# A Bibliography of Publications about Multithreading

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## Title word cross-reference

**#4** [Pet00].

+ [BMV03]. 2 [TKHG04]. 3 [KSB+08, PYP+10]. cyclical [YLLS16]. $D^3$ [Evr01]. $F^2$ [BCS11]. $k$ [ZTN19]. $LU$ [VD08]. $N$ [ZJFA09]. $\pi$ [III01]. $QR$ [But13, GKK09, Myl22, VD08]. $QZ$ [Myl22].

**-based** [Rót19]. **-Calculus** [III01]. **-Machine** [Evr01]. **-way** [ZJFA09].

**.NET** [Rob03, Tim03, DHR+01, Rei01].

**/multi** [Taf13]. **/multi-threaded** [Taf13].

**'01** [USE01].

**1** [BM91, McM98a]. **1.0** [Sen19]. **1003.4** [GL91]. **1019** [Myl22]. **11** [ND16]. **11th** [IEE94a, IEE94d]. **'12** [Hol12]. **16-20** [IEE92]. **162** [Stu95]. **1991** [Ano91, Ano94e]. **1993** [ACM93b]. **1994** [ACM94a, ACM94d, Hon94, IEE94c].

**2** [BÇG14, DN94, Kan94, Kel94a, Kel94b, Mil95, Rei95, Ric91, Rod94, Sri93, WCW+04b, WCW+04c, WCW+04d]. **2.0** [BO01, LPD+11]. **2.6** [McM97]. **2000** [Ano99]. **2001** [ACM01]. **2003** [RM03, ACM03, AS14]. **2010** [Egg10]. **2011** [LCK11]. **2012** [Hol12]. **20th** [IEE95]. **21st** [ACM94b]. **22nd** [ACM95b]. **25th** [ACM98b, ACM98c]. **2k** [USE00b]. **2nd** [Ano94d, USE98a].

**3.0** [Ano97c, Bra97, BRM03, MRGB91]. **32-Way** [KAO05]. **35th** [Gol94]. **3D**

[Ano97b, Loe97].

**4** [BAM93, SKS+92]. **4th** [Ass96].

**5** [FLR98]. **5th** [Cha05].

**64-bit** [Kus15, SBKK99]. **6th** [DLM99].

**7th** [USE00b].

**80** [Bri89]. **821** [HBG02].

**9** [Pre90, Yam96]. **'90** [IEE90, GOT03]. **'91** [Wat91, Ano94e]. **915** [Dav11]. **'92** [IEE92]. **925** [YFF+12]. **'93** [ACM93c, IEE93]. **'94** [ACM94a, ACM94b, ACM94c, Hon94, IEE94a, IEE94c, IEE94d]. **'95** [ACM95b, KR01b]. **'96** [ACM96, Lak96, Ass96]. **'98** [ACM98b]. **'99** [ACM99a, Hol99b]. **9X** [GMB93].

**Abstract** [CSS+91b, CGSV93, DV99, KPP12, LMA+16, MJF+10, Ném00, CSS+91a, CSS+91c, Dil00, VDBN98, ZJFA09]. **Abstraction** [KI16, YDLW20, Bak95b, GSK+18, GPR11, ZSJ06]. **AC** [BGK94a, BGK94b]. **Accelerate** [JLA16]. **Accelerating** [BAZ+19, FNS+22, LS11, MSU+16, SMQP09, VGK+10a, VGK+10b]. **acceleration** [JSMP13, NBMM12]. **Accelerators** [MCS+22, NTR16, SGLGL+14]. **Access** [BP19, CmL21, Kle00, Spe94, VB00, AKSD16, APX12, CDD+10, Hig97, KFG15, MVY05, Sch89]. **access/execute** [APX12]. **accesses** [DTK+15]. **accessibility** [SSkP+07]. **Accounting** [LMA+16, EE09b]. **Accuracy** [SHK15, TO10]. **Accurate** [CPT08, VTSM12]. **Achieving** [AHW02, SP05, KGGK09, WTKW08]. **ACM** [ACM93b, RM03, IEE02, ACM98b, ACM99a]. **ACM/IEEE** [ACM98d]. **across** [ZP04]. **Activation** [KG94]. **Activations** [ABLL92, BVM19, DNR00, SS95]. **Active** [BKI06, BDJ06, Pla02, Ten98, Wei98a, SD95, WHJ+95]. **Actor** [BFSK20]. **actors** [Bri89]. **actually** [Pra95c]. **Ada** [ACM93c, Bar09, Dil93, GMB93, KPPÉR06, KR01b]. **ADAM** [Far96]. **adaptable** [LLLC15]. **Adaptation** [CMBAN08]. **Adaptative** [ABN00]. **Adaptive** [ALHH08, HBTG98, HTDL18, KI95, LYH16, PM14, RCC12, STY99, SLG04, SLG06, SGS14, TLGM17, WXAL22, WYT+20, ZWL15, BS06, Chr95a, Chr95b, Chr96, SLGZ99, TKHG04, ZLW+16]. **Adding** [Ply89, Ric99, McM97]. **Address** [CLFL94, PWL+11, CKZ12, Lie94]. **Addresses** [ZWGX22]. **Addressing** [WA08, CKD94, ZSB+12]. **ADL** [BVL09]. **Advanced** [BGG95, BP19, GBG95, Hei03, BZ07, GBB+05]. **Advances** [IEE97, JHM04, KKDV03, DLM99]. **Advantage** [Wei97]. **Adversarial** [FF10]. **Affinity** [HLH16, NAAL01]. **Age** [Cro98]. **agent** [Way95]. **Agents** [CWHB03, CR02, Way95, BDF98]. **Aggregate** [TGO99, TGO00]. **Aggressive** [Myl22]. **AGNI** [RBPM00]. **Agnostic** [SLJ+18]. **agreement** [GMW09]. **Aid** [Wei97]. **aided** [MCRS10]. **aids** [Mat97]. **Air** [MPD04]. **Al** [TLA+02]. **Albuquerque** [Ano94e]. **Algebra** [KLDB09, NBS+15, PHCR09, YSY+09]. **Algebraic** [ACM94c, Lak96, MR09, Wat91]. **Algorithm** [AT16, ABC+09, CNZS17, HH11, MP13, Myl22, OR12, Rót19, TT03, WYT+20, ZBS15, AG21, BKK17, GKK09, KGPH12, KNPS16, LCH+08, Mah11, Mah13, SCG95, TKHG04, Dav11, HBG02, Myl22, YFF+12]. **Algorithmic** [Lei97, BBH+17]. **Algorithms** [BP05, EJRB13, FS96, LA93, MNG16, NSP+14, Pan99, QOIM+12, TTKG02, TCF22, YMR93b, Bar09, ÇFG+12, CLRS09, FR95, GK05, Lei97, Lep95, NFBB17, QOQOV+09, RRMJ12, YM92, YMR93a,

Li05]. **algorithms-by-blocks** [QOQOV+09]. **Algorithms-by-Tiles** [QOIM+12]. **aliasing** [NA07]. **Aligned** [YWJ03]. **alignment** [KGPH12]. **Allaire** [Hig97]. **Alleria** [BP19]. **Alleviate** [BD00]. **Alloc** [KSU94]. **Allocating** [SEP96]. **Allocation** [MVZ93, Nak01, ZWL15, EFJM07, LLL10, Mic04, ZP04]. **Allocations** [LK20]. **Allocator** [BMBW00b, BMBW00a, BMBW00c]. **almost** [SV21]. **Alpha** [Ano00b]. **alphabet** [KNPS16]. **alphabet-independent** [KNPS16]. **Alternating** [CYYL18]. **alternative** [SV96c, SV96a, SV96b]. **Alternatives** [MB99, OA19, MKR02]. **Alto** [ACM01]. **ALU** [KDM+98]. **always** [DWS+12]. **always-on** [DWS+12]. **Amdahl** [CN14, NZ17]. **Among** [CB16, HMC95, SJ95]. **analysing** [NJK16, PV06]. **Analysis** [AKS06, BCZY16, BVM19, BE12, BE13, BTL+19, BBC+00, BLG01, BNH01, CGS+20, CC04, CH95, CGL92a, CGL92b, DSR15, EJRB13, Hai97b, Hol12, HLH16, LCK11, LML00, LHG+16, NBM93, PFP+22, REL00b, Rin01, RR99, SBCV90, SKV21, TAM+08, VP16, Yoo96a, Zub02, AC09, ACC+03, BGZ97, BBH+17, BPSH05, BBM09, CHH+03, CS12, CVJL08, Cor00, GBCS07, HEJ09, JPSN09, KTK12, KC09, Lei97, LBH12, LBE+98, Met95, NWT+07, PFH06, PL03, REL00a, REL00c, RS07, SR01a, SMK10, SRA06, SB80, TMC09, TR14, Wan94, WS06, WP10, WOKH96, WTH+12, dB09, vPG03]. **Analytic** [Squ94, MAF19]. **Analytical** [DKF94, SV19, VT96, SBC91]. **Analytics** [JGS+19, MCS+22, LTL+16]. **analyze** [LMC14]. **analyzer** [Fer13, HLB90]. **Analyzing** [ARA20, BB20, HRH08, Kor89, RHH10, TMCP10]. **anatomy** [Rei95]. **Android** [MKM14]. **animation** [WQLJ18]. **Annotations** [BM94, Wei98b, AGN09]. **Annual** [ACM93a, ACM98c, Gol94, Ass96, USE00a, ACM93b, USE96, USE98b]. **anomalies** [Sch89]. **Anomaly** [KW17]. **antipatterns** [BPSH05]. **Antonio** [USE92a]. **any** [Hig97, Mar07]. **API** [Ano00b, BFSK20, BDN02, DM98, LPD+11, Van97a]. **APL** [CJ91]. **applets** [McM96c]. **Application** [AMRR98, CA20, HTDL18, KZTK15, KSU94, PG92, PLT+15, SV19, TKA+01, TAM+08, Yas95, DWYB10, EJK+96, HDT+13, LVN10, LZ07, MRGB91, MKR10, Pha91, Pra95c, SE12, SS95, TKA+02, ZJS+11]. **Application-Level** [HTDL18, KSU94, PLT+15, HDT+13, LZ07, ZJS+11]. **Applications** [Ano00c, AZG17, AKP99, BKI06, BMBW00b, BNH01, Cha05, Chl15a, DVAE18, DSAD+18, DS16, Don02, Dru95, EV01, FF20, FURM00c, HC17, HMCP16, HWZ00, JYE+16, JLA16, KMjC02, KEMC22, KRH98, LWSB19, LPK16, Lar97, MGI14, MG15, PCPS15, PFP+22, PWL+11, Pul00, RD96, DFC+19, SGM+97, Sod02, Ten02, Tet94, TSV12, TLGM17, VCM19, VP16, Vol93, WJA+19, YG10, ZJS12, Ano92a, Ano92b, Ano94b, ASSS19, AAKK08, BWDZ15, BBFW03, BGZ97, BMBW00a, BMBW00c, BW97, DSEE13, BPSH05, BMV03, CB89, CB90, CSB00, CS12, CDP+21, FM92, FURM00a, FURM00b, GS02, GCRD04, HLB90, ISS98, JSMP12, JSMP13, KVN+09, LSW+18, MLCW11, MKM14, MKIO04, MLC04, MT02a, MT02b, MT02c, MKK99, MKR10, NR06, Omm04, PJZA07, RČV+10, Rei95, San04, SSN10, SKP+02, TMC09, TMCP10, TPZ21]. **applications** [TP18, VIA+05, VGK+10a, VGK+10b, WCZ+07, WXAL22, WT10, WOKH96, XMN99, YZ14, kSYHX+11, ZKR+11, Len95]. **Applied** [CmL19a]. **apply** [NZ17]. **Applying** [VTSL12, MT02a, MT02b, MT02c]. **Apprendre** [Swi09]. **Approach** [AZG17, BBSG11, CJW+15, ES97, FKT96, GMR98, KKW14, KS16, ND16, RCM+16, TY97,

VSDK09, WS08, Wei98b, YLLS16, BWDZ15, DHM+12, GB20, LGN92, LZW17, LZSS19, LZL+14, MS03, RCM+12, SCZM00, TP18]. **Approaches** [BLPV04, MB07]. **Approximate** [HFV+12, GEG07, GE08, KGPH12]. **Apps** [PCM16]. **April** [Ano00a, Ano03, USE01]. **arbitrary** [BGC14]. **Arbitration** [CFC+22]. **Arc** [CNZS17]. **Arc-Weighted** [CNZS17]. **ARCH** [Ada98]. **Architectural** [ACM94d, HEMK17, IAD+94, KC99, ME15, BS06, CMF+13, Fan93, WHG07]. **Architecture** [ACM98c, BBD+91, BVL09, BTE98, Car89b, CL95, DS09, DO95, EBKG01, For97, Gao93, GK94, GHG+98, GV95, GN92, HTZ+97, HMNN91, HHOM91, HHOM92, KBH+04a, KBH+04b, KIAT99, Man91, MM01, MB99, PVS+17, PTMB09, PKB+91, PS01, REL00b, RS08, SLJ+18, SCL05, SHK15, SSYG97, SKK+01, SZ02, TKA+01, VK99, ZL10, ACC+03, AAHF09, Ano97b, BT01, Bon13, CMF+13, CL94, CHH+03, Cho92, Don92, DGSB20, Dub95, Evr01, Far96, Fuj97, Gal94, GDSA+17, GL98a, Gol96, HF88, HKN+92, HMN+92, I+94, KHP+95, KT99, Loi95, Mah13, MK12, Ném00, NPA92, PYP+10, PDP+13, PWD+12, RGT17, REL00a, REL00c, RCDG06, SWYC94, Sod02, TPZ21, TNB+95, Tsa97b, UZU00, Wan94, WCC+07, YZ07, Yan97, CH04]. **Architecture-Agnostic** [SLJ+18]. **Architectures** [AT16, ABLM19, Day92a, Day92b, HD02, GGB93a, GN00, HPA+15, HMLB16, Hol98d, IXS18, IBST01, JLS99, KTR+04, LLKS12, LB92, LH94, LG06, LDT+16, MS02, MN00, MSU+16, NGGA94, QOIM+12, RLJ+09, SGM+97, TG99, THA+12, Tra91, TJY98, TSV12, VCM19, WG94, XWG+14, ZAK01, ABD+12, ABC+15, ABC+09, BIK+11, BS10a, BH95, CML00, ÇFG+12, Cat94, DTR18, FTAB14, GGB93b, GK05, Gil94, GL98b, HFV+12, ICH+10, JMS+10, LMC14, Lu94, MLCW11, MLC04, Mus09, OCRS07, PT91, PPA+13, PJZA07, PHCR09, RHH10, RKBH11, SBCV90, Sch98, Sha95b, SLG06, Squ94, SMQP09, SKA01, TE94a, The95, TKHG04, ZTN19]. **Area** [AMPH09, FGT96, Par91]. **Area-efficiency** [AMPH09]. **Aren't** [Sut99]. **Ariadne** [MR98]. **arising** [ARvW03]. **Array** [BVP+19, GS06, LHS16, PDMM16]. **Arrays** [BWXF05, SHW19, AR19]. **arrow** [GE08]. **arrow-type** [GE08]. **Art** [MP13, I+94]. **artificial** [KU17]. **ASAT** [SEP96]. **Ashes** [Thr99]. **ASN** [CJW+15]. **Aspects** [SB80]. **ASPLOS** [ACM94d]. **ASPLOS-VI** [ACM94d]. **Assembly** [TCF22]. **Asserting** [BS10b]. **assertion** [ÁdBdRS05]. **assertion-based** [ÁdBdRS05]. **assessment** [Mah13]. **Assignment** [BC98, RCM+16, KKT+18, MCRS10, ORH93, RCM+12]. **assisted** [Dub95]. **associated** [San04]. **Associative** [SW08]. **Assume** [BGP06]. **Assume-guarantee** [BGP06]. **Assumptions** [ES97]. **ASSURE** [SLP+09, Dye98]. **Asymmetric** [MNU+15, GA09, JSMP13, MWK+06, RBK+09, SCCP13, SMQP09]. **Asynchronous** [HH11, KFG15, KG07, KSD04, TP18, Yoo96a, GMR09, Kho97, KASD07]. **Asynchrony** [SRU98]. **Athena** [Egg10, Hud96]. **ATL** [SW97]. **Atlanta** [ACM99a]. **Atomic** [KKS+08, RD06]. **Atomicity** [DELD18, MWP+21, BLM06, BNS11a, BNS11b, BNS12, FF04, FFQ04, FF08, FFLQ08, FFY08, WS06]. **atomics** [ND13]. **Atomizer** [FF04, FF08]. **Attacks** [SBE+19]. **Audience1** [SBB96]. **Augmented** [GFJT19, LH09]. **August** [RM03, IEE99, USE93a, USE98a]. **Austin** [USE00b]. **Austria** [Hon94]. **authoring** [MCS15]. **Auto** [Pol90, RKHT17]. **Auto-vectorization** [RKHT17]. **AutoDock** [TO10]. **Automata** [ES97]. **Automata-Theoretic** [ES97]. **Automated**

[BSSS14, DRV02, FF20, KZC15, TR14]. **Automatic** [BVL09, HBTG98, JJY+03, KW17, Mou00, SSB+22, SEP96, YLLS16, GJ11, JSB+11, SLP+09]. **Automatically** [NWT+07, TG99, CJ91]. **autotuning** [CSV10]. **Availability** [SP07]. **Avenue** [Ano94d]. **avoid** [Pra95c]. **avoidance** [LC13, WLK+09]. **AVP** [Ano00b]. **Aware** [AGJ18, BHP+03, CCWY17, FSPD16, FSPD17, GVT+17, HC17, Kim14, LZS+08, LYH16, MNU+15, PR05, SLJ+18, EQT07, EE09a, HEJ09, KD22, LAH+12, MR09, NB12, PAB+14, PGB14, TAS07, XSaJ08, ZLW+16]. **Away** [GBK+09]. **AWTEventMulticaster** [Hol99b]. **axiomatic** [TVD10]. **AXP** [Ano97a].

**B** [Ano00c, DLZ+13]. **back** [ECX+12]. **Backup** [Ano00b]. **Balance** [SEP96]. **balanced** [CKZ12]. **Balancers** [KMAG01]. **Balancing** [HBTG98, KC98, KEMC22, KRH98, PGB16, THA+12, WYT+20, ZP04, Chr95a, Chr95b, Chr96, LTL+16, MKIO04]. **Baltimore** [IEE02]. **Bandwidth** [FSPD16, LTL+16]. **Bandwidth-Aware** [FSPD16]. **Barcelona** [ACM95a, ACM98c, DLM99]. **Barnes** [ZBS15]. **Barrier** [CJW+15]. **Barrier-Based** [CJW+15]. **barriers** [LZBW14, ZJFA09]. **Base** [VE93]. **Based** [Alf94, ARA20, AT16, AKP99, BVL09, BNH01, CJW+15, CKRW99, CMBAN08, DSR15, EGP14, GHG+98, GFJT19, HHOM91, HHOM92, KS16, KG05, KEL+03, KW17, KS97, KRH98, KNE+14, Kwo03, LLKS12, LG06, LS11, MWP+21, MGQS+08, MKC97, OB13, ROPdlT22, RSBN01, SG18, TESK06, WLM15, ÁdBdRS05, Ada98, AAHF09, Ama98, AKSD16, BKK17, CNQ13, CKD94, CKRW97a, CKRW97b, CNV+06, DG99, DWYB10, EG11, GDSA+17, GB20, GE08, HLGD19, JD08, JSMP13, KR01b, KKJ+13, KI16, KBF+12, LK15, LZW17, LLL10, Mus09, Myl22, NBMM12, NFBB17, PSG06a, PSG06b, PSG06c, PAdS+17, PAB+14, Ram94, RRP06, RWT21, Rót19, RS08, SKS+92, TE94a, WCW+04b, WCW+04c, WCW+04d, WQLJ18, YL16, Day92a, Day92b, RSB+09]. **Bases** [GK94, Swi09]. **basic** [JJ91, KTLK13, Esp96]. **Basis** [AGK96]. **Batching** [LML+19, DKG18]. **Be** [Pet03, Ano95a, Ano95b, Boe05, MMTW10]. **Beach** [USE92b]. **beat** [Gep00]. **becoming** [Ano92a]. **Behavior** [CA20, KLS92, LB17, REL00b, ACD+18, DESE13, GS00, REL00a, REL00c]. **Behavioral** [Sch17]. **Benchmark** [BTE98, EHSU07, Mül03]. **Benchmarking** [HHOM92]. **Benchmarks** [CRE99]. **Benefits** [MHG95, LB95, LB96b, SD95]. **benign** [NWT+07]. **Berkeley** [USE01]. **Better** [BDM98, Pla99, SV21]. **Between** [WG94, Pan99, SS95, Yam96, ZCSM02a, ZCSM02b]. **Beyond** [EKB+92, Sen19]. **biased** [RD06]. **Bibliography** [Bee98]. **Big** [JLA16, AC09, CDL13, LTL+16, LHS16]. **BIGSAM** [Ply89]. **binary** [BCCO10, KBF+12, TJY+11]. **binding** [RČV+10]. **Birthmarking** [TLZ+17, TLZ+18]. **bisection** [RRMJ12]. **bit** [Kus15, SBKK99]. **Black** [Pla99]. **BLAS** [ARvW03]. **BLIS** [VSM+16]. **Block** [ABLM19, CCWY17, KS97, ZM07, KTK12, KTLK13]. **BlockChop** [MK12]. **Blocking** [Ann96, GN00, Nak03, SB80]. **Blocks** [Pet03, QOQOV+09]. **Blue** [GBB+05]. **Boltzmann** [SKG+11]. **Bonn** [Wat91]. **Book** [Lar97, Van97a, Vre04]. **Bookshelf** [Ano99, Cro98, Wil97, Wil00]. **Boost.Threads** [Kem02]. **Boosting** [AKSD16, APX12, MLC+09, YZ07]. **boosts** [McM97]. **Bootstrapping** [KH18b]. **Borland** [Kel94a, Kel94b]. **Borrowed** [DC99, DC00]. **Borrowed-virtual-time** [DC99, DC00]. **Boston** [Ano94f]. **Both** [KZC15, CZSB16]. **Bothnia** [CCW+11]. **Bottle** [DSEE13]. **Bottleneck** [JSMP12].

**Bottlenecks** [SU96, Zub02, DSEE13, CS12, DSG17]. **Boulevard** [ACM99b]. **Bounded** [ITF+22, BMTZ21, LZTZ15, PAdS+17]. **Bounding** [Lun97, Lun99, MQ07]. **BowMapCL** [NTR16]. **Box** [Ano00b]. **Braids** [BS06]. **Branch** [AKS06, EPAG16, IBST01, CTYP02, CPT08, GL98b, MTS10]. **branches** [UZU00]. **breadth** [LAH+12]. **breadth-first** [LAH+12]. **Break** [BVM19]. **breakpoint** [Ram94]. **Bridge** [Ano00b]. **Bridging** [RKBH11, VDBN98]. **brief** [Hay93]. **Briefs** [Gar01]. **bring** [Pra95b]. **Bringing** [Jon91]. **Broadcast** [SW08]. **Broadcast/Reduction** [SW08]. **brokers** [Sch98]. **Browsing** [HF96]. **BSD** [SS95]. **BSDCon** [USE02]. **BSP** [SYHL14]. **BTRIMER** [TJY+11]. **Buddy** [ZWGX22]. **buffered** [DLZ+13]. **buffers** [Koo93]. **Bug** [FF20, NBMM12]. **bugs** [BFSK20, JWTG11, VTSL12]. **Build** [Tro18, KSB+08]. **Building** [Fon97, KS97, Pet03, ZM07, Omm04]. **Building-Block** [KS97]. **bulk** [RD06]. **Bulldozer** [BBSG11]. **Bunka** [Ano03]. **Burrows** [BVP+19, LHS16, NTR16]. **Bursty** [HMCP16]. **Bus** [MKC97, Cat94, HHPV15]. **Bus-Based** [MKC97]. **BVT** [DC99, DC00]. **Bytecode** [ABH+01, Coo02, GH03, A+01, CAR08].

**C** [Kel94a, Kel94b, Lev97, Pla98, Pla99, Rod95a, Vre04, Ait96, AGEB08, Ano99, BM94, Bau92, Bed91, BYLN09, BPL07, BA08, CFK+91, CGR92, Dug95, Eng95, Fin95, For95a, For95b, Gib94, Han97, HSD+12, HSS+14, HTZ+97, HLGD19, HH97, Jon91, KD97, Laf00, Lea96, Man91, Mil95, Mix94, Nag21, ND13, ND16, Pet00, Pla93, Pom98, PS03, PS07, Pul00, Ric91, Rót19, SG18, SC17, Sch90, TB97a, TB97b, Vol93, Wal00, Yam95, Yam96]. **C#** [KPPÉR06, Stä05]. **C-based** [RSB+09]. **C-Stream** [SG18]. **C/C** [Pla98, Pla99, BYLN09, ND13, ND16, Pet00, Pul00]. **C3I** [BTE98]. **CA** [ACM94d, IEE89, USE92b, Ass96, USE00a, USE01, USE02]. **Cache** [BCZY16, CmL21, CMX10, CCWY17, FJ08, GBP+07, GL98a, HL08, HKSL96, KLS92, KET06a, LLD17, PEA+96, PPG11, SLJ+19, WG94, ZJS12, ZWL15, Car89b, Cho92, KHP+95, KLH+99, MKR10, PPGS20, Raj93, Sha95a, SSkP+07, WCZ+07, ZJS10, ZKR+11]. **Cache-conscious** [GBP+07]. **Cache-oblivious** [HL08]. **CacheFlow** [KET06a]. **Cacheline** [PBL+17]. **Caches** [FJ08, PHBC18, KGGK09, ROA14]. **Caching** [DNT16, KC99, Boo93]. **calculations** [BD06]. **calculi** [LVS01]. **Calculus** [III01, ORH93]. **Caldera** [Ano97a]. **Calif** [ACM01]. **California** [ACM93b, ACM95b, ACM98b, IEE99, USE89, USE91a, USE93b, USE96, USE98b, USE01]. **Call** [GSC96, Hub01, ORH93, Xue12]. **callbacks** [VS96]. **calling** [TTY99]. **calls** [KASD07, TLZ+16]. **Cambridge** [USE93a]. **Can** [Ber96b, Dye98, Pet03, Ano92a, Ber96a, Hig97]. **Canada** [Ano00b, BT01]. **cannot** [Boe05]. **Cap** [HC17]. **Capabilities** [VD08, Ply89]. **capability** [CKD94]. **capability-based** [CKD94]. **capacity** [SSkP+07]. **Capping** [RCC12, CDP+21]. **capturing** [BKC+13]. **Carlo** [LTMK21]. **Carolina** [ACM93a]. **Cascadia** [ZL10]. **Case** [AH00, AGK96, Chl15a, EE14, LSB15, TAK+00, TESK06, VK99, BDLM07, CASA14, CL94, HJT+93, KPPÉR06, KI16, MSM+11, MN03, SP05, Sod02, YN09, LPD+11]. **Cathedral** [USE02]. **causality** [HH16]. **causes** [BFSK20]. **cavity** [RM99]. **CD** [Ano00b]. **CDSChecker** [ND13]. **CE** [Tim03]. **Center** [ACM98d, ACM99b, ACM00, Ano03, Hol12, IEE90]. **Centers** [JGS+19]. **Centric** [BDN02, Bre02, Ham96, DHM+12]. **Certified** [GSK+18]. **CFD** [DK02]. **CG** [TAK+00]. **CGRAs** [PJS15]. **chain**

[LTMK21, SBC91]. **Chaining** [JY15, KFG15]. **Challenge** [Ano99]. **Challenges** [Ano99, GJ97, AG06]. **Changing** [Gar01]. **channel** [MN03]. **Channels** [EPAG16]. **chant** [HCM94, Ano94c]. **Chapter** [SKK+01]. **Characterization** [Ano05, BCG+08, DS09, LPM17, MR94, MMM+05, DWYB10]. **characterizations** [GS00]. **Characterizing** [CA20, Gle91, OdSSP12, SSN10, MTPT12]. **Charleston** [ACM93a]. **Chassis** [Ano00b]. **Chebyshev** [Rót19]. **Checker** [FQS02, MWP+21, FF04, FF08, FFY08]. **CheckFence** [BAM07]. **Checking** [ES97, ND16, AHK08, AAJ+19, AD08, AGEB08, BAM07, BS10b, BNS11a, BNS11b, BNS12, CNQ13, Dil00, FFLQ08, Mil95, MQ08, ND13, PAdS+17, Sto02, TVD10, VGR06]. **Checkpoint** [ZSA13]. **Checkpoint/Restart** [ZSA13]. **Checkpointing** [CS02, ZSJ06]. **Chemkin** [Ano97c, Bra97]. **Chicago** [Ano94d]. **China** [IEE97]. **Chip** [AGJ18, CmL19a, HHOM91, KST04, KML04, KU00, KKS+08, LS07, LZS+08, LKBK11, LMJ14, MTN+00, MR09, PPG11, SV19, TESK06, VIA+05, Wea08, ZM07, CSM+05, DTK+15, GA09, KT99, MWK+06, SMK10, SKKC09, TEL95, TEL98a, TEL98b]. **Chip-Multiprocessor** [PPG11, KT99]. **Chip-Multiprocessors** [KU00, LMJ14]. **Chips** [Ano00a, Ano03, IEE99]. **Chiron** [TNB+95]. **Chiron-1** [TNB+95]. **Choice** [III01, TEE+96]. **Cholesky** [CIM+17, VD08]. **Chores** [EJ93]. **Chunking** [WLM15]. **CIL** [CAR08]. **Cilk** [BJK+95, BJK+96, FLR98, Joe96, Mil95]. **Cilk-5** [FLR98]. **CIO** [Ano94g]. **Circuit** [AMRR98]. **City** [Hol12]. **CLAM** [GMR98]. **CLAP** [HZD13]. **Class** [BS99, Cha02, Gib94, Rót19, VE93, CS00, MSLM91, Yam96]. **Classes** [Cal00, Fek08, How98, Lam95, SC17]. **Classical** [JSB+12, JSB+11]. **Classics** [Wil00]. **Classification** [CA20, KZC15, LMJ14, LCH+08]. **classifying** [NWT+07]. **Claus** [WP10]. **Client** [Day92a, Day92b, Sri95, Gol96]. **client-server** [Gol96]. **Client/Server** [Day92a, Day92b]. **clients** [CDL13]. **climbing** [CY09]. **Clique** [MP13]. **Clojure** [Hic20]. **Closure** [YMR93b, YM92, YMR93a]. **Cloud** [PFP+22, FKS+12, GDSA+17]. **clouds** [FGG14]. **Cluster** [BNH01, CRE99, HD02, KKH03, Kwo03, SCD+15, MWK+06]. **Clustered** [GSL10]. **Clustering** [JY15, LK15, RVR04, TAS07]. **Clusters** [BWXF05, FA19, WG99, ZBS15, BMV03, FWL03, TMAG03]. **CMP** [TAS07, AMPH09, CWS06, ICH+10, LLL10, SLJ+18, SSkP+07, ZJS10, ZJS12]. **CMP-based** [LLL10]. **CMPs** [GW10, JSMP13, SQP08a, SQP08b, SQP08c, YL16]. **CNNs** [ZDTM19]. **Co** [Goo97, SG18, AMPH09, BBH+17]. **co-design** [BBH+17]. **co-optimization** [AMPH09]. **Co-processor** [Goo97]. **Co-routine-Based** [SG18]. **Coarse** [NS97, SSK+18, ZM07]. **Coarse-Grain** [ZM07]. **Coarse-Grid** [SSK+18]. **coated** [Lep95]. **Code** [BBdH+11, CFC+22, Coo95, HYY+15, JSB+12, Kim14, KEL+03, MS02, Nag21, NS97, ND16, PR98, Roh95, RNSB96, TGBS05, Tra91, Ann96, AU21, BB00, JSB+11, SJ95]. **Codes** [CMBAN08, PHCR09, PT03]. **Codesign** [HPA+15]. **Codesigned** [MKM17]. **cognitive** [MCS15, PWD+12]. **cognizant** [LK13]. **Coir** [SG96]. **Cold** [Hig97, Hig97]. **Collaborative** [VSDK09]. **Collection** [AKP99, LB92, PUF+04, PF01, QSaS+16, KTK12]. **Collections** [Kle00, McM98a, McM98b]. **collective** [HMC95, SCB15]. **collector** [BBYG+05, DL93, HL93, WK08a, WK08c, WK08b]. **coloring** [ÇFG+12, GP05, SS10]. **Colt** [WN10]. **Combinator** [KLS92]. **Combined**

[WYT+20, UZU00]. **Combining** [HLGD19, KR01a, LZ07, CZSB16, ZLW+16]. **come** [Pol90]. **COMeT** [RCC14]. **Coming** [LS07]. **Commands** [KD97]. **Commercial** [SBKK99, BEKK00, EJK+96]. **Commodity** [FNS+22, ZLJ16, LVN10, RPNT08]. **Common** [BVP+19, Hol98a, Kuc92, BDF98, BDLM07, CL00, Küc91]. **Communication** [ABN00, BDJ06, DSR15, EHG95, FKT96, FGKT97, GMR98, HYY+15, OA08a, OA08b, OA08c, Pan99, PWL+11, Rod94, SKK+01, TKA+01, TCG95, BR92, DBRD91, GRS06, KASD07, Lam95, QSHI16, RR96, RR03, TG09, TKA+02, VS96, WHJ+95, ZCSM02a, ZCSM02b]. **Communications** [Ano03, BMN99, FJ08, SCB15, Sho97b, TP18]. **Commutativity** [AC09]. **Compact** [HEMK17]. **compaction** [WK08a, WK08b, WK08c]. **Comparative** [SKP+02, Yoo96a, PL03]. **Comparing** [KPPÉR06, SV96c, SV96a, SV96b]. **Comparison** [ILFO01, SAC+98, GL98b, KIM+03, MKIO04, MMTW10]. **Compass** [PWD+12]. **Compatible** [MM14, LBH12]. **competition** [YL16]. **Competitive** [MAH18]. **Compilation** [ACMA97, HLB94, BRRS10, GC92, HCD+94, Tsa97b]. **Compile** [CS95a, CS95b, TSY99]. **Compile-time** [CS95a, CS95b]. **Compile/run** [TSY99]. **Compile/run-time** [TSY99]. **Compiler** [ATLM+06, BD00, BF04, CHH+03, CSS+91b, CGSV93, DZKS12, JSB+12, LEL+99, Loc18, MCRS10, SCv91a, SCv91b, SYHL14, Sin99, TPZ21, TY97, TGBS05, YBL16, ZCSM02a, ZCSM02b, ZP11, BCG+95, BAD+10a, BAD+10b, BVG97, CAR08, CSS+91a, CSS+91c, DC07, Dub95, Fon97, Gol97, Hop98, JSB+11, MSM+11, McM97, Mül03, RKCW98, Sch91, SKKC09, UZU00, WLG+14]. **compiler-assisted** [Dub95]. **Compiler-Controlled** [CSS+91b, SCv91a, SCv91b, CSS+91a, CSS+91c, Sch91]. **Compiler-directed** [DZKS12, TPZ21, SKKC09]. **Compiler-Driven** [YBL16]. **compiler-managed** [WLG+14]. **Compiler-Supported** [ZP11]. **Compilers** [SS96]. **Compiling** [ABNP00, ABH+01, TLA+02, HTZ+97, Sch91, Sha98, A+01]. **Complement** [YFF+12]. **Complete** [BR15, MWP+21, Sch14, BW97, DWS+12, FFY08, KGGK09, NV15]. **Completion** [AGK96, BGK96, Lun97, Man98, BGK94c]. **Complex** [SZM+13]. **Complexity** [EG11, CMX10, SKA01]. **complexity-effective** [SKA01]. **Compliant** [BGK96, SP05, Hig97]. **component** [NFBB17]. **component-based** [NFBB17]. **Components** [Gon90, Sho97b]. **Composable** [MLGW18, SS10, FKS+12]. **Compositions** [KS97]. **Comprehensive** [TAM+08, BFSK20]. **Compressed** [PBL+17]. **Computation** [ACM94c, BFA+15, CWS06, HLB94, Hon94, HWW93, Kuc92, Lak96, OTY00, Wat91, BHKR95, Fan93, Fuj97, KKT+18, KG07, Küc91, NJ00, Sha98, ST98, WHJ+95]. **computation-to-core** [KKT+18]. **Computational** [LNI+19, PCPS15, Bar09]. **Computations** [BL98, FS96, KC98, KC99, WJ12, YWJ03, Blu92, BL93, BL94, BL99, Chr95a, Chr95b, Chr96]. **Compute** [BBSG11]. **Computer** [ACM98c, Ano94a, BVL09, CBN+00, Gol94, BD06, DNB+12, GK05, I+94, PBDO92, WQLJ18]. **Computers** [Ano94e, SS96, BCM+07, Boo93, LP09, SJ95]. **Computing** [ACM93b, ACM98a, ACM98d, ACM00, ABC+93, Ama89, CGS+20, CSM+21, CT00, Den94, EJ93, FTP11, FGKT97, Gar01, GRS97, Ham96, Hol12, HG91, IEE94b, KR12, Kon00, LCK11, LFA96, ME17, ROPdlT22, SRU98, SKV21, SZ02, TKZ+18, USE93a, Wea08, WN10, BGG95, BD06, Dan09, FWL03, GBG95, GS02, HF88, HG92, IEE97, Joe96, JCP17, KD22, Kim94, KU17,

Lan97, Leg01, Lu95, Mar07, PWD+12, SBCV90, Sen19, Sta90, SKA01, Tem97]. **Concept** [ÁMdBdRS02, BBFW02, KA97]. **Concepts** [McC97a]. **Concrete** [NSP+14]. **Concurrency** [AN22, BM94, GMGZP14, MLR15, MQLR16, ME17, NFBB17, Tro18, ZWL15, BFSK20, BA08, But14, CBM10, DKG18, GCC15, HZD13, LZ07, NBMM12, NJK16, RR96, RR03, SK12, VTSL12, Yan02, ZLW+16, dB09, SB80]. **Concurrency-preserving** [NFBB17]. **Concurrent** [BVM19, ILFO01, KD97, KCCD99, MSM+16, NPT98, PCM16, PF01, SV19, TJY98, AGN09, BBYG+05, Bar09, BO96, BC02, BCCO10, BAM07, Car89a, CVJL08, Cor00, DL93, FK12, GB20, GSK+18, HZ12, HL93, JPS+08, JP92, KIM+03, KGGK09, LPD+11, MSM+10, MKIO04, Men91, NHFP08, Nev99, ND13, ORS+06, STR16, San04, Sen08, ST05, Tsa97a, Tsa97b, WK08a, WK08b, WK08c, ZSJ06, Hay93]. **Condensed** [BIK+11]. **Condition** [Hol98c, Yan02]. **Conditional** [IBST01, NA07]. **Conditions** [HM96]. **Conference** [ACM92, ACM93a, ACM93c, ACM94a, ACM94b, ACM94d, ACM95a, ACM95b, ACM96, ACM98b, ACM98d, ACM99a, ACM01, Ano90, Ano94a, AOV+99, BT01, Hol12, IEE94b, IEE95, IEE96, IEE02, LCK11, USE89, USE91b, USE92a, USE93b, USE98b, USE00b, USE00a, Ano94d, Ano94f, Est93, KKDV03]. **confidentiality** [NSH14]. **Confidently** [Tro18]. **Configuration** [GPB+17]. **Confirmation** [CJW+15]. **conflict** [NJK16, vPG03]. **conformant** [Stu95]. **Congress** [Ano94d]. **Conjugate** [SSK+18]. **conjunction** [Ano94e]. **Connect** [Ano00b]. **conquer** [FN17, TP18]. **conscious** [GBP+07]. **Consistency** [ABH+00, AB01, AB02, CH95, LB17, Rob03, WC99, AAJ+19, BAM07, Cho93, DNB+12, GS00, HT14, QSQ14, RMV22, SNM+12]. **consistent** [NHFP08]. **Consolidated** [HC17]. **Constrained** [TLGM17, GW10, YN09]. **Constraint** [YDLW20, SCG95]. **constraints** [HB15]. **Construction** [KW17, LHS16]. **constructs** [BS06]. **consumption** [SCM05]. **Contact** [Nak03]. **Contemporary** [ZJS12, ZJS10]. **Content** [WLM15]. **Content-Based** [WLM15]. **Contention** [ALB+18, XSaJ08, ALW+15, DSG17, PGB14, TMCP10, ZKR+11]. **Contention-aware** [XSaJ08]. **Context** [BMTZ21, TLA+02, GN92, JLS99, FD95, LG04, MQ07, PAdS+17, PFH06, SCB15, Yan97, LG04]. **Context-bounded** [BMTZ21, PAdS+17]. **context-sensitive** [PFH06, LG04]. **contexts** [BGC14, TE94b, WW93]. **Contextual** [BGZ97, KH18a, NHFP08]. **continuation** [AAHF09]. **continuation-based** [AAHF09]. **continuations** [DBRD91, GRR06]. **Continuing** [Ano99]. **Continuous** [RCC14]. **Continuously** [DTLM14]. **Contour** [GFJT19]. **Control** [BP05, CmL19a, KW17, Lev97, PBR+15, SU01, SZM+13, SG96, CDD+10, DKG18, FK12, FSYA09, GCC15, MLCW11, NT14, PPA+13, PWWD18, Pol90, RPB+09, UZU00, WLK+09, Yoo96b]. **control-flow** [NT14]. **Controlled** [ALSJ09, BCG+08, CSS+91b, CGSV93, SCv91a, CSS+91a, CSS+91c, Luk01, MWP07, Sch91, SCv91b]. **Controller** [RLJ+09]. **controllers** [KASD07]. **controlling** [AGN09, BKC+13]. **controls** [McM96c]. **Controversial** [Gar01]. **Convention** [ACM98d, ACM99b, ACM00, Hol12]. **Conventional** [KET06b, HB92]. **Convergence** [RM03]. **conversational** [LG04]. **Converse** [BK96]. **Convert** [Vol93]. **Converting** [LEL+97a, LEL+97b]. **convolutions** [RB18]. **convolver** [Kep03]. **Cool** [Ano00a, Ano03, Wei97]. **cooperation** [BM07, SKBY07]. **Cooperative** [AMRR98, DNT16, ILFO01, LC13, KIM+03,

MKIO04, TCG95]. **coordinated** [KKJ+13]. **coordination** [BDF98]. **Coping** [San04]. **Coprocessor** [LRZ16]. **Coprocessors** [CSM+21]. **copying** [HL93]. **CORBA** [DHR+01, PSCS01, SV96a, SV96b, VS96]. **Core** [CC18, CvdBC18, FMY+15, FJ08, GBK+09, IXS18, KST04, KTR+04, MP01, MNU+15, MM01, MB05, PVS+17, PHBC18, PM14, QOIM+12, VCM19, ABC+15, AMPH09, ÇFG+12, CSM+05, DTR18, DWYB10, GW10, KKT+18, KBF+12, MLCW11, MLC+09, MTPT12, Mus09, RGT17, SMQP09, TPZ21, TCF22, VPQ12, WCC+07, YZ07]. **CoreDet** [BAD+10a, BAD+10b]. **Cores** [CSM+21, CCK+16, RRK11, TCS20, CWS06, MAF+09, SW16]. **coreSNP** [GAC14]. **Corner** [SW97]. **Corona** [VSM+08]. **Corporation** [Ano00b, Ano00b]. **correct** [DJLP10, SP00b, Shi00]. **Correction** [TLA+02, HTDL18]. **corrective** [LG04]. **Correctness** [Ram94]. **Correlation** [SLT03, PFH06, SLT02]. **cosimulator** [LT97]. **Cost** [TY97, Bet73, DC07, Tsa97b]. **cost-effective** [Tsa97b]. **Costs** [MHG95]. **COTS** [RGG+12]. **counterexamples** [NV15]. **Counters** [Wei98b]. **Counting** [Hol98c, Rec98]. **County** [ACM98d]. **Coupled** [MTN+00]. **coupling** [AG21]. **Course** [BLPV04, BZ07, GL07, She98]. **coverage** [RRP06, YNPP12]. **coverage-driven** [YNPP12]. **covering** [BCG13]. **Covert** [EPAG16]. **CPU** [ASSS19, BSSS14, PGB16, DFC+19]. **CPUs** [KS21, SKG+11, SMD+10, TCF22]. **Craftworks** [Ano97a]. **Cray** [BÇG14, Smi01, VTSM12]. **Create** [Ber96b, Ber96a, Len95]. **Creating** [Han97, Ten98]. **Creation** [Eng00, Rin99, Sin97]. **Crisis** [Ano99]. **Critical** [BLG01, CS12, OTY00, PFP+22, AU21, DTLM14, DESE13, NM10, RGG+12, San04, SMQP09, YL16]. **Criticality** [DESE13, NB12]. **Cross** [DSR17, Lam95, SHK15, BKC+13, CZSB16]. **Cross-Layer** [SHK15]. **Cross-platform** [Lam95]. **Cross-Thread** [DSR17, BKC+13, CZSB16]. **cruncher** [Yee20]. **CS1** [GL07]. **CSMT** [GSL10]. **CSP** [Nev99]. **CTS** [ASSS19]. **CUDA** [LBH12, MM14, PAdS+17, WJ12, YZ14]. **CUDA-compatible** [LBH12]. **CUDA-NP** [YZ14]. **CUG306** [Col90a]. **current** [LVA+13]. **Curve** [Rót19]. **customizable** [JP92]. **cut** [JEV04]. **Cycle** [LS11, EE09b]. **Cycle-Level** [LS11]. **Cycles** [CNZS17]. **Cyclic** [YLLS16, HKT93]. **cyclone** [Gro03]. **Cyclops** [ACC+03]. **Cyrus** [HDT+13].

**D** [KSB+08, NTKA99, PYP+10, TKHG04]. **Daemon** [Spe94]. **DAG** [LQ15]. **Dallas** [ACM00, USE91b]. **Dame** [IEE96]. **dans** [Zig96]. **DARPA** [Mat97]. **Data** [Ama89, ABNP00, DTLW16, EW96, FHM95a, GAC14, HMC97, HRH08, Hig97, HLH16, JMS+10, JGS+19, KZC15, KEL+03, KET06a, KET06b, LPK16, LMJ14, LLD17, ME15, ME17, ROPdlT22, RCRH95, SBN+97, SAC+98, SSYG97, SG96, TKZ+18, TKK21, Ten98, TESK06, VT96, Wil98, ZLJ16, ZAK01, AGEB08, AGN09, BAM07, CS95a, CS95b, CDL13, DHM+12, Evr01, FHM95b, FK12, HL93, LTL+16, LHS16, Mao96, MMN09, NWT+07, ND13, PDMM16, PRB07, PHCR09, Pol90, PS03, PS07, PT03, Sha95a, SP00b, Shi00, Sin99, SKKC09, TPZ21, WDC+13, YKL13, ZJS+11]. **data-centric** [DHM+12]. **Data-Driven** [DTLW16, KET06b, ME15, ME17, TESK06, Evr01]. **Data-Parallel** [ABNP00, ROPdlT22, SAC+98, HMC97]. **data-race** [MMN09]. **Database** [BAZ+19, KD97, MM14, YM92, YMR93b, Hig97, LBE+98, YMR93a]. **Databases** [AOV+99, GDSA+17, HL08, MIGA18]. **Dataflow** [CVJL08, FA19, GGB93a, Gao93, HPB11, HKSL96, LH94, NBM93, RSBN01,

SRU98, DFC+19, Tra91, YMR93b, BGG95, GGB93b, GBG95, HG92, JHM04, KHP+95, PT91, SKS+92, Sch91, YMR93a]. **Dataflow-Based** [RSBN01]. **dataflow/von** [HG92]. **datarace** [CLL+02, CVJL08]. **Datarol** [KA97]. **Datarol-II** [KA97]. **Dawning** [Cro98]. **DC** [IEE94c, ACM92, Ano90]. **DCE** [RD96, Yam95, Yam96]. **DDOS** [HBCG13]. **Deadlock** [Hol98a, Mou00, Ver97, ABF+10, GB20, SR14, WLK+09]. **Deadlocks** [CC14, CJW+15, CZWC13, JPSN09, PRB07]. **dealiased** [RB18]. **Deallocation** [LPE+99]. **dearth** [Len95]. **debate** [Bak95b]. **Debug** [MWP+21, PT03]. **debugger** [CB89, CB90]. **Debugging** [Ano98b, Caz02, HWZ00, MQLR16, PHK91, SJB92a, SJB92b, BGZ97, MLR15, WOKH96]. **decentralized** [RPB+09]. **Decision** [LFA96, LQ15]. **Decisions** [JGS+19]. **decomposition** [JEV04]. **Decompression** [PBL+17]. **Decoupled** [DO95, IXS18, APX12, Evr01, RVOA08, RCDG06, SKA01, VS96]. **decoupling** [KGGK09, PG01]. **Decoy** [MIGA18]. **Deductive** [ÁdBdRS08, BK13]. **Deep** [SM19]. **Deeply** [GKCE17]. **Defect** [OB13]. **Deflation** [Myl22]. **Defragmentation** [PVS+17]. **Delaunay** [ABC+09]. **Delivering** [SCCP13]. **DeLorean** [MCT08]. **Demand** [KKJ+13]. **Demand-based** [KKJ+13]. **Demus** [Sri93]. **Demus-2** [Sri93]. **dense** [ABD+12, MM07]. **Dependable** [SUF+12]. **Dependence** [CZS+17]. **Dependences** [DSR17, BKC+13, CZSB16]. **dependencies** [NPC06]. **Deployment** [GARH14]. **DepSpawn** [FA19]. **Depth** [McM96a, McM96b, McM96c, McM98a, McM98b]. **Derivation** [Kim14, SV19]. **Derivative** [TT03]. **describes** [Yam96]. **Design** [ACM94a, ACM99a, Ano94c, BRM03, BC94, CL95, GMB93, GRS97, GMR98, Hai97b, JGS+19, KHP+95, Laf00, LML+19, MB99, NBM93, Raj93, RCDG06, Sch17, STW93, Sha95a, SWYC94, SBKK99, The95, TAM+08, Ven98, ZBS15, AMPH09, BBH+17, BO96, Car89b, FWL03, HCM94, Hud96, KU17, KGGK09, Mah11, Met95, Moo95, Moo96, MKR02, Ném00, OKID92, OCRS07, RSB+09, SB80, Sri93, Ver97, WLG+14, Wan94, WCV+98, Xue12]. **designed** [San04]. **Designing** [CSM+21, Dru95, GKZ12, RR93, Rei95, TSV12, Hai97a, TCG95]. **Designs** [SM19]. **Desktop** [Ano97a, FURM00c, FURM00a, FURM00b, Mar07, Pra95b, WSKS97]. **desktops** [Ano94b]. **despite** [Len95]. **Destructing** [Pet00]. **destructive** [FF10]. **Desupport** [DHR+01]. **Detailed** [MKR02, ACC+03]. **Details** [FMY+15]. **Detect** [CNZS17, DS16, CZWC13]. **Detecting** [DSR15, RBK+09, SK97, FF10, JPSN09]. **Detection** [ABF+10, CC14, FF20, HTDL18, KUCT15, KW17, LS18, LLS06, Mou00, TLZ+17, TLZ+18, ZLJ16, AFF06, CLL+02, CVJL08, FF09, HR16, LLLC15, LTHB14, MKM14, MMN09, NBMM12, NAW06, NA07, PS03, PS07, PFH06, RVS13, RM00, SR14, Sch89, TLZ+16, TDW03, WDC+13, ZKR+11, DWS+12]. **Detection/Correction** [HTDL18]. **Detector** [SBN+97, SLG06]. **determined** [Kub15]. **determinism** [BS10b, LWV+10, LZW+13]. **Deterministic** [DK02, KRBJ12, LB17, LSS12, VSDL16, BAD+10a, BAD+10b, BAD+09, Bon13, DLCO09, DNB+12, LZBW14, MAAB14, OAA09, QSHI16]. **Deterministically** [MCT08]. **DetLock** [MAAB14]. **develop** [Fek08]. **Developer** [IEE96]. **developers** [Way95]. **Developing** [SP00b, Shi00, TKA+01, OT95]. **Development** [Ano97a, Ano98b, Ano99, Gil88, Sri95, Tet94, ARvW03, Hig97, Pom98, TNB+95]. **Device** [MSFC21]. **devices** [Xue12]. **diagnosing** [CS12]. **diagnostics** [GBB+05]. **diagrams**

[SK12]. **Diego** [ACM93b, ACM98b, USE89, USE93b, USE98b, USE00a]. **differences** [BFSK20, Yam96]. **Different** [BLPV04, GLC99]. **Differential** [BTL+19, Loe97, MQLR16, MLR15]. **Difficult** [CTYP02]. **Difficult-path** [CTYP02]. **Diffusions** [LTM+17]. **Digital** [SS91]. **Digraph** [CNZS17]. **dimension** [NJ00]. **dimensional** [AR19]. **DIMM** [ALSJ09]. **Direct** [PR98, KS21]. **Direct-threaded** [PR98]. **Directed** [LPE+99, STR16, AR19, DZKS12, Fan93, Sen08, SKKC09, TPZ21]. **directory** [QSQ14, HR10]. **DISC** [Don92]. **disciplines** [Bar09]. **Discrete** [WYT+20, Leg01, TKHG04, WLK+09]. **discussion** [Sho97a, Sho97b]. **Disintermediated** [BDJ06]. **Disjoint** [SJA12]. **Dispo** [MGK+00]. **Disruptions** [IMMP20]. **Dissecting** [ACC+03]. **Distance** [BCZY16, KZTK15, SV19, KNPS16]. **distinguish** [HL93]. **Distinguished** [ABH+01, TKA+01]. **Distributed** [ABNP00, ABH+01, BBD+91, BWXF05, BHKR95, BC94, CV98, CJK95, DKA16, FSS06, GJ97, Jen95, MGK+00, PG92, Pra95a, RLJ+09, RBPM00, RW97, RCRH95, SUF+12, TDW03, USE92b, VS96, Yas95, Ano96, A+01, BCG+95, CML00, Car89a, Gol96, GKK09, Gun97, HB92, HMC95, HWW93, HBCG13, IEE97, ISS98, Leg01, MS03, MLC04, MGL95, MKK99, Ong97, Pha91, Ply89, QSQ14, Sen19, Sto02, Tod95]. **Distributed-Memory** [RCRH95, BCG+95, HWW93]. **Distributed-sum** [TDW03]. **Distribution** [SSYG97, ZAK01, CY09]. **divergence** [MTS10]. **Divergent** [WJA+19]. **divide** [FN17, TP18]. **Divisors** [Kuc92, Küc91]. **DMP** [DLCO09]. **DNA** [LZL+20]. **Do** [Cri98b, Cri98a, RPNT08, Ber96a, Ber96b, YLLS16]. **Dock** [BCS11]. **Docking** [BCS11, TO10]. **document** [JCP17]. **documentation** [HF96]. **Does** [Hag02, RKK15, ZJS10, San04]. **doing** [Yam96]. **domains** [LAK09]. **DomLock** [AN22]. **données** [Swi09]. **Don't** [HHPV15]. **DOSThread** [VE93]. **DOTMIX** [RB22]. **DOTMIX-Pro** [RB22]. **DoubleVision** [Ano00b]. **downdating** [VV11]. **Downturn** [Gar01]. **DRAM** [LLKS12, kSYHX+11]. **DRAMs** [ALSJ09]. **drf** [MSM+16]. **DRFX** [MSM+10]. **Drinking** [CZSB16]. **Driven** [DTLW16, For95a, For95b, HLB94, KET06a, KET06b, LWSB19, ME15, ME17, TESK06, YBL16, CSV10, Evr01, RVS13, RSB+09, SLP08, SQP08a, SQP08b, SQP08c, YNPP12]. **driver** [CCW+11]. **DSLs** [RKHT17]. **DSM** [ABH+00, AB01, AB02, BDF98, KKH04]. **DSM-PM** [AB02]. **DSM-PM2** [AB01]. **DSMs** [FBF01]. **DTS** [BHKR95]. **Dual** [BBC+00, EHG95, KST04, DK02, MB05, WS08, CCW+11, FRL18]. **Dual-Core** [KST04, MB05]. **Dual-Level** [BBC+00, DK02]. **dual-mode** [FRL18]. **dual-personality** [CCW+11]. **Dual-Processor** [EHG95]. **Dual-Thread** [MB05, WS08]. **Duplex** [KG05]. **Duplication** [Kwo03]. **Dynamic** [BPSH05, CJW+15, CmL19a, FSYA09, GPB+17, HSS+14, Hig97, IMMP20, KMAG01, KPC96, KC98, KC99, KUCT15, KEMC22, LK20, MVZ93, MTS10, Nak01, PBL+17, RCRH95, RS08, SBN+97, SLG04, SKK+01, Sta90, SMP19, SG96, WHG07, XMN99, ZKW15, ZKR+11, ZL10, AR17, CAR08, Chr95a, Chr95b, Chr96, Don92, FF04, FF08, FFY08, FF09, HSD+12, JPSN09, KBF+12, LSS12, MK12, Mic04, NHFP08, RB22, SCB15, SLG06, TJY+11, WXAL22, WW96, BK13]. **dynamic-multithreading** [LSS12, RB22, WXAL22]. **Dynamically** [PGB12, TLGM17, DMBM16, Kep03]. **dynamically-typed** [DMBM16]. **Dynamics** [LNI+19]. **DyPO** [GPB+17].

**e6500** [BGH+12]. **Early** [GL91, Myl22, PBL+17, SLP08]. **EARTH**

[HTZ+97, HMT+96, Sod02, TAK+00, TKA+01, TKA+02, TMAG03, Nak03]. **EARTH-MANNA** [HMT+96, Sod02]. **Easy** [FA19, Har99]. **Easysoft** [Ano00b]. **ECMA** [Stu95]. **ECMA-162** [Stu95]. **economics** [Bar09]. **Edge** [CSM+21, ROPdlT22]. **Edge-Computing** [CSM+21]. **Edinburgh** [AOV+99]. **edit** [KNPS16]. **Editors** [GGB93a, GJ97]. **Education** [Gar01]. **Effect** [PFP+22, BAD+09, GL98b, YSY+09]. **Effective** [ABLL92, DN94, GH03, GMGZP14, NAW06, NSH14, PGB16, RVS13, Sat02, TMC09, TY97, WLT19, CBM10, JSB+11, MMN09, MTC+07, SKA01, Tsa97b]. **Effectiveness** [PR05, TE94b]. **Effects** [Cho93, HRH08, KLH+99, KRBJ12, NHFP08]. **Efficent** [TTKG02]. **Efficiency** [AJK+12, Ano05, IXS19, THA+12, AMPH09, FGG14, GA09, MMM+05, MWK+06, Pra95b, RCG+10, SP05]. **Efficient** [AD08, ALSJ09, Alf94, ABN99, AU21, BCZY16, BGDmWH12, BJK+96, BL98, BMN99, CZS+17, CFC+22, CYYL18, CLL+02, DMBM16, Gao93, GJT+12, GRS97, GS06, GN96, HMCP16, HSS+14, HR10, HEMK17, KPC96, KASD07, LS18, Lem02, LHG+16, LZBW14, MB07, MAAB14, NB99, PS03, RWT21, SP07, TY97, TGBS05, Tro18, ZLJ16, ZTN19, ZWGX22, ATLM+06, AG21, BL93, BJK+95, BHK+04, EKKL90, FWL03, FF09, GB99, HSD+12, KSB+08, KNPS16, KSD04, LK13, LWV+10, LML+19, LHS16, LZW+13, MSM+10, NLK09, OAA09, Pan99, PSG06a, PSG06b, PSG06c, PRS14, PS07, PPGS20, RL14, RB22, Sch91, SRA06, SP00b, Shi00, SGS14, SQP08a, SQP08b, SQP08c, TO10, Wei98a, kSYHX+11, ZLW+16, FSYA09]. **Efficiently** [KBF+12, MCT08, SW16, Blu95, BKC+13]. **eigenproblems** [ABD+12]. **eigenvalue** [BIK+11]. **Elastic** [SG18]. **Electronic** [Ano00b, BB00]. **Elegant** [Hub01]. **Element** [HBTG98, MS02, TCF22]. **elementary** [HKN+92]. **elide** [MLS15]. **Eliminating** [DSG17, OCT14, RD06, MTPT12]. **elimination** [MK12]. **elision** [NM10]. **Elliptic** [Loe97]. **EM-4** [BAM93, SKS+92]. **Embedded** [BVM19, BGH+12, DS09, Dru95, GKCE17, KG05, KE15, MS15, WM03, ZDTM19, DCK07, KVN+09, KASD07, KBF+12, LLLC15, LBvH06a, LBvH06b, LBvH06c, RSB+09, SKP+02, Xue12]. **Embedded-Systems** [Dru95]. **Embedding** [Pul00]. **emergencies** [MTPT12]. **Emerging** [VSM+08, WJA+19, GBP+07, HFV+12]. **empirical** [LC13]. **employing** [CWS06]. **Employment** [Gar01]. **Empowering** [JSB+12]. **Enabling** [CC18, Pan99, SMZ18, JMS+10, VGK+10a, VGK+10b]. **End** [SNM+12]. **End-to-end** [SNM+12]. **Energy** [ALSJ09, AJK+12, GJT+12, GKCE17, KE15, LK13, LML+19, LMA+16, PR05, RL14, AAC+15, CIM+17, GA09, KSB+08, MAF19, NB12, PJZA07]. **Energy-Aware** [PR05]. **Energy-Effectiveness** [PR05]. **Energy-Efficient** [GJT+12, LK13, LML+19, RL14]. **energy-performance** [PJZA07]. **enforcement** [GWM07, SCCP13]. **Engine** [SG18, SMP19, CNQ13]. **Engineering** [GJ97, LSB15, WCV+98]. **engines** [HB15]. **England** [ACM94c]. **Enhance** [FSPD17, FJ08]. **Enhanced** [Ano00b, EJ93]. **Enhancing** [KKT+18, OL02a, OL02b, OL02c, TKK21, HWW93, RHH10]. **Environment** [ABNP00, BC00, CdOS01, EC98, KKH03, PG92, BK96, DSH+10, GCRD04, GCC15, GBB+05, HMC97, Hud96, KG07, Lan97, Pha91, SWYC94, Sta90, Tem97, WCC+07]. **Environments** [AKP99, BDN02, KG05, SP00a, EJK+96, RGG+12, Sam99, Ver96, Way95]. **equality**

[AD08]. **Equalization** [TLGM17]. **Equations** [Loe97]. **equivalence** [AAJ+19]. **equivalent** [Pra95c]. **Eraser** [SBN+97]. **Errata** [Ano01, Ano05]. **Error** [EUVG06, OA19, SSN10]. **Errors** [SK97, VACG09]. **escape** [SR01a]. **Esterel** [LBvH06a, LBvH06b, LBvH06c, LvH12]. **Estimating** [PCPS15]. **etc** [Hol98a]. **European** [DLM99]. **EuroPVMMPI** [KKDV03]. **Evaluate** [EE14]. **Evaluating** [BL96, CML00, NPT98, PSCS01, RPNT05, Sch98, SD95, TG09]. **Evaluation** [Aru92, Boo93, BTE98, CL95, CBN+00, EJK+96, Eic97, GLC99, HN91, RNSB96, SCD+15, TT03, ZL10, BGDmWH12, BLCD97, Car89b, Cho92, Don92, LZ07, Mah11, MKR02, NFBB17, RGG+12, RCDG06, SWYC94, SKP+02, SMS+03, TGO00, TKA+02, WLG+14, WZSK19]. **Evaluations** [MM14, Roh95]. **evaluator** [SP00b, Shi00]. **even** [Ano94b]. **événements** [Swi09]. **Event** [Ber96b, CKRW99, For95a, For95b, WYT+20, Ber96a, CKRW97a, CKRW97b, GWM07, KCCD99, KBP+03, Leg01, LTMK21, RVS13]. **Event-Based** [CKRW99, CKRW97a, CKRW97b]. **event-chain** [LTMK21]. **Event-Driven** [For95a, For95b, RVS13]. **event-handling** [KBP+03]. **Events** [BDN02, LZ07, Van97b]. **Evolutionary** [TAK+00, KU17]. **Evolving** [MS87, MS89]. **Exact** [Sch17]. **examines** [Yam96]. **Examining** [Kan94, Ric91, Rod95a, Tim03]. **Example** [BLPV04]. **Exception** [DH98, Lea96]. **Exceptions** [ÁdBdRS08, KR01b]. **exclusion** [BRE92]. **exclusiveness** [Lie94]. **execute** [APX12]. **Executing** [Blu95, BS99]. **Execution** [ABH+01, BTL+19, CC18, CJ91, Coo02, EC98, Far96, GMGZP14, GS06, HMCP16, HEMK17, HZ12, IXS19, KS16, KLG08, KI95, KG94, ME15, MGK+00, MCT08, NBM93, NS97, PR05, RG03, RKK15, RSBN01, STY99, VSDL16, Ann96, A+01, BAD+10a, BAD+10b, BGC14, Dil93, JWTG11, LVN10, Luk01, PAB+14, PG03, SBC91, SJA12, SGS14, SQP08a, SQP08b, SQP08c, SMQP09, SMS+03, TSY99, TSY00, TDW03, UZU00, WCT98, XIC12, XSaJ08]. **Executions** [CdOS01, HZD13, Roh95, STR16]. **Exemplar** [BLCD97]. **Existing** [Ric99]. **EXOCHI** [WCC+07]. **expansion** [YKL13]. **Expectation** [SC17]. **Expectation-Maximisation** [SC17]. **expediting** [YL16]. **Experience** [BMR94, HLB90, Jon86, Yas95, RM03, GL91, Yam96]. **Experiences** [BHK+04, EHG95, PST+92, SGM+97, USE92b]. **Experimental** [BLCD97, EGC02, Kno14, YMR93b, GRS06, Pha91, WCW+04b, WCW+04c, WCW+04d, YMR93a]. **Experiments** [DV99, GMR98, SZM+13, VSM+16, VV00]. **Explicit** [DV99, VDBN98, BM07, URŠ02b, URŠ03, VV00]. **explicitly** [MT02a, MT02b, MT02c]. **exploit** [Ano92a]. **exploitation** [KVN+09, PSG06a, PSG06b, PSG06c]. **Exploiting** [AACK92, CmL21, EUVG06, FFQ04, KDM+98, KOE+06, Kwo03, LGN92, MG99, NAAL01, QSaS+16, ROPdlT22, SP07, TLZ+16, TEE+96]. **Exploration** [PTMB09, Sch17]. **Exploring** [AAKK08, BS10a, LPM17, SE12, WWW+02]. **Expressions** [Hei03]. **Extended** [BLG01, DV99, Rót19, VDBN98]. **Extending** [BF08, Mar03, PMCP22, RMV22, TCS20]. **Extensible** [CdOS01]. **Extension** [RCC14, CCW+11, Lan97, PDP+13, Tem97]. **Extensions** [Sch90, Bau92]. **external** [LWV+10]. **Extracting** [GP95]. **Extremal** [MNG16].

**FAB** [YWJ03]. **Facility** [KSU94]. **Facing** [KML04]. **Factorization** [ABLM19, But13, CYYL18, CIM+17, Dav11]. **Factorizations** [VD08]. **failing** [STR16].

**failure** [CZ02, LC13]. **failure-inducing** [CZ02]. **failures** [HZD13]. **Fair** [MQ08, FSPD17]. **Fairness** [ES97, FSPD17, GWM07, IMMP20, VS11a, SCCP13, WTKW08]. **false** [LTHB14]. **farms** [MR98]. **Fast** [BCS11, BRE92, GSC96, HN91, LDT+16, SSB+22, SMZ18, STY99, SLF14, ST05, VTSM12, ZSA13, ZCO10, BDLM07, CKD94, Kep03, Kus15, SV21, TT03, TTKG02]. **Faster** [PCM16, BDM98, RB22]. **FastTrack** [FF09]. **Fault** [BVM19, HTDL18, OA19, RRP06, RM00, VPC02]. **Faulty** [BVM19]. **FCRC** [ACM96]. **Fe** [Gol94]. **Feature** [LH09]. **Features** [GMB93, BDM98]. **Featuring** [RRK11]. **February** [USE89, USE00b, USE02]. **Feedback** [SQP08a, SQP08b, SQP08c, TGO99, ALHH08]. **Feedback-driven** [SQP08a, SQP08b, SQP08c]. **Felix** [Ano00c]. **Fernandez** [Ano00c]. **fetch** [EE09a, TEE+96, AGJ18]. **FFTs** [MJF+10]. **Fiber** [GDSA+17]. **Fiber-based** [GDSA+17]. **fibers** [BS06]. **Fibonacci** [GFJT19]. **FIFO** [HHOM91, HHOM92, QSaS+16]. **fifth** [ACM93b, AOV+99]. **File** [FG91, GJT+12, KS97, Pea92, WLM15, BLCD97, DZKS12]. **Files** [RRK11, CCC12, kSYHX+11]. **filtering** [Kep03]. **final** [HCM94]. **Finding** [MNG16]. **Fine** [AZG17, BBG+10, BSSS14, But13, CSS+91a, CSS+91b, CSS+91c, HG91, KG94, LKBK11, LVS01, LFA96, MKM17, NS97, PBR+15, DFC+19, TY97, TAK+00, YSS+17, BGK94c, Dub95, Gol97, KDM+98, Kim94, Loi95, MLC+09, Met95, PL03, RPB+09, TKHG04, Wei98a, kSYHX+11]. **Fine-Grain** [AZG17, CSS+91b, HG91, KG94, LFA96, CSS+91a, CSS+91c, TY97, KDM+98, Kim94, Loi95, MLC+09, Met95, PL03, TKHG04]. **Fine-Grained** [BBG+10, BSSS14, But13, LKBK11, PBR+15, DFC+19, TAK+00, YSS+17, LVS01, BGK94c, Dub95, Gol97, RPB+09, Wei98a, kSYHX+11]. **Finite** [HBTG98, MS02, TCF22, Cor00]. **Finite-Element** [MS02]. **finite-state** [Cor00]. **firmware** [ABB+15]. **First** [MSLM91, Wei97, LAH+12, MHW02, Hon94]. **First-class** [MSLM91]. **FL** [ACM94a]. **flat** [PPGS20]. **FlexBFS** [LAH+12]. **Flexible** [ABG+08, KS97, Lem02, MSM+16, SP00a, Sam99, SCM05, WW93]. **Floating** [LWSB19]. **Floating-Point** [LWSB19]. **Florida** [ACM98d]. **Flow** [AT16, Ama89, HH11, PBR+15, FSYA09, JD08, KBH+03, NT14, Pol90, RM99, RPB+09, SV98]. **fluid** [JD08]. **FluidCheck** [KS16]. **fly** [CWS06, PS03, PS07, Sch89]. **Focus** [EHP+07]. **Forces** [FTP11]. **Forecasting** [Ano98b]. **fork** [ALS10]. **fork-join** [ALS10]. **FORM** [TV10]. **Formal** [LPD+11, Stä05, BVM19, WP10]. **formalising** [RMV22]. **formation** [FSYA09]. **forms** [BIK+11]. **FORTH** [Jon86]. **FORTH-like** [Jon86]. **Fortran** [Ano97a, Ano97c, Bra97, AS14, GOT03, HBG01, HBG02, Nag01]. **forum** [Sho97a, Sho97b]. **Forwardflow** [GW10]. **foundation** [MCS15, RBF+89]. **Foundations** [BA08, Gol94]. **Four** [CH95, MTN+00, KNPS16]. **Four-Russians** [KNPS16]. **Four-Way** [MTN+00]. **Fourier** [TT03, TTKG02, BCS11, HN91]. **fourth** [USE96]. **FPGA** [DFC+19]. **FPGAs** [ROPdlT22]. **fragment** [APX12, MAF19]. **fragments** [LG04]. **Framework** [BMF+16, BVL09, BF04, BP19, CV98, DHR+01, EFG+03, KC98, KF97, LCS04, LMJ14, Loe97, NSP+14, Rei01, DFC+19, VSM+16, Yam95, ZDTM19, AMC+03, AL21, BDF98, EHSU07, GJ11, Hop98, PV06]. **France** [FR95]. **Francisco** [ACM95b, USE02]. **Free** [DELD18, Way95, AR19, DTLM14, GP08, MLS15, Mic04, PMCP22, ST05]. **free-lunch** [DTLM14]. **FreeBSD** [Ano00b, Bal02]. **freeness** [AHK08]. **Freescale** [BGH+12].

**French** [Zig96]. **frequent** [GBP+07]. **Friendly** [Nag21]. **Fthreads** [Nag01]. **Fukuoka** [Ano91]. **Full** [MHW02, GB99]. **Full-system** [MHW02]. **fully** [RD99, Stu95]. **Function** [Hub01, LLKS12, Rót19, TO10]. **Functional** [Coo95, DCK07, GS06, Kim94, KIAT99, LP94, SSP99, Gun97, RKBH11, TAN04, VGR06, WZWS08, ZSJ06]. **Functions** [Bed91, KI16]. **Further** [GV95]. **Fusion** [PWL+11, Hig97]. **futex** [BF08]. **Future** [Jon91, TAM+08]. **futures** [TTY99].

**GALAHAD** [GOT03]. **GAMBIT** [CBM10]. **Game** [DHR+01]. **GAMESS** [BB00]. **Garbage** [AKP99, LB92, PUF+04, PF01, QSaS+16, BBYG+05, DL93, HL93]. **Garcia** [Ano00c]. **Gateway** [Yas95]. **Gating** [RRK11]. **Gaussian** [SC17]. **GbA** [LZW17]. **GC** [HHPV15]. **Geant4** [SCD+15]. **GEMM** [SLJ+19]. **Gene** [GBB+05]. **Gene/L** [GBB+05]. **General** [Ber96b, BF04, HSS+14, Man98, YKL13, ZSA13, Ber96a, Car89a, DC99, DC00, HSD+12, MQW95, SKA01]. **General-Purpose** [Ber96b, HSS+14, Man98, Ber96a, DC99, DC00, HSD+12]. **generalized** [ABD+12, BCM+07, FTAB14]. **Generated** [BD00, MJF+10]. **Generating** [AZG17]. **Generation** [ARB+02, BVL09, Coo95, EFN+01, EEL+97, HEMK17, HYY+15, NBS+15, RNSB96, SSK+18, TGBS05, Tra91, TSV12, ABC+09, EFN+02, GJ11, Gep00, KI16, LK13, LSS12, LZSS19, Way95, CH04]. **generational** [DL93, WK08a, WK08b, WK08c]. **generations** [Roh95]. **generators** [SLF14, SV21]. **Generic** [ABH+00, AB02, Fer13]. **Genetic** [NSP+14]. **genome** [LHS16]. **GeoFEM** [Nak03]. **Geometric** [Caz02]. **Georgia** [ACM99a]. **Germany** [RM03, Wat91]. **getting** [MAH18]. **ghosts** [TVD14]. **Gigabit** [AHW02]. **Gigabit/sec** [AHW02]. **Gilgamesh** [SZ02]. **glasses** [CZSB16]. **Global** [HH11, PWL+11, Ten02, FWL03, LZBW14, OCT14, OA08a, OA08b, OA08c, Ano98b]. **globally** [CZWC13]. **gmm_diag** [SC17]. **gmm_full** [SC17]. **GNAT** [dlPRGB99]. **Go** [Mia90]. **Going** [Bak95b]. **Goldilocks** [EQT07]. **good** [Mat03]. **GPGPU** [CCWY17, LLKS12, YZ14]. **GPGPUs** [LSB15, ZWL15]. **GPS** [TVD14]. **GPU** [APX12, Bon13, DTR18, FTP11, IXS19, KI17, LWSB19, LTL+16, LML+19, LHG+16, LAH+12, Sen19, WLG+14, WJA+19, XWG+14, YSS+17, YSS+19, ZCO10]. **GPU-Oriented** [LHG+16]. **GPUDet** [Bon13]. **GPUMixer** [LWSB19]. **GPUs** [CSV10, DNT16, LBH12, SKG+11, VD08, WJ12]. **Grace** [BYLN09]. **Gradient** [SSK+18, MAF19]. **Grain** [AZG17, CSS+91b, HG91, KG94, LFA96, MKM17, NS97, ZM07, CSS+91a, CSS+91c, KDM+98, Kim94, Loi95, MLC+09, Met95, PL03, TY97, TKHG04]. **Grained** [BBG+10, BSSS14, But13, LKBK11, PBR+15, DFC+19, TAK+00, YSS+17, BGK94c, Dub95, Gol97, LVS01, RPB+09, Wei98a, kSYHX+11]. **Grande** [ACM01]. **Grande/ISCOPE** [ACM01]. **Granularity** [KI95]. **Graph** [ARA20, ÇFG+12, CL95, EJRB13, FNS+22, HPA+15, KS93, KLS92, MCS+22, MM14, LK15, LZW17, RVR04]. **graph-based** [LZW17]. **GraphCT** [EJRB13]. **Graphical** [ACR01]. **Graphics** [SSB+22, BGDmWH12, CCW+11, FSYA09, PYP+10]. **Graphs** [HPB11, Nik94, OB13, AD08, ABG+08, DSEE13]. **grass** [MMTW10]. **Greatest** [Kuc92, Küc91]. **Green** [SKP+02]. **greener** [MMTW10]. **Grid** [KEL+03, SSK+18]. **Grid-Based** [KEL+03]. **GRIDiron** [MCS15]. **grids** [SKG+11]. **Griffin** [Ano00c]. **Gröbner** [AGK96]. **Group** [BNH01, DLM99, QSHI16]. **Group-Based** [BNH01]. **Grouping** [OR12, WC99]. **groups** [WZSK19]. **Grove** [IEE89]. **Growth06_v2**

[Dan09]. **Guarantee** [Hag02, BGP06]. **Guarantees** [PSM01, YWJ03, GPS14, MTC+07, PSM03, ZHCB15]. **Guarded** [Sim97]. **Guest** [GGB93a, GJ97]. **GUI** [Tet94]. **Guide** [Ano99, BBD+91, LB96a, Wil97, BW97, ND96, RR96, Sun95]. **guided** [NB12]. **Guidelines** [RD96]. **GUIs** [Mia90]. **Gyrokinetic** [KEL+03, PWL+11].

**Hagenberg** [Hon94]. **Hagenberg/Linz** [Hon94]. **Halide** [DKA16]. **Hamilton** [Ric91]. **Handles** [Rec98]. **Handling** [DH98, LSB15, SK97, BM91, KCCD99, Koo93, KBP+03, Lea96, Met95]. **Hands** [Tro18]. **Hands-on** [Tro18]. **Harbor** [BBC+00]. **Hardware** [AGJ18, BVM19, BAZ+19, CKD94, CSS+91b, DVAE18, FNA+18, KE15, KH18b, LLS06, MWP07, MKM17, Men91, ROPdlT22, SW08, SSK+18, ZLJ16, ABC+09, BMF+19, CWS06, CSS+91a, CSS+91c, ECX+12, FSYA09, GP05, LT97, MLS15, MQW95, OCT14, PAB+14, PRS14, RPNT05, SE12, TE94b, DWS+12]. **hardware-aware** [PAB+14]. **Hardware-Based** [ROPdlT22]. **Hardware/Software** [MKM17, LT97]. **harmful** [NWT+07]. **Harmony** [KTK12]. **Harness** [Ama98, EBKG01]. **Hash** [GK05, VB00, RWT21]. **hash-based** [RWT21]. **Hash-join** [GK05]. **Hashing** [SMZ18, MIGA18]. **having** [YFF+12]. **Head** [Mia90]. **healing** [SLP+09]. **Heaps** [DGK+03, GFJT19, Man99, Ste01]. **help** [Len95]. **Helper** [ALS10, WCW+04b, WCW+04c, WCW+04d, WCW+04a]. **Here** [Ano92a, Pra95c]. **Hessenberg** [BKK17]. **Hessenberg-triangular** [BKK17]. **Heterogeneity** [CCK+16, Kwo03, RKBH11]. **Heterogeneous** [AT16, AACK92, FBF01, GPB+17, KTR+04, LPM17, Lu95, MSFC21, NTR16, SM19, THA+12, ZDTM19, FKS+12, GKZ12, KD22, LK13, SJ95, TPZ21, WCC+07]. **Heuristic** [HH11, Mah11, OCRS07]. **Heuristics** [MGI14]. **Hewlett** [BLCD97]. **HFS** [KS97]. **hiding** [BR92]. **Hierarchical** [GJT+12, JY15, KC98, KG94, BMV03, DZKS12, LK13, LQ15, RCDG06]. **Hierarchies** [AN22, BCZY16, TAM+08]. **Hierarchy** [ZM07, BGDmWH12, PMCP22]. **High** [ACM98a, ACM98d, ACM00, Ano00a, Ano03, BGH+12, CGS+20, CFC+22, CT00, FF20, FGKT97, Gar01, Hol12, HG91, IEE94b, LCK11, LG06, LMJ14, LML+19, LBH12, LHG+16, LCH+08, MR94, MSM+16, MPD04, ME17, MCS+22, NBS+15, PH97, RG03, SRS98, Sch17, SLJ+19, TCI98, VV11, WG99, WN10, WLT19, ZDTM19, AL21, CIM+17, GS02, HG92, Kim94, Lan97, RRP06, Rei95, Sen19, SQP08a, SQP08b, SQP08c, Tem97]. **high-** [RRP06]. **High-Level** [CFC+22, MCS+22, Sch17, FF20]. **High-Performance** [ACM98a, BGH+12, FGKT97, Gar01, IEE94b, NBS+15, RG03, SLJ+19, TCI98, WN10, LML+19, LCH+08, VV11, AL21, CIM+17, Kim94, SQP08a, SQP08b, SQP08c]. **high-powered** [Rei95]. **High-Speed** [Ano00a, Ano03, HG91, SRS98, HG92]. **High-Utility** [WLT19]. **Higher** [CJK95, NV15]. **Higher-Order** [CJK95, NV15]. **highly** [BGDmWH12, Kub15, KGGK09, MAAB14]. **Hill** [CY09, USE02]. **Hill-climbing** [CY09]. **Hilton** [IEE90]. **HippogriffDB** [LTL+16]. **Hist** [Gar01]. **history** [Ano97b, Hic20]. **Hoard** [BMBW00a, BMBW00b, BMBW00c]. **Hoare** [KI17]. **HoME** [OKID92]. **Homogeneous** [CC18, JGS+19]. **Hood** [Ven97]. **HoPE** [PBL+17]. **Hopping** [MSFC21]. **Hot** [IEE99, PBL+17, Gle91]. **Hot-Cacheline** [PBL+17]. **Hotel** [Ano94d, USE02]. **Householder** [BKK17, VV11]. **Householder-based** [BKK17]. **Householder-like** [VV11].

**Houston** [Cha05]. **HP** [Ano95a, Ano95b, Yam96]. **HP-UX** [Ano95a, Ano95b, Yam96]. **HPC** [GKK09, KC09, PLT+15, SLJ+18]. **HPF** [BMV03, CM98]. **HTM** [KGGK09]. **HTMT** [Gar01]. **HTTP** [Zha00]. **Hut** [ZBS15]. **HW** [ZDTM19]. **HW/SW** [ZDTM19]. **Hybrid** [BBG+10, Gao93, JYE+16, LH09, MS02, NBM93, YZ07, GKK09, HG92, LZSS19, MK12, MTC+07, SKS+92, Sha95b, kSYHX+11]. **Hybridizing** [CZS+17]. **Hyper** [PFP+22]. **Hyper-Threading** [PFP+22]. **Hyperion** [A+01]. **Hyperobjects** [LS18]. **hyperscalar** [Raj93, Sha95a]. **Hyperthreading** [HRH08, KM03].

**I-WAY** [FGT96]. **i.e** [USE98b]. **I/O** [RM03, Ano95a, Ano95b, ABB+15, BDN02, KSU94, LTL+16, Man98, MG15, Yoo96a]. **IBM** [ABB+15, CJB+15, KST04, LSF+07, WZWS08]. **Id** [Nik94]. **IDA*** [Mah11]. **Ideas** [JLA16]. **idempotency** [KOE+06]. **identical** [LSW+18]. **Identification** [SBE+19, JSMP12]. **Identify** [BTL+19]. **Identifying** [BCZY16, LZL+20, SU96, DESE13]. **IEEE** [ACM98d]. **IFIP** [BT01]. **Igniting** [ACM03]. **II** [HCD+94, IEE89, JJ91, KA97, KR01a, McM96b, Wal95]. **III** [Ano00a, USE92b]. **Illinois** [GHG+98]. **Illinois-Intel** [GHG+98]. **Illuminating** [BLPV04]. **ILP** [OCRS07, RLJ+09]. **im** [HL93]. **Image** [WN10, BÇG14, Kep03, RKHT17]. **Impact** [KLG08, LK20, SCL05, TE94a, ZAK01, Div95, Met95, RGG+12, RPNT05]. **Impaired** [Wei97]. **imperative** [SV98]. **implement** [DBRD91]. **implementable** [TEE+96]. **Implementation** [ACM94a, ACM99a, Alf94, AB01, AKP99, BBD+91, BHP+03, BRM03, CWHB03, DSH+10, FLR98, Hai97b, KA97, MS02, Nik94, STW93, TKA+02, TMAG03, BK96, BB00, BMV03, CMX10, DL93, FGT96, GCC99, GB99, IAD+94, KASD07, Lev97, Li05, LZ07, LAH+12, NFBB17, OKID92, RGT17, Stu95, Tod95, YZYL07, Ano95a, Ano95b]. **Implementations** [Han97, SAC+98, Ram94, SKG+11, Sha95b]. **implemented** [Boe05, KEL+03]. **Implementing** [ABH+00, AB02, BP05, CB89, CB90, Day92a, Day92b, DPZ97, GMB93, GSC96, HPA+15, KR01b, KBA08, KIAT99, Pra95a, TY97, TAN04, BHK+04, Lie94]. **Implications** [RM03, BS96, VSM+08, CSM+05]. **Implicit** [BAM93, MS02]. **Implicitly** [ACMA97, PFV03, SAC+98, RB18]. **Implicitly-multithreaded** [PFV03]. **Improve** [FSPE20, GV95, KH18b, QSaS+16, RKK15, Sin99]. **Improved** [BR92, GMGZP14, LLS06, Smi06]. **Improving** [AJK+12, AN22, BDN02, CCWY17, DKG18, FT96, FM92, FBF01, GA09, IXS19, IBST01, LYH16, Man99, MEG03, Nak01, PG01, PAB+14, MCRS10, TO10]. **In-Memory** [BAZ+19, RWT21]. **In-Order** [RRK11]. **In-place** [SGLGL+14, SCM05]. **in-situ** [LSW+18, RGK99]. **IN-Tune** [RGK99]. **includes** [SJ95]. **incomplete** [HR16]. **incompressible** [RM99]. **Incorrectly** [SCL05]. **Increasing** [DELD18, PHCR09]. **Incremental** [BFA+15, Caz02, Lar95, LB92, BBYG+05]. **Independent** [DS09, EW96, FSS06, USE93a, KNPS16, MEG94, PG03, WZSK19]. **Independently** [ALSJ09]. **indexing** [MIGA18, MLS15]. **induced** [MTPT12]. **inducing** [CZ02]. **Industrial** [KW17, Kon00]. **Industry** [DM98]. **Industry-Standard** [DM98]. **inference** [FFLQ08]. **inflation** [OdSSP12]. **InfoDock** [Ano97a]. **Information** [BS96, PBR+15, CML00, KKT+18, KBH+03, RPB+09, SV98]. **Informix** [Ger95]. **Initial** [BTE98]. **Injection** [SBE+19]. **Inline**

[GH03, DJLP10, EKKL90].
**Inline-Threaded** [GH03]. **Inlining** [PR98, LQ15]. **innovating** [JD08]. **Innovation** [ACM03]. **innovations** [ABB+15]. **Input** [BCG13, MP89, Tan87]. **Input-covering** [BCG13]. **input/output** [MP89]. **Insertion** [CmL21]. **Insight** [IEE02]. **Instruction** [DV99, HMNN91, LEL+97a, LEL+97b, MCFT99, RYSN04, RS08, TCS20, AMC+03, Aru92, Cho92, HKN+92, HMN+92, KBF+12, LGN92, Mis96, OA08a, OA08b, OA08c, PYP+10, Raj93, SD13, SMS+03, TEE+96, VS11b, VDBN98, VV00].
**Instruction-Level** [LEL+97a, LEL+97b, MCFT99, LGN92, SD13].
**instruction-systolic** [PYP+10].
**instructions** [PPA+13]. **instrumentation** [RS07, XMN99]. **Integer** [Ger18, GH98]. **integral** [Küc91]. **integrated** [CCW+11, MTS10, RD99]. **Integrating** [Cal00, CM98, DNR00, DTLW16, FKT96, TTY99, Tsa97b]. **Integration** [BWXF05, KSD04, KASD07, SD13]. **integrity** [NT14]. **Intel** [ARB+02, CCW+11, GHG+98, PDP+13, RMV22, SCD+15]. **Intel-x86** [RMV22]. **intensity** [BD06]. **Intensive** [LK20, TKA+01, AAKK08, TKA+02, YSY+09]. **Interaction** [Hei03, HF96, Pan99]. **Interactions** [WG94, WSKS97]. **Interactive** [FURM00c, PTMB09, SSB+22, WOKH96, CSB00, FURM00a, FURM00b, HJT+93, KG07, Lan97, MCS15, Tem97]. **Interconnection** [NGGA94, RR93, SMK10]. **Interface** [Chl15a, HBG01, HTDL18, KKDV03, MS89, Met95, PS01, SW97, Ada98, DLM99, HBG02, Li05, MQW95, MS87, MEG94, TNB+95, FGT96]. **Interfaces** [Han97, HF96, LG04]. **Interference** [BTL+19]. **Interleaving** [LGH94, YN09]. **Intermediate** [McC97a]. **Internals** [MM01, Wea08]. **International** [ACM92, ACM94c, ACM94d, ACM95a, ACM96, ACM98c, Ano91, Ano94a, Ano94d, Ano00a, Ano03, AOV+99, Cha05, EV01, Hol12, Hon94, Lak96, LCK11, Wat91, FR95]. **Internationalization** [Ano98b]. **Internet** [Ano96, Hig97, SBB96, van95].
**Interoperability** [DHR+01, Way95].
**interplay** [MLS15]. **Interpretation** [GH03, LG04]. **interpreter** [OCT14].
**Interprocedural** [NR06]. **Interprocess** [Rod94]. **Interrupts** [KE95]. **Interval** [AN22, Kub15]. **Intra** [MKR10].
**Intra-application** [MKR10]. **Introducing** [GL07]. **Introduction** [CLRS09, Dra96, GGB93a, GJ97, Mas99, Bir89, GC92, Hay93, She98]. **Intrusive** [Caz02]. **INUX** [DNR00]. **invasive** [RGK99]. **Inverse** [HMLB16, GEG07].
**inverses** [GE08]. **inversion** [JCP17].
**Invocation** [SKK+01]. **IPC** [EE14, Koo93].
**IPs** [Sch17]. **iReplayer** [LSW+18].
**IRREGULAR** [FR95, FF20, TSV12, ZAK01, TP18].
**irregularly** [FR95]. **ISA** [KTR+04, MNU+15]. **ISCOPE** [ACM01].
**Isolating** [CZ02, JWTG11]. **Isolation** [FSPE20, CMX10, MTC+07, SKBY07].
**Isomigration** [ABNP00]. **ISSAC** [ACM94c, Lak96, Wat91]. **Issue** [KU00, RYSN04, Ano94e, GGB93b, TEE+96].
**Issues** [GMB93, PS01, ARvW03, Ann96, GC92, HCD+94, IAD+94, TCG95]. **Issuing** [HMNN91, HKN+92, HMN+92]. **Itanium** [MB05, WCW+04b, WCW+04c, WCW+04d].
**Itanium-2** [WCW+04b, WCW+04c, WCW+04d].
**Itemset** [WLT19]. **iterations** [UZU00].
**Iterative** [MQ07, Nak03, AAC+15].
**iThreads** [BFA+15]. **IUknown** [SW97].
**Ivan** [Ano00c]. **IXP** [ARB+02, LCH+08].
**IXP2800** [AHW02].

**J.UCS** [KU00]. **January** [ACM94b, ACM95b, ACM98b, Ano90, USE89, USE91b, USE93b, ACM93a]. **Japan**

[Ano91, Ano00a, Ano03]. **JaRec** [Chr01, GCRD04]. **Jason** [Ano00c]. **Java** [ACM98a, ACM01, Ano97a, USE01, AFF06, ÁMdBdRS02, AddS03, ÁdBdRS05, ÁdBdRS08, Ait96, Ano96, Ano97c, Ano98b, ABH+00, ABH+01, A+01, AG96, ACR01, ABG+08, BZ07, Ber96b, BVG97, BAD+09, BR15, BPSH05, BHK+04, BS00, Bra97, BP05, BLPV04, Cal02, CV98, CKRW97a, CKRW97b, CKRW99, CWHB03, CC04, CCH11, Chr01, CT00, Coo02, Cor00, Cri98b, Cri98a, DJLP10, DH98, DRV02, DLZ+13, DS09, Dil00, DGK+03, Dra96, DHR+01, Dye98, EFN+01, EFN+02, EFG+03, EQT07, FSS06, FWL03, Fek08, Fer13, FFLQ08, GH03, GCRD04, GS00, GEG07, GE08, GLC99, Hag02, Ham96, Hei03, Hol98d, Hol98a, Hol98b, Hol98c, Hol99a, Hol99b, Hol00, Hyd00, KPPÉR06, KBP+03, LB00, LCS04, Loc18, Loe97, Man96, MP01, McM96a, McM96b, McM96c, McM98b, McM97, Mit96, MC06, NAW06]. **Java** [NM10, NR06, Nev99, OW97, OW99, PSM01, PSM03, PRB07, Pet03, PUF+04, PV06, PG03, RKCW98, San04, SE12, Sat02, Sch14, Sho97a, Sho97b, SBE+19, Sto02, SMP19, SKP+02, Van97a, Ven97, Ver97, WN10, Whi03, XSaJ08, Xue12, Yan02, van95]. **Java-like** [DJLP10]. **JavaBeans** [Van97b]. **javar** [BVG97]. **JavaScript** [PCM16, VP16]. **Javier** [Ano00c]. **Jersey** [MT93]. **JIT** [McM97]. **job** [EE10, EE12, ST00a]. **Jobscheduling** [ST00c, ST00b, STV02]. **John** [Ano00c]. **Joho** [Ano03]. **join** [ALS10, GK05]. **Joint** [FTP11, KS21]. **Jones** [Ano00c]. **Jorgenson** [Ano00c]. **Jose** [ACM94d]. **Journeyman** [Bec00]. **JPF** [WKG17]. **JPR** [WKG17]. **Jr** [ACM99b]. **Julia** [BB20, Kno14, Sen19]. **July** [ACM92, ACM94c, ACM95a, ACM98c, EV01, IEE96, Lak96, Ass96, USE96, Wat91]. **June** [ACM94a, ACM98c, ACM01, Ano94f, USE92a, USE00a]. **JUnit** [Goe01]. **just** [KBF+12]. **just-in-time** [KBF+12]. **JVM** [Lan02, McM97, USE01, WKG17].

**K-Java** [BR15]. **KAI** [Ano98b]. **Kaikan** [Ano00a]. **Karlsruhe** [RM03]. **Kaspersky** [Ano00b]. **Kendo** [OAA09]. **Kernel** [Alf94, ABLL92, Bal02, DNR00, EBKG01, EKB+92, Kor89, MM01, MSFC21, ZSA13, Ano95a, Ano95b, BF08, JJ91, MP89, SS95]. **Kernel-Based** [Alf94]. **Kernels** [KI17, dlPRGB99, GLC99]. **Kiel** [LvH12]. **Kikai** [Ano00a]. **Kikai-Shinko-Kaikan** [Ano00a]. **kinds** [San04]. **kinematical** [BD06]. **Kinematics** [HMLB16]. **King** [ACM99b]. **Kingdom** [ACM94c]. **Kitsune** [HSD+12, HSS+14]. **Klessydra** [CSM+21]. **Klessydra-T** [CSM+21]. **Knoxville** [IEE94b]. **Kroll** [Ano00c]. **KUMP** [NTKA99]. **KUMP/** [NTKA99].

**L** [DNR00, GBB+05]. **L1** [PHBC18]. **L2** [SLP08]. **L2-miss-driven** [SLP08]. **L3** [FJ08]. **Lab** [Ano00b]. **labeling** [D'H92]. **Lafayette** [EV01]. **Lake** [Hol12]. **lambda** [ORH93]. **Laminar** [PBR+15, RPB+09]. **LAN** [Yas95]. **LAN/WAN** [Yas95]. **Landing** [TAK+00]. **Language** [ACM94a, ACM99a, ACMA97, BS06, FLR98, GS06, KN17, Kno14, KIAT99, Sat02, BO96, CFK+91, ECX+12, GPS14, Jon86, KN19, LT97, Man96, Mil95, Ong97, PRB07, RL14, SV98, Smi06, TMAG03, VGR06]. **Languages** [ACM93a, ACM94b, ACM94d, ACM95b, ACM98b, Coo95, MSM+16, NPT98, OTY00, SCv91a, SS96, TY97, DMBM16, HL93, JP92, JHM04, MSM+10, Sch91, SCv91b, ST98, TAN04]. **LAPACK** [ARvW03]. **Laptops** [Ano00c]. **Large** [AOV+99, CC14, CJW+15, GN92, JLA16, JCP17, LA93, Rót19, SKV21, BCM+07, Boo93, GOT03, Koo93, SMK10, WCV+98]. **Large-Scale** [CC14, CJW+15, LA93, SKV21, BCM+07, GOT03, SMK10]. **Latencies** [Sch17, BS06]. **Latency** [BD00, BAZ+19, Fan93, ÖCS01, PFP+22,

SW08, Smi01, SKK+01, WWW+02, YLLS16, ASSS19, BR92, DC99, DC00, Jef94, Luk01, MVY05, PG01, TK98]. **Latency-Critical** [PFP+22]. **Latency-directed** [Fan93]. **Latency-Resistant** [YLLS16]. **latency-sensitive** [ASSS19, DC99, DC00]. **Latency-Tolerant** [ÖCS01]. **lattice** [SKG+11]. **Law** [Gar01, NZ17, CN14]. **Layer** [SHK15, CDD+10]. **layers** [GSK+18]. **layout** [DZKS12, HB15]. **Lazy** [GSC96, Gol97, ITF+22, LP94]. **LB4OMP** [KEMC22]. **LCMT** [LKBK11]. **leadfoot** [HHPV15]. **Leakage** [Mus09, SYHL14]. **Leakage-saving** [Mus09]. **leaks** [ZJS+11]. **Learned** [HPA+15]. **Learning** [CmL19a, CYYL18, DS16, LPM17, ROA14, GB20, PWWD18]. **learning-based** [GB20]. **least** [FTAB14]. **least-squares** [FTAB14]. **lecture** [Egg10]. **Lenient** [SCv91a, Sch91, SCv91b]. **Lepp** [RRMJ12]. **Lepp-bisection** [RRMJ12]. **Lessons** [RM03, HPA+15]. **Letters** [DHR+01, TLA+02]. **letting** [AC09]. **Level** [ABLL92, BBC+00, CFC+22, FURM00c, GP95, HTDL18, JYE+16, JLS99, DK02, KSU94, LS11, LEL+97a, LEL+97b, MG99, MR94, MGI14, MCS+22, PLT+15, RR93, Ric99, Sch17, SLT03, YBL16, BBH+17, CCC12, DG99, EE09a, FF20, FURM00a, FURM00b, GMW09, GPS14, GRR06, HDT+13, JEV04, KDM+98, KVN+09, KC09, Lan97, LGN92, LZ07, MSLM91, MT02a, MT02b, MT02c, MQW95, MCFT99, OT95, OCRS07, PO03, PT03, QOQOV+09, RGT17, STY99, SD13, SLT02, SCZM00, Tem97, WS08, YZYL07, YZ14, ZJS+11]. **Level-2** [Ric99]. **Leveraging** [PRS14, AU21]. **LFTHREADS** [GP08]. **Libraries** [Ano00c, BCR01, CGS+20, GF00, Jon91, MLGW18, MM14, ARvW03, CBM10]. **Library** [Ano98b, ABN00, BFA+15, CGR92, EHG95, Gib94, GHG+98, Kem02, KEMC22, Man91, Rót19, WN10, Yas95, Ada98, Boe05, CS00, GP08, GOT03, Mix94, Ong97, TB97a, TB97b, Yam96, Lev97]. **life** [KU17]. **Light** [IXS19, Way95, LZTZ15]. **Light-Weight** [IXS19, Way95]. **Lightweight** [AGN09, Col90b, Don02, Est93, Fin95, Hai97b, SLJ+18, CASA14, Hai97a, LVN10, MMN09, MEG94, VACG09, WSKS97, LKBK11]. **like** [DJLP10, Jon86, VV11, Kor89]. **limit** [ROA14]. **limitations** [Gal94, HL08]. **limited** [Bri89]. **Limits** [LB95, LB96b, AAKK08]. **Line** [Ano00c, FSPD16, FdL02]. **Linear** [KLDB09, Loe97, MR09, AAC+15, Bak95a, ÇM20, MM07, YSY+09]. **Link** [Ano00b]. **Linked** [WJ12]. **links** [WW96]. **LinkScan** [Ano00b]. **LINQits** [CDL13]. **Lint** [Kor89]. **Lint-like** [Kor89]. **Linux** [Ano97a, Ano00b, Ano00c, Ano97a, RGK99, SKP+02, WTKW08, ZSA13]. **Linux/AXP** [Ano97a]. **Linux/FreeBSD** [Ano00b]. **Linz** [Hon94]. **liquid** [KRBJ12]. **Lisp** [Nor90]. **List** [DV99, WJ12, VV00]. **LiteRace** [MMN09]. **little** [CDL13]. **liveness** [BMTZ21, GMR09]. **LLCs** [PBL+17]. **Load** [HBTG98, HR10, KMAG01, KC98, KEMC22, KRH98, PGB16, VPQ12, WYT+20, Chr95a, Chr95b, Chr96, MKIO04, TKHG04]. **load-adaptive** [TKHG04]. **Load-Balancing** [KC98, PGB16, Chr96]. **Load-Load** [HR10]. **Loadable** [ZSA13]. **Loading** [PCM16]. **Local** [DGK+03, IEE95, Whi03, ZWGX22, HZD13, LTMK21, RWT21, ZLW+16]. **localities** [CS95a, CS95b]. **Locality** [BS96, CCWY17, PEA+96, TKK21, Wei98b, HWW93, LK13, PSG06a, PSG06b, PSG06c, Sin99, SD95]. **locality-cognizant** [LK13]. **Localization** [OB13]. **Location** [USE93a, KKT+18]. **Location-Independent** [USE93a]. **Lock** [ALB+18, EFJM07, MNU+15, NM10, PGB14, AR19, CS12, GP08, MLS15, MCRS10, Mic04, ST05, TMCP10, ZLW+16]. **lock-free** [AR19, GP08, MLS15, Mic04, ST05]. **Lock_manager** [Hol98b]. **Locking**

[Bal02, LDT+16, AFF06, Lie94, MMTW10, RWT21, RD06, ZLW+16]. **Locks** [ACR01, ALS10, MT93, OCT14]. **LOCKSMITH** [PFH06]. **LOGFLOW** [NTKA99]. **Logic** [Bre02, KI17, TAN04, BK13]. **Logic-Centric** [Bre02]. **Logical** [CR02]. **LOIS** [KT17]. **Long** [CmL21]. **Long-Term** [CmL21]. **longer** [XHB06]. **Longest** [BVP+19]. **LOOG** [IXS19]. **Looking** [ECX+12]. **lookup** [KNPS16]. **Loop** [BB20, RLJ+09, SSP99, JMS+10, KVN+09, UZU00]. **loop-level** [KVN+09]. **loops** [D'H92, FN17]. **Low** [ABLM19, Ano00a, Ano03, BGH+12, PHBC18, RGT17, SM19, TCF22, ZHCB15, GPS14, PPGS20, RRP06]. **Low-level** [RGT17, GPS14]. **Low-order** [TCF22]. **Low-overhead** [ZHCB15, RRP06]. **Low-Power** [Ano00a, Ano03, BGH+12, PHBC18, SM19]. **Low-Rank** [ABLM19]. **LPVM** [ZG98]. **LRU** [CmL21]. **Ltd** [Ano00b]. **lunch** [DTLM14]. **Luther** [ACM99b]. **LXM** [SV21]. **Lyon** [FR95].

**M** [Ano00c, USE01, FKD+97, MSU+16]. **M-Machine** [FKD+97]. **MA** [Ano94f]. **Mach** [USE91a, CB89, CB90, Hol99b, Koo93, MRGB91, RBF+89]. **Machine** [Ama89, CmL19a, CSS+91b, DS16, FKD+97, KA97, KKDV03, Laf00, LPM17, USE01, CSS+91a, CSS+91c, DLM99, Gle91, MEG94, Ném00, Pra95c, SKS+92, Ven97, CGSV93, Evr01, PRB07]. **Machines** [BSSS14, CYYL18, Den94, GH98, GBK+09, RCRH95, STY99, BBM09, DKF94, GKZ12, GC92, Kus15, MRG17, TSY99, TSY00, VPQ12]. **macromolecular** [ABC+15]. **Made** [Har99]. **Magiclock** [CC14]. **main** [AKSD16, BBH+17, ZTN19]. **main-memory** [ZTN19]. **maintenance** [TNB+95]. **Major** [PFP+22]. **makes** [Van97a]. **Making** [BDLM07, LFA96, Low00, Pla93, PLT+15, YCW+14]. **malloc** [Kus15]. **Mambo** [WZWS08]. **MAMPO** [GJ11]. **managed** [WLG+14]. **Management** [ALB+18, ABLL92, GMGZP14, HC17, HRH08, KG94, LG06, LLS06, RSBN01, STY99, VCM19, ZP11, Bak95a, BM91, DBRD91, HCD+94, ICH+10, Jef94, KKH04, RCG+10, SS95]. **Manager** [Ano00b, PDMM16, Ply89]. **Managing** [ARA20, Blu92, FGKT97, MVY05, PJZA07, SEP96, VS11b, ROA14, WSKS97]. **MANNA** [HMT+96, Sod02]. **manual** [MS87, PO03]. **Many** [FMY+15, GBK+09, PVS+17, PHBC18, VCM19, DTR18, MLCW11, MTPT12, San04, TPZ21]. **Many-Core** [FMY+15, GBK+09, PVS+17, PHBC18, VCM19, DTR18, MLCW11, MTPT12, TPZ21]. **Many-Thread** [GBK+09]. **Manycore** [BMF+16, KS16, BWDZ15, HFV+12]. **Maple** [YNPP12]. **Mapping** [CCK+16, HLH16, LBvH06a, LBvH06b, LBvH06c, NTR16, WK08a, WK08c, WK08b]. **Mappings** [Lun97]. **MapReduce** [IXS18]. **Maps** [BC94]. **March** [IEE97, USE92b]. **Mark** [Ano00c]. **Markerless** [LH09]. **Markov** [SBC91]. **Martin** [ACM99b]. **MASA** [HF88]. **Masking** [BAZ+19]. **Massachusetts** [USE93a]. **Massive** [EJRB13, OR12, SMZ18, Mus09, RČV+10]. **Massively** [BÇG14, KR12, MSU+16, TSV12, BS10a, ÇFG+12, CDD+10, Lu94, NJ00, NPA92, ROA14, RWT21, WT10, WOKH96]. **master** [TJY+11]. **master-slave** [TJY+11]. **Match** [TKK21]. **Matching** [HPA+15, OR12, DGSB20, HFV+12, KGPH12]. **Mathematica** [Tam95]. **mathematical** [KI16]. **Matlab** [Ano97c, Bra97]. **Matrices** [But13, SGLGL+14]. **Matrix** [NBS+15, QOIM+12, YFF+12, CSV10, DTR18, KS21, QOQOV+09]. **matrix-vector** [CSV10, KS21]. **matter** [ZJS10]. **maxflow** [BÇG14]. **Maximal** [HH16, HR16]. **Maximisation** [SC17].

**maximize** [RCG+10]. **Maximizing** [LKBK11, TEL95, TEL98a, TEL98b]. **Maximum** [AT16, HH11, MP13, GJ11]. **May** [ACM93b, ACM96, ACM99a, Cha05, IEE94a, IEE94b, IEE94d, SS96, MMTW10, Pra95c]. **MBTAC** [FRL18]. **MD** [IEE02]. **MDMA** [Spe94]. **measured** [ECX+12]. **Measurement** [LLD17, TMC09]. **measurements** [JFL98]. **Measuring** [FMY+15, DTLM14]. **Mechanising** [Loc18]. **mechanism** [FD95, GCC15, PWWD18, WHJ+95]. **Mechanisms** [BB20, KPC96, KC99, SK97, TVB+13, Loe05, Men91, PT03]. **Media** [Ano03, Van97a]. **medium** [CDD+10]. **Meeting** [DLM99]. **meets** [Tam95]. **Member** [BS99]. **Memories** [HKSL96, KHP+95]. **Memory** [ALSJ09, AJK+12, BS96, BMBW00b, BD00, BP19, BAZ+19, CFC+22, CH95, DM98, EJ93, EE09a, FMY+15, GMR98, GMGZP14, GH98, HG91, HL07, IXS18, JLA16, KZTK15, KZC15, KKH04, KUCT15, LK20, LSB15, LB92, LB17, LML+19, MSM+16, MVZ93, MCT08, Nak01, RCC14, Rob03, RCRH95, SCL05, STY99, SLT03, SZ02, TAM+08, Thr99, TCF22, Tro18, VCM19, Ver96, WJA+19, WC99, XWG+14, YMR93b, ZM07, ZLJ16, ATLM+06, AKSD16, AAKK08, BS06, BGDmWH12, BCG+95, BMTZ21, BBH+17, BMBW00a, BMBW00c, BLM06, BDLM07, BA08, BB00, Boo93, BAM07, CMF+13, Cha05, Cho93, CNV+06, DLZ+13, DLCO09, DPZ97, EKKL90, EV01, FF10, GCC15, Gle91, GL98a, GS00, GKK09, HB92, HWW93, HG92, HHPV15, ISS98, KFG15, Luk01, MLS15, MCRS10, MSM+10, MLC04, MMTW10, MTS10, Mic04, MTC+07]. **memory** [MVY05, NPC06, NAAL01, OCT14, RMV22, RWT21, SLT02, TSY99, TSY00, TPZ21, TVD10, TVD14, VTSL12, WK08a, WK08b, WK08c, XHB06, YMR93a, YSY+09, YN09, kSYHX+11, ZKW15, ZHCB15, ZTN19]. **Memory-Divergent** [WJA+19]. **memory-intensive** [YSY+09]. **Memory-level** [EE09a]. **Memory-safe** [Tro18]. **Memristor** [KNE+14]. **Memristor-Based** [KNE+14]. **MemSAT** [TVD10]. **mergesort** [AL21]. **Merlot** [MTN+00]. **mesh** [ABC+09, Mus09]. **mesh-based** [Mus09]. **Meshes** [HBTG98, Lep95]. **Message** [BWXF05, HLB94, KKDV03, PH97, Ada98, BCM+07, DLM99, FM92, Met95, PRS14, SCM05, FGT96, PS01]. **message-handling** [Met95]. **message-passing** [BCM+07, FM92]. **messages** [Koo93, SD95, WHJ+95]. **meta** [FKS+12]. **meta-scheduler** [FKS+12]. **Metering** [LMA+16]. **Method** [CYYL18, LPK16, LHG+16, MAF19, SKG+11]. **Methodology** [Sri95]. **Methods** [CMK00, FGKT97]. **Methylation** [LZL+20]. **Metrics** [EE14, VS11a]. **Metro** [Ano00b]. **Metro-X** [Ano00b]. **Mexico** [Ano94e, Gol94]. **MFC** [Oni97]. **MICE** [BK96]. **Michael** [Yam96]. **Michigan** [Ano94d]. **Micro** [Mat97]. **Microarchitectural** [FMY+15, LS11, WHG07]. **Microarchitecture** [KM03, AMPH09, LSF+07, Wil98]. **Microarray** [GAC14]. **microbenchmark** [BO01]. **Microbenchmarking** [FMY+15]. **Microcontroller** [BP05, PUF+04, KBP+03]. **microkernel** [BO96]. **Microprocessor** [KE15, SU96, Aru92, CJB+15, Gul95]. **Microprocessors** [Gep00, KET06b, CGL92a, CGL92b, HL07, RCG+10]. **microthreading** [CSK+99]. **microthreads** [CTYP02]. **Mid** [MSFC21]. **Mid-Kernel** [MSFC21]. **Middleware** [RBPM00, KBH+03]. **Migrant** [MR98]. **Migrating** [PG92, BDF98]. **Migration** [ABN99, Sat02, WG99, CWS06, CSM+05, HWW93, ISS98, Pha91]. **migrations**

[PGB14]. **MIMD** [FSYA09, Gle91]. **MiMPI** [GCC99]. **Min** [JEV04]. **Min-cut** [JEV04]. **Minimal** [BMR94, CSS+91b, IMMP20, Lun97, TY97, CSS+91a, CSS+91c]. **Minimizing** [SPDLK+17]. **Mining** [OB13, WLT19, GBP+07]. **Mining-Based** [OB13]. **Minneapolis** [IEE92, IEE95]. **Minnesota** [IEE92, IEE95]. **MIPS** [Aru92, Swe07]. **miss** [SLP08]. **mitigate** [ASSS19]. **Mitigating** [EPAG16, OdSSP12]. **Mitigation** [PHBC18, AU21]. **Mitosis** [MGQS+08]. **Mix** [TKK21]. **Mixed** [XIC12]. **mixture** [SC17]. **ML** [BCL+98, DL93, MT93]. **Mobile** [BDF98, USE93a, APX12]. **Mobility** [CWHB03, BHK+04, SJ95]. **mode** [AR19, FRL18]. **mode-directed** [AR19]. **Model** [AHK08, ACMA97, CC18, Chl15b, CSV10, CBN+00, DTLW16, Dil00, ES97, FG91, Gao93, Loc18, MSM+16, ND16, SAC+98, Sto02, TESK06, VK99, WC99, AAJ+19, ABG+08, BA08, BMV03, CNQ13, Car89a, CYZ98, Chr95a, Chr95b, Chr96, DLZ+13, Dil93, DSH+10, DC07, GKZ12, JPS+08, JD08, LZW+13, MSM+10, MQ08, PAdS+17, PG03, RSB+09, Stä05, TMAG03]. **Model-Checking** [ES97, Sto02]. **Model-driven** [CSV10, RSB+09]. **Modeling** [KMjC02, KE15, PPG11, Rót19, TAM+08, WJA+19, AMC+03, AG21, CIM+17, DKF94, EE10, EE12, Mao96, SBC91, Squ94, TR14]. **Models** [CMK00, CH95, Den94, HYY+15, KZC15, Kim14, KW17, LB17, ROPdlT22, ST98, VT96, BAM07, But14, Cho93, Cor00, Gil94, SC17, TVD10, VDBN98, XIC12, ZKW15]. **Modern** [DFC+19, GK05, GBP+07, HL07, NJK16, ZJS10]. **modes** [WZWS08]. **Modular** [Chl15a, FQS02, FFQS05, JBK18, Kuc92, NT14, SZM+13, FK12, GBCS07, MJF+10, ZSJ06]. **modularity** [LK15]. **Module** [ALSJ09, ZSA13]. **modulo** [LQ15]. **Molecular** [LNI+19, MAF19]. **monad** [FKS+12]. **monadic** [LZ07]. **Monitoring** [BBFW02, BBFW03, DJLP10, MC06, NFBB17, VGK+10a, VGK+10b]. **Monitors** [Bec01, SS91, KPPÉR06]. **Monsoon** [NCA93]. **Monte** [LTMK21]. **Montecito** [MB05]. **Monterey** [USE91a, Ass96, USE96, USE01]. **Mosaic** [Ano94d]. **Most** [PLT+15]. **mostly** [BBYG+05]. **Motifs** [LZL+20]. **Moving** [Ait96, Sim97]. **MP** [Pea92, TTY99]. **MPD** [PHK91]. **MPEG** [BC00]. **MPI** [PS01, Vre04, Ada98, ALW+15, ALB+18, BBG+10, BK96, BBC+00, BRM03, CRE99, DSG17, HD02, DLM99, FGT96, GCC99, IEE96, LPD+11, MS02, Pla02, SCB15, STY99, SPH96, TSY99, TSY00, TG09]. **MPI-based** [Ada98]. **MPI-OpenMP** [MS02]. **MpSoCs** [GPB+17]. **MrBayes** [LHG+16]. **MS** [Wil94a, Wil94b]. **MS-DOS** [Wil94a, Wil94b]. **MSFV** [HHOM91, HHOM92]. **MSparc** [MN00, MD96]. **MT** [EC98, TJY+11]. **MT-BTRIMER** [TJY+11]. **MTA** [Mat97, Smi01]. **MTAC** [For97]. **MTB** [AGJ18]. **MTB-Fetch** [AGJ18]. **Mth** [MKM17]. **MTraceCheck** [LB17]. **MTS** [Gal94]. **MUCH** [WLM15]. **MulTEP** [WM03]. **Multi** [Ada98, AMRR98, AACK92, AGK96, AN22, AR19, ABN00, BC98, Bed91, BBH+17, BC00, BGK94a, BGK94b, BGK96, CV98, CL95, CKRW99, CWHB03, CdOS01, CCC12, CCK+16, CC18, CvdBC18, CFC+22, cC91, Chr01, CR02, Coo95, CNZS17, DV99, DS16, DTLW16, EBKG01, FMY+15, FNS+22, FD96, FdL02, FF20, FJ08, GVT+17, GK94, Gil93, GS06, GH98, HC17, HG91, IXS18, ITF+22, III01, JY15, Jon91, JLS99, KI95, KW17, Kno14, KRH98, Kuc92, KTR+04, LK15, LK20, LB92, Leg01, LKBK11, LZL+20, MLGW18, MNU+15, Mas99, MTN+00, McC97a, McC97b, MS15, MP13, MG15, MCS+22, MCFT99, MGK+00, Myl22, Nag21, NJ00, OR12, PCPS15, PTMB09, PWWD18, PKB+91, PM14, Pul00,

PGB16, RR93, RCC14, RBPM00, RKCW98, RVR04, RS08, SV19, SP00a, STW93, Sch90]. **Multi** [SKG+11, SMZ18, Sei98, Sei99, Smi92, Ste01, SBKK99, TGO99, Tan87, TCS20, Tra91, TCF22, TLGM17, VSDK09, VS11a, VB00, VCM19, VK99, Wal00, YDLW20, YLLS16, AG21, ABD+12, ASSS19, BWDZ15, Bak95a, BK13, BM07, BIK+11, DSEE13, CNQ13, CIM+17, ÇFG+12, CASA14, CKRW97a, CKRW97b, CSB00, CYZ98, CL00, CSM+05, DWYB10, Don92, DGSB20, EFG+03, EHSU07, FTAB14, FWL03, FGG14, GCRD04, GCC15, GPR11, HLGD19, JCP17, KHP+95, KDM+98, KKH04, KD22, Kep03, Kü c91, KBF+12, Lan97, LBvH06a, LBvH06b, LBvH06c, LVA+13, LZW+13, MLCW11, MLC+09, MS03, MKK99, Mus09, NFBB17, NH09, NSH14, OA08a, OA08b, OA08c, PYP+10, PMCP22, RČV+10, RGT17, RKM+10a, RKM+10b, RGK99, SCB15, Sam99, SC17, SE12, SV98, Smi06, Sto02, SQP08a, SQP08b, SQP08c, SMQP09, ST05, Tem97]. **multi** [TCG95, TMAG03, TJY+11, VIA+05, VDBN98, VV00, VPQ12, WCC+07, WCV+98, YZ07, Yan97, Yee20, YSY+09, YN09, kSYHX+11, YKL13, ZKR+11, dB09, vPG03, Ano97b, CH04, Mix94]. **Multi-** [FMY+15]. **multi-ALU** [KDM+98]. **Multi-C** [Mix94]. **multi-context** [Yan97]. **Multi-Core** [CC18, CvdBC18, FJ08, IXS18, KTR+04, MNU+15, PM14, TCF22, ÇFG+12, CSM+05, DWYB10, KBF+12, MLC+09, Mus09, RGT17, SMQP09, WCC+07, YZ07]. **Multi-Cores** [CCK+16]. **Multi-CPU** [PGB16]. **Multi-dimensional** [AR19]. **multi-engine** [CNQ13]. **Multi-Interval** [AN22]. **Multi-Level** [RR93, CCC12]. **Multi-Level-Context** [JLS99]. **multi-physics** [AG21]. **multi-process** [WCV+98]. **Multi-Processing** [MLGW18]. **Multi-Processor** [SV19, VIA+05, YN09]. **Multi-protocol** [ABN00]. **Multi-shift** [Myl22]. **Multi-Tasking** [CvdBC18]. **Multi-Thread** [HG91, LZL+20, MTN+00, AMRR98, PKB+91, SKG+11, Tan87, Tra91, DWYB10, Don92, ST05, TCG95]. **Multi-Threaded** [AGK96, BC98, Bed91, BGK94a, BGK94b, BGK96, CL95, CKRW99, CFC+22, Coo95, DV99, FdL02, GVT+17, GK94, Gil93, III01, JY15, Jon91, KW17, Kuc92, LK20, LB92, Mas99, MG15, MCS+22, MGK+00, PCPS15, Pul00, RKCW98, SV19, STW93, Sei99, Smi92, Ste01, SBKK99, TLGM17, VSDK09, VS11a, VB00, VCM19, YDLW20, Ada98, AACK92, BBH+17, BC00, CV98, CWHB03, CdOS01, cC91, Chr01, CR02, DS16, EBKG01, FD96, FF20, GS06, GH98, HC17, ITF+22, KI95, KRH98, LK15, Leg01, PWWD18, RBPM00, RS08, SP00a, Sei98, VK99, Wal00, AG21, ABD+12, ASSS19, BWDZ15, BK13, BIK+11, DSEE13, CIM+17, CASA14, CKRW97a, CKRW97b, CSB00, CYZ98, CL00, DGSB20, EFG+03, EHSU07, FTAB14, FGG14, GCRD04, GCC15, GPR11, HLGD19, JCP17]. **multi-threaded** [KHP+95, KKH04, Kep03, Kü c91, Lan97, LBvH06a, LBvH06b, LBvH06c, LVA+13, MLCW11, MS03, MKK99, NFBB17, NH09, NSH14, OA08a, OA08b, OA08c, PYP+10, PMCP22, RČV+10, RKM+10a, RKM+10b, RGK99, SCB15, Sam99, SC17, SE12, SV98, Smi06, Sto02, SQP08a, SQP08b, SQP08c, Taf13, Tem97, TMAG03, TJY+11, VV00, Yee20, YSY+09, ZKR+11, dB09, vPG03, Ano97b]. **Multi-Threading** [CvdBC18, CNZS17, FNS+22, LKBK11, MLGW18, McC97a, McC97b, MS15, MP13, Nag21, OR12, PTMB09, RCC14, Sch90, SMZ18, TGO99, TCS20, YLLS16, DTLW16, Kno14, MCFT99, NJ00, RVR04, Bak95a, BM07, FWL03, KD22, LZW+13, MLC+09, VDBN98, kSYHX+11, YKL13, CH04]. **multiagent** [Bar09]. **Multicomputer** [FKD+97]. **multicomputers** [BCG+95].

**Multicore** [ALSJ09, ABLM19, BCZY16, CCH11, CB16, DVAE18, FSPE20, GJ11, HEMK17, KLDB09, LS11, LMA+16, LYH16, LDT+16, MR09, NBMM12, PGB16, RCM+16, RRK11, SLJ+18, SHK15, SMD+10, THA+12, ZBS15, CNQ13, CN14, CMX10, LK13, LLLC15, NZ17, RCG+10, RKBH11, SCCP13, SE12, ZSB+12, ZTN19]. **Multicore/Multithreaded** [RCM+16]. **Multicores** [FSPD16, FSPD17, Ger18, RKK15, DTK+15, GARH14, SSN10]. **Multifrontal** [ABLM19, But13, Dav11]. **Multigrain** [AZG17]. **Multigrid** [SSK+18, RM99]. **Multilevel** [PPG11, Cat94, JJY+03, LK15]. **Multimedia** [Spe94, Est93, Gol96]. **multimethod** [FGT96]. **MultiMotifMaker** [LZL+20]. **Multiple** [CB16, FGKT97, HW92, HKT93, NTR16, OR12, CS95a, CS95b, FD95, HKN+92, LT97, TE94b, TFG10, TAN04, WCT98]. **multiple-context** [FD95]. **multiplication** [DTR18, KS21]. **multiply** [CSV10]. **Multiprocessing** [EKB+92, Len95, NV94, Wal95, DLCO09, MT93, Pra95b, RGK99]. **Multiprocessor** [AACK92, AKP99, BC00, Cat94, EHG95, GHG+98, HN91, KMAG01, MCT08, Pre90, PPG11, SZ92, SEP96, USE92b, WC99, Zub02, Cho93, DCK07, EKKL90, HB92, KT99, LVN10, LWV+10, PJZA07, Ano94b]. **multiprocessor/multithreaded** [Cat94]. **MultiProcessors** [BMV03, AGJ18, BS96, BL96, BLG01, CH95, GMR98, KU00, KKS+08, LS07, LMJ14, LPM17, LA93, MVZ93, MKC97, NS97, TESK06, YMR93b, BR92, GA09, HT14, LGH94, Mao96, Men91, MWK+06, QSQ14, SMK10, Sha98, SKKC09, TAS07, Yoo96b, YMR93a]. **Multiprogram** [EE14]. **Multiprogrammed** [MVZ93, TSY99, WXAL22]. **Multiprogramming** [BHP+03, JJ91, CGL92a, CGL92b]. **MultiRace** [PS07]. **Multistring** [BVP+19]. **Multitasking** [Col90b, Gib94, Gon90, JJ91]. **Multithread** [BVP+19, LCS04, RRMJ12, SSB+22, SYHL14, CS95a, CS95b, DSH+10, GCC99, JD08, SWYC94, ZG98, Zig96]. **multithread-safe** [GCC99]. **Multithreaded** [AddS03, ÁdBdRS08, ABC+93, AT16, Ama98, ALB+18, Ano92a, Ano92b, Ano94e, Ano94g, Ano98a, Ano98b, Ano01, ABH+00, ABH+01, AB01, AB02, AG96, AZG17, ACMA97, ABN00, AKP99, Bal02, BBFW02, BCR01, BBdH+11, BVL09, BKI06, BMBW00b, BF04, BJK+96, BL98, BB00, BMN99, BDN02, BP05, BLG01, BTE98, BNH01, BD06, BGH+12, BBSG11, BH95, CC14, CJW+15, CS02, CmL19a, CmL19b, CGK06, CC04, CSM+21, Chl15a, CH95, Chr95a, Chr95b, Chr96, CT00, CW98, CBN+00, CMBAN08, Dan09, DNR00, DVAE18, DH98, DRV02, DTR18, DO95, EFN+01, EFN+02, EJRB13, EHP+07, EC98, EGP14, FSS06, FT96, FS96, FTP11, FNA+18, FQS02, For97, FLR98, GGB93a, GRS97, GMR98, Goo97, GN00, GN92, HPA+15, HMLB16, HTZ+97, HMNN91, HHOM91, HHOM92, HLB94, HH11, HWZ00]. **Multithreaded** [HPB11, HYY+15, Hud96, HMT+96, I+94, JBK18, JYE+16, JSB+12, KA97, KKW14, KMAG01, KST04, KML04, KC98, KC99, KMjC02, KR12, KU00, KE15, KG94, Kim14, KU17, KAO05, KEMC22, Kor89, KTR+04, LS07, LG06, LH09, LG04, LB96a, LB98, LB00, LLS06, LvH12, LTMK21, LTM+17, LYH16, LPE+99, Loc18, Loe97, Lun97, Lun99, MGQS+08, MP01, MAG21, MS89, MB99, MD96, MAF19, Moo95, Moo96, MR09, Nak01, NPT98, NGGA94, NTKA99, Nik94, OB13, OTY00, PBDO92, PUF+04, PG92, PG96, PG99, PF01, PHK91, PFP+22, PWL+11, PS01, QOIM+12, RCM+16, RW97, RCC12, REL00b, Rin01, RB18, RNSB96, RSBN01, RRK11, RBAA05, RR99, SPDLK+17, SRS98, SR14, SBN+97, SCD+15, SCL05, SAC+98, She98, SU96,

SU01, SZM+13, SGM+97, SMD+10, SR01b, SSYG97, SKK+01, SKV21, Spe94].

**Multithreaded**

[Sri95, SZ02, SUF+12, Sut99, TG99, Ten02, TKA+01, TCI98, TT03, TTKG02, TGBS05, TLZ+17, TLZ+18, TJY98, TSV12, URŠ02a, VTSM12, Vol93, VE93, Wan94, WS08, Wea08, WJ12, Wil97, WLM15, WG94, WC99, Yas95, YWJ03, Yoo96a, YMR93b, ZSA13, Zha00, ZJS12, ZBS15, ZP11, ZAK01, Zub02, ÁdBdRS05, ACD+18, Aga89, Aga91, Aga92, ABF+10, ABC+15, AAC+15, ACC+03, AGEB08, Ann96, Ano94b, Ano95a, Ano95b, A+01, ABC+09, AR17, AR19, Aru92, BGDmWH12, BBFW03, BRRS10, BMTZ21, BGZ97, BCHS00, BAD+10a, BAD+10b, BCG13, BGC14, BMBW00a, BMBW00c, BYLN09, Blu92, BL93, BL94, BJK+95, Blu95, BL99, BS10a, BÇG14, BEKK00, BPSH05, BS10b, BNS11a, BNS11b, BNS12, CZWC13, CS00, CMS03, Car89b, CB89, CB90, ÇFG+12, Cat94, CL94, CN14, CS12, CDD+10, CLL+02, Cho93].

**multithreaded**

[Cho92, CDP+21, ÇM20, CGL92a, CGL92b, CJB+15, DJLP10, DSG17, Dav11, DL93, DKF94, EJK+96, Eic97, EG11, Est93, Evr01, Fan93, Far96, Fer13, FF04, FFQS05, FF08, FFY08, FRL18, Fuj97, GMW09, Gal94, GJ11, GGB93b, GK05, GPS14, GB20, GL98b, GL98a, Gol96, GRS06, GRR06, GA09, GLC99, HMC97, HFV+12, HF88, HLB90, Hig97, HMN+92, Hop98, JMS+10, JWTG11, JFL98, JSMP12, JSMP13, Joe96, JSB+11, KGPH12, KR01a, KR01b, KNPS16, KS21, KBP+03, Kub15, Kus15, LLLC15, Lea96, Lei97, Len95, LGN92, Lev97, LLL10, LCH+08, LMC14, LSW+18, LBE+98, LT97, Lu94, Lu95, LC13, Mah11, Mah13, MEG03, MS87, Mil95, Mis96, Mix94, MC06, MKR10, MQ07, NB12, NR06, Ném00, NPA92, ND96, NZ17, Omm04, Par91, PFV03, PJZA07, Pha91, Ply89, PDP+13, PS03, PS07].

**multithreaded**

[Pra95c, PT03, PPGS20, RGG+12, RCM+12, Raj93, RCG+10, RHH10, REL00a, REL00c, Rei95, ROA14, Roh95, RWT21, RS07, SBCV90, SBC91, SR01a, SV96c, SV96a, SV96b, Sch98, SRA06, Sha95a, Sha95b, Sha98, She02, SLG06, SP00b, Shi00, SP05, Sim97, ST00a, ST00b, Sod02, SSN10, Squ94, Sri93, Sta90, Sun95, SMS+03, TMC09, TMCP10, TPZ21, TR14, TV10, TG09, TP18, TE94a, The95, TKA+02, TB97a, TB97b, TKHG04, TLZ+16, Tod95, Tsa97a, TDW03, UZU00, VGR06, Ver97, Ver96, VGK+10a, VGK+10b, WS06, WCC+07, Way95, WT10, XIC12, XSaJ08, Yan02, Yan97, YZYL07, Yoo96b, YM92, YMR93a, YNPP12, ZJS10, ZP04, WM03, LP09].

**Multithreading**

[ÁMdBdRS02, AH00, AGJ18, Ano99, Ano05, BBG+10, BB20, BWXF05, Bec00, Bee98, BW97, BD00, BL96, BPL07, Bre02, BLPV04, But13, CCH11, CCK+16, Cro98, Dug95, EEL+97, Eng00, Eng95, Esp96, EKB+92, FBF01, FKT96, GHG+98, GV95, Gul95, Gun97, GSL10, Har99, HBTG98, HTDL18, ILFO01, IBST01, KPC96, Kel94a, Kel94b, Kho97, KF97, KNE+14, KLH97, Kwo03, KET06a, KET06b, LPS07, LH94, LEL+97a, LEL+97b, LEL+99, LRZ16, MB07, Man91, MHG95, MN00, MKC97, Nag01, Oni97, OA19, ÖCS01, PJS15, PT91, PST+92, Pea92, Pra97, RLJ+09, RG03, ROPdlT22, RD96, SSP99, SPY+93, SW08, SCv91a, SP07, SLG04, SHW19, SRU98, DFC+19, Sin97, Smi01, ST00c, SKA01, TY97, Ten98, TAK+00, TESK06, VT96, WWW+02, WCW+04a, Wei97, YG10, ZL10, Zig96, AAHF09, AU21, AAKK08].

**multithreading**

[ABB+15, BCM+07, BGG95, BR92, Boo93, CHH+03, CCC12, Div95, DN94, Dub95, Dye98, EE09a, FM92, Fis97, Fon97, GWM07, GBG95, Gea98, GEG07, GE08, Gro03, HB92, HCD+94, Hol98a, HH97, IAD+94, KIM+03, KCCD99, Kim94, KG07, KT99, KLH+99,

LK13, LGH94, LSS12, LZW17, LZSS19, LB95, LB96b, LZL+14, Loi95, LVS01, LZBW14, Luk01, MIGA18, MWP07, Mao96, MKIO04, MGL95, MMM+05, McM97, Met95, MKR02, MAAB14, OAA09, Ong97, PSG06a, PSG06b, PSG06c, PG01, PHCR09, PV06, Pra95b, RM00, RB22, RR96, RPNT05, San04, Sch91, SCv91b, Sen19, Sin99, SW16, STV02, Swi09, TK98, TSCH99, TO10, Tsa97b, TEL95, TEE+96, Tul96, TEL98a, TEL98b, URŠ02b, URŠ03, VPC02, WLG+14, WW93, WCW+04b, WCW+04c, WCW+04d, WXAL22, YCW+14, Lar97]. **multithreading-based** [GE08]. **must** [NA07]. **mutable** [HL93]. **Mutex** [Hol98b]. **mutual** [BRE92]. **My** [BVM19]. **Mysteries** [Hol99b].

**name** [ORH93]. **Nanophotonic** [VSM+08]. **Narrow** [EUVG06, YSS+17, YSS+19]. **NAS** [CRE99, GH98]. **native** [SJ95]. **navigating** [TVD14]. **NDP** [Ano97a]. **Near** [TKZ+18]. **Nearest** [JY15]. **Nearest-Neighbor** [JY15]. **Need** [SLG04, RPNT08]. **Neighbor** [JY15]. **Nelson** [Ano00c]. **Nested** [EW96, NB99, TGO99, TGO00, YZ14]. **Net** [Ham96]. **Net-Centric** [Ham96]. **Netburst** [KM03]. **Nets** [KMjC02, MKC97]. **Network** [ACM98a, RM03, ARB+02, Chl15a, Don02, GRS97, HH11, KML04, KRH98, LZS+08, NGGA94, YG10, ZP11, BDM98, GL07, KGPH12, LZ07, LLL10, LCH+08, OCRS07, RČV+10, RPNT05, Sta90, ZP04, PH97]. **Network-Facing** [KML04]. **Network-I** [RM03]. **Network-I/O** [RM03]. **Network-on-Chip** [LZS+08]. **Networked** [CT00, FGKT97]. **Networking** [ACM98d, ACM00, Hol12, LCK11, DWYB10]. **Networks** [IEE95, KLH97, Lu98, RR93, SM19, PWWD18, SMK10]. **Neumann** [HG92]. **Neural** [SM19, PWWD18]. **Neurons** [LTM+17]. **newly** [Ano95a, Ano95b]. **NewOS** [TLA+02, Gei01]. **Newport** [USE92b]. **News** [Ano97c, Bra97, Gar01, Mat97, McM97]. **Newton** [AG21, CYYL18]. **Next** [ARB+02, EEL+97, TSV12, CH04]. **Next-Generation** [EEL+97, TSV12, CH04]. **Nexus** [FKT96]. **NFS** [Ano95a, Ano95b]. **NFV** [GDSA+17]. **Niagara** [KAO05]. **NLM** [Day92a, Day92b]. **NLM-Based** [Day92a, Day92b]. **NoC** [YL16]. **node** [TK98]. **Nodes** [EHG95]. **noise** [GA09]. **Non** [Caz02, Coo95, JLS99, KIAT99, LB17, MWP+21, SGM+97, Tra91, Ann96, RMV22, RGK99, SCG95, SKG+11]. **non-blocking** [Ann96]. **Non-Deterministic** [LB17]. **Non-Intrusive** [Caz02]. **non-invasive** [RGK99]. **Non-numeric** [SGM+97]. **Non-preemptive** [JLS99]. **Non-Serializable** [MWP+21]. **Non-Strict** [Coo95, Tra91, KIAT99, SCG95]. **non-temporal** [RMV22]. **non-uniform** [SKG+11]. **Nonblocking** [HH11]. **nondestructive** [AD08]. **nondeterminism** [HBCG13]. **Nondeterministic** [DSAD+18, LPS07]. **Noninterference** [BC02, Smi06]. **noninterruptible** [AAHF09]. **Nonlinear** [Nak03, GOT03, Kub15]. **nonoperational** [GS00]. **nonuniformity** [WA08]. **norm** [Ano92a]. **Note** [AKP99, Lie94]. **NOTES** [Gil88]. **notification** [BF08]. **Notifiers** [Pom98]. **Notre** [IEE96]. **Novel** [HG91, GKK09]. **November** [ACM98d, ACM99b, ACM00, ACM03, Ano91, Ano94e, Gol94, Hol12, IEE90, IEE92, IEE93, IEE94c, IEE02, LCK11, USE91a]. **NOWs** [SLGZ99]. **NP** [YZ14]. **NPB** [EGC02]. **NT** [Ano98b, Hig97, PG96, Pra95c, Pra95b, TCI98, USE98a, Wil94a, Wil94b, Yam96]. **NT-Style** [Wil94a, Wil94b]. **NUMA** [LMC14, ZLW+16]. **NUMA-aware** [ZLW+16]. **number** [LSS12, SLF14, SV21]. **Numeric** [MLGW18, SGM+97]. **Numerical** [MR09]. **Numerics** [Ano97a]. **NY** [SS96].

**O**
[RM03, Ano95a, Ano95b, ABB+15, BDN02, KSU94, LTL+16, Man98, MG15, Yoo96a].
**Object** [Ano99, BBD+91, BC94, GK94, HH97, KC99, Kim14, NPT98, SJ95, SG96, Ada98, Car89a, CYZ98, CLL+02, FWL03, FL90, JPS+08, LLLC15, Sch98, Wei98a, Yan02, dB09, vPG03]. **Object-Oriented** [Ano99, BBD+91, BC94, Kim14, NPT98, SG96, HH97, Ada98, Car89a, CYZ98, CLL+02, FL90, JPS+08, Wei98a, Yan02, dB09, vPG03]. **Objects** [ACR01, CJK95, CR02, Low00, Pra95a, Ric99, Ten02, Yas95, Bak95a, Bri89, DMBM16]. **objet** [Swi09].
**Oblivious**
[UALK17, UALK19, HL08, HZ12].
**Observer** [Hol99b]. **occupancy** [PAB+14].
**Ocean** [SAC+98]. **OCTET** [BKC+13].
**October** [ACM94d, Ano94d, BT01, IEE95].
**ODBC** [Ano00b, Hig97].
**ODBC-compliant** [Hig97]. **ODBC-ODBC** [Ano00b]. **ODE** [Ano97c, Bra97]. **Off** [MHG95, AAC+15, DTK+15, Gep00].
**off-beat** [Gep00]. **off-chip** [DTK+15].
**Off-the-Shelf** [MHG95]. **offs** [Par91]. **Old** [Wil00]. **On-Chip** [CmL19a, LKBK11, ZM07, SMK10, TEL95, TEL98a, TEL98b].
**On-Line** [Ano00c, FSPD16, FdL02].
**On-the-fly** [Sch89, CWS06, PS03, PS07].
**once** [Bak95a]. **one** [QSHI16]. **one-sided** [QSHI16]. **Online** [Ger95, OTY00, RCC14, Sei98, Sei99, SRA06, TGO99, HF96, LWV+10, RS07, VGK+10a, VGK+10b].
**only** [Dil00, MJF+10, NM10, ZJFA09]. **onto** [LBvH06a, LBvH06b, LBvH06c]. **Open** [Ano00c, BMF+16, Hai97b, BMF+19, KR01a, KR01b, RBF+89]. **Open-Source** [Ano00c]. **OpenGL** [Rót19]. **OpenGL-** [Rót19]. **OpenMP** [Cha05, ARvW03, Ano97c, BHP+03, BBC+00, Bra97, BMV03, BO01, CRE99, CDK+01, CM98, DM98, HD02, EV01, JJY+03, KKH03, Lu98, MS02, Mar03, MLC04, MPD04, Mat03, MG15, MM14, Mül03, NAAL01, RBAA05, SLGZ99, Thr99, TGBS05, Vre04, RM99].
**OpenMP-oriented** [MLC04]. **OpenOpt** [NSP+14]. **OpenPiton** [BMF+16, BMF+19]. **OpenSPARC** [Wea08]. **Operand** [SP07]. **Operating** [ACM94d, CLFL94, TLA+02, Gei01, IEE89, IEE94a, MS87, REL00b, SEP96, Ano92a, Ano92b, ASSS19, BDM98, DBRD91, IEE94d, Jef94, Jen95, LVN10, LAK09, Ply89, RBF+89, REL00a, REL00c, She98, Way95].
**operation** [DKG18, RHH10]. **Operational** [CKRW99, CKRW97a, CKRW97b].
**Operations**
[KKS+08, KLDB09, SCL05, HMC95, RD06].
**operators** [RWT21]. **Opportunistic** [YL16]. **Opportunities** [GJ97, HL08, Mus09]. **OPR** [QSHI16].
**Optimal** [AAJ+19, AT16, GPB+17, Lar95, RCM+12, Lep95, LML00]. **Optimisations** [TCF22]. **Optimistic** [WHJ+95, CZSB16, DKG18, VPQ12].
**Optimization** [BLG01, CmL19b, CvdBC18, GN96, RNSB96, SYHL14, TJY98, TLGM17, WJ12, AMC+03, AMPH09, CDP+21, DZKS12, GOT03, Koo93, RKCW98, Sin99, TPZ21, TO10, ZCSM02a, ZCSM02b].
**Optimizations**
[HYY+15, JSB+12, KET06a, LEL+99, Sut99, ZM07, ABC+09, JSB+11, OA08a, OA08b, OA08c, Roh95, Sen19]. **Optimized** [Sin97]. **Optimizing** [DTK+15, KZTK15, PR98, PSCS01, WCZ+07, GS02]. **Orange** [ACM98d]. **orbital** [MAF19].
**Orchestration** [GVT+17]. **Order** [CJK95, HLGD19, IXS19, RRK11, SMP19, TCS20, NV15, SJA12, SW16, TCF22, ZKW15].
**Ordering** [DELD18, HR10].
**Ordering-Free** [DELD18]. **Oregon** [ACM94b, ACM99b, IEE93]. **Organization** [HG91, HG92, PPGS20]. **organizing** [LAK09]. **Oriented** [Ano99, BBD+91, BC94, Kim14, KS97, LHG+16, NPT98, SG96, Ada98, Car89a, CYZ98, CLL+02, DWYB10, FL90, HH97, JPS+08, MLC04, Wei98a,

WP10, Yan02, dB09, vPG03]. **Origami** [AL21]. **Orlando** [ACM94a, ACM98d]. **OS/2** [DN94, Kan94, Kel94a, Kel94b, Rei95, Ric91, Rod94]. **oscillations** [BD06]. **OSF** [BM91]. **OSF/1** [BM91]. **Other** [SPY+93, MMTW10]. **Ottawa** [BT01]. **Out-of-Core** [QOIM+12, ABC+15]. **Out-Of-Order** [IXS19, TCS20, SJA12, SW16]. **output** [MP89]. **Outstanding** [LSB15]. **Overall** [SEP96]. **Overcome** [SW08]. **overflow** [KOE+06]. **Overhead** [DSR15, RRP06, YL16, ZHCB15]. **Overheads** [SHK15]. **Overlay** [DFC+19]. **overview** [Li05]. **Own** [BS99, Sho97a, Sho97b]. **Oxford** [ACM94c].

**P** [Ano00b, Nik94, PR05]. **P-RISC** [Nik94]. **P-STAT** [Ano00b]. **P-Thread** [PR05]. **Pacbio** [LZL+20]. **Pacific** [IEE89]. **Pacifier** [QSQ14]. **Package** [Ano94c, FL90, HCM94]. **packages** [GOT03, OT95, PL03]. **Packaging** [RR93]. **Packard** [BLCD97]. **Packet** [AHW02, LCH+08, MVY05, WCZ+07]. **page** [CNV+06]. **page-based** [CNV+06]. **PageRank** [KG07]. **Pages** [JLA16]. **Paging** [FD96, FdL02, Sei98, Sei99]. **Pagoda** [YSS+17, YSS+19]. **PaiLisp** [KI95]. **pain** [Gus05]. **Pajé** [CdOS01, CSB00]. **Palo** [ACM01]. **panel** [Ano94e, Bak95b, HCD+94, IAD+94]. **Paper** [ABH+01, TKA+01]. **papers** [ACM93a, ACM94b, ACM95b, ACM98b, KKDV03, Cha05]. **par-monad** [FKS+12]. **ParADE** [KKH03]. **Paradigm** [EW96, JD08, LK15, PPA+13, BCG+95]. **Paradigms** [CM98, HD02, YMR93b, YMR93a]. **Parallel** [ABC+93, AMRR98, ARA20, Ama89, ABNP00, ACMA97, Bau92, BC00, BFA+15, BE13, BBC+00, BTE98, CZS+17, CL95, CDK+01, CBN+00, DS16, Den94, DSR17, EJ93, FHM95a, Gil94, GSC96, GJ97, GAC14, HMLB16, Hon94, HN91, JY15, KTLK13, KI95, KEL+03, Kon00, KKDV03, Kwo03, LK20, Len95, LHS16, LFA96, Mah11, MS02, Mar07, MAG21, MG15, MRG17, Nak03, NS97, Pan99, QSaS+16, ROPdlT22, Sch17, SCv91a, SAC+98, SRU98, Tro18, WYT+20, WC99, YFF+12, ARvW03, ALS10, BBYG+05, BCM+07, BAD+09, BB00, Boo93, BE12, BGK94c, CAR08, CFK+91, Cha05, CSB00, Chr95a, Chr95b, Chr96, ÇM20, DLM99, DESE13, EV01, FHM95b, FD95, Fuj97, GC92, Gol97, GKK09, GEG07, GE08, GB99, HMC97, HF88, Hop98, HWW93, IEE97, JMS+10, Joe96, KTK12, Kep03]. **parallel** [Kim94, LSS12, Lu94, MT02a, MT02b, MT02c, MR98, Mis96, NJ00, NPA92, OdSSP12, RČV+10, RHH10, SBCV90, Sch91, SCv91b, Sha98, SWYC94, ST98, SGS14, Taf13, TCG95, VPQ12, VGK+10a, VGK+10b, WZSK19, WK08a, WK08b, WK08c, WOKH96, WTH+12, YCW+14, FR95, Vre04, WN10]. **Parallel-Based** [ARA20]. **Parallel-Multithreaded** [WC99]. **Parallelism** [AACK92, ABLL92, BAM93, CSS+91b, DV99, EW96, FKP15, FURM00c, GVT+17, GP95, DK02, LKBK11, LEL+97a, LEL+97b, MG99, MR94, Mar03, MCFT99, NB99, RBAA05, SSP99, SMD+10, SG96, Thr99, WS08, YBL16, Yoo96b, ALHH08, AKSD16, CSS+91a, CSS+91c, EE09a, FN17, FURM00a, FURM00b, HDT+13, KRBJ12, KDM+98, KVN+09, KC09, LGN92, LAH+12, MAH18, QOQOV+09, SLGZ99, SD13, TEL95, TEL98a, TEL98b, VDBN98, VV00, Wei98a, XSaJ08, YZ14, Zig96]. **parallelism-aware** [LAH+12]. **parallèlisme** [Zig96]. **Parallelization** [CRE99, DSAD+18, KC09, LVA+13, RM99, WZWS08, YLLS16, AC09, DC07, JJY+03, MAF19, PO03, RKM+10a, RKM+10b, RRMJ12, TFG10]. **parallelized** [CJ91]. **Parallelizing** [BM91, WDC+13, KBF+12]. **ParaLog** [VGK+10a, VGK+10b].

**Parameterized** [BCR01, FK12]. **Parametric** [Ano98b, FRT95]. **Paravirtualization** [YSY+09]. **PARC** [Ong97]. **Pareto** [GPB+17]. **Pareto-Optimal** [GPB+17]. **Parsing** [BC00, Lar95, PCM16]. **Part** [Ano92a, Ano92b, KR01a, McM98b, Hol98a, Hol98b, Hol98c, Hol99a, Hol99b, McM96b, McM98a]. **Partial** [Loe97, SMP19, RRP06, SP00b, Shi00, ZKW15, HLGD19]. **partition** [LZW17]. **Partitioning** [AMRR98, Coo95, D'H92, EW96, SLJ+19, TG99, DCK07, LZL+14, MKR10, SCG95, WW96]. **Partitioning-Independent** [EW96]. **Pascal** [Hay93]. **PASCO** [Hon94]. **Passing** [BWXF05, TLA+02, FGT96, KKDV03, PH97, PS01, Ada98, BCM+07, DLM99, FM92, PRS14]. **Path** [BLG01, TAK+00, CTYP02, WCT98]. **pathfinder** [KPP12, SMP19]. **Paths** [OTY00, Ano95a, Ano95b]. **Pattern** [Ano97b, EGP14, OR12, EG11, GBP+07, SCM05]. **Pattern-Based** [EGP14, EG11]. **Pattern-recognition** [Ano97b]. **Patterns** [CmL21, DS16, LPK16]. **PC** [Mia90, CFK+91]. **PCM** [AKSD16]. **PCM-based** [AKSD16]. **PCs** [CRE99, NV94]. **PDE** [Chr95a, Chr95b, Chr96, JD08]. **PDES** [LTM+17]. **pedagogical** [CMS03]. **PegaSoft** [Ano00b]. **Pennsylvania** [ACM96]. **Pentium** [RGK99]. **peptides** [MIGA18]. **Per-node** [TK98]. **Per-Thread** [Cha02, EE09b]. **Perf** [FSPD17]. **Performance** [ACM98a, ACM98d, ACM00, Aga89, Aga91, Aga92, ARA20, ABLM19, BS96, BL96, BRM03, BLG01, BNH01, BGH+12, BBSG11, Cal97, CRE99, CGS+20, CCH11, CCK+16, CCWY17, CH95, Cho92, CT00, CSM+05, CBN+00, CMBAN08, DVAE18, DWYB10, EGC02, EE14, FT96, FSPD17, FBF01, FURM00c, FGKT97, Gal94, Gar01, GN00, HRH08, Hol12, HN91, IEE94b, JFL98, KZTK15, KH18b, KS97, KTR+04, LWSB19, LCK11, LG06, Lep95, LMJ14, LHG+16, LYH16, Mah13, Man99, Mao96, MSM+16, MPD04, ME17, MWK+06, MKC97, MM14, NCA93, NBS+15, NGGA94, Par91, PH97, PS01, QSaS+16, RG03, RVOA08, RKK15, SCD+15, SKV21, SLJ+19, TCI98, TT03, Tsa97a, TLGM17, VP16, Wei98b, WG99, WN10, YWJ03, ZL10, ZAK01, Zub02, AAC+15, AL21, APX12, AAKK08, BGDmWH12, BS10a, BBM09, BMV03]. **performance** [CML00, Car89b, CIM+17, Cho93, CDP+21, Div95, Don92, DKF94, ECX+12, FL90, FM92, Fis97, FURM00a, FURM00b, GS02, GEG07, GLC99, HLB90, ICH+10, Kim94, KLH+99, LML+19, LB95, LB96b, LBH12, LCH+08, LMC14, LBE+98, MLC+09, Mah11, MCRS10, McM97, PJZA07, PGB12, RGK99, SE12, Sen19, SSkP+07, SQP08a, SQP08b, SQP08c, SKP+02, TMC09, TR14, TG09, The95, VV11, Wan94, WCZ+07, WOKH96, YZ07, YM92, ZJS10]. **Performance-area** [Par91]. **Performance-Driven** [LWSB19]. **performance-energy** [AAC+15]. **Performance-Oriented** [KS97]. **performance-prediction** [BMV03]. **Performance/Power** [RKK15]. **performs** [Ven97]. **perils** [Dye98]. **Perl** [TLA+02]. **Perl/Tk** [TLA+02]. **Persistence** [WYT+20, BHK+04]. **persistency** [RMV22]. **personality** [CCW+11]. **perspective** [AG06]. **Perspectives** [PLT+15]. **pessimistic** [CZSB16]. **Petaflops** [SZ02]. **Peter** [Ano00c]. **Petri** [KMjC02, MKC97]. **PGI** [Ano00b]. **pH** [ACMA97]. **Phase** [CA20]. **Phi** [SCD+15]. **Philadelphia** [ACM96]. **Phoenix** [ACM03]. **Photomosaics** [TLA+02]. **Phylogenetic** [LHG+16, LBH12]. **physical** [AMPH09, KKT+18]. **physics** [AG21]. **pi** [Yee20]. **pi-program** [Yee20]. **PIC** [BMV03]. **PicoServer** [KSB+08]. **picture**

[AC09]. **Piecing** [Ano97b]. **Pipelining** [GV95, RVOA08]. **PIRATE** [ICH+10]. **Pitfalls** [Hol98a, SPY+93, CL00, San04]. **place** [SCM05, SGLGL+14]. **placement** [NLK09, TE94a]. **Plagiarism** [TLZ+17, TLZ+18, TLZ+16]. **Plan** [DLZ+13, Pre90]. **PlanICS** [NSP+14]. **Planning** [NSP+14]. **plans** [GARH14]. **plastic** [MCS15]. **Platform** [AB01, AB02, CT00, DTLW16, EEL+97, FSS06, BMF+19, Lam95, MT93, PG03, WCW+04b, WCW+04c, WCW+04d]. **Platform-Independent** [FSS06]. **Platforms** [LS11, PWL+11, CNQ13, LSS12, RB22]. **PLDI** [ACM94a, ACM99a]. **Plug** [DHR+01]. **Plug-in** [DHR+01]. **plus** [Ano95a, Ano95b]. **PM** [AB02]. **PM2** [ABN99, AB01]. **Point** [LWSB19]. **Pointer** [RR99, SR01a]. **pointers** [Sim97, WW96]. **Points** [CC04, CHH+03, SLP+09]. **Points-to** [CC04, CHH+03]. **policies** [Eic97, EE09a, KPPÉR06]. **Policy** [LLKS12, MVZ93]. **Polling** [Pla02]. **Pollution** [MPD04]. **Polynomial** [Kuc92, Küc91]. **Pool** [PSCS01, LML00]. **Pools** [Cal97]. **POPL** [ACM94b, ACM95b, ACM98b]. **Port** [Koo93]. **Portability** [VSM+16, SP05]. **Portable** [AB01, ABN00, BBFW02, Eng00, KF97, LDT+16, Yas95, CS00, GCRD04, Mix94, MT93, MAAB14, TB97a, TB97b]. **Portals** [BRM03]. **Porting** [JJ91, Yam96]. **Portland** [ACM94b, ACM99b, IEE93]. **Ports** [Man98, Yam96]. **posium** [USE01]. **POSIX** [Ano00c, Alf94, BMR94, But97, GL91, GF00, GMB93, HBG01, HBG02, SP05, dlPRGB99]. **POSIX-compliant** [SP05]. **Post** [LB17]. **Post-Silicon** [LB17]. **Pot** [VSDL16]. **Potential** [CC14, EGC02, LLKS12, Mou00, DG99]. **potentials** [ABF+10]. **POwer** [GJ11, AKS06, Ano00a, Ano03, BCZY16, BGH+12, CMBAN08, MB07, MR09, PHBC18, RCC12, RKK15, RRK11, SYHL14, TVB+13, TLGM17, CDP+21, ECX+12, GW10, MLCW11, MWK+06, Pra95b, PPGS20, Ric91, SM19, SQP08a, SQP08b, SQP08c, CMF+13]. **Power-aware** [MR09]. **Power-Constrained** [TLGM17, GW10]. **Power-Efficient** [BCZY16, SQP08a, SQP08b, SQP08c]. **Power-Performance** [CMBAN08]. **POWER5** [BCG+08, MMM+05, KST04, Ano05]. **POWER6** [LSF+07]. **powered** [Rei95]. **PowerPC** [BEKK00, SBKK99]. **PowerRAC** [Ano00b]. **Practical** [HW92, LMJ14, MNG16, ND16, PBR+15, RR96, TGBS05, BCCO10, LPD+11, RD99, RPB+09]. **PRAM** [For97, Lep95]. **Pre** [PR05, Luk01]. **Pre-Execution** [PR05, Luk01]. **Precise** [HR16, KUCT15, CLL+02, FF09, WTH+12]. **Precomputation** [MGQS+08, WWW+02]. **Preconditioning** [Nak03, GEG07]. **PREDATOR** [LTHB14]. **Predicate** [GPR11, How00]. **Predictable** [BBdH+11]. **Predicting** [Lun99]. **Prediction** [AKS06, CMBAN08, DVAE18, IBST01, PBL+17, BWDZ15, BMV03, CTYP02, CPT08, GL98b, RRP06, TFG10, WHG07]. **Prediction-Based** [CMBAN08, RRP06]. **predictive** [LTHB14, SRA06]. **Predictors** [EPAG16]. **preemptive** [JLS99]. **prefetch** [AMC+03]. **Prefetcher** [LYH16]. **Prefetching** [AGJ18, BL96, GK94, MKC97, SLT03, VT96, LB95, LB96b, Mao96, SLT02, SKKC09]. **Prefix** [BVP+19, WJ12]. **Preliminaries** [NBM93]. **Preliminary** [EHG95]. **Preparation** [GH03]. **preprocessor** [Fon97, Mil95]. **prescient** [AMC+03]. **Presentation** [Kub15]. **presented** [ACM93a, ACM94b, ACM95b, ACM98b]. **preserving** [MSM+11, NFBB17]. **pressure** [DTLM14, SLP08]. **preventing** [PRB07].

**prevention** [GB20]. **Price** [Ano98b]. **Pricing** [TT03]. **Primer** [LB96a, Wil97]. **Primitive** [Low00]. **primitives** [BBH+17, LZ07, NLK09]. **principle** [LAK09]. **Principles** [ACM93a, ACM94b, ACM95b, ACM98b, TLA+02]. **print** [Van97a]. **priorities** [MAH18, STV02]. **Prioritization** [CmL21, FD95]. **Priority** [BCG+08, NBMM12, SCCP13, ST05]. **priority-based** [NBMM12]. **Private** [Man99]. **privatization** [HZ12]. **Pro** [Ano97a, RB22]. **Proactive** [FJ08]. **Probabilistic** [EE10, EE12, CHH+03, Smi06]. **Problem** [HH11, Lee06, YFF+12, BIK+11, Mit96]. **Problems** [DK02, Nak03, AG21, AR17, Bar09, FTAB14, FR95]. **procedure** [BGK94c, KASD07, LQ15]. **procedures** [MCS15]. **Proceedings** [ACM94c, ACM98d, ACM99a, ACM01, Ano90, Ano94a, Ano94d, AOV+99, Gol94, Hol12, IEE89, IEE90, IEE92, IEE93, IEE94a, IEE95, IEE96, IEE02, Lak96, LCK11, USE89, USE91a, USE91b, USE92a, USE93a, USE93b, USE96, USE98b, USE98a, USE00b, USE01, USE02, ACM92, ACM95a, ACM96, EV01, IEE97, Wat91, ACM93b, ACM98c, RM03, Ano91, DLM99, IEE94b, IEE94c, FR95]. **Process** [FT96, FG91, BM91, HF96, LVS01, MR98, Ply89, WP10, WCV+98]. **process-oriented** [WP10]. **Processes** [CB16, III01, SPY+93, ZSA13, YZYL07, Zig96]. **Processing** [AHW02, GAC14, MLGW18, RW97, SG18, SS91, WN10, How98, MVY05, Par91, PYP+10, RKHT17, WCZ+07]. **Processor** [ABC+93, Ano00b, BVM19, BCG+08, BGH+12, EHG95, GV95, HMNN91, HHOM91, HHOM92, KST04, KML04, KAO05, LvH12, MGQS+08, MG99, MTN+00, MVZ93, MB05, SV19, SW08, Sin97, ST00c, SZ02, SBKK99, SUF+12, UALK17, UALK19, WS08, AAHF09, APX12, BEKK00, BH95, CL94, CY09, Cho92, EE10, Fis97, FRL18, Fuj97, Goo97, HF88, HKN+92, HMN+92, KDM+98, Kho97, KBA08, LBvH06a, LBvH06b, LBvH06c, LCH+08, Lu94, MK12, Met95, Moo95, Moo96, OCRS07, Raj93, Sha95a, SJA12, Sin99, ST00a, ST00b, STV02, Squ94, Sri93, Tsa97a, Tsa97b, TEE+96, VIA+05, WCW+04b, WCW+04c, WCW+04d, YN09, ZP04]. **processor-based** [WCW+04b, WCW+04c, WCW+04d]. **Processor-In-Memory** [SZ02]. **Processor-Oblivious** [UALK17, UALK19]. **Processors** [ARB+02, AH00, Ano01, BF04, CmL19a, CmL19b, EEL+97, FT96, FSPE20, FNS+22, FJ08, GJT+12, GSL10, JGS+19, KS16, KLG08, KU00, KLDB09, LPE+99, MHG95, MCFT99, MR09, ÖCS01, PF01, RCM+16, RYSN04, RRK11, SU01, SR01b, URŠ02a, VS11a, YG10, ZP11, Aga89, Aga91, Aga92, AAC+15, BGDmWH12, BWDZ15, CS95a, CS95b, CN14, CDD+10, DWYB10, Div95, Eic97, EE09a, EE09b, EE12, FD95, GMW09, GBP+07, KBF+12, LLL10, LBE+98, Luk01, MN03, MEG03, MTPT12, Mis96, NB12, NZ17, PFV03, PAB+14, PPGS20, RGG+12, RCM+12, RPNT08, SLP08, SMS+03, URŠ02b, URŠ03, ZSB+12, WM03]. **processus** [Zig96]. **Procs** [MT93]. **Products** [Ano97a, Ano00b, Ano97c, Bra97]. **Professional** [Ano00b]. **Profile** [BMR94, SV19]. **profiler** [DTLM14]. **Profiling** [BP19, DG99]. **Program** [BVM19, Chl15a, DSR15, EFN+01, GN96, KKW14, NBM93, PF01, PS01, SHK15, TSY00, TLZ+17, TLZ+18, TJY98, YDLW20, YLLS16, AC09, BGC14, BD06, Cal02, Dan09, Dub95, EFN+02, FRT95, JEV04, JPSN09, Yee20]. **Programmability** [THA+12]. **programmable** [PYP+10]. **programmation** [Swi09]. **programmed** [PPA+13]. **Programmer** [Cro98, Wil00, MS87, San04, Swi09]. **Programming**

[ACM93a, ACM94a, ACM94b, ACM94d, ACM95b, ACM98b, ACM99a, BBG+10, BO17, BTE98, But97, CMK00, CV98, CDK+01, Chl15b, CT00, CW98, DM98, FHM95a, FTP11, FA19, HCD+94, Hol98d, Hol98a, Hol98b, Hol98c, Hol99a, Hol99b, ILFO01, KKH03, KN17, KSS95, KSS96, Kno14, KIAT99, LB96a, LB00, LvH12, Mas99, MAG21, NBF96, Nor96, PG99, QOQOV+09, QOIM+12, Rod95b, SBB96, TCI98, Vre04, Wil97, YFF+12, dlPRGB99, van95, ALS10, AR17, AG96, ABG+08, BCHS00, BO96, BYLN09, Bir89, CFK+91, Car89a, CS00, CMS03, Cha05, CYZ98, DSH+10, DMSM18, EV01, FHM95b, GKZ12, Gil94, Gol97, GL07, HMC97, Hyd00, JPS+08, JHM04, KIM+03, Kim94, KN19, LB98, LPD+11, LP09, Man96, MSM+10, MKIO04, MR98, Mix94, NHFP08, Nev99, NBF98, ND96, PG96, Pra97, RR96, RR03, SKS+92]. **programming** [SV96c, SV96a, SV96b, Sen19, She98, She02, Sun95, TB97a, TB97b, TMAG03, Wal00, WCC+07, Yan02]. **Programs** [ABNP00, BBFW02, BE13, BLG01, CC14, CJW+15, CRE99, CS02, CC04, CdOS01, Chr01, DRV02, DSR17, EGP14, FQS02, GKCE17, HLB94, ITF+22, JBK18, KH18a, Kri98, LK20, LCS04, Lun97, Lun99, MS89, MGK+00, OB13, PHK91, Rin01, RD96, RR99, SPDLK+17, SBN+97, SYHL14, Ste01, TGBS05, Tra91, Vol93, VE93, ABF+10, BRRS10, BMTZ21, BK13, BCG13, BGC14, Blu95, BE12, BC02, BS10b, BNS11a, BNS11b, BNS12, CZWC13, CJ91, CL00, CLL+02, CVJL08, Cor00, DJLP10, Dil00, DESE13, EFG+03, EG11, EHSU07, FK12, Fer13, FF04, FFQS05, FF08, FFY08, GMR09, GB20, GRS06, GPR11, HLGD19, HZ12, JPS+08, JWTG11, JFL98, KC09, LQ15, Lea96, LMC14, LC13, MS03, MS87, MC06, MQ07, NR06, NH09, NSH14, NV15, OdSSP12, ORS+06, PAdS+17, PDP+13, PS03, PS07]. **programs** [RVS13, Rei95, RS07, SR01a, SCG95, SRA06, Sen08, SP00b, Shi00, SP05, SGS14, Sto02, Taf13, TR14, TLZ+16, WS06, WTH+12, XSaJ08, YCW+14, YNPP12, ZJS10, ZSJ06, dB09, vPG03]. **Progress** [FSPD17, TLGM17, ZHCB15]. **Progress-Aware** [FSPD17]. **Progressive** [BBdH+11, TGO00]. **Project** [Ano99]. **projection** [SSkP+07]. **Projections** [MQLR16, MLR15]. **proliferating** [Ano94b]. **Prolog** [AR17, AR19, EC98, KA97, MGK+00]. **Promises** [Gar01]. **Proof** [AddS03, ÁdBdRS08, FKP15, ÁdBdRS05, GLPR12]. **properties** [BMTZ21, KTLK13, Van97b]. **proposal** [GP05]. **Proposed** [GV95]. **protect** [San04]. **Protecting** [ZWGX22, ZJS+11]. **Protection** [CLFL94]. **Protein** [BCS11]. **Protein-Protein** [BCS11]. **Protocol** [GRS97, III01, ABN00, KASD07, QSQ14, RGT17]. **Protocols** [AB01, AB02, GRR06, TVD14]. **Prototype** [BMR94, HHOM91, HHOM92, BK96, BVG97, Far96]. **prototyping** [PDP+13]. **Provably** [DJLP10, GB99]. **provide** [Way95]. **provides** [Hig97]. **Providing** [PSM01, PSM03]. **proving** [Taf13]. **Provisioning** [BSSS14, FGG14]. **Pruning** [WLT19]. **pseudorandom** [SLF14, SV21]. **PSO** [HH16]. **PTF** [Yam96]. **Pthreads** [NBF98, Yam96, LB98, AS14, NBF96]. **Publications** [Bee98]. **Publishing** [Ano00b, Hig97]. **purity** [FFQ04]. **Purpose** [Ber96b, HSS+14, Man98, ZSA13, Ber96a, DC99, DC00, HSD+12, SKA01]. **Put** [Wal95]. **PVM** [DLM99, DPZ97, Pla02, ZG98]. **PVM/MPI** [DLM99]. **PyOMP** [MAG21]. **Python** [Swi09, How98, MAG21, Pul00].

**Q** [Ber96b, Cri98a]. **Q&A** [Cri98b, Hag02]. **QoS** [ICH+10, PSM01]. **QR** [Dav11]. **quality** [PSM03]. **Quantitative** [LPK16, NBM93]. **Quasi** [Pla02]. **Quasi-** [Pla02]. **Queries** [TGO99, TGO00]. **query**

[GARH14]. **QUERYFLEX** [Ano97a]. **querying** [HF96]. **Queue** [Cri98b, Cri98a]. **queues** [DGSB20, SCM05, ST05]. **Queuing** [VK99, KPPÉR06]. **Quick** [Ano00b]. **QuickRec** [PDP+13]. **quicksort** [Mah13].

**R** [Nag21]. **R-Friendly** [Nag21]. **R3000** [Aru92]. **Race** [HM96, KUCT15, LS18, MKM14, SBN+97, Sen08, Yan02, ZLJ16, AFF06, AHK08, EQT07, FF09, HR16, HHPV15, MMN09, NAW06, NA07, PS03, PS07, PFH06, RVS13, WDC+13, XHB06, DWS+12]. **race-freeness** [AHK08]. **RaceFree** [LZW+13]. **Races** [KZC15, FF10, NWT+07, PRB07, PT03, RBK+09]. **racy** [SRJ15]. **RADISH** [DWS+12]. **Ramada** [Ano94d]. **Ramada-Congress** [Ano94d]. **random** [LSS12, Sen08]. **random-number** [LSS12]. **Randomization** [ZWGX22]. **Randomized** [Sei98, Sei99, JPSN09]. **Rank** [AJK+12, ABLM19, Dav11]. **rank-revealing** [Dav11]. **Ranking** [DV99, VV00]. **Raphson** [AG21]. **Rapid** [DVAE18]. **ray** [Tod95]. **RCDC** [DNB+12]. **RCU** [CKZ12]. **Re** [ZWGX22]. **Re-Randomization** [ZWGX22]. **Reachability** [LCS04, LQ15]. **reachability-modulo-theories** [LQ15]. **Reactions** [LTM+17]. **Reactive** [LvH12, LNI+19, DMSM18]. **Reactivity** [BDN02]. **read** [NM10]. **read-only** [NM10]. **Reads** [LZL+20, AAJ+19]. **reads-from** [AAJ+19]. **ready** [Ano92b, DFC+19]. **Real** [BC94, IEE94a, IEE94d, JLS99, Kim14, KBP+03, MN00, PSM01, PUF+04, PSCS01, SZG91, SM19, SUF+12, Tet94, WLG+14, dlPRGB99, CZWC13, CMX10, Hol98d, Hol98a, Hol98b, Hol98c, Hol99a, Hol99b, Jen95, JPSN09, MKK99, OT95, PSM03, RPNT05, San04, SZ92, SJB92a, SJB92b]. **Real-Time** [IEE94a, JLS99, Kim14, MN00, PUF+04, PSCS01, SUF+12, Tet94, dlPRGB99, IEE94d, KBP+03, PSM01, SZG91, SM19, Jen95, MKK99, OT95, PSM03, San04, SZ92, SJB92a, SJB92b]. **Real-Time-and-Distributed** [BC94]. **Real-world** [WLG+14]. **Reality** [LH09]. **realizing** [YZ14]. **Realtime** [BMR94]. **reasoning** [FK12]. **rebiasing** [RD06]. **recognition** [Ano97b, LG04]. **Reconfigurable** [ROPdlT22, SSK+18, DSH+10, LP09]. **ReconOS** [LP09]. **reconstructive** [MCS15]. **Record** [Chr01, UALK17, UALK19, ACM93a, ACM94b, ACM95b, ACM98b, GCRD04, HDT+13, HT14, LSW+18, PDP+13, QSQ14, RD99]. **record-and-replay** [LSW+18]. **record-replay** [HDT+13]. **Record/Replay** [Chr01, GCRD04, RD99]. **Recording** [MCT08, NPC06, HZD13, LZTZ15, XHB06]. **recoverable** [LAK09]. **Recovery** [LAK09, VPC02, WCV+98, YZYL07]. **RecPlay** [RD99]. **rectangular** [SGLGL+14]. **Recursively** [BE13, BE12]. **Red** [Pla99]. **Red-Black** [Pla99]. **Redesign** [KSU94]. **RedThreads** [HTDL18]. **Reduce** [DSR15, CCC12, Cor00, KOE+06]. **reduced** [GA09]. **Reducer** [LS18]. **Reducing** [LK20, SLP08, SYHL14, PGB12]. **Reduction** [Ama89, CL95, HLH16, KLS92, SW08, SMP19, BKK17, HH16, XHB06, YL16, ZKW15, HLGD19]. **Reductions** [ZAK01]. **Redundant** [CCK+16, CvdBC18, HTDL18, KS16, MB07, AU21, MKR02, PSG06a, PSG06b, PSG06c, RRP06, WLG+14]. **ReEnact** [PT03]. **Reentrant** [ÁMdBdRS02]. **Refactoring** [Ten02]. **Reference** [Rec98, Sch14, KOE+06]. **Reference-Counting** [Rec98]. **refinement** [GPR11, KPPÉR06, KI16]. **Reflection** [OT95, Bak95a]. **region** [KBF+12, WZSK19]. **region-based** [KBF+12]. **Regions** [DELD18, AU21, GPS14]. **RegionTrack** [MWP+21]. **Register**

[GJT+12, LPE+99, RRK11, WW93, CCC12, HKT93, SLP08, kSYHX+11, ZP04]. **regulated** [XHB06]. **Relabeling** [HH11]. **related** [Bar09, RD06, TLZ+16]. **relational** [HB15]. **relative** [Bet73]. **Relatively** [NV15]. **relaxed** [BAM07, DNB+12, HT14, QSQ14, ZKW15]. **relaxed-consistency** [HT14, QSQ14]. **Relaxing** [CZS+17]. **RelaxReplay** [HT14]. **Relay** [Zha00]. **Release** [AB02, PST+92, SLP08, EKB+92, Pea92]. **Reliability** [CCK+16, CvdBC18, OL02a, OL02b, OL02c]. **Reliable** [KS16, NBS+15, RG03, YZYL07, YCW+14]. **relocation** [WW93]. **remains** [Ano94b]. **remedies** [ALW+15]. **remote** [TK98, ZLW+16]. **Remove** [CNZS17]. **Rendering** [SSB+22]. **reordering** [DKG18]. **Reorganizing** [TKK21]. **Replay** [Chr01, UALK17, UALK19, GCRD04, HDT+13, HT14, LVN10, LWV+10, LZTZ15, LSW+18, NWT+07, PDP+13, QSQ14, QSHI16, RD99]. **Replaying** [MCT08, WKG17]. **Replica** [AT16, FRL18]. **Replication** [AKP99, BKI06, AU21, VACG09]. **Replication-Based** [AKP99]. **Report** [Ano97a, HCM94]. **reproduce** [HZD13]. **request** [Sch98]. **Requirements** [PCPS15, GL98a]. **rescue** [SLP+09]. **Research** [BMF+16, USE01, AG06, BMF+19, RPNT08]. **réseau** [Swi09]. **Reservation** [LZS+08]. **Resilience** [SHK15]. **Resistance** [Gar01]. **Resistant** [YLLS16]. **resize** [Mit96]. **resolution** [Evr01]. **Resource** [CmL19a, HC17, LG06, LZS+08, LHG+16, RSBN01, YSS+17, CY09, HCD+94, VS11b]. **Resource-Efficient** [LHG+16]. **Resources** [LSB15, PFP+22, RGG+12, ZSB+12]. **Respec** [LWV+10]. **Response** [BBC+00, Smi01]. **responses** [BS06]. **Responsive** [SUF+12]. **Restart** [ZSA13]. **Restating** [EE14]. **Restore** [Ano00b]. **restricted** [ABG+08]. **restructuring** [BVG97]. **Results** [GV95, GRS06]. **Retentive** [RRK11]. **Rethinking** [Xue12, Len95]. **retrieval** [CML00]. **Retrospective** [TEL98a]. **Return** [ZWGX22]. **Reusable** [Han97]. **Reuse** [BCZY16, KZTK15, LPK16, SV19, JSB+11, NAAL01, PHCR09]. **revealing** [Dav11]. **Reverse** [Coo02, LSB15, WCV+98]. **Review** [Lar97, Van97a, Vre04]. **Reviews** [Ano97c, Bra97]. **Revised** [Cha05]. **revisionist** [PT91]. **Reviving** [TLZ+17, TLZ+18]. **revolutions** [ECX+12]. **Rewriting** [BGK94a, BGK94b]. **RHEED** [BD06]. **right** [MAH18]. **RISC** [Cho92, GV95, MHG95, Men91, Nik94, SBKK99]. **rise** [Len95]. **Robin** [CmL19b]. **Robot** [Lev97]. **Robust** [CMF+13, LG04]. **Rockefeller** [IEE90]. **Rogue** [Ano00b]. **Role** [BC94, KZTK15]. **rollback** [YZYL07]. **root** [BFSK20, CMX10]. **Ropes** [HMC95]. **Round** [CmL19b]. **routine** [SG18]. **Row** [KZTK15]. **RP3** [CJ91]. **RPC** [Tod95]. **RPPM** [DVAE18]. **RPython** [MRG17]. **RTOSS** [IEE94a, IEE94d]. **RTR** [XHB06]. **Ruby** [OCT14]. **rules** [GLPR12]. **Run** [EJ93, LFA96, Swe07, SS96, Pra95c, TNB+95]. **Run-Time** [EJ93, LFA96, SS96, TSY99, TNB+95]. **Running** [SV19, Cal02, MLCW11, SSN10]. **runs** [Hig97]. **Runtime** [ABN99, ABNP00, ABH+00, ABN00, BJK+96, BMN99, CZS+17, DNR00, FSS06, GB20, KPC96, MSFC21, NPT98, NS97, QOIM+12, SSP99, WS06, YSS+19, ZWGX22, ATLM+06, ALW+15, BAD+10a, BAD+10b, BJK+95, EQT07, Gol97, Ong97, TSY00, TMAG03]. **runtimes** [RL14]. **Russians** [KNPS16]. **Rust** [BO17, KN17, KN19, Tro18].

**SA** [SHW19]. **SableSpMT** [PV06]. **SAC** [GS06]. **Safe** [BCL+98, Kle00, Loc18, Low00, NH09, Pla02, AFF06, BYLN09, DMBM16, DMSM18, Fek08, GCC99, GOT03, Gro03,

NHFP08, Nev99, Rin99, Tro18].
**Safe-for-Space** [BCL+98]. **Safety** [Hag02, Pla98, Ric99, SP00a, GPS14, Sam99, San04, SRA06, Taf13, Van97b, Ven98, Yan02]. **safety-critical** [San04]. **Salt** [Hol12]. **sample** [LZSS19]. **Sampled** [JYE+16]. **sampling** [MMN09]. **San** [ACM93b, ACM94d, ACM95b, ACM98b, USE89, USE92a, USE93b, USE98b, USE00a, USE02]. **Santa** [Gol94, WP10]. **SAT** [VSDK09]. **Save** [Pla93, Dye98]. **saving** [Mus09]. **SC-preserving** [MSM+11]. **SC'11** [LCK11]. **SC2000** [ACM00]. **SC2002** [IEE02]. **SC2003** [ACM03]. **SC98** [ACM98d, ACM98d]. **SC'99** [ACM99b]. **Scalability** [ABLM19, CCH11, GVT+17, Nak01, VP16, BWDZ15, DSEE13, MWK+06, RVOA08, VIA+05]. **Scalability-Aware** [GVT+17]. **Scalable** [BMBW00b, CC14, CH04, CKZ12, IEE94b, KUCT15, LMJ14, LNI+19, MLCW11, Mic04, SSB+22, SS96, ZLW+16, BMBW00a, BMBW00c, GW10, LZ07, Mao96, PWD+12, SCZM00, WZSK19]. **Scalably** [DELD18]. **scalar** [GL98b, ZCSM02a, ZCSM02b]. **Scale** [CC14, CJW+15, HC17, LA93, PWL+11, AG06, BCM+07, GOT03, JCP17, SMK10, SKV21, KBA08]. **scale-out** [AG06]. **Scaling** [HC17, AR17, ECX+12, KTLK13, SW16]. **Scaling-Aware** [HC17]. **SCALO** [GVT+17]. **scene** [RVR04]. **Schedulability** [Kim14]. **Schedulability-Aware** [Kim14]. **Schedule** [MQLR16, MLR15, NAAL01, WTH+12]. **Scheduler** [ABLL92, BDN02, FSPD17, GJT+12, QSaS+16, SRS98, SS95, ASSS19, DC99, DC00, FKS+12, GP05, HZ12, WTKW08, XSaJ08]. **Scheduler-Centric** [BDN02]. **scheduler-oblivious** [HZ12]. **schedulers** [NBMM12]. **schedules** [BCG13, CZ02]. **Scheduling** [BB20, BL94, BL98, BL99, CCWY17, FS96, FSPD16, FSPE20, GRS06, JLS99, KLDB09, LLKS12, MNU+15, NB99, PEA+96, PM14, RS08, SM19, SLG04, YDLW20, YWJ03, BL93, CS95a, CS95b, CCC12, DC99, DC00, EE10, EE12, FD95, FKS+12, GA09, HL07, JSMP12, KD22, KKJ+13, KBP+03, Mis96, OA08a, OA08b, OA08c, PAB+14, Pol90, ROA14, SCCP13, SLG06, ST00a, TAS07, WHJ+95, WXAL22, ZSB+12]. **Scheme** [ABN99, PJS15, SKKC09]. **Schur** [YFF+12]. **Science** [Gol94]. **Scientific** [CMBAN08, HLB94, LWSB19, WN10, BT01, BD06, Dan09, NJ00, Ano97c, Bra97]. **scoring** [TO10]. **Scotland** [AOV+99]. **SCP** [SLJ+19]. **Scratchpad** [VCM19, TPZ21]. **Scratchpad-Memory** [VCM19]. **Scriptics** [Ano00b]. **Scripting** [RBPM00]. **Scripts** [TLA+02]. **SDC** [AU21]. **Seamless** [CV98]. **Search** [AMRR98, BCCO10, LAH+12, Mah11]. **searches** [TCG95]. **Seattle** [ACM93c, IEE94a, IEE94d, LCK11, USE98a]. **sec** [AHW02]. **Second** [IEE89, IEE96, FR95]. **Section** [DSR15, MNU+15, CS12, DTLM14, SMQP09, YL16]. **Section-Aware** [MNU+15]. **Section-Based** [DSR15]. **sections** [NM10]. **Secure** [SV98]. **Security** [BRRS10, MS03, Way95]. **sedition** [Bak95b]. **SEDMS** [USE92b]. **See** [Swe07, AC09]. **segmentation** [BÇG14]. **Select** [KKDV03]. **selected** [Cha05]. **Selection** [AT16, CmL19b, GPB+17, PR05, Sta90, ZTN19]. **Selections** [BAZ+19]. **Selective** [Nak03, PR98, VACG09, AU21, MCRS10]. **Self** [LLLC15, Pet00, SEP96, BDF98, SLP+09]. **Self-Allocating** [SEP96]. **self-healing** [SLP+09]. **self-migrating** [BDF98]. **Sema** [Kor89]. **Semantic** [ARA20, BNS11a, BNS11b, BNS12]. **Semantics** [BR15, CKRW99, HEJ09, MP01, BLM06, CKRW97a, CKRW97b, KT17, RMV22, ZHCB15]. **Semantics-aware** [HEJ09]. **Semaphore** [Hol98b, Kor89]. **Semaphores** [Hol98c]. **semiconductor**

[Ano97b]. **Semidefinite** [YFF+12]. **Seminar** [Nev99]. **sense** [Bak95b]. **Sensible** [LMA+16]. **Sensitive** [CC04, RYSN04, ASSS19, DC99, DC00, PFH06, ZJS+11, LG04]. **Separation** [SCG95, TFG10, TVD14]. **September** [ACM93c, AOV+99, DLM99, FR95, Hon94, IEE89, USE98b]. **Sequences** [GH03, FTAB14]. **Sequential** [CV98, TLZ+17, TLZ+18, AAJ+19, CKRW97a, CKRW97b, ORS+06, SCG95, SNM+12]. **Sequentialization** [ITF+22, HLGD19]. **sequentialization-based** [HLGD19]. **Serializable** [DELD18, MWP+21]. **serialization** [BHK+04]. **Server** [Ano00b, Cal97, Day92a, Day92b, Smi92, VB00, Zha00, CASA14, Est93, Gol96, Hig97, MEG03, SBB96, Sho97b, Sta90]. **server-side** [SBB96]. **Servers** [PHBC18, RCC12, BDM98, BBYG+05, BEKK00, KSB+08, RPNT05, SV96c, SV96a, SV96b]. **Service** [CGK06, GMW09, Hig97, PSM03]. **services** [LZ07]. **session** [Bak95b, HCD+94, IAD+94, VGR06]. **sessions** [Ano94e]. **set** [Aru92, KBF+12]. **Sets** [MNG16]. **Seven** [But14]. **several** [FGG14]. **shader** [PYP+10]. **shallow** [LVA+13]. **Shanghai** [IEE97]. **shape** [Cor00, GBCS07]. **SharC** [AGEB08]. **Shared** [BWXF05, BS96, DM98, EJ93, FJ08, GMR98, GH98, IXS18, LB92, MVZ93, MCT08, STY99, SLJ+19, Thr99, VB00, WC99, YMR93b, BMTZ21, BB00, Boo93, DLCO09, DPZ97, EKKL90, EV01, Gle91, ISS98, Jef94, MLC04, MKR10, NPC06, RGG+12, TSY99, TSY00, YMR93a, YN09, ZSB+12, dB09, Cha05]. **Shared-Memory** [BS96, DM98, EJ93, IXS18, MVZ93, MCT08, Thr99, WC99, BMTZ21, EKKL90, TSY00, YN09]. **shared-variable** [dB09]. **Sharing** [CLFL94, CB16, LLD17, RKK15, SP00a, Wei98b, ZJS12, AGEB08, AGN09, LTHB14, Sam99, SS95, TAS07, TE94a, Ver96, VPQ12, ZJS10]. **sharing-aware** [TAS07]. **sharing-based** [TE94a]. **Shelf** [MHG95]. **shell** [Ric91]. **Shift** [Ham96, Myl22]. **Shifting** [TVB+13]. **Shinko** [Ano00a]. **Shootdown** [PHBC18]. **Shop** [Bec00]. **short** [CPT08, Lie94]. **shortage** [Ano94b]. **Should** [EHP+07]. **SICStus** [EC98]. **side** [MMTW10, SBB96]. **sided** [QSHI16]. **SIGACT** [ACM93a, ACM94b, ACM95b, ACM98b]. **SIGCOMM** [RM03]. **Signal** [Eng00, BM91]. **Signals** [GRR06]. **Significance** [ZJS12]. **SIGPLAN** [ACM94a, ACM93a, ACM94b, ACM95b, ACM98b, ACM99a]. **SIGPLAN-SIGACT** [ACM93a, ACM94b, ACM95b, ACM98b]. **Silicon** [LB17, THA+12]. **SIMD** [FSYA09, SW08]. **Simple** [AKS06, Chl15b, WS08, BDLM07, CL00, MSM+10]. **SimpleGraphics** [MKK99]. **simplify** [PO03]. **Simplifying** [Pom98]. **SIMT** [CC18, LPK16, TCS20]. **SIMT-X** [TCS20]. **simulate** [MAF+09]. **Simulation** [For97, GV95, HPB11, JYE+16, MPD04, SLJ+18, VTSM12, WYT+20, WG94, Ano97b, BBH+17, KD22, KBF+12, Leg01, Lep95, MHW02, SWYC94, Sri93]. **Simulations** [HEMK17, LNI+19, LS11, SCD+15, ABC+15, KU17, LVA+13, VPQ12]. **Simulator** [SRS98, PWD+12, TSCH99, WZWS08, Nak03]. **Simulators** [BVL09]. **Simulink** [HYY+15]. **Simultaneous** [Ano05, CSK+99, EEL+97, GSL10, HMNN91, LEL+97a, LEL+97b, LPE+99, LEL+99, LRZ16, MCFT99, REL00b, SP07, SLG04, SHW19, SU01, ST00c, TEL95, Tul96, TEL98b, WS08, YG10, ABC+09, AAKK08, ABB+15, CCC12, EE09a, Fis97, HKN+92, HMN+92, LBE+98, Luk01, Mah13, MMM+05, MEG03, PHCR09, RCG+10, REL00a, REL00c, RM00, RPNT05, SLG06, SW16, ST00a, ST00b, STV02, SMS+03, TSCH99, TEE+96, VPC02, TEL98a]. **Single** [CLFL94, Dub95, EHP+07, FT96, HHOM91, JBK18, KH18b, KTR+04, MNU+15,

MTN+00, TCS20, CSM+05, MLC+09, Pra95c, VIA+05, YZ07, YSY+09]. **Single-Address-Space** [CLFL94]. **single-and** [YSY+09]. **Single-Chip** [HHOM91, MTN+00]. **Single-Instruction** [TCS20]. **Single-ISA** [KTR+04, MNU+15]. **Single-Process** [FT96]. **Single-program** [Dub95]. **Single-Thread** [KH18b, MLC+09]. **Single-Threaded** [EHP+07, JBK18, Pra95c, VIA+05, YZ07]. **Singleton** [Cha02, Rin99]. **SISC** [RGT17]. **situ** [LSW+18, RGK99]. **sixth** [USE98b, ACM94d]. **size** [LML00]. **skyline** [WZSK19]. **slave** [TJY+11]. **slice** [PSG06a, PSG06b, PSG06c]. **slice-based** [PSG06a, PSG06b, PSG06c]. **Slices** [MGQS+08, PF01]. **Slicing** [Kri98, FRT95, NR06]. **SlicK** [PSG06a, PSG06b, PSG06c]. **slower** [Pra95c]. **Small** [JLA16, Koo93, MM07]. **Smalltalk** [Bri89]. **Smalltalk-80** [Bri89]. **Smart** [ROPdlT22, Sim97]. **SMP** [BWXF05, BNH01, CRE99, HD02, KKH03, KKJ+13, Pra95c, TAS07, TMAG03]. **SMPs** [WG99]. **SMT** [Ano05, AH00, CY09, EE09b, EE10, EE12, FSPD16, FSPD17, FSPE20, HR10, KLG08, KH18b, KI16, MG99, MMM+05, NSP+14, PAdS+17, PAB+14, PLT+15, RYSN04, RPNT08, SLP08, SHW19, TAS07, TVB+13, VS11b, WA08]. **SMT-based** [KI16, PAdS+17, PAB+14]. **SMT-Directory** [HR10]. **SMT-SA** [SHW19]. **SMTp** [CH04]. **Snippet** [Nag21]. **SoC** [ZDTM19]. **SOFRITAS** [DELD18]. **Soft** [EUVG06, OA19, PSM01, PSM03, SSN10, VACG09]. **Software** [Ano97a, Ano98b, Ano99, Ano00b, BVM19, BCR01, BCG+08, Gar01, Gon90, GJ97, HB92, Han97, HSS+14, IEE94a, KE15, LPE+99, MKM17, PJS15, SZM+13, SD13, TVB+13, TLZ+17, TLZ+18, Tro18, XWG+14, YBL16, ATLM+06, AC09, Ano97c, ABC+09, BT01, Bra97, CDD+10, DPZ97, GLPR12, Hai97a, HSD+12, IEE94d, KKH04, KSD04, KASD07, LT97, Luk01, MWP07, MCRS10, MGL95, MEG03, NHFP08, OAA09, OL02a, OL02b, OL02c, PV06, RKM+10a, RKM+10b, RVOA08, San04, SP05, SLP+09, SB80, TNB+95, WCZ+07, WCV+98, YSY+09, ZHCB15, DWS+12]. **Software-Controlled** [BCG+08, Luk01]. **Software-Directed** [LPE+99]. **Solaris** [Cat94, Lun97, Lun99, MM01, McM97, Pra95b, Sun95]. **Solution** [Ano98b, SSK+18, SBC91, WP10]. **Solutions** [Ano00b]. **solve** [Bar09, MM07]. **Solver** [YFF+12, ÇM20, Kub15, RM99]. **Solvers** [MR09, Nak03, SSK+18, AAC+15, ZCO10]. **Solving** [ABD+12, FTAB14, Loe97, VSDK09]. **SONET** [AHW02]. **Sort** [GH98, RHH10]. **Sorting** [Ger18]. **Sound** [MWP+21, SMP19, WTH+12, DWS+12, FFY08, NFBB17, WQLJ18]. **Source** [Ano00c, BMF+16, BMF+19]. **sources** [SJ95]. **South** [ACM93a, Ano94d]. **Space** [BCL+98, BL93, BL98, CLFL94, CB16, Eng00, GRS97, GN96, NB99, PWL+11, Sch17, FWL03, KNPS16, KASD07, Lie94, LHS16]. **Space-Efficient** [BL98, NB99, BL93, KNPS16, KASD07, LHS16]. **Spacecraft** [SRS98]. **Spaces** [FKP15, Rót19, CKZ12, KGGK09]. **Spain** [ACM95a, DLM99, ACM98c]. **SPARC** [Cat94, KAO05, MD96]. **Sparcle** [ABC+93]. **Sparse** [But13, YFF+12, CSV10, ÇM20, Dav11, DTR18, KS21, MM07, PHCR09]. **spatial** [WZSK19]. **spatially** [PPA+13]. **spatially-programmed** [PPA+13]. **Special** [Ano94e, GGB93b, KU00]. **specialization** [WTH+12]. **specialize** [CWS06]. **Specialized** [dlPRGB99]. **Specific** [Ste01, SP00b, Shi00]. **specification** [LPD+11, Stä05]. **specifications** [TVD10]. **Specifying** [BNS11a, BNS11b, BNS12, LPD+11]. **spectroscopy** [KC09]. **spectrum**

[DKF94, Sha95b]. **Speculated** [SCL05]. **Speculation** [MGI14, SU01, WS08, YBL16, DG99, GB99, JEV04, LWV+10, MT02a, MT02b, MT02c, NB12, PO03, PT03, RGT17, SCZM00]. **Speculative** [AH00, Ano01, Ano02, BF04, IBST01, KLG08, MGQS+08, MG99, MT02a, MT02b, MT02c, RKM+10a, RKM+10b, SR01b, TFG10, WWW+02, ZJFA09, ZL10, CHH+03, DC07, Dub95, KOE+06, KT99, LZW17, LZSS19, LZL+14, NB12, OL02a, OL02b, OL02c, PV06, SMS+03, VS11b, XIC12, ZCSM02a, ZCSM02b]. **speech** [LG04]. **Speed** [Ano00a, Ano03, GV95, HG91, MR09, HG92, Pra95b, SRS98, TO10]. **Speed-up** [MR09]. **Speedup** [Lun99]. **Spin** [LLS06]. **SPIRAL** [MJF+10]. **SPIRAL-generated** [MJF+10]. **splittable** [SLF14, SV21]. **spots** [Gle91]. **spreading** [CWS06]. **SPSM** [Dub95]. **SQL** [CGK06]. **squares** [FTAB14]. **squash** [MK12]. **SR** [BO96]. **SRAM** [kSYHX+11]. **SSMT** [CSK+99]. **Stabilizers** [ZSJ06]. **Stabilizing** [BCM+07]. **stable** [YCW+14]. **Stacey** [Ano00c]. **Stack** [Eng00, Xue12]. **Stackable** [Loe05]. **stacking** [KSB+08]. **Stackless** [MS15]. **Stacks** [ZWGX22, DESE13]. **StackThreads** [TTY99]. **StackThreads/MP** [TTY99]. **Standard** [DM98, FSS06, WKG17, Ano97c, BCL+98, Bra97, MT93, Pla98, Pla99]. **standardization** [Bet73]. **Standards** [Thr99, TTY99]. **Standing** [TLA+02]. **Stanford** [IEE99]. **STAT** [Ano00b]. **State** [Laf00, LP94, MP13, RRK11, Wei98b, Cor00, I+94, TFG10, WHG07]. **State-of-the-Art** [MP13]. **State-Retentive** [RRK11]. **Statechart** [KW17]. **Statechart-Based** [KW17]. **stateless** [AAJ+19, MQ08]. **Static** [GPS14, Kri98, Lun97, SCB15, SBE+19, WW96, vPG03, Fer13, NAW06, NA07, AFF06, FFLQ08]. **Static/dynamic** [SCB15]. **Statistical** [Ano00b, RCM+16, Lan97, RCM+12, Tem97]. **Stay** [GBK+09]. **Stealing** [SKV21, ALHH08, BL94, BL99, RL14, WYT+20]. **Step** [Sho97a, Sho97b, ZG98]. **Steroids** [JLA16]. **Stethoscope** [Caz02]. **Stochastic** [DK02, LTM+17]. **Storage** [AT16, Hol12, LCK11, ZWGX22, Bak95a, Blu92, DZKS12, KOE+06, MM07, PDMM16, PPGS20]. **stores** [RMV22, TAN04]. **strand** [RČV+10]. **strata** [NPC06]. **Strategies** [PSCS01, WLT19, AGEB08, FGG14]. **Strategy** [BGK96]. **Stream** [KSU94, SG18, SG18]. **Streaming** [HHOM91, HHOM92, KEL+03]. **Streaming/FIFO** [HHOM91, HHOM92]. **Streams** [Pre90, SPY+93]. **Strength** [Kon00]. **Strict** [Coo95, FS96, Tra91, KIAT99, SCG95]. **Strictly** [Ano00c]. **Strong** [CWHB03, KZC15, AG21, MTC+07, ZHCB15]. **Structural** [CKRW99]. **structure** [BB00, YKL13]. **Structured** [TCI98, FR95]. **Structures** [RCRH95, AGN09, Gol97, ND13]. **students** [Fek08]. **Study** [AGK96, Chl15a, EGC02, Ger18, HMT+96, LSB15, Sat02, TAK+00, VK99, WG94, YMR93b, BFSK20, Bri89, CASA14, CL00, Fis97, HJT+93, HF96, KPPÉR06, LPD+11, MGL95, SP05, Sod02, Tsa97a, YM92, YMR93a]. **Style** [Wil94a, Wil94b]. **subdivision** [MTS10]. **subordinate** [CSK+99, CTYP02]. **Subsetting** [AJK+12]. **Substrate** [ACMA97, Hai97a, JP92]. **Subsumption** [Man91]. **Subtleties** [BLM06]. **Suffix** [OR12, LHS16]. **SugarCubes** [BS00]. **Suite** [BTE98, BO01, TG09]. **Suites** [SPDLK+17]. **SuiteSparseQR** [Dav11]. **sum** [TDW03]. **summary** [I+94]. **Summer** [Ano94f, USE92a]. **Sun** [McM97]. **SunOS** [Cat94, PKB+91]. **super** [Kus15]. **Supercomputer** [VTSM12, Gil94]. **Supercomputing** [ACM92, ACM95a, ACM96, Ano91, Ano94e, IEE90, IEE92, IEE93, IEE94c]. **SuperLU**

[Li05]. **SuperMalloc** [Kus15]. **Superscalar** [SU96, Div95, Fis97, Gul95, Loi95, Men91]. **Superthreading** [Tsa97b]. **Support** [ACM94d, ABLL92, BBG+10, CZS+17, CSS+91b, EJ93, GHG+98, KC99, Kno14, MKM17, ME15, MS89, NS97, PTMB09, SSP99, TY97, ZSA13, ATLM+06, BS06, BO96, CMF+13, CKD94, CHH+03, CSS+91a, CSS+91c, Evr01, Fan93, HMC95, MWP07, MEG03, MS87, Men91, TSY99, TSY00, TNB+95, WK08a, WK08b, WK08c]. **Supported** [AddS03, ZP11]. **Supporting** [RCRH95, Sam99, SP00a, DC99, DC00, TDW03]. **suppression** [JWTG11]. **Surface** [Rót19]. **surgery** [MCS15]. **Surprises** [BC98]. **Survey** [CA20, Man96, OA19, ZSB+12, Cat94, URŠ02b, URŠ03]. **Survival** [Ano99]. **Surviving** [Ano99]. **Svelto** [MCS+22]. **SVGs** [SSB+22]. **SVR4** [SPY+93]. **SW** [ZDTM19]. **swap** [MLS15]. **Swing** [Gea98]. **Switch** [GN00, Eic97, GWM07, TVB+13]. **Switching** [MSFC21]. **Switzerland** [Lak96]. **Sy** [USE01]. **Symantec** [Rod95a]. **symbiosis** [Bri89, EE10, EE12]. **Symbiotic** [FSPE20, ST00a, ST00c, ST00b, STV02]. **Symbolic** [ACM94c, BGC14, Hon94, Lak96, Wat91, BHKR95, Fuj97, HF88, HLGD19]. **Symmetric** [BMV03, NV94, BIK+11, Pra95b, RGK99, Sha98]. **Symmetry** [ES97]. **Symposium** [ACM93a, ACM93b, ACM94b, ACM94c, ACM95b, ACM98b, ACM98c, Ano91, Ano94a, Ano00a, Ano03, Gol94, Hon94, Lak96, USE91a, USE92b, USE93a, USE98a, Wat91]. **symptoms** [BFSK20]. **Synapsys** [Col90a]. **Synchronization** [Bec01, DSR17, Hei03, LA93, Rec98, SLJ+18, DHM+12, DESE13, MT02a, MT02b, MT02c, MTPT12, NLK09, PRS14, RD06, Ven97]. **Synchronization-Aware** [SLJ+18]. **synchronization-induced** [MTPT12]. **synchronization-related** [RD06]. **Synchronizing** [McM96a, McM96b, CZWC13]. **Synchronous** [BM07, HPB11]. **SynchroTrace** [SLJ+18]. **Synergy** [ZDTM19]. **syntax** [KT17]. **Synthesis** [CFC+22, FN17, FF20, HB15, LNI+19, MCS+22, Sch17, MP89, SR14, STR16, WQLJ18]. **Synthesizing** [GLPR12, Kim14, SRJ15]. **synthetic** [GJ11]. **System** [AddS03, ÁdBdRS08, AJK+12, Ano98a, Ano00b, ABN99, ABH+00, BMR94, BBD+91, BJK+96, BTE98, CLFL94, CC18, DNR00, FG91, Gei01, HMT+96, KMAG01, KS97, MS89, NPT98, PH97, PST+92, Pea92, PFP+22, PLT+15, QOIM+12, REL00b, SEP96, Sri93, SG96, TCI98, VSM+08, Yam96, YSS+19, ÁdBdRS05, AAC+15, Ano96, Ano97b, A+01, AR17, ASSS19, BBFW03, BDM98, BCHS00, BAD+10a, BAD+10b, BJK+95, BAD+09, BLCD97, Cat94, ÇM20, Gil88, Hig97, Joe96, JCP17, Lan02, MHW02, MS87, Met95, MTC+07, MC06, OCRS07, PRB07, Ply89, Pom98, REL00a, REL00c, RD99, She02, TKA+02, TLZ+16, TMAG03, WCC+07, WZWS08, WZSK19, TLA+02, EKB+92, MS87, Pea92]. **System-** [PLT+15]. **system-level** [OCRS07]. **systematic** [MQ07]. **SystemC** [RSB+09]. **SystemC/C** [RSB+09]. **SystemC/C-based** [RSB+09]. **Systems** [ACM94d, AG06, Ano00b, ABN00, BMN99, Bre02, BC94, CCH11, CvdBC18, Dru95, FMY+15, FGKT97, GHG+98, GJ97, HRH08, HKSL96, IEE89, IEE94a, KR12, KKH03, KG05, KUCT15, KW17, LLS06, LMA+16, LYH16, MS15, MSFC21, PPG11, PGB16, RW97, RR03, SUF+12, SS96, USE92b, Wal95, WC99, Zub02, Ano92a, Ano92b, BCM+07, BC02, Cat94, DCK07, DWYB10, DZKS12, DSH+10, DBRD91, GJ11, Gol96, GKK09, HJT+93, Hop98, HWW93, HBCG13, IEE94d, ISS98, JD08, Jef94, Jen95, KKH04, Kub15, LVN10, LLLC15, Leg01, LAK09, LVA+13, MLC+09, MGL95, MM07, NFBB17, PBDO92, PMCP22, RČV+10, RBF+89, RSB+09, RVR04,

SCCP13, She98, SP05, Sim97, SJB92a, SJB92b, ST05, Wei98a, WCV+98, Ano98b]. **Systolic** [SHW19, PYP+10].

**T** [Ano00c, CSM+21, NPA92]. **T/TCP** [Ano00c]. **T1** [Wea08]. **T1/T2** [Wea08]. **T2** [Wea08]. **Table** [VB00, KNPS16]. **tabling** [AR17, AR19]. **Tabu** [AMRR98]. **Tail** [DGSB20, ASSS19]. **taint** [ZJS+11]. **TaintEraser** [ZJS+11]. **Take** [Wei97]. **taking** [Ano92b]. **Talking** [Ano94c, HCM94]. **TAM** [CGSV93]. **Taming** [Hol00, HBCG13, HHPV15]. **TapeWare** [Ano00b]. **Target** [MIGA18]. **targeting** [LGH94]. **Task** [CCK+16, GP95, GFJT19, Kwo03, Mar03, Mis96, Myl22, PM14, ABG+08, CASA14, DCK07, KD22, OdSSP12, RCM+12]. **Task-Based** [GFJT19, Myl22]. **Task-Level** [GP95]. **Tasking** [CvdBC18, Dil93, KR01a]. **Tasks** [Fin95, PVS+17, TKK21, YSS+17, YSS+19, FGG14]. **Taxonomy** [HM96, SPH96]. **TC2** [BT01]. **TC2/WG2.5** [BT01]. **Tcl** [Ass96, USE96, USE98b, USE00b, Ama98, MKK99, SBB96]. **Tcl-based** [Ama98]. **Tcl/2k** [USE00b]. **Tcl/Tk** [Ass96, USE96, USE98b, USE00b, MKK99]. **TCP** [Ano00c, Ano00c]. **Teaching** [Fek08, CS00, She02]. **TeamWork** [CZWC13]. **Tech** [Ano97b, Gar01]. **Technical** [USE00a, Cat94]. **Technique** [JSB+12, KG94, Lem02, ÖCS01, PGB16, JSB+11, JPSN09, LGH94, MIGA18, RS07, UZU00, VACG09, WCV+98]. **Techniques** [ARA20, CA20, DS16, EKKL90, GS02, Han97, NLK09, PWL+11, TGBS05, Zig96, BR92, GEG07, OCRS07, Pra97, RCG+10, SV96c, SV96a, SV96b, ZSB+12]. **Technologies** [Ano00b, Ano98b]. **Technology** [Ano97c, Bra97, KM03, LB00, USE01, VSM+08, KSB+08, Tsa97b]. **TeleNotes** [WSKS97]. **temperature** [CCC12]. **Template** [Cal00, How98]. **Temporal** [CmL21, RMV22]. **Ten** [Ano99]. **Tennessee** [IEE94b]. **Tera** [BTE98, Mat97]. **Terabytes** [IEE02]. **Term** [BGK94a, BGK94b, BGK96, CmL21]. **Termination** [JBK18, TDW03]. **Test** [Ama98, EFN+01, GRS97, SPDLK+17, TG09, EFN+02, KI16, SR14]. **test-case** [KI16]. **Testing** [BBdH+11, Goe01, KH18a, LCS04, RCC14, SK12, BGP06, CBM10, EFG+03, EHSU07, MQ07, Sen08, YNPP12]. **tests** [SRJ15]. **Texas** [USE92a, USE00b]. **TFlux** [DTLW16]. **tgMC** [LHG+16]. **Their** [YWJ03, Gil94]. **them** [Ano92a, Ano94b]. **Theoretic** [ES97]. **theories** [LQ15]. **Theory** [ACM93b, LLD17, NFBB17, WLK+09]. **there** [Ano94b]. **thermal** [WA08]. **though** [Ano94b]. **Thread** [Ano00c, ABN99, ABNP00, Bet73, BTL+19, BS99, CNQ13, Cal97, CmL19b, CC04, Cha02, CCWY17, Col90a, DSR15, DELD18, DGK+03, Don02, DMSM18, DSR17, Eng00, FSPE20, FD95, FURM00a, FURM00c, FURM00b, GF00, GJT+12, GP05, GBCS07, GBK+09, Hag02, Hei03, HG91, ISS98, KG05, Kim14, Kle00, KH18b, KBH+03, KBH+04a, KBH+04b, LPM17, LML+19, LZL+20, LLL10, LYH16, LEL+97a, LEL+97b, Low00, LLD17, Man99, MG99, MNU+15, MGI14, MTN+00, MB05, MCFT99, ND96, Pan99, PR05, PEA+96, Pla02, Pla98, Pra95b, PGB12, PSCS01, RČV+10, RCM+16, RCG+10, Rec98, Ric99, Rin99, RYSN04, Rod95b, SKS+92, Sat02, STY99, SLG04, Sin97, SKK+01, SLT03, Ste01, TAS07, TLGM17, Wei98b, WG99, Wei97, Whi03, YBL16, ZP11, ZWGX22, AMRR98, ABG+08, BKC+13, BHK+04, BC02, CZSB16, CZ02, CSM+05]. **thread** [DMBM16, DG99, DWYB10, Don92, DBRD91, Eic97, EE09b, Fek08, GP08, GOT03, GLC99, Hyd00, JEV04, KDM+98, KC09, KBA08, KSD04, KASD07, LK13, LZW17, Lie94, LML00, LZL+14, Loe05, MLC+09, MT02a, MT02b, MT02c, MC06,

OT95, PAB+14, PRS14, PKB+91, PO03, PT03, PGB14, QOQOV+09, RGT17, SKG+11, Sha95b, SLG06, SP00b, Shi00, SPH96, SS95, SD13, SLT02, Stä05, SJ95, SCZM00, ST05, SS10, Tan87, TE94a, TLZ+16, TCG95, Tra91, Van97b, Ven97, Ven98, WS08, YZ14, SKP+02].
**Thread-Aware** [LYH16]. **Thread-Based** [KG05, CNQ13, SKS+92]. **Thread-Level** [LEL+97a, LEL+97b, MG99, MGI14, YBL16, FURM00a, FURM00b, MCFT99, WS08, DG99, JEV04, KC09, MT02a, MT02b, MT02c, PO03, PT03, QOQOV+09, RGT17, SCZM00, YZ14]. **Thread-Local** [DGK+03, Whi03, ZWGX22].
**Thread-management** [RCG+10].
**Thread-modular** [GBCS07].
**Thread-Private** [Man99]. **thread-related** [TLZ+16]. **Thread-Safe** [Kle00, Pla02, DMSM18, Rin99, DMBM16, Fek08, GOT03].
**Thread-Sensitive** [CC04, RYSN04].
**Thread-Specific** [Ste01, SP00b, Shi00].
**thread-switch** [Eic97]. **threadbare** [Bak95b]. **Threaded** [AGK96, BBG+10, BC98, Bed91, BGK94a, BGK94b, BGK96, CL95, CKRW99, CFC+22, Coo95, CSS+91b, DV99, EHG95, EHP+07, FdL02, GH03, GVT+17, GK94, Gil93, III01, JBK18, JY15, Jon91, KW17, Kri98, Kuc92, KIAT99, LK20, LB92, Mas99, MG15, MCS+22, MGK+00, MSU+16, NS97, PCPS15, Pul00, RKCW98, SV19, STW93, Sei99, Smi92, Ste01, SBKK99, TLGM17, VSDK09, VS11a, VB00, VCM19, WCT98, YDLW20, Ada98, AG21, ABD+12, AACK92, Ano97b, ASSS19, BWDZ15, BK13, BBH+17, BC00, BIK+11, DSEE13, CV98, CIM+17, CASA14, CKRW97a, CKRW97b, CWHB03, CSB00, CdOS01, CYZ98, cC91, CL00, Chr01, CR02, CSS+91a, CSS+91c, DS16, DGSB20, EFG+03, EBKG01, EHSU07, FTAB14, FD96, FF20, FGG14, GCRD04, GCC15, GS06, GH98, GPR11, HC17]. **threaded** [HLGD19, ITF+22, JCP17, KHP+95, KI95, KKH04, Kep03, KRH98, Küc91, LK15, Lan97, Leg01, LBvH06a, LBvH06b, LBvH06c, LVA+13, MLCW11, MS03, MKK99, NFBB17, NH09, NSH14, OA08a, OA08b, OA08c, PYP+10, PMCP22, PR98, PWWD18, Pra95c, RČV+10, RKM+10a, RKM+10b, RBPM00, RGK99, RS08, SCB15, Sam99, SP00a, SC17, SE12, Sei98, Sho97a, Sho97b, SV98, Smi06, Sto02, SQP08a, SQP08b, SQP08c, Taf13, TSY99, TSY00, Tem97, TMAG03, TJY+11, VIA+05, VV00, VK99, Wal00, Wil98, XMN99, YZ07, Yee20, YSY+09, ZKR+11, dB09, vPG03, CGSV93].
**Threading** [BFA+15, CGS+20, CvdBC18, CNZS17, DHR+01, FNS+22, Hol98d, KS16, LKBK11, MLGW18, McC97a, McC97b, MS15, MP13, Nag21, Nor90, OR12, PTMB09, PFP+22, RCC14, Rei01, Sch90, SMZ18, TGO99, TCS20, YLLS16, Bak95a, BM07, DTLW16, FWL03, KD22, Kno14, LZW+13, MLC+09, MCFT99, NJ00, RRP06, RVR04, SQP08a, SQP08b, SQP08c, VDBN98, kSYHX+11, YKL13, CH04].
**Threading-Based** [KS16]. **ThreadMentor** [CMS03, She02]. **Threads** [Alf94, Ano94c, ACR01, Ber96b, BCL+98, Boe05, BLPV04, BAZ+19, Cal00, CGR92, Col90b, Cri98b, Cri98a, TLA+02, FHM95a, For95a, For95b, GMB93, GSC96, GN96, Gus05, Hai97b, HW92, HBG01, Hol00, How00, HLH16, JLS99, KSS95, LP94, Lee93, Lee06, LB96a, LFA96, Man98, MKM17, MP89, McM96c, Nor96, PSM01, Pet00, Pet03, Pla93, Pra95c, San04, SEP96, TG99, WCW+04a, Wil94a, Wil94b, Wil97, Yam95, Yam96, dlPRGB99, Ano02, Bak95b, BZ07, Ber96a, BW97, BDF98, Bir89, BS00, But14, But97, CZWC13, Cal02, CPT08, Dra96, DESE13, DC99, DC00, FHM95b, FL90, GP05, Gol97, HCM94, HMC95, Hai97a, HBG02, HJT+93, HKT93, HKN+92, Hol98d, Hol98a, Hