08, RPM97, Ros94, RBH+95, Ros06, RHP+07, Sch95, SSS01, Sil83, SF80, SPF+07, Spi94, SR89, SDE85, SAF07, SXZ+88, SETB08, Taf82, TH94, TM81, Tan87, TS06, TLL94, TKP+08, TBM+06, TLL03, Tur87, Tur80, Van06]. **operating** [Var72, WH99, WV02, Wai98, WB07, WPE+83, War76, WDA+08, WPLP85, Wel95, WA09, WMH72, WABL93, XDC+95, YTM+91, YTR+87, Yuv76, ZELV02, ZDP83, ZLX01a, ZLX01b, dOS08, vRvST88, Her92b, Jef92, Mat10, Pet76]. **Operating-System** [AVN+16]. **operation** [BM99, DB97, EKF+14, JR05, KS91a, KS91b, TC96]. **operational** [CJM+75, DKW+09]. **operations** [LGN07, MPF+06, Spe81, Vog97]. **Opportunistic** [KMK16]. **Opportunities** [DW07b, JSS+15, WTB10, HZ09, VAK+11]. **Optimal** [Car94, Sch73a, Bor92, CK86, ELG95, LML00, Tem98, LSH03a, LSH03b]. **optimality** [SS83a]. **optimism** [Cri94]. **Optimistic** [Her87, KPR+08, PAB+95, JZ91, MT85]. **Optimization** [ASR+17, KZVT17, dGdB10, FL77, GN96, JTG+00, LE96, OKN02, dOL12, SFS13, TACT08, ZCSM02, ZWG+97]. **Optimizations** [UJE+22, CMT94, DS06, KMC02, LRW91, OA08]. **optimize** [FHL95]. **optimized** [PSMB16]. **optimizer** [WBR+12]. **Optimizing** [Fab98, NCL12, RHR+17, SCP+02, VBHN10, YZG+11, KGS06]. **orchestrated** [RSEW04]. **order** [DFS00, Le98, RGAB98, SL98]. **Ordered** [HTW01, BBE+11, Bir94, CR75, CS93, Coo94, Oes91, Toi92]. **Ordering** [LSMB16, AN02, Das92, EDP06, TFC99]. **Orders** [BNE16]. **ordinary** [HS96]. **Org** [SLD15]. **Org-Mode** [SLD15]. **organization** [BC91a].

organizations [JM98]. **organize** [Jan81]. **organizers** [BY08]. **Organizing** [Mog09, Pon97, BC06, CM06, PJDL06, ZS06]. **Oriented** [BS15, Rei92, BR09, Che85, CBC+08, GKL95, HM93, HLFZ97, JMK+08, Mah94, Mal10, PPO14, RR81, Smo95, Svo81b, TCH+91, TNA12, WL09]. **Orphan** [Aba93]. **Orthogonal** [Dru92]. **OS/network** [Pet93]. **OSCL** [Ens75, Sib76]. **OSCL/OSRL** [Sib76]. **OSes** [SLQP07]. **OSKit** [FBB+97]. **OSL** [Als72]. **OSL/2** [Als72]. **OSP** [KS92]. **OSR** [Küh99]. **OSRL** [Sib76]. **other** [Mat10, MMTW10]. **Our** [HBB13, Spi74]. **Ousterhout** [Wai83a]. **out-of-band** [PBYH+08]. **out-of-core** [MDK96]. **out-of-order** [Le98, RGAB98, SL98]. **out-sourcing** [NBB09]. **output** [BP91, FO72, Har88, MP89]. **overbooking** [USR02]. **overcome** [ID01]. **overhead** [BKP+96, HC04, HGR07, KC94, RRP06, SGT96, SS94]. **Overheads** [KSCK17]. **overlap** [PSK08]. **overlapped** [AN02]. **Overlapping** [KCLZ98]. **overlay** [ABKM01, BCRS10, CDG+02, MVKA06, NPB06]. **overlay-aware** [MVKA06]. **overlays** [GHW07, Gor06, GHP+08, JAvR06, LCH+05]. **Overshadow** [CGL+08]. **Overview** [Bod11, DO09, NB00, Sub11, WLP75, BBBAN04, Fiu06, SJL+87, TM81, VT01]. **ownership** [SS94].

P [AUW08, KLS08, Kot88]. **P.R.O.S.E** [Van06]. **P2P** [BC06, MNP07, MXXC05, PG06]. **P416** [BD17]. **Pacific** [HKPvR16]. **packages** [OT95]. **packer** [MRA87]. **Packet** [KPS+16a, LBJ03]. **packet-pair-based** [LBJ03]. **Page** [AW17, ALM+18, CB17, HC92, KYP+17, LER+17, MT17, BJ81, BSSM08, BAM+96, CFL73, CDV+94, CNV+06, JM98, Kai75, LFZE00, Lie94a, LE96, Sad75, THK95, WTLS+09, ZPS+04]. **page-based** [CNV+06]. **Page-Cache** [HC92]. **page-referenced** [BJ81]. **paged** [BBMT72, RTY+87, Tan79]. **Paging** [SKB+17, BJ81, BAMM77, cCVP99, CVP00, Fog74, Pot77, Sch73a, Smi78, WMH72]. **Pair** [MCXS16, LBJ03]. **Pallas** [HABZ17]. **Panache** [AEH+08]. **Pandora** [Hop90]. **panel** [Bak95, Laz92a, ST93]. **Pangaea** [SKKM02]. **panic** [SSR+10b]. **Paper** [Dou09, SRS22, Bac91, Bir91, FNRC+07, Küh99, PM03]. **Papers** [CM14, CM13, VZ14]. **paradigm** [AMS+07, Sal93, SR89]. **paradigms** [BHJ+93]. **Parallax** [hTMAC+08]. **Parallel** [HJrCH16, JXT93, LHPL87, PKB+16, Wei92, AEH+08, BM91, BF87, BS89, BBH96, CPdM+96, CKmWH16, CAL+89, DMD13, EBP16, ELG95, HdRC95, IBY+07, KRS97, KTP+96, Klo80, KN96, KKFB11, KSS+96, LRV94, LJX97b, MT02, MM92, MM93, NSKS11, Sop84, WK08, WCE+92, XXMC05, vEBBV95]. **Parallelism** [JHK+16, ABLL91, CSS+91, FURM00, GTA06, KPR+08, Led97, LBF+98, TPO06, Wal91]. **Parallelization** [WZWS08]. **Parallelizing** [NPCF08, HDH+94]. **Parallizable** [LKKY03a, LKKY03b]. **parameters** [EJD13, MKL+19, RR72]. **Paravirtual** [KMN+16]. **ParFiSys** [CPdM+96]. **parity** [AR07, GC12, LK91]. **part** [Lau84]. **Partial** [DFS00, RRP06, SP00, Shi00, WYC03b]. **partially** [BBE+11, CR75, DB97]. **Partition** [LLS+08, BDMS98]. **partition-aware** [BDMS98].

Partition-based [LLS+08]. **partitionable** [BDM97, MDB01]. **partitioned** [Van06]. **Partitioner** [HDGP21]. **Partitioning** [LZ03, BJL+06, CK86, CLM+07, CR72, DS73, KPR+08, PB09, SF12, WH99, ZZNM01]. **Party** [Ng99, JW01, LSH00, XZZ98, ZLX99]. **PASCAL** [FL77, Hei78, Kru82, Löh77, SB78]. **PASIS** [Kil00]. **passé** [BC10]. **Passing** [Yan92, CLR94, Cha90, HGDG94]. **Passive** [MMN08, MMB96]. **Passthrough** [XD17, XLDB09]. **Password** [LSH03a, LSH03b, CC04, CCK04b, DH95, Gai78, KLY03, KTC03, KCL03, Ku04, KCC05, LFW04, LC04a, Sco04, Sin85, YW04, YS02]. **past** [ES10, JKDC05, Lam00, RD01]. **Pastiche** [CMN02]. **Pastry** [Her07]. **patches** [MPLH06]. **Path** [HABZ17, MCXS16, CCB+06, DB00b, SEP98]. **paths** [MP96, PHYO96, Won93]. **Pattern** [AWS16, JV21, SCM05]. **Pattern-Aware** [JV21]. **Pattern-Recognition** [AWS16]. **Patterns** [PKB+16, BRR+00, MMN08]. **Paul** [Wai86]. **Paxos** [HMS17, MBD+12]. **payment** [SH00]. **PC** [Fos87, Kad95b, SJL+87]. **PC-XINU** [Fos87]. **PDAs** [Neg00]. **PDF** [Wai97a]. **PDP** [BBMT72, HB80, MA79, PK75, Ros78]. **PDP-10** [BBMT72]. **PDP-11** [HB80, MA79, PK75, Ros78]. **PDP-11/45** [HB80]. **Peak** [CDY+17]. **peephole** [BA06]. **Peer** [HKL+06, AC06, BL03, BCRS10, CDG+02, CCAP06, GC08, Gor06, HB06, MPHD06, MMGC02, RD01, COS+08]. **peer-to-peer** [AC06, BL03, BCRS10, CDG+02, CCAP06, GC08, Gor06, HB06, MPHD06, MMGC02, RD01, COS+08]. **peering** [YLE02]. **PeerReview** [HKD07]. **Pegasus** [LMM93]. **penalty** [KT91b]. **penetration** [HGB+80, WAC+81]. **perceived** [MCD+08]. **PEREGRINE** [JV21]. **Performance** [Acq16, BC91a, Chu75, CKN+19, DLLN18, DDK+16, EAS+17, FPG89, GZH+19, GLD+22, GGH91, HO91, HP95, KPL99, KPS+16a, KPS+16b, LK91, LLD+04, MRH+21, MT17, NSKS11, NXQ05, OBSR16, Per92, PW93, RHR+17, RP07, RGAB98, RB24, Ros78, SHW+15, SJS+23, SEF+16, SN94, SB89, Svo81a, TNNI87, VGR98, WP91, WKT+13, Wei98, ZH16, ZHK06, ZIL96, vRvST88, AWW08, And95, ATSS09, BvS00, BSP+95, BITW07, BMR+09, BBM09, BS96, BMER14, CPW07, CBZ91, CB93, CEC+95, CZ83, Cla87, DV87, Des10, Duc89, EDP06, EWCS96, ENCH96, EEKS06, FURM00, FM02, FD10, FdAM14, FJLC98, GKL95, GLC99, GJXJ03a, GKS11, HLR98, HdRC95, HHLS97, HKO+94, HKM+87, HHS05, IKWS92, JBDP08, JMK+08, JKW95, JKH+00, KEG+97, KLS+10, KMSV10, KEP07, KN96, KF09, LRW91, LKB91, LB06, LKvR+99, LKvR+00, LSA+00a]. **performance** [LSA+00b, LT11, MB93, MCD+08, MRC+97, MDO94, MA10, MW75, MUKX06, Mil92, MB91, MP91, NSS10, OCLN14, OAE+09, PG96, PBH+07, PHYO96, PS96, PG03a, PN00, RS00, RLV+96, RBH+95, Sad75, SATG+07, SBL99, SBL00, SLN00, SLN99, SB10a, SPF+07, SKZ07, SQP08, SPR00, Svo73, TH94, Tem98, VW08, WSG02, WVS+99, WVS+00, WSH94, YZJ02, YW06, ZG07]. **Performance-directed** [RP07]. **performance-monitoring-unit-based** [KEP07]. **performance-setting** [FM02]. **PERFORMANCE'98** [Voe98]. **performances** [Zea97].

Performing [Spe81]. **periodic** [BMD94]. **peripherals** [Van96]. **permeating** [ACC+08]. **perpetually** [Kil00]. **Persistent** [GBCH00, IKK16, KPS+16b, LZC+17, NHH+17, SKB+17, GPR87, JZZW02, KBC+00, ONG93, RD01]. **personal** [CN07, CEC+95, Han83, LBP+07, RCC01]. **personality** [CCW+11, Neu00]. **personalized** [FS08a]. **perspective** [Fle83, HH89, JKL+13, Lev07]. **perspectives** [KSP09, MA10]. **Pervasive** [KDL+16]. **pessimism** [Cri94]. **Petal** [LT96]. **petascale** [BIYC06, OVS+06]. **Peterson** [HV92]. **Petri** [Nut94a, Kos73]. **PFF** [Sad75]. **Pharos** [VFP22]. **Phase** [DHK+15, KSDC14, MA91, SZD04, SS00, AN02]. **phenomenon** [BGMP79]. **philosophers** [Ran82]. **philosophy** [Bro76]. **phishing** [RSW08]. **Phone** [DIS19]. **phones** [PS09]. **Physical** [HC92]. **Physically** [Zha23]. **PicoServer** [KDS+06]. **PICSEL** [MCD+08]. **PIFT** [YSCC16]. **pinning** [SKI08]. **Pioneer** [SLS+05]. **pipe** [KRS97]. **pipeline** [GTA06, YZJ02]. **pipelined** [MSB+02, WS87]. **pipelines** [SCP+06, SRA+04]. **Pipelining** [Cla87]. **PipesFS** [dBB08]. **PL** [Mac77]. **PL/I** [Mac77]. **place** [BHB+08, SCM05]. **Placement** [FVDS20, PR15, APGG00, CKJA98, LK91, TGR+21]. **Plan** [CJM15, Svi83, Gan08, PPT+93]. **Planet** [XDM+18]. **Planet-Scale** [XDM+18]. **PlanetFlow** [HBP06]. **PlanetLab** [ATSV06, Fiu06, MPF+06, PP06, PR06, SPBP06]. **Planning** [HCZ98, Svi83, Tug83]. **Platform** [BCR+14, LSV+19, PPS+18, RWS+15, VFP22, AUW08, BBD+10, KL07, Lac00, NSS10, PG03a, PG03b, RA07, Sha00, VBHN10, WCW+04, YZG+11, YD96, ZLL+07]. **Platforms** [BSR+15, VMM20, DPW+09, NV06, RA06, SK13, SZII11, USR02]. **platinum** [CF89]. **PLOS** [EMS09, EMSPS11]. **PLUS** [Hol88]. **plush** [ATSV06]. **PM** [BS89]. **pocket** [BBD+10]. **point** [LKB91, SB10b]. **Pointer** [SB10b, DS06, KKN00]. **pointless** [DKK10, SB10b]. **points** [GKS11, WV02]. **Policies** [Mog08, BSF+91, CAW08, HD12, HK99, JL75, KL98, KPL99, Küh99, LJY04, Pot77, RN00a, RN00b, SAG06, TS06, TP72]. **Policy** [LCC+75, Wai95b, GBZP10, LWMX05, MP85, NTHAB22, YVM13]. **Policy/mechanism** [LCC+75]. **polling** [DTR01, RN93]. **polycyclic** [MSAD91]. **Polynomial** [Ull73, DSGP05, LFW04]. **pool** [LML00, Str12]. **pools** [Pea89]. **poorly** [LGSN89]. **Porcupine** [SBL99, SBL00]. **Portability** [CE88, MS91a, Moo92]. **Portable** [Wei92, Car94, CMMS77, Kep91, KS95, Mil78, PCH+14, Rya98, Rya99, WDH89]. **Position** [Bir91, Bac91, FNRC+07]. **Positional** [SRS22]. **Possible** [RB24, Bel75, DS92]. **Post** [HDG09, Wit16]. **Post-copy** [HDG09]. **Post-ISA** [Wit16]. **poster** [Cec00, CG00, Kil00, LSA+00b, RN00b, Yu00b, dLWZ00b]. **PostScript** [Wai97a]. **Potemkin** [VMC+05]. **Potential** [TZZ+18]. **Power** [BLI17, CDY+17, DIS19, LFZE00, WWGF08, ZH16, BSL08, CJS+09, DB11, EKM04, EKF+14, GPV04, KLS+10, KS95, LB06, MB06, NS07, PS01, RRT+08, SQP08, SBH+10, WTB10, Wel95]. **power-efficient** [SQP08]. **powered** [RJK+14]. **Practical** [BC08, FXZ+17, GLD+22, HFC+06, KJH+11, Lit87, MGT+17, NIDC02, Nut94a, VMM20, ZJL17, DBR09, FRL00,

Fog74, GAT13, HKD07, LSH01, SNV10, WMI+07]. **practice** [LABW91, OSV86, Woo73, Lig94, Lig95]. **practices** [SPBP06]. **pragmatic** [BMW02b, MPC+02]. **praxis** [Bro76]. **pre** [CM75, KY02]. **pre-execution** [KY02]. **pre-specified** [CM75]. **Precise** [CYG+17, GMM98]. **Precision** [MCGL17, MPPZ87]. **predicates** [JKDC05]. **predication** [JMK+08, RSEW04]. **Predictability** [GZH+19]. **predictable** [JRR97]. **Predicting** [JHC+11, TGR+21]. **Prediction** [CYG+17, JHK+16, AVZR11, CCM96, CPT08, DB00b, KAI+13, LB06, LJS+02, LWS96, RRP06, SZD04, STM+07, SEP98, SKZ07, YS94]. **prediction-based** [RRP06]. **Predictive** [Mil90, SS06, YSCC16, ÏMC+06]. **Predictor** [BSMF08]. **predictors** [SJSM96]. **Preemptable** [TLC85]. **Preemption** [WLZJ17, ET05]. **Preemptive** [CYMT16, CYG+17, BM90, FPG89, KL98, KPL99, Küh99, LS75]. **Prefetching** [Bha17, CKP91, CLS06, CG00, CHV04, CJG02, KTP+96, LSP07, LM96, MDK96, PGS93, PGG+95, RSEW04, RMS98]. **Preliminary** [Che85, FW77, NN75]. **Prelude** [Wei92]. **Prentice** [Sta83, Wai83b]. **Prentice-Hall** [Sta83, Wai83b]. **Pres** [Wai83a]. **presence** [Ram00]. **present** [Bas12, BCC+13, JKDC05]. **presentations** [Laz92a]. **Preservation** [BDF+15, FNRC+07]. **Preserving** [BJKT15]. **Press** [Had83, Woo85]. **Prevention** [HMK20, Dim98, Lev05, New79]. **primitives** [AL91, BGHL87, Har82, Kno74, Kno75, Kot88, MC11, Kos73]. **principal** [ZL04a]. **Principle** [LE00]. **Principles** [SHW+15, CB95, GS78, PR06, SHN+85, Wed88, BK08, Bre08, Laz92a, Laz92b, Pet76]. **Printers** [ASR+17]. **Priority** [BC83, DS92, LLK96, Mil92]. **Privacy** [BJKT15, LSV+19, Car94, CCM08, WK05]. **Privacy-Preserving** [BJKT15]. **Private** [LSV+19, DS90, WH08]. **private-key** [DS90]. **Privileged** [MPF+06]. **Proactive** [SLFP16]. **probabilistic** [CR75, DS06, XFO08]. **Probability** [Sta83, Tri82, Tri02, Wai83b, Ell73]. **Probes** [YN15]. **problem** [BRR+00, BL00, Che85, Gai78, HS88, Hil92, Lip75, Lis77, MY98, Par78, PCP00, RD97, Sei90, SRH+06, Wet78, YLW+06, Zöb83, GB01, JR05]. **problem-oriented** [Che85]. **Problems** [SDE85, Aba93, BDDMR11, Bel75, FD10, HC95, KXD00, Lam85, Rou84, Sal78b, Ull73, WB86]. **procedure** [ATK92, BALL89, BN83, Coo86, TA90]. **Procedures** [Wai86, Boc75, Opd75, dGdB10]. **Proceedings** [OST83, San86, Fêa83, Had84, Mat10, OSV82, OSV86, Sat95, Sat99]. **Process** [DB00a, Eas72, FG91, Ger77, KSCK17, Lom77, PM83, RS02, Rus77, TG89, Var72, ZL86, AYK08, AM77, BR09, BW01, Che75a, GW04, GLG93, HBD95, HL92, How72, Jan75, Kno74, Kno75, Lau84, Nut94b, RH97, SK96, Smi88, ST01, Svi83, Won93, Zay87]. **Process-based** [DB00a]. **process-oriented** [BR09]. **process-resource** [SK96]. **processes** [ACG86, AKS73, DB99, DB00a, EKV+05, Hab72, HAF+07, ML85, MV86, PR83, PL95, Sch95, SBB86, Woo73, Yue85]. **Processing** [DDM+18, KPS+16a, TZZ+18, VTGH17, WYD+21, ZFP+21, AD99, AD00, Bas72, BJL+06, BP91, CPW07, Cas91, CFR98, Cri94, DB96, Ful73, GB93,

GP95, KKFB11, MLB83, Mil90, Oli90, Sop84, Svi83, Tug83, VBLM07].
Processor [GCJ17, KTG+17, Kru82, SKJ+17, ZSG+17, AM87, Bas72, BJL+06, BB75, CLC05, Cla87, EKM04, HS91, HF08, LKB91, LBvH06, NL95, RK11, SL98, SSS01, SDV+87, ST00, VZ91, WCW+04, vdWMH11].
processor-based [WCW+04]. **Processor-Interconnect** [SKJ+17].
Processors [AWS16, ALM+18, CDY+17, MT17, ATSS09, FJLC98, GCTR08, HZ09, MA06, MSF85, PRAH96, RGAB98, RPNT08, SCL96, SF91, SKPG01, SPR00, WZWZ10, WL09]. **Procrastination** [PG16].
Procrastination-Based [PG16]. **produce** [Cri94]. **producer** [Hil92, RB75, Rus77]. **producer-consumer** [RB75, Rus77].
producer/consumer [Hil92]. **product** [KGS06]. **product-line** [KGS06].
Production [ZJL17, TLH+07]. **Productivity** [Wit16]. **Professional** [Bar14, Gra14, Tet14]. **Profile** [UJE+22]. **Profile-Guided** [UJE+22].
profiling
[ABD+97, CL87, CCZ07a, DB00b, HC04, KEP07, USR02, ZWG+97].
Program [BS15, Fle07, KTG+17, VSST16, BSL08, DV87, DK75, ELG95, GMM98, GN96, Isa08, Lov77, Mas87, Mas77, MCC+06, RR72, RD87, SV06, SMTZ09, SPHC02, SLZD04, TPO06, Won93, XFO08, ZZNM01].
programmable [EKO95b, NMS+00, WDA+08]. **programmed** [MSR77].
Programmer [Wit16, SGN85]. **Programming**
[AWS16, BBB+17, BS15, BD17, CKmWH16, EMS09, EMSPS11, EMZ+16, HCW+04, KMC02, LL16, Wai94, Zho16, AUS98, AH77, BC91b, BF87, Bos06, CM87, CAL+89, CBC+08, Den74a, Den74b, DBMZ08, DMB87, Dos88, EFL07, Fou74, Fra95, FW77, Gan77, GA98, GCTR08, HPM93, HFWZ87, Her77, HEKSP11, LCWM08, OB86, QPP02, Ric88, Ros95, Taf82, TMW10, Win08, Wir77, Wir87, Won93, Zel74]. **Programs**
[JCY+19, NP17, SLFP16, AGB+77, AL91, BAMM77, BM91, BH81, BMP+04, BB75, CLR94, Coo85, GTA06, Gue87, HS96, IBY+07, KCLZ98, MP85, NAR08, RG02, RK83, SBN+97, SP00, Shi00, SLTB+06, Wag98, Yue85, ZL86, Wei92].
Progress [DB99, Laz92b, MLB83, WS92]. **Progress-based** [DB99]. **project** [AD07, AMO+12, BBH+00, BC91b, BDH07, HPG00, MLB83, Nee77, SMS11, SCS77, AUW08, Neu92, Pas92]. **projects** [KS92]. **Prolog** [BCDN87].
promise [Bir07]. **promote** [WK05]. **pronged** [Rob08]. **Proof** [Hof90, How82, AB82]. **Proofs** [EPG+20, SAL20]. **propagation** [LRS+08, PST+97]. **Properties**
[DS72, ZSG+17, BH75, BH81, Buc77, CC77, Hol72, TFC99, XZZ97].
property [BC83]. **PROPHET** [WL09, CYG+17]. **proportionality** [GBG+10]. **proposal** [GP05, Kno74, Kno75, LK08, Rou84]. **proprietary** [VE08]. **ProRace** [ZJL17]. **prospective** [OB86]. **prospectus** [NN75].
protect [WK05]. **protecting**
[JS08, KJS+06, LJY04, PGZ08, ZJS+11, ZZP04]. **Protection**
[AYQ+16, CJ75, Dru92, Gai75, Hog88, HM93, Lam74, MMT16, Oli90, Rip03, Sal73, Var97, WFHJ07, Wel88, AH77, CGL+08, cCVP99, CVP00, Coo78, HRU75, HvE02, Her78, HFC+06, Les04, LC93, NW77, Nes82, O'S92, Sal74,

SS72, SCP+06, Sny77, TSLBYF08, WCA02, WRA05, Bis81]. **Protectit** [KSLA08]. **ProteusTM** [DDK+16]. **Protocol** [MB93, BO99, CC97, CCK04a, CC04, CC05, Che04, CWL05, CCEH00, DDYM99, Das92, GB93, GP95, KTH89, KC95, KLS08, KSL92, KTC03, LCTK01, LKKY03a, LKKY03b, LW04, LH04, LHL04, LSH03a, MY98, PG96, PCP00, PFGD02, Syv96, WYC03a, WK05, WL94, YS02, ZWWL01, ZL04b, KvRvST92, LSH03b]. **Protocols** [Ng99, ADG+07, ABC+98, BBFH07, Bir07, Boc75, CK86, CH07, DB75, HB06, JW01, LSH01, MP75, ML85, PS98, SHT97, SS94, SM89, SW00, Syv93, Toi92, XZZ97, XZZ98, ZLX99, ZL04a, ZIL96]. **prototype** [ZG07]. **prototyping** [WBC+83]. **Provable** [HMK20, VMM20]. **provably** [ZLX01b]. **prove** [TFC99]. **Provenance** [MRS09]. **provide** [BC06, SLQP07]. **provider** [BWV+12]. **providers** [BK12, SG10a]. **Providing** [BDS+09, GC08, ST93, Nut94b, TS06]. **Proving** [BH81, FLR77]. **Provisioning** [DK16, AC06, Edi13, GSM08, PPO14, WL09]. **proxy** [RCC01, SFW99, Son05, WVS+99, WVS+00]. **proxy-based** [RCC01]. **Prudent** [PG16]. **PSI** [TNNI87]. **Public** [ELR15, CJ05]. **publications** [Mat10]. **Publisher** [Wai97b]. **Publishers** [Lit87]. **Publishing** [Had84, Had85, San86, Wai86, PP83]. **Pulse** [ZFP+21]. **pup** [Fle81]. **Puppeteer** [dLWZ00a, dLWZ00b]. **purging** [BC08]. **purpose** [DC99, DC00, FIM+11, GCTR08, TPO06, WH99]. **PUT** [HDH+94]. **PUT/GET** [HDH+94]. **PVM** [DDYM99, IvdLH+00, JW96]. **Pyr.mea.IT}** [ACC+08]. **pyramid** [ACC+08, TNA12].

Q4 [Bel10]. **QoS** [BC06, CEV00, CYMT16, CYG+17, GC08, GP95, Mal10, MCR+09, WlL01, WL02, ZE16]. **QoS-oriented** [Mal10]. **Quality** [Gwi05, LSV+19, PAM+16, CEV00, KK84, McD00, NCL12, Neu00]. **Quality-of-Service** [Gwi05, Neu00]. **quantitative** [LST+06, MT96]. **quantum** [SV06]. **quarks** [JLR+05]. **Quasi** [DDYM99, ELG95]. **Quasi-asynchronous** [DDYM99]. **quasi-optimal** [ELG95]. **Queries** [JXG21, SMRD06]. **query** [GSA10]. **Querying** [CC21]. **queue** [AH80, WLRZ03]. **Queueing** [Wai83b, Sta83]. **queues** [Bas72, SCM05]. **queuing** [Gil78, Tri82, Tri02]. **Quick** [Wai97b]. **QuickSilver** [HMSC87, SW91]. **quiescent** [MR07]. **quota** [KLS08].

R [LHWY83]. **R&D** [BYVF08]. **R4600** [LE96]. **Race** [ZLJ16, ZJL17, PK96, SBN+97, XHB06, YRC05]. **RaceTrack** [YRC05]. **Raft** [HSMC15]. **RAID** [GC12, Jin99, KBPM10, OCLN14]. **RAID-based** [OCLN14]. **railway** [BRR+00]. **Raj** [WP91]. **Ralph** [Bla95, Wai97b]. **RAM** [Riz97]. **Rambus** [MSP98]. **RAMClouds** [OAE+09]. **RAMpage** [MSP98]. **Random** [ZS06, MCM07]. **ranking** [Dou09]. **RAPID** [AWS16]. **rapidly** [AIKS00, BSM+12]. **rate** [BMR+09, UHMB94]. **rather** [Sat00]. **rating** [Dou09]. **ratio** [ZPS+04]. **raw** [LBF+98]. **RCU** [MFBWW20]. **RDR** [CLC05]. **re** [DSBK04]. **re-execution** [DSBK04]. **Reaching** [WYC03b]. **Reactive** [LA94, MW92, MW91]. **read** [EM89, Joh91, MMGC02, WL82].

read-mostly [EM89]. **read/modify/write** [WL82]. **read/write** [MMGC02]. **readahead** [WXX08]. **reader** [Sei90]. **readers** [KL98, KPL99, Küh99]. **ready** [SLCG89, SSR+10a]. **Real** [BHD19, GF15, PS01, SZG91, TL96, Zha23, AGM93, BL75, BH81, BC91b, BC01, CMMS77, DRSK89, DS92, FPG89, GP95, GS89, Gup01, HLFZ97, KKS89, LTCA89, LSA+00a, LSA+00b, LPSZ08, MW91, Mil92, MPC+02, NMS+00, NCL12, OT95, PN00, PC75, RLB08, RPM97, SN94, SZ92, Sor73, SR89, TM89, Wai95a, WAB+89, WPC12, Wir77, YS98, Zea97, ZPS99, ZPS00, FPG89]. **Real-Time** [GF15, BHD19, PS01, SZG91, TL96, AGM93, BL75, BH81, CMMS77, DRSK89, DS92, GP95, GS89, Gup01, HLFZ97, KKS89, LTCA89, LSA+00a, LSA+00b, MW91, Mil92, NMS+00, NCL12, OT95, PN00, RLB08, SN94, SZ92, Sor73, SR89, TM89, Wai95a, WAB+89, WPC12, Wir77, Zea97, ZPS99, ZPS00]. **REAL/IX** [FPG89]. **realities** [SPBP06]. **Reality** [Wit16, Wet99, Wet00]. **Realize** [WlL01]. **reallocation** [Ger72]. **Realtime** [Gwi05]. **rearranging** [KT91b]. **Reasoning** [FVDS20]. **Reassignment** [WM16]. **ReBudget** [WM16]. **receiver** [DB96]. **Recipient** [Bar14, Gra14, Tet14]. **Reclamation** [PG16]. **Recognition** [AWS16, KKM+06]. **recognizers** [LOM+09]. **recollections** [Dij05]. **recommendations** [MPP+08a]. **Recommending** [VJ19]. **reconfigurable** [RA06]. **reconfiguration** [RS91]. **Reconstructable** [RHMR15]. **Reconstructing** [GFPcF08, KTG+17]. **reconstruction** [Jin99, VM07]. **Record** [MGT+17, LWQ09]. **Record/Replay** [MGT+17]. **recorder** [LBP+07]. **Recording** [NPC06, XHB06]. **Recoverability** [MF75]. **recoverable** [SMK+93]. **Recovering** [VM07, RK11]. **Recovery** [GB01, HMSC87, VTGH17, AM85, Bac91, Boc75, CW92, CJ05, COS+08, DB85, Dim98, GPF+05, GLL04, JSDG08, JZ91, KBB+06, Lei89, Lom77, MSF85, PW98, Wal73, Wei85, ZWZ01, ZWZ05]. **Recursive** [SSK17, BH75, FHL+96, LM96]. **redesign** [CHV04]. **redirection** [WPP02]. **REDSPY** [WCL17]. **Reduce** [JHK+16, BSL08, ECS73, SS94, Ste97, WLRZ03]. **Reducing** [CG94, JFV+96, KT91b, KS95, LGSN89, SPHH06]. **reduction** [HCJ07, XHB06]. **redundancy** [FES09, Rom93, YW06]. **redundancy-based** [YW06]. **Redundant** [O'S92, PSG06, RRP06]. **Reed** [RD97]. **Referee** [Pet76]. **Reference** [MCXS16, AKS73, EGE02, PLH98, SZ98, Wol02, Wai97b]. **referenced** [BJ81]. **refill** [JM98]. **Refinement** [STW95, BR09, GBZP10]. **Reflection** [OT95, Str93]. **Reflections** [Bar14, Gra14, Sil83, Tet14]. **ReFlex** [KLK17]. **Refloated** [HSMC15]. **Refresh** [KSCK17]. **Refresh-Aware** [KSCK17]. **Regenerating** [JKL+13]. **region** [KS82]. **Regions** [PP09]. **register** [BEH91, MSAD91]. **registers** [Che84]. **regression** [BDDMR11, LB06]. **regular** [Ant90]. **regulated** [XHB06]. **regulation** [DB99, DB00a]. **Regulator** [BLI17]. **Reimplementing** [Hag87]. **Rejoinder** [BAN90]. **related** [LPH+07, Smi78, LaR92]. **relation** [BSF+91]. **relations** [DFS00, FR94]. **relativistic** [TMW10]. **Relaxing** [Pu93]. **release**

[CGS+96b, SLM11, ZIL96]. **Reliability**
[CN07, GS13, Wai83b, BSR+06a, Gan77, GPK+07, HL92, KBPM10, LNBZ08, MSR77, OL02, PWC+81, Sta83, SSR+10b, Tri82, Tri02, WK05]. **Reliable**
[HBG+06, LB91, LGN07, OLS85, ABC+02, BVR+00, FAH+06, KTH89, LKvR+99, LKvR+00, MZWZ02, MW91, MPHD06, Oes91, Oes01, ÖGA06, PP83, SS83b, SDD+85, Svo81b, Van06, YWC04, ZLL+07]. **Relocation**
[VSST16]. **Remaining** [NTHAB22]. **Remarks** [CL04c]. **remedies** [Aba93]. **Remote** [FLM+08, KLK17, KMN+16, ATK92, BALL89, CCG95, CL04c, HL05, KC05, Led97, LHY02, LLH02, Spe81, SDH+97, TA90, TLC85, BN83]. **remote-write** [SDH+97]. **remotely** [KL07]. **Removal** [SHP+16]. **Removing** [Del80, LMG+07]. **rendezvous** [Hil92]. **RENS** [AIKS00]. **repair** [GBZP10]. **Repairing** [HBG+06]. **Repeatability** [DL15, Eid15, Fei15]. **Repeatable** [AHB15, ELR15, RWS+15]. **repeated** [Mat04, Syv93]. **repetition** [SS98]. **replacement** [Kai75, MPC08, NAR08, Sad75]. **Replay** [MGT+17, DKC+02]. **replays** [KS99]. **replica** [MNP07, ZXMJ04]. **Replicated**
[Coo85, Coo86, GHP92, BDF+15, DB85, DGH+88, EDZ07, Fra95, LGJS91, LWQ09, LAB+06, RB93, SD86, TTP+95, WB86, Yu00a, Yu00b, YV01]. **replicates** [Bre83]. **Replication**
[Bir85, LGG+91, ZSS08, EDP06, GS95, Her86, HHS05, LMV12, LLS91, PST+97, SKKM02, SAG06, YVM13, dSFdAM13]. **Reply** [How82]. **Report**
[And83, Bab91, Bac99, Bel10, CvR14, CM14, DNT10, HN12, HKPvR16, Isa08, Lev88, Mul87, SN13, Tan97, Ter14, Voe98, And87, BK08, Kah85, MvR13, MLB83, PGS93, Sch73b, SK13, Ano86]. **reporting** [CCM08]. **REPOS** [MA79]. **repositories** [SW10]. **repository** [HSK97, Svo81b]. **Representation** [Che75a, HS16, RN00a, RN00b, Gir82, Gór78, VT01]. **Reproducibility** [Fei15]. **Reproducible** [SLD15, Boe15]. **repudiation** [HLL04]. **reputation** [DY10]. **Request**
[EAS+17, Cha96, LG04, PAB+98, PKB+08, SZD+08, WPP02, dSFdAM13]. **requirement** [TL96]. **Requirements** [CDY+17, HS96, JT90, PG73]. **Rescue** [SJS+23, BW95]. **Research** [BMF+16, LaR92, Rat11, RWS+15, Sal78b, SLD15, SG14, Ten17, Wai83a, BYV08, BKP+12, Boe15, Bor92, CR12, DKW+06, DVS12, EAS07, Est02, FBB+97, GNB+09, Her10, Lam00, Lev07, LLY05, MLB83, Mat04, MW09, Moh78, NSW10, PGS93, RPNT08, Sal74, Sop84, SPBP06, WCL+04, ZUW+09, HMS17, Sch07]. **Reservation** [TLL03]. **reservations** [JRR97]. **Resilient** [ABKM01, LRS+08]. **resistant**
[QPP02, TML+00, YS02]. **Resolution**
[ZK88, Bre83, DM90, HXL01, New79, Spr85, ZL86]. **Resolving**
[Loe85, ES10]. **Resource** [Cra83, DK16, GB90, KEF+19, PPM17, UHMB94, USR02, WH99, WM16, AC06, BL00, CJM+75, CKR08, EKO95a, FS95, Fon72, GTHR99, GTHR00, GA08, LB81, RS00, RA07, ROLV06, SLM11, SK96, STYC02, VFMM08, Wal02, YGG+03, ZELV02].
Resource-Constrained [KEF+19, RA07]. **Resource-Efficient** [DK16]. **resource-release** [SLM11]. **resources**

[AYK08, AS10, CAT+01, Edi13, GG73, Lev03b, PSZ+07, WC02, dGdB10]. **Responding** [BSM+12]. **Response** [Hil94, Bir94, CM75, Den07]. **responsiveness** [WGL+08]. **restart** [BBHL08]. **restartable** [SSR+10b]. **Restore** [RS02, BW01]. **restoring** [KBB+06, XHJB99]. **Restricted** [Buc77, HK00]. **restriction** [MPC08]. **results** [RD97, WH99, ZK88]. **resynchronization** [RB75]. **retargetable** [EP94]. **retention** [ZLL+07]. **Rethinking** [DRTT24, Ott18, HL07, KBPM10]. **retrieval** [TL96]. **retrieving** [CZG+05]. **retrofitting** [CGL+08]. **retrospective** [BDH07, Wil09]. **Reuse** [JXG21, CHCmWH00]. **Review** [Bla95, Had83, Had85, Had93, Heu97, Kad95b, Kad95a, Lig94, Lig95, Lit87, Nut94a, OSV86, San86, Sta83, Tug83, Val94, WP91, Wai86, Wai94, Wai95b, Wai97a, Woo85, dV96, Bec75, Had84, Mat06, Mat07, NRS13, OSV82, Wai98, Mat10]. **reviewing** [And09]. **Reviews** [Wai83a, Wai83b, Wai97c, Wai97b]. **ReVirt** [DKC+02]. **revisited** [Cas95, Jon80, Loe89, NS87, Wet78]. **Revisiting** [DHK+15, HMS17, WY04, GKS11]. **revocation** [CV93, CM06, Var97]. **RFID** [CH07]. **RFS** [DZP+11]. **rich** [LJW+06]. **Rico** [Sat99]. **RID** [MCXS16]. **Right** [MSC+06, Den74b, HUL06]. **Right-weight** [MSC+06]. **rights** [O'S92]. **Rigor** [PWT+19]. **RIMAC** [YW06]. **rings** [SS72]. **Rio** [Sat99, CNC+96, LC97]. **RISC** [HO91, BC91a, BSUH87, Kie87]. **RISCs** [BCDN87, BEH91]. **risk** [Gon92]. **risks** [LGSN89]. **Ritchie** [vR14]. **road** [KBB+06]. **Roadmap** [CJM15]. **ROADS'09** [DO09]. **Robert** [Wai97c]. **robust** [ADG+07, BCRS10, Mit00, SKPG01]. **robustness** [LEK91, MCM07, WPP02]. **Role** [SHV01, CLC05, Dou93, HH08, KKC02, MSR77]. **Role-based** [SHV01, CLC05, KKC02]. **Roll** [GB01]. **Roll-Forward** [GB01]. **rollback** [CW92, JZ91, ZWZ01]. **Rome** [Wil09]. **Root** [Küh04]. **rootkits** [WG08]. **ROSY** [RK11]. **RouteBricks** [FIM+11]. **router** [KMC02, MKJK99, MKJK00, MSB+02, PN00, SKPG01]. **routers** [KAI+13]. **routing** [CDG+02, NPB06, SCG01]. **Rover** [JdLT+95]. **Rowhammer** [AYQ+16]. **RPC** [Fes07, FHL95, PHOA89, SB89, SADAD02]. **RT** [SJL+87]. **RTR** [XHB06]. **rule** [BP91, CM75]. **rule-based** [BP91]. **Rules** [How82, AB82]. **run** [ACT94, FL77, GPV04, NL96, TLH+07, YD02]. **run-time** [ACT94, DCZ96, FL77, NL96, YD02]. **Running** [Gue87, ZL04b, BDR97, NAR08]. **Running-mode** [ZL04b]. **Runtime** [MAHK16, NG09, WM16, XX00, ESB+06, GSA10, Le98, WDH89]. **Russell** [Bla95]. **Rust** [BBB+17]. **Rx** [QTSZ05]. **Ryu** [KCC05].

S [Sta83, Wai83a, Wai83b, dV96, CG85, MC96]. **S.** [Küh99]. **S/KEY** [MC96]. **S/Net** [CG85]. **SaberLDA** [LCCZ17]. **Safe** [NL96, cCVP99, CVP00, CLDA07, QTSZ05, WKL07, GA98]. **Safe-Tcl** [GA98]. **Safety** [BBB+17, BSP+95, DBMZ08, HAF+07]. **Sage** [LSV+19]. **Sampling** [Ser21, BEL+00, ZS06]. **Samurai** [PGZ08]. **satellite** [CC05, HYS03]. **Saving** [DL15, HD12, XHJB99]. **saving/restoring** [XHJB99]. **savings** [YN12]. **Scalability**

[Acq16, KMK16, RHR+17, VYW+02, VMC+05, GTSS11, SATG+07, SJ05]. **Scalable** [DSBK04, Dub00, GPY+17, HJ10, HNK+17, LCL+16, LX00, NPB06, NP17, RLD+17, Ser21, TMW10, AEMGG+05, AMS+07, BMBW00, BCRS10, BDR97, CKA91, EDP06, FGC+97, Gup05, JZZW02, LL98, NLO95, OAE+09, PP06, PNT06, RD12, SBL99, SBL00, SPF+07, SG10b, TML97, TNA12, Uhl07, WCB01, WA09, WS06, JAvR06]. **scalar** [WS87, ZCSM02]. **Scale** [CYMT16, CYG+17, CJRV15, HKM+87, RAVC12, WTC09, WSG02, XDM+18, AUW08, BS95a, Bod11, FES09, GWSY08, GBBL85, Gor06, HSS+06, KKFB11, KSS+96, KBC+00, LJX97a, LGN07, RRBN09, ROLV06, Ros89, RD01, SATG+07, SF12, SPHC02, TLD+11, VYW+02, WHZ+17, WVS+99, WVS+00, YZZZ06]. **scale-out** [GWSY08]. **Scaling** [PTBD16, RCSW10, GS13, KTB12, MCD+08, PS01]. **scanning** [KPS09]. **scans** [WBR+12]. **Scenarios** [BCR+14]. **Schedule** [SCFS98, AVZR11, BFD97]. **Schedule-independent** [SCFS98]. **Scheduler** [ABLL91, DC99, DC00, GP05, GGV96, KTB12, NL95, NL97, PM03, RR72, SFB+09, ST01, WTKW08, YVM13]. **schedulers** [GLG93, RS00]. **Scheduling** [CDV+94, CR75, ECS73, GA91, JW96, KSCK17, LLK96, SB78, SLCG89, AB75a, Bas72, BRR+00, BDF+08, BC10, BEH91, BM90, CAW08, CM75, CNO+87, CCB+06, CKR08, DC99, DC00, Dun91, ET05, FS95, FS96, FJLC98, Ful73, GG73, HS91, Han72, ID01, JRR97, JLZx90, KL98, KPL99, KSS73, Küh99, LS75, LBF+98, LSA+00a, LSA+00b, LX00, MSAD91, MDR+00, MSP+06, MB08, Mil92, NSKS11, OA08, PEA+96, PKB+08, Sto07, TDM12, TAS07, TP72, TL96, TG89, Ull73, VBLM07, VZ91, WBR+12, XX00]. **Schema** [SRS22, CWL05]. **Schema-First** [SRS22]. **Schematic** [Var97]. **scheme** [CKA91, CL04a, CL04b, CL04c, CCK04b, CHY05, DSGP05, DD12, HYS03, HLL04, HL05, KLY03, KCL03, Ku04, KC05, KCC05, LHY02, LLH02, LL04, LKY04, LJY04, LLH04, LC04a, LM97, MC91, MC96, Sco04, WK05, YW04, YRY04, YbJf04, GB01]. **schemes** [VA96]. **Scholarship** [Bar14, Gra14, Tet14]. **Science** [ELR15, Lit87, RWS+15, San86, Wai83b, Spi74, Sta83, Tri82, Tri02]. **scope** [Ano75]. **Scout** [MP96]. **SCR** [XHJB99]. **Screening** [ACS15]. **scribe** [Bre08]. **Script** [FH85]. **Scripting** [KKK+17]. **SCSI** [VFH98]. **Sealing** [HAF+07, Gif81]. **seamlessly** [HK00]. **Search** [VPH+15, CWdO+06, LJW+06, SG05]. **Searchlight** [BTK11]. **Sec'83** [Fêa83, Had84]. **Sec'84** [San86]. **Second** [San86, Cab90, Had83, CM14, DNT10, Her92b, Mul87]. **seconds** [PBR+08]. **secrecy** [Gif81]. **secret** [CHY05, JY98]. **secret-key** [JY98]. **secretary** [And81, Den78, Den79, Den80]. **secretary-treasurer** [And81, Den78, Den79, Den80]. **section** [Nai93]. **sector** [LSKK08, Lon93]. **Secure** [AMH+16, BJKT15, CDG+02, CLM+07, CLDA07, LWY+04, PL01, SLZD04, VPH+15, WF07, BDS+09, CC04, CCK04b, EKO95b, HC95, KC95, Kil00, Lac00, Lan89, LLH04, LC04a, LWMX05, Loe85, NBK+20, Pop75, Rus81, SF12, TKP+08, WECK07, YRY04, ZZNM01, Zim94]. **Securing** [BK12, CCZ+07b]. **Security** [CH07, CDG+17, Fêa83, FXZ+17, GA98,

HSK97, KXD00, Lan89, LSH03a, LSH03b, Lit87, Ng99, PS99c, Pat02b, Rei92, San86, SK97, ZSG+17, AFB95, BTMS10, BCP+08, DS90, DY01, FLR77, FM98, GS78, Gon89, Gon92, GC05, Had84, HK99, Hog88, HC95, JL75, LJY04, LNBZ08, MKKW99, MKKW00, NPCF08, PS99d, PS99a, PS99b, PS99e, Pat02a, Rou84, RN00a, RN00b, Sch75, SK13, Sil83, SPHH06, Sin85, SH00, WBDF97, XZZ98, YW04, dVdVI98, Fêa83, Had84, ZL04b]. **security-sensitive** [SPHH06]. **SecVisor** [SLQP07]. **SEDA** [WCB01]. **sedition** [Bak95]. **see** [SB10b]. **Seeing** [MZI08]. **SEEP** [HEKSP11]. **Seer** [GZH+19]. **Segment** [MP75, Son05, Rob96]. **Segment-based** [Son05]. **segmentation** [cCVP99, CVP00]. **segmented** [Tan79]. **Sego** [KDL+16]. **Segregating** [SZ98]. **selected** [VZ14]. **Selecting** [CM75, Tom75, Dal75]. **Selection** [CKmWH16, SMTZ09, Var72]. **selective** [ACM02, DSBK04]. **Self** [HBG+06, dOL12, RF17, BC06, CJ05, CM06, DY10, Edi13, HSS+06, NXQ05, PJDL06, SRH+06, Wal73, ZS06]. **Self-aware** [RF17]. **self-certified** [CJ05]. **self-describing** [SRH+06]. **self-infrastructures** [HSS+06]. **Self-management** [dOL12]. **self-managing** [NXQ05]. **self-organizing** [BC06, CM06, PJDL06, ZS06]. **self-provisioning** [Edi13]. **Self-Repairing** [HBG+06]. **self-stabilizing** [DY10]. **SelfTalk** [GSA10]. **Semantic** [GJSO91, HABZ17, KLS+10, MPLH06, LPH+07]. **Semantic-Aware** [HABZ17]. **Semantic-less** [KLS+10]. **Semantics** [HZCC97, BSL08, BS96, LLS91, WBB02]. **semaphore** [AH80, HS88, WL82, Kos73]. **semaphore-queue** [AH80]. **Semaphores** [Cas95, Dun91, Hem89, TT00, DD80, Hem88, Hil92, Hsi89, Kea88, Kot88, TC96, Tro00, Xu00]. **semaphoring** [OS80]. **seminar** [SK13]. **sender** [BJM+96]. **sender-managed** [BJM+96]. **sense** [Bak95]. **Sensing** [DIS19, LJdL+16]. **sensitive** [DC99, DC00, GAK+02, KSLA08, SPHH06, ZJS+11]. **sensitivity** [KKC02]. **Senslide** [STM+07]. **sensor** [AJG07, BBD+02, EKM04, HSI+01, HSS+06, LMG+07, LC02, MFHH02, MAK07, Est02]. **sensors** [HSW+00]. **separates** [LJX97a]. **Separating** [MKKW99, MKKW00, TLL94, Les04]. **separation** [LCC+75]. **September** [San86]. **sequence** [Dal75, Tom75]. **sequencers** [RK77]. **Sequencing** [HN81]. **sequential** [CGS96a, IBY+07, LSP07]. **Sequoia** [Pas92]. **serial** [AAMV09, Mit00]. **serializable** [Pu93]. **Serialization** [GMT16]. **Series** [Wai83a, SF80]. **Series/1** [SF80]. **Server** [SWC08, CAT+01, DB96, Eri14, Hal00b, Hal00a, HKL+06, HCG+06, yKPR02, LHL04, LZJ03, LLS+08, Mal10, NMS+00, PBH+07, RN83, RAF07, Wal02, WB07, Dio80, FO81, GN80]. **server-less** [HKL+06]. **Serverless** [ADN+95, FZY+23, SJS+23]. **Servers** [SKJ+17, WL15, BHLM94, BBHL08, CSBA17b, CDV+94, CGM97, EKF+14, HPG00, JKH+00, MD81, Nee79, PAB+98, Son05, VDGR96, WCE+92, YZJ02]. **Service** [Gwi05, Hof07, AVZR11, BMTW91, BSM+12, BHB+08, BACF08, CZB+09, DW07a, DW07b, EBS01, FC87, JZZW02, LEH86, MFHH02, MB93, McD00, MT85, NCL12, Neu00, Oes91, RCC01, RA07, Rom97, SBL99, SBL00, SZN87, WS06, vR92]. **Services** [Had83, JHK+16, KDL+16, Woo85,

AEMGG+05, AIKS00, AAC+05, Arn10, AC97, BFHW75, BDS+09, BCE+95, BCC+13, CMK+06, DHRS91, Fle81, FGC+97, GBZP10, GBCH00, Gue88, HBP06, KSLA08, LLS91, LZJ03, LAB+06, MA11, MDB01, PS99b, SJL+87, SF12, SAL20, STYC02, Wai95a, WCB01, Yu00a, Yu00b, YV01, ZBN07]. **Session** [Bre08, LE00, Tsa16, Bak95, Cec00, CG00, Kil00, Lam75, Laz92a, LSA+00b, PCP00, RN00b, ST93, Yu00b, dLWZ00b]. **sessions** [BHJ+93]. **set** [Cha96, CKDK91, COS+08, DV87, DS72, Fog74, OS80, SKI08, Ste97]. **sets** [MNP07, Mar97, Pot77, SS83a]. **setting** [FM02]. **Seventh** [Sat99, Tan97]. **several** [JM98, TSF90]. **SFT** [PNT06, WJ98]. **Shadow** [CCS+16, Isa08]. **share** [CAW08]. **Shared**
[Bal24, DHRS91, DK16, ELR15, JW24, KEF+19, ZE16, AMMR92, BCRS10, BMP+04, Cec00, CLR94, CRD+95, Che85, Col73, CGS+96b, DCZ96, ENCH96, Esk96, FP89, GGH91, GTHR99, GTHR00, HGDG94, HSPC01, JKW95, KLMO91, LJX97b, MBD+12, NPC06, Nic87, PRAH96, RGAB98, Ros89, SGT96, SG97, SFL+94, SDP+00, SJGY94, SKI08, SDH+97, TSF90, TWL05, TG89, USR02, VZ91, VGR98, WMH72, WBR+12, WS06, YZG+11, ZIL96]. **shared-memory** [CLR94, CRD+95, GGH91, GTHR99, GTHR00, KLMO91, PRAH96, RGAB98, Ros89, TG89, VGR98]. **Sharing**
[BFHW75, Eid15, AC06, BBMT72, BEW75, BEW76, CHY05, Chá91, CJM+75, FW72, GC08, Gre72, HS91, HKL+06, HSPC01, Mon77, PM03, RT73, Sal73, Sha00, TAS07, VGR98, Wei98, WTLS+09]. **sharing-aware** [TAS07]. **Shasta** [SGT96]. **shelf** [MSC+06]. **Shen** [KTC03]. **shepherding** [GPK+07]. **Shipping** [And95]. **Short**
[Han72, LCL+16, CPT08, Lie94a, Lie94b, Lie95c, Lie96]. **Short-Lived** [LCL+16]. **Short-term** [Han72]. **shorter** [WJ98]. **shortest** [Won93]. **Should** [Gur07, HBB13]. **Shredder** [AMH+16]. **Shredding** [AMH+16]. **side** [KL07, MMTW10]. **Sidewinder** [LJdL+16]. **SIGMETRICS'98** [Voe98]. **SIGMETRICS'98/PERFORMANCE'98** [Voe98]. **Signal**
[FVDS20, SCL96]. **Signaling** [CKMV99, BMR+09]. **signature**
[CL04a, CJ05, HLL+02, LLH04, PSB06, WK05]. **signatures**
[BMW02b, BMW02a, PKM+09, Sal78a, SZD+08, TACT08]. **signer** [WK05]. **Signet** [PS09]. **signing** [WK05]. **SIGOPS** [Bab91, Bac99, Mul87, Sha95, Tan97, WTC09, And83, Bir91, Kah85, Lev88, Lev90, Mog08, Sch73b, vR14]. **SIGPLAN** [Sch73b]. **SIGPLAN/SIGOPS** [Sch73b]. **Silent**
[AMH+16, LL02]. **silver** [KSDC14]. **SIMD** [PJDL06]. **similar** [BC91a]. **similarity** [LJW+06]. **Simon** [Woo85]. **Simple**
[BFS89, EPG+20, NTHAB22, SS94, YS02, AH80, BJW87, CH81, GS90, KTC03, LKKY03a, LKKY03b, LFW04, Oes91, Ray91, War76]. **simplification** [FS08b]. **simplified** [KS85, PSC+07]. **simplify** [GBCH00]. **SIMs** [PS09]. **Simulated** [GKO+00]. **Simulation** [Fra80, JBW+87, LLSK24, WMH72, AFF+09, GKO+00, LCTK01, Nut74, SL98, UNMS94, WPC12]. **simulator** [HD12, WZWS08]. **simulators** [LFH+09]. **simultaneous** [REL00, ST00]. **Sinfonia** [AMS+07]. **Single**
[CBHLL92, Rus88, WHZ+17, CIL93, KF09, LSS04, MS00, ONH+96, OVS+06,

Ros94, SBB86, Str12, vdWMH11]. **single-chip** [ONH+96, vdWMH11]. **single-ISA** [KF09]. **Single-machine** [WHZ+17]. **single-node** [LSS04]. **Single-user** [Rus88]. **singularity** [FAH+06, WYA+07, HL07]. **Sinking** [CDG+17]. **SIP** [AWW08]. **Site** [CK86, DBH+06, LWQ09, TLH+07]. **Sixth** [EMSPS11, Sha95]. **size** [DV87, LML00, THB06]. **Sizes** [ALM+18, CB17, Sat81]. **Skeen** [Bir94]. **sketching** [SLTB+06]. **Slack** [EAS+17]. **Slade** [Wai97c]. **SLAs** [Bas12]. **SLAYER** [WAB+89]. **sleep** [ZCT+05]. **slice** [PSG06]. **slice-based** [PSG06]. **SlicK** [PSG06]. **SLIM** [SLN00, SLN99]. **Slippery** [SRTH15]. **Slipstream** [SPR00]. **Slope** [SRTH15]. **Slotted** [SKB+17]. **slow** [BXS14]. **SLRL** [NTHAB22]. **Small** [Gor06, MC11, BJW87, JXG+02, yL91, Lie95c, WH08, ZG07, ZPS99, ZPS00]. **small-memory** [ZPS99, ZPS00]. **Small-scale** [Gor06]. **smallest** [Mas87]. **Smalltalk** [BSUH87]. **Smalltalk-80** [BSUH87]. **smart** [KLY03, WTLS+09, LAB+06, NL95, NL97, BJKT15, CL04c, CCK04b, HL05, Ku04, KC05, LHY02, Sco04, YW04]. **SmartApps** [RA06]. **SmartFrog** [GGL+09]. **Smartphone** [HT15]. **SMP** [TAS07]. **SMPs** [MSA+00]. **SMT** [GPV04, RPNT08, TAS07]. **SMV** [ZWWL01]. **snake** [KSDC14]. **snoop** [BSL08]. **snooping** [MSA+00]. **Snort** [GC05]. **social** [HB06]. **Socket** [ZL04b]. **SODA** [KS85]. **SODS** [SF80]. **SODS/OS** [SF80]. **Soft** [AD99, AD00, BS15, LLK96, SGK+04]. **soft-error** [SGK+04]. **SoftFLASH** [ENCH96]. **SoftSig** [TACT08]. **Software** [Ano75, AYQ+16, CKP91, CHV04, CHLS16, DB00b, DNT10, GG91, Had93, HN12, KC94, KSCK17, MKY08, MSR77, MA06, Ott18, Rom95, RHMR15, SN13, SBS18, TML+17, Wai86, WCL17, ZH16, AA06, AD99, AD00, Bac81, BKP+96, BMK06, CL87, CGKM11, cCVP99, CVP00, CZB+09, CCZ+07b, CKK+07, DCZ96, FRL00, GKV07, Har82, HL07, JKW95, Kan83, KEP07, KDP02, KGS06, LRS+08, Lie94a, Lin81, MSP98, MLB83, Mog06, Moo92, NN75, OL02, Pen09, QPP02, QTSZ05, Rou84, SGT96, SG97, SDP+00, SKPG01, SH87, SDH+97, Svo73, TLD+11, TL94, TML+00, TACT08, WLAG93, WBC+83, Duc92]. **software-** [Har82]. **Software-Based** [AYQ+16, MA06, Rou84, SKPG01, WLAG93]. **software-exposed** [TACT08]. **software-only** [SGT96]. **software-profiling** [KEP07]. **Sol** [Had85]. **solitude** [JSDG08]. **Solution** [SEF+16, BAMM77, GWSY08, HS88, KL98, Küh99, LSH00, Sei90]. **solutions** [DS92, WB86]. **Solved** [Lam85]. **solves** [Rou84]. **Solving** [SRH+06, GB01]. **Sombrero** [MS00]. **Some** [AEH75, EB78, GS78, GHM77, Gwi94, Hol72, MW75, TCH+91, Hog88, Pow89, YS98]. **Sons** [WP91]. **SOSP** [Sub11, Bar14, Gra14, Isa08, MdS09, Tet14]. **SOSP'99** [LE00]. **Sound** [CSBA17c]. **Source** [BMF+16, BYV08, SFW99, SW10, Tan87]. **Sources** [DS92, SJ95]. **sourcing** [NBB09]. **Space** [CBHLL92, LBF+98, NTC+21, YN12, BMvdV93, CIL93, GN96, HHS05, Kep91, Lie94b, Lie95b, LLY05, LNBZ08, MS00, Ros94]. **Space-time** [LBF+98]. **space/time** [LLY05]. **SpaceJMP** [EMZ+16]. **Spaces** [EMZ+16, SSK17, BMvdV93, ÏMC+06, KGGK09, PPT+93, THK95]. **spam** [CXMX05]. **spanning** [HK00]. **SPARC** [CKDK91, LKB91]. **Sparsity**

[LCCZ17, Lie95b]. **Sparsity-Aware** [LCCZ17]. **Spatial** [BVCG04, CCB+06, DBMZ08, MCC+06, WCL+04]. **Speakers** [Tsa16]. **SPEC** [CKDK91]. **Special** [Eid15]. **Specialization** [CCS+16, XDM+18, EBS01, KGS06, PAB+95]. **specialize** [CWS06]. **Specialized** [BDK+08, NS16]. **specific** [BCE+95, CDY+17, DBR09, JKDC05, KGS06, SP00, Shi00]. **specification** [AGB+77, BAD+11, BGHL87, Buc77]. **specifications** [BDM97, GHM77, NBK+20]. **specified** [CM75]. **Specifying** [BKL+16, WS91a, SWL77]. **speculation** [FJLC98, HWO98, MT02, RSEW04]. **Speculative** [JCY+19, MT02, NCF05, ACM02, CG00, DS06, KAD+07, OL02, ZCSM02]. **speech** [LOM+09]. **Speed** [Val94, BVR+00, COS+08, Gur07, HRX08, Les04, MBD+12, XXMC05]. **speed-based** [XXMC05]. **SPEED08** [VW08]. **speeding** [Hal00b, Hal00a]. **spend** [AD07]. **spent** [CLR94]. **Spin** [SJGY94, Gil78, BSP+95, BCE+95]. **Spin-block** [SJGY94]. **Spinlocks** [KMK16]. **spinning** [KLMO91]. **spite** [DY10]. **SPM** [CV93]. **spreading** [CWS06]. **spring** [KN93, SR89]. **Springer** [Had93, Lig94, Nut94a, Wai94]. **Springer-Verlag** [Had93, Lig94, Nut94a, Wai94]. **Sprint** [CPW07]. **Sprinting** [FZL16]. **Sprite** [BO91, NWO87]. **Spritely** [SM89]. **SPTF** [LG04]. **squeezing** [WC02]. **SR** [XD17]. **SR-IOV** [XD17]. **SSD** [EAS+17, KBPM10, OCLN14]. **SSDs** [DRTT24, Str12]. **St.** [vR93]. **St.-Michel** [vR93]. **Stabilizing** [DY10]. **Stable** [BJM+91, NHM83]. **stack** [HL07, KPS09, MVKA06, PSMB16]. **Stackable** [Loe05, HP95, ZN00]. **stacking** [KDS+06]. **stage** [CHY05]. **Staged** [CKK+07]. **stand** [CR12]. **standard** [KYB+07, Rus08]. **standards** [Had01, SG10a]. **standards-based** [SG10a]. **Stanford** [HGDG94, HKO+94]. **starting** [SRH+06]. **State** [Bel10, HT15, VSST16, GFPcF08, JT90, Mit00, Mou96, Rob96, SAL20, Spi74, Tur80, Wei98]. **stateful** [LAB+06]. **stateless** [CJG02, SLN00, SLN99]. **states** [FR94, XHJB99, YM93]. **Static** [BNE16, CC77, FXZ+17, MBS16, RN93, WHZ+17, BBC+06, RR04, YS94]. **statically** [ACM02]. **statistical** [HC04]. **Statistics** [Wai83b, EJD13, Sta83, Tri82, Tri02]. **status** [PGS93]. **steady** [Rob96]. **steady-state** [Rob96]. **Stealth** [CLS06]. **Stefan** [Kad95b, Kad95a]. **step** [Svi83]. **Stephan** [Lig94, Lig95]. **steps** [HN81, MM91]. **STFS** [JXG+02]. **stick** [CMSK07]. **still** [SB10b]. **STMBench7** [GKV07]. **Stochastic** [RLD+17]. **Stockholm** [Fêa83]. **Stone** [Wai83a]. **Storage** [Acq16, BY08, BLC+16, FFBG08, FKZ17, Ger72, GSCM16, GSW+17, JSCM17, PBM22, RB24, RD01, VW08, ABC+02, AKGR10, APGG00, BMTW91, BSR+06a, BHB+08, BXS14, CALM97, CN07, CR72, DKK+01, DZ95, DBP+04, DW07a, DW07b, DS73, FNRC+07, FC87, GSGN00, GNA+98, Gre72, GBG+10, GA08, GSM08, Had01, Hal00b, Hal00a, HJ10, HF08, HGR07, HYM10, KSDC14, KBC+00, LM10, LSKK08, LG04, MZWZ02, MA11, NTHAB22, OLS85, OAE+09, PSMB16, Por10, RS08, Rob96, SGNG00, SFS13, SADAD02, Ste83, SLLP+10, SCFS98, Str12,

TTP+95, TGR+21, TNA12, VT01, WECK07, WMI+07, WLZ03, WCL+04, WCE+92, WGSS95, WZ94, XXM04, YW06, CM87]. **store** [DHJ+07, Del80, JZZW02]. **stored** [TS87a, WS92]. **stores** [LL02]. **Storing** [OB10]. **story** [JLR+05, vR14]. **straight** [KS99]. **strata** [NPC06]. **Strategies** [JTG+00, AS10, HD12, Mas77, PSK08]. **strategy** [CFL73, CM06, ELG95, HDL+02, MM81]. **Stream** [JXG21, Bla83, DBH+06, GTK+02, GTA06, WS91b]. **Streaming** [HDGP21, VGX17, BD91, BMER14, YLE02]. **streamlining** [PAB+95]. **streams** [BN78b, GCTR08, JH93]. **Streamware** [GCTR08]. **Streets** [WCYJ05]. **strict** [KCLZ98]. **string** [AKS73]. **striped** [HO93]. **stripped** [WCL+04]. **Strobel** [Kad95b, Kad95a]. **Strong** [LSH03a, LSH03b, CC04, KTC03, Ku04]. **Strong-Password** [LSH03a, LSH03b, CC04, KTC03, Ku04]. **structural** [BM99]. **structure** [CSBA17b, CS77, CB93, GC96, KBK02, Lev90, Lov77, RLV+96, Ste73]. **Structured** [Hil93, AAMV09, BS89, CDG+02, Den74a, Den74b, Fou74, GHW07, Hat94, Hil94, JHT+07, KAS+06, LM10, MRC+97, MP91, OCLN14, OD89, Rob96, Rom95, RO91, SK97, Svo81a, Zel74]. **Structures** [CSBA17a, Woo85, YWKYS15, EB78, GKD91, GBCH00, KB84, KGB88, LN79, LM96, RMS98, VL87]. **Structuring** [Fin92, MS91a, Met82, BHJ+93, CL95, Cla85, Kee79, Lom77, Sal93, YTM+91]. **struggles** [RRT+08]. **Student** [SMS11]. **students** [AD07]. **Studies** [PS96, KLMO91, SPHH06, WMH72]. **study** [AH77, BCDN87, CYC+01, CR72, CCAP06, DS92, DH10, DK75, DIN05, Fes07, GS90, HJT+93, Kor06, KAI+13, Lio78, LPSZ08, MW08, MCM07, MSB+02, PSK08, PBR+08, PK75, RF98, Ros78, Sat81, SG04, SMTZ09, SHSB75, WS87, ZWWL01]. **Subcontract** [HPM93]. **Subgraph** [JV21, MRH+21]. **subpages** [JFV+96]. **subsidizing** [LCJV+11]. **substrate** [FBB+97]. **subsystem** [DB96, Har88, HZCC97, WlL01, WL02]. **subsystems** [MR07, VT01]. **successful** [RD87]. **Sudden** [HT15]. **Suez** [PN00]. **Suicide** [CM06]. **Suites** [LWPG17]. **summaries** [LE00]. **Summary** [BCC+94, BR10, EMSPS11, Ful73, Her92b, MM92, MM93, RAVC12, SBN83, Sha95, WTC09, BHJ+93, Cab90, Lam00, SBL00, Sal00, TSE+00]. **Summer** [DK17, HMS17]. **Sun** [DM90]. **Supercloud** [JSS+15]. **Supercomputer** [BBH+00]. **supercomputers** [VM07, WS87]. **SuperDataNodes** [Por10]. **Superoptimization** [CSBA17c, PTBD16]. **Superoptimizer** [Mas87]. **superoptimizers** [BA06]. **superpages** [NIDC02, TH94]. **superpaging** [Wis05]. **superscalar** [LKB91, SF91]. **supervisory** [Gai72]. **Support** [ALM+18, BCC+94, KKK+17, KYP+17, LER+17, RF17, Tan97, Tur87, WPC12, ABLL91, AD99, AD00, AEP+97, ATSS09, Bab91, BDMS98, BvS00, BBD+02, Bir91, BF87, BMA00, CL87, CKD94, CHCmWH00, Coo94, CB95, CSS+91, DBMZ08, DMB87, ESB+06, FAH+06, Fra95, GSA10, Gup01, HPG00, HWO98, HDH+94, Her86, Hil81, JAvR06, KSP09, KSS+96, LRV94, LMM93, LSA+00a, LSA+00b, MLB83, Moo92, NIDC02, OLS85, SV06, Svi83, Taf82, TH94, TCH+91, TPH12, TL94, TML+00, Tug83, VDGR96, WAB+89,

WK08, WDA+08, ZWG+97, Her92b, Jef92]. **Supported** [CJM15, MPP+08a]. **Supporting**
[Bla85, GAK+02, KvRvST92, MCN+17, MBM+06, RRBN09, WS92, BBG83, DH73, DC99, DC00, Mad81a, Mad81b, McD00, Neu00, RK83, SGT96, SDE85]. **surgery** [Wal73]. **Surpassing** [TH94]. **Surprise** [SHP+16]. **surrounding** [GA98]. **Survey** [AMPS73a, AMPS73b, AMPS74, Moh78, ATK92, Hac85, Nut94b, Smi88, TA90, Van96, Wel95]. **survive** [QTSZ05]. **surviving** [CNC+96, SESS96]. **Sustainability** [SS17, Tai13]. **Svigals.'** [Tug83]. **SVR4.0** [Zea97]. **SVR4.2** [Zea97]. **swap** [BJ81, HTW01]. **swap-based** [BJ81]. **swapped** [Pot77]. **swapping** [Bar79]. **Sweden** [Fêa83]. **sweep** [CHV04]. **Sweeper** [TNL+07]. **switch** [LCH+81]. **Switchblade** [FS08a]. **switchboard** [Zim94]. **switches** [MB91]. **switching** [San81, SMM+09]. **Symbiotic** [ST00]. **Symbolic** [FVDS20, JCY+19, HEKSP11, Kie87]. **symmetric** [BMA00, LH04]. **symmetric-key** [BMA00]. **symmetrically** [BMD94]. **symmetrically-initiated** [BMD94]. **Symposia** [Mog09]. **Symposium** [BOB15, BK08, Bre08, BM17, FBL+12, Laz92a, Laz92b, LGMF14, LE00, OFB16, Pet76]. **Synchronization**
[ACAAT16, AM85, Bel75, BGHL87, GMT16, Hab72, Hil92, Lam75, MCS91, PG16, RK77, Rya98, Rya99, Sco96, Cha73, Che75a, Eas72, EGE02, Ger77, GC96, LS86, LA94, Lom77, LT11, MNP07, MT02, PRD10, Ric88, Rom93, Ros89, SJGY94, SS06, Uhl07, Vog97, WPLP85, Woo73]. **synchronized** [Gon92]. **Synchronizing** [PR83]. **synchronous** [ID01]. **synchrony** [BDM97, BJ87]. **synergy** [GHW07, GC96]. **Synopsis** [Tsa16]. **Synthesis** [LWPG17, Bel75, MP89, Sny77]. **syslogs** [ME08]. **System**
[AHC+16, AVN+16, BDMS98, BBB+17, BOB15, BCC+94, BLC+16, BKL+16, BMK06, BM17, DDOL16, FBL+12, GF15, HBG+06, Her92b, HSW+00, Jef92, KDL+16, LGMF14, LXYZ19, MAHK16, Mat10, MRH+21, Neu92, OFB16, PBM22, Ram00, Rei92, WHZ+17, ZWG+97, dSM16, Wai83a, ARS89, AWSBL99, AWSBL00, AEE+94, AKGR10, AGM93, Als72, ALBL91, And95, Ant90, AR07, AB75b, ACT94, AFF+09, AEP+97, ATSS09, BJ81, BFHW75, BO91, BHK+91, BFSG94, BL89, BR09, BBD+02, BAD+11, Bas72, BL75, Bec90, BIYC06, BSP+95, BCE+95, Bir85, BC91b, BN78a, BPP12, Bla83, Bla91, BW95, BDF+08, BBMT72, Bod11, BBG83, BS89, BMR+09, BEW75, BEW76, BBH96, CE88, Car94, CPdM+96, Cas91, CAL+89, CIL93, Chá91, CB93, CNC+96, CMMS77, CD95b, Che75c, CZG+05, CJM+75, CKR08, Cra83, CKK+07, DKW+06]. **system** [DRSK89, DH73, DH10, Del80, Dij05, DH96, DZP+11, Dos88, DCZ96, DB97, EM89, EKV+05, EBP16, EW76, EVvdW89, EWCS96, EP94, EKO95a, EKO95b, EJD13, Fab98, FFBG08, FO72, FLR77, Fes07, FS08a, FM98, Fle81, FMK+07, Gai72, GSA10, GPF+05, GFPcF08, GPV04, GS89, Gór78, GC96, GNB+09, Gsc94, Gue88, GPK+07, GKS11, Had01, Hag87, HPG00, HLL+02, Han83, Har88, HdRC95, HO93, HvE02, HN08, HCZ97, HZCC97, HH89, Hop90, HKM+87, How72, HXL01, JHT+07, JM95, JKL+13, Jon93, JLHB87, JLZx90, JXG+02, KCD+81, KKS89, KS85, KS92, KS91a, Klo80, KAS+06, KSS73, KAR+06,

KLS85, KXD00, LM10, Lam83, Lan89, LRV94, LCKFA24, LN79, Lau81, LLA+81, Les04, LMM93, LTCA89, LJX97b, LJS+02, LRS+08, LWMX05, Lio78, LGG+91, LGJS91, Lit88, Loe85, LL98, LCH+81, LK01, LB81]. **system** [LZ03, Mad81a, Mad81b, MA79, Maf94, MK91, Mah94, MR07, MO85, MKKW99, MKKW00, McD00, MW75, Mcd77, MXXC05, Mil78, MP81, MS00, Moo92, MMB96, MP96, MM91, MP91, MCM01, MMGC02, NIDC02, NW77, NB77, Neg00, NWO87, NLO95, Nes82, NB00, NBW87, NCF05, Nut74, Oli90, OVS+06, OSSN02, Ous81, ODH+85, PB96, PP06, PS99e, Pay77, PBR+08, PKW81, PWC+81, Pow77, Pow89, Pra86, Pra87, PC75, PAB+95, RR81, REL00, RR04, RK83, Rip03, RT73, Rob96, Ros94, RO91, RBH+95, RHP+07, SKKM02, SFH+99, SFH+00, SHN+85, SNV10, Sch73a, Sch95, SBN83, SGN85, SJGY94, SSF99, SSF00, STM+07, SY96, Sil83, SF80, Smo95, SPF+07, Spi94, SDE85, SMI80, SAF07, SXZ+88, SETB08, Svo73, Svo81b, Taf82, TH94, TM81, TCH+91, TLD+11]. **system** [TS06, TS87a, TTP+95, TLC85, TML97, TKP+08, TLL03, TNL+07, Tur87, Tur80, Vag10, Van06, Var72, VDGR96, VMBM12, Vog99, Vog00, WV02, WB07, WPE+83, WZWS08, War76, WAB+89, WLRZ03, WH08, WDA+08, WPLP85, WA09, Wet99, Wet00, WWGF08, WGSS95, WMH72, WF07, WABL93, WH94, WZ94, XFO08, XDC+95, YZG+11, YTM+91, YD02, YTR+87, Yuv76, ZELV02, ZG07, ZDP83, ZLX01b, ZFW10, vRvST88, CBHLL92, CJ75, Cri91, GHP92, HO91, HGB+80, JBW+87, Jon92, Lis72, WN80, WAC+81, WLP75]. **system-level** [BBD+02]. **System/6000** [HO91]. **systematic** [NAR08, Sal93]. **systemic** [SHSB75]. **Systems** [Acq16, ACS15, BDF+15, BY08, BR10, BK08, Bre08, BNE16, Bru86, CIP+23, CCS+16, CJRV15, CHLS16, DVS12, DK16, Duc92, HKPvR16, Her10, KvRvST92, Laz92a, Laz92b, LLLG16, LE00, LLL+17, MKL+19, Mul87, PR15, PP09, Pet76, RF17, RAVC12, SRTH15, Sat99, Sch07, SHP+16, Sha95, SG14, Sub11, Tan97, VPH+15, WP91, WS92, WHZ+17, WTC09, YVCB18, ZH19, ZE16, dV96, Aba93, AYK08, AMPS73a, AMPS73b, AMPS74, AMS+07, AEG+91, APGG00, AH80, ADN+95, AC06, ADAD01, Atw84, AC97, AMO+12, Bab91, BS95a, BDM97, Bac81, Bac91, BIYC06, BYV08, BMD94, BSSM08, BJ87, Bir91, Bis81, BF87, Bod11, BDT00, Bor98, Bor92, Bou94, BC01, BP91, BHJ+93, BDR97, Cab90, CJR87, CW92, CS77, CALM97, CMK+06, CFL73, Cha90, CN07]. **systems** [Cha96, CC05, Che75b, CEC+95, CGL+08, Che85, CL95, Cho77, CYC+01, CLC05, Cla85, CM06, COS+08, CGJ+07, CB95, CBC+08, CS00, CLDA07, DS92, DS80, DMD13, DK15, Dim98, Dou93, DBRD91, DB96, DB11, EER12, Ell73, Ell77, ESB+06, ECH+01, ELG95, Est02, EFL07, FRL00, Fle83, Fon72, FES09, FD10, Fra80, FV06, FdAM14, FW77, GSGN00, GC08, GBBL85, GJSO91, GBZP10, Gon89, GG91, Gor87, GB90, GGV96, Gre72, GLL04, GKS11, Hac85, Had85, HKD07, HS91, HV08, HKL+06, Han72, HP93, HRU75, HHLS97, HJT+93, HZ09, HCG+06, HEK+07, Hol72, HM90, HL92, HKU79, HH08, HYS03, KEG+97, Kah72, KTB12, KSP09, KJH+11, Kee79, KMA+14, KvS07, KN93, Kil00, KSDC14, KSL90, KN96, Küh04, KBC94,

KF09, LABW91, Lam00, LB91, LLK96, LSKK08, LAAW00, LMM93]. **systems** [LPS10, LJX97a, Lie93a, LCWM08, LKvR+99, LKvR+00, LFWL10, LF13, LG04, Mah98, Mal10, MC11, MW91, MRC+97, Mat04, Mat06, Mat07, MS91a, MB06, MF75, Met82, MM81, Mog06, MW09, Moh78, MDB01, MMAS08, NCL12, NS07, Nee72, NB91, NBK+20, Neu89, NTHAB22, NV06, NXQ05, Nut94b, NSW10, O'S92, OPSS93, OB86, OSV82, OST83, OSV86, OMCB07, OD89, PRAH96, PV95, PG06, PSC+07, PFGD02, PS01, PBA+05, Pu93, RK11, RV91, RGAB98, Rat87, Ray92, RL96, RR04, RLB08, Rob98, Rob08, RPM97, Ros95, Ros06, Rus81, RB75, Rus77, Sal78b, Sal91, SGD+02, Sat95, SGNG00, SZN87, SLS+05, SFB+09, SHT97, SY96, SSS01, Sny77, SF91, Sor73, SDD+85, SJ05, SK97, SR89, Sto07, Str93, SSR+10b, Svo81a, TSF90, Tan87, THB06, TLL94, TGR+21, TFC99]. **systems** [TBM+06, Tra82, VBLM07, WH99, Wai98, WZZ93, WMI+07, WAB+89, WPC12, Wel95, WCS08, WA09, WLS+02, WS91a, Wil93, Wil94, WS06, XHJB99, YM93, YW06, YAK93, YZZZ06, ZN00, ZIL96, ZLX01a, ZUW+09, Zim94, dGdB10, dJKH93, dOS08, CvR14, EMS09, EMSPS11, GB01, LaR92, MW92, Mog09, Voe98, dSBP11]. **SYSTOR** [BY08].

T [Had85, Zho16]. **T3E** [Sco96]. **Table** [DHK+15, JM98, RS86, THK95]. **Tables** [MT17, LE96, TMW10]. **TACT** [Yu00a, Yu00b]. **tag** [PHYO96, MFHH02]. **Tagged** [Tro00, Xu00]. **Tags** [SH87]. **Tail** [JHK+16]. **taint** [HFC+06, ZJS+11]. **taint-based** [HFC+06]. **TaintEraser** [ZJS+11]. **Tainting** [DKK10, SB10b]. **Take** [Bis81]. **Take-Grant** [Bis81]. **Taking** [ZFP+21, HEK+07]. **tale** [Coo94]. **talk** [Lam00, Sal00]. **Tame** [AVN+16]. **Taming** [Bal24, MKL+19, SKKM02]. **tamper** [TML+00]. **Tanenbaum** [dV96]. **Taos** [WABL93]. **Tapeworm** [UNMS94]. **Tapir** [YN15]. **Tapping** [WDA+08]. **Target** [JHK+16, PAM+16]. **Target-Driven** [JHK+16]. **targeting** [LGH94]. **Tartan** [MCC+06]. **Taser** [GPF+05]. **Tashkent** [EDP06, EDZ07]. **Task** [BHM77, Mah98, MB08, Bro75, GTA06, JLZx90, KSS73]. **task-scheduling** [KSS73]. **Tasks** [ZE16, CR75, DDYM99, ECS73, IvdLH+00, JW96, LLK96, SLCG89, Yue85]. **Taurus** [MAHK16]. **TaxDC** [LLLG16]. **Taxonomy** [LLLG16, Ray91, TSF90, YAK93]. **taxonomy-based** [TSF90]. **Taylor** [Had93]. **TCB** [HCJ07, MPP+08b, MPP+08a, SPHH06]. **TCC** [HCW+04]. **Tcl** [GA98]. **TClouds** [BCR+14]. **TCP** [BSR06b, HRX08, yKR06, LCL+16, VKD02]. **TCP-friendly** [HRX08]. **TCP/IP** [BSR06b]. **teaching** [AMO+12, NV06, Rob08]. **Technical** [Cab90, Had83, McN77, McN82, McN88, MDO94]. **technique** [ACT94, HLFZ97, LGH94, Le98, Pay77, WC02, XXMC05]. **Techniques** [PS98, VGBT14, ZH16, AA06, BBFH07, Bod11, BFS89, BC08, CB95, DY01, KGS06, PS99d, PHOA89, SETB08, WS87, Wel95, ZK88]. **technologies** [PG06]. **technology** [EAS07, KDS+06, MW08, Wil93]. **telecommunications** [GG91, KJH+11]. **Telemetry** [SRS22]. **temperature**

[HCG+06, MB08]. **temperature-aware** [MB08]. **Temporal** [CWdO+06, BH81, BBE+11]. **Temporally** [LL02]. **tenant** [BWV+12, SFS13]. **TENEX** [BBMT72]. **term** [BSR+06a, Den74b, Eas72, Han72]. **Terminal** [HGB+80, Hil81, MM81, Wal73]. **termination** [CK86, Lau84]. **territory** [WY04]. **tertiary** [VT01]. **Test** [LWPG17, Lie94a, Poo73]. **testbed** [KSK09]. **Testbeds** [ELR15, LFH+09, ROJS09, ROLV06]. **testing** [CZB+09, CKK+07, MCM07]. **TETRIS** [GPY+17]. **Tetzlaff** [Tet14]. **their** [AD07, BTK11, BSF+91, CMSK07, Dim98, GS78]. **them** [CH14, JS08]. **theoretical** [FFM07]. **theory** [LABW91, MXXC05, MM91, Pra87, Woo73, ZUW+09]. **Thermostat** [AW17]. **thin** [BKN05, SLN00, SLN99]. **thin-client** [BKN05, SLN00, SLN99]. **THINC** [BKN05]. **third** [PG73, DK15, HN12]. **Thomas** [Kad95b, Kad95a, Wai97a]. **Thorough** [BBC+06]. **Thoth** [CMMS77]. **thoughts** [Che85]. **Thread** [FURM00, GP05, LPM17, PEA+96, TAS07, DBRD91, GLC99, Lie94b, LML00, Loe05, MT02, OT95, SP00, Shi00, SJ95, Wei98]. **Thread-level** [FURM00, MT02]. **thread-specific** [SP00, Shi00]. **threadbare** [Bak95]. **threaded** [CSS+91, LBvH06, OA08, SBN+97, SQP08]. **threading** [RRP06, SQP08]. **Threads** [MP89, Bak95, CPT08, DC99, DC00, GP05, GN96, HJT+93, KE95, MSLM91, MQW95, MEG94, OL02, PG03b, SZG91, SZ92, SCM05, SMM+09, WCW+04, ZCSM02]. **Threat** [NCBB14]. **Three** [LSH00, Ng99, Rob08, Sch73a, SPHH06, XZZ98, ZL04a]. **Three-Party** [Ng99, LSH00, XZZ98]. **three-principal** [ZL04a]. **threshold** [BMW02a]. **throughout** [Fab98]. **Throughput** [ALM+18, DD12, yKPR02]. **tier** [CCZ07a, MZWZ02, NTHAB22]. **tiered** [AW17, TGR+21]. **Tiger** [BFD97]. **tightly** [PR83]. **tiled** [MSP+06]. **Time** [CKN+19, DL15, FS95, GF15, MCGL17, AGM93, ACT94, Bas72, BL75, BH81, BHD19, BBMT72, BEW75, BEW76, BM90, CLR94, CCK04b, Chá91, CMMS77, CM75, DRSK89, DS92, Den74a, DC99, DC00, DCZ96, EGE02, ECS73, FL77, FW72, Ful73, FPG89, Gar07, GAK+02, GP95, GS89, Gre72, GN96, Gup01, HS91, HLFZ97, JRR97, KKS89, KC94, LBF+98, LTCA89, Lie96, LC04a, LSA+00a, LSA+00b, LLY05, MO85, MW91, Mil92, NMS+00, NCL12, NL96, OT95, PM03, PS01, PN00, PC75, RLB08, RT73, RPM97, SN94, SZG91, SZ92, Sor73, SR89, TSLBYF08, TM89, TL96, Wai95a, WAB+89, WPC12, WJ98, WMH72, Wir77, YS98, YD02, Zea97, Zel74, ZPS99, ZPS00, JBW+87]. **Time-function** [FS95]. **time-sensitive** [GAK+02]. **time-shared** [WMH72]. **time-sharing** [Chá91, FW72, Gre72, RT73]. **Time-to-Accuracy** [CKN+19]. **time/run** [DCZ96]. **timebombs** [CWdO+06]. **timeline** [Gwi94]. **timeliness** [RLB08]. **Timely** [LZH+22, OR87]. **timer** [AD99, AD00, DM90, PBR+08, VL87]. **timers** [AD99, AD00, Dub00]. **times** [CR75, CCK04b, SLCG89, YM93]. **Timestamp** [MSA+00, YW04]. **timestamp-based** [YW04]. **timestamps** [Nat80, NS93]. **Timing** [HMK20, DM90, VL87]. **Timing-Channel** [HMK20]. **tiny**

[LC02, SLQP07, MFHH02]. **TLB** [JM98, TH94]. **TLB-refill** [JM98]. **TM** [RRCC10]. **token** [BL00]. **token-based** [BL00]. **Tolerance** [Cri91, AAC+05, Bab91, BRR+00, Bir85, Bir91, BBG83, BS95b, GG91, JT90, KT91a, Kan83, KS91b, KAD+07, NB91, PL95, PNT06, PCD91, RRP06, RCL01, Rom93, Sal91, SPR00, TCH+91, WLZ03, XXM04, ZHK06]. **tolerance-current** [JT90]. **Tolerant** [WQA+24, AEMGG+05, Bab90, BJM+91, BACF08, BC91b, CC97, DHRS91, FV06, GC89, HGR07, JAvR06, LCJV+11, MS91a, PJDL06, SNV10, YbJf04]. **Tolerating** [VBLM07]. **tomography** [GAT13, MMAS08]. **TOMP** [Das92]. **too** [KMA+14]. **tool** [BFSG94, FdAM14, LS90, NMS+00, RSW08, SK96, Spi94]. **tooling** [DH10]. **toolkit** [EBS01, JdLT+95, LJW+06, QPP02, Jon92, MW92]. **tools** [GC05, SETB08, Wei92]. **Toolset** [Ott18]. **top** [CS00]. **top-down** [CS00]. **Topic** [LCCZ17]. **Topics** [CvR14, DNT10, HN12, Sat99, SN13, Smi78]. **topology** [PLH98]. **Toronto** [San86]. **TOS** [NB00]. **total** [Das92, Ful73]. **totally** [Bir94, CS93, Coo94, Toi92]. **TPC** [JHK+16]. **Trace** [GCJ17, CNO+87, DH10, EJD13, HXL01, KTP+96, ODH+85, Spi94]. **trace-driven** [KTP+96, ODH+85]. **traces** [PS96, PRD10, YLW+06]. **Tracing** [NTC+21, DD12, KJ08]. **Tracking** [YSCC16, JOW+02, SLZD04, YRC05, ZPS+04, ZJS+11]. **trade** [MSP98]. **trade-offs** [MSP98]. **Tradeoffs** [CMM+06, SJS+23, AEH75, CN07, DMB87, JOW+02, Yu00a, Yu00b]. **Trading** [WM16, LNBZ08]. **tradition** [dBB08]. **Traffic** [LCJV+11, Gup01, KAI+13, Wal73]. **Training** [Ser21]. **transaction** [CPW07, Cri94, Duc89, EDP06, MSF85, MMP83, RB93, Spr85, Sto84, SDE85, VBLM07]. **Transactional** [DDK+16, NP17, RG02, ZLJ16, BJM+91, CCZ07a, CNV+06, CMM+06, CR12, DFL06, GKV07, HCW+04, MMTW10, MBM+06, RRCC10, RHP+07]. **Transactions** [Ano75, KPS+16b, LZC+17, MCGL17, WPLP85, YWKYS15, Bla91, Fra95, KGGK09, LC97, LS94, ML85, PS09, Pu93, SW91, SDD+85, Spi94, SDE85, SS83b, You92]. **transfer** [DP93, KCLZ98, MP75, TLL94, WSH94]. **transfers** [VKD02]. **transformation** [CEV00, SV06]. **Transformations** [SSK17, GMM98]. **transient** [VM07]. **transitions** [EB78]. **transitive** [XHB06]. **Translation** [AZEE18, Bha17, CB17, SBS18, YVCB18, ACM02, CBD+98, LSKK08, Ros89, SS95]. **Translation-Triggered** [Bha17]. **translator** [LOM+09]. **translators** [Le98]. **transmission** [Cho77]. **Transparency** [Str93, Hof07, SLLP+10]. **Transparent** [ALM+18, Bac91, CCG95, JZ91, KS91b, RS02, ZWZ01, AW17, cCVP99, CVP00, NIDC02, PGS93, PWC+81, SG97]. **transparently** [Jon93]. **Transport** [vR92, BMR+09, WH94]. **Trap** [UNMS94, KKN00]. **Trap-driven** [UNMS94]. **traps** [HM93]. **Travel** [Bar14, Gra14, Tet14, TSLBYF08]. **Traveling** [Wil09]. **treasurer** [And81, Den78, Den79, Den80]. **treating** [QTSZ05]. **tree** [ML85, MP81]. **trends** [Fle83, LB08, RBH+95]. **TRIAD** [Che00a, Che00b]. **Triage**

[TLH+07]. **triangular** [CC97]. **Tribute** [TSE+00]. **TriCheck** [TML+17]. **Triggered** [Bha17]. **Trimmed** [VGX17]. **TRIOS** [Ter14]. **Triple** [Ran82, GC12]. **Triple-handed** [Ran82]. **TRIPOS** [RN83]. **Trisection** [TML+17]. **Trivedi** [Sta83, Wai83b]. **Troubled** [Lit87]. **troubles** [HBB13]. **troubleshooting** [WKT+13]. **True** [MMT16]. **Truly** [WQA+24]. **Trust** [Gup05, DY10, MXXC05, Sat00]. **Trusted** [DPW+09, KDL+16, ABC+02, BCP+08, CGM97, KDP02, KSLA08, MC11, WH08]. **trustworthy** [HEK+07]. **Tully** [Had85]. **tunable** [WL09, Yu00a, Yu00b]. **Tuning** [MRH+16, KSP09]. **Tunis** [Atw84, Hol82]. **Tuplink** [Neg00]. **TURNING** [Hol88]. **TVDc** [BCP+08]. **Twenty** [BK08, Bre08]. **Twenty-First** [BK08, Bre08]. **twins** [HCJ07]. **Two** [AW17, HL05, KTC03, Lau84, LBB+91, BL89, BSSM08, CG91, GS90, GLC99, HCJ07, JW01, MD81, Wed88, ZLX99, ZIL96]. **two-dimensional** [BSSM08]. **two-level** [CG91]. **Two-part** [Lau84]. **two-party** [JW01, ZLX99]. **Two-tiered** [AW17]. **TxLinux** [RHP+07]. **TxRace** [ZLJ16]. **type** [CC77, Jan81, SH87]. **type-extension** [Jan81]. **Typed** [KKK+17]. **types** [Buc77, Gan77, Her87]. **TYPESET** [SHSB75]. **TYPESET-10** [SHSB75].

U [vEBBV95]. **U-Net** [vEBBV95]. **U.** [AD07]. **U.K** [OST83]. **überSpark** [VMM20]. **ubiquitous** [Ram00, ST93, YLE02]. **Ubiquity** [Wed88]. **ugly** [HYM10]. **Uhl** [Kad95b, Kad95a]. **ULT** [PG03b]. **Ultra** [CDY+17, SCP+06, CH07, EKM04]. **ultra-lightweight** [CH07]. **Ultra-low** [CDY+17]. **UMI** [Wai83a]. **UML** [WPC12]. **UMTS** [LCJV+11]. **un-fully** [WYC03a]. **Unbounded** [CNV+06, DS92]. **Uncertain** [Zho16]. **uncertified** [KC95]. **uncomputation** [SV06]. **undergraduate** [Rob98, Rob08]. **underlying** [YWC04]. **Understanding** [Bla91, CS93, HT15, LJS+02, LRS+08, MMAS08, PLM06, RRP06, YZZZ06, Lov77]. **undetachable** [BMW02b]. **Undetectable** [DH95]. **unfair** [HS88]. **Unicorn** [OLLY02]. **unified** [CCLP81, VESM10, Wei98]. **Uniform** [Yan92, KBK02]. **unify** [WTB10]. **Unifying** [NTC+21, Str78]. **unions** [CC77]. **uniprocessor** [RTY+87]. **unit** [KEP07]. **uniting** [EDP06]. **units** [CFR98, JM98, Rat87]. **universal** [LEH86]. **Universe** [Kad95a]. **University** [Wai83a, GNB+09]. **UNIX** [BRW89, CE88, FPG89, Gue87, LC93, LCH+81, Mil78, ODH+85, Pon97, RT73, Tan87, THB06, Vog97, Che75c, Hol82, LGJS91, Neu00, PVB17, Ros78, dBB08]. **Unix-like** [Neu00]. **unknown** [WYC03b, WCYJ05]. **Unleashing** [Kad95b]. **unmet** [FM98]. **unobstructed** [WC02]. **unpredictable** [LSA+00a, LSA+00b]. **unreliable** [BJK+06, WYC03a, WCYJ05]. **Unrestrictive** [Hem89, TT00, Kea88]. **unsafe** [PGZ08]. **unsecured** [YWC04]. **unsolved** [Lam85]. **unstructured** [LFWL10]. **Unsupervised** [GLD+22]. **untampered** [SLS+05]. **Untrusted** [KDL+16, ZZNM01, SAL20]. **upcall** [GP95]. **upcalls** [Cla85]. **update** [EDZ07, PST+97, TTP+95]. **Updates** [IKK16, MR07, You92]. **upgrade** [CKK+07]. **Upgrades** [DNT10, HN12, SN13, HBB13]. **upon** [Bas72]. **URICA** [MCdL06]. **URL**

[vEBBV95]. **Usage** [MFBWW20, PBR+08, Ros78, Vog99, Vog00, MCdL06]. **Usage-awaRe** [MCdL06]. **Use** [Atw84, NHH+17, ZJL17, Nut94a, ATMZ01, CH14, HCBS04, NS93, PPT+93, San81, SMI80, Wol02]. **User** [BBM+81, BW01, Jon92, MQW95, NTC+21, RS02, RB24, ZZ03, ZWZ05, ACG86, ABLL91, AL91, ACT94, AMO+12, BF08, Cha73, CL04c, GP05, Gsc94, HL05, Jon93, KC05, LHY02, LLH02, LKY04, LK01, MCD+08, MSLM91, MDO94, MC96, MRA87, Moo82, OT95, OCF00, RSW08, Rus88, Sto07, TLH+07, YRY04, YZZZ06, vEBBV95, RB24]. **user-assisted** [RSW08]. **user-controlled** [Cha73, Sto07]. **User-defined** [RB24, Gsc94]. **User-Level** [RS02, BW01, MQW95, ZZ03, ZWZ05, ABLL91, AMO+12, MSLM91, MRA87, OT95, OCF00, vEBBV95]. **user-perceived** [MCD+08]. **users** [SS17]. **uses** [MZI08, TPO06]. **USIM** [Moo82]. **Using** [BM99, BNE16, CIP+23, CCEH00, COS+08, DBRD91, EBP16, EWCS96, FHL95, GCJ17, GKL95, GSCM16, HV08, Han83, HJT+93, Jan81, KL02, Nic87, SMRD06, SPBP06, ZWWL01, ZLJ16, AHB15, ATSV06, AJG07, ATSS09, BSM+12, BR09, BC08, CL04c, CCK04b, CHY05, CGM97, CJ05, CGKM11, Che84, CG06, Cla85, CR72, Coo78, DSGP05, EGE02, ELG95, FFBG08, GCM+94, GTHR99, GTHR00, GDRT13, GA08, GCTR08, GSM08, Hag87, HS88, HJ10, HC92, HC04, HN08, Hil92, HFC+06, JFV+96, JXT93, KT91a, KC95, KDS+06, KLY03, KCLZ98, Ku04, KC05, LFH+09, LHY02, LLH02, LKY04, LW04, Lei89, LFW04, Lom77, MCM07, MSF85, MFGSP12, NPC06, NV06, Oes01, PS09, PS96, PFK+22, PRD10, QPP02, RP07, RLD+17, RCL01, RHP+07, SH96, SL98, Sco04, Smo95, SCG01, SG05, SKPG01, Svi83, TSLBYF08, TDM12, TPO06]. **using** [Tug83, VBLM07, WP87, WK05, WL82, WSW05, WRA05, Wol02, Won93, YW04, YRY04, YS94, ZJS+11]. **utility** [DH73, PSZ+07, RD01]. **Utilization** [CYMT16, CYG+17, PPM17, CKDK91]. **utilizations** [GSM08, Rob96]. **utilized** [Rob96]. **Utilizing** [AVZR11, KKN00]. **UTLB** [CBD+98].

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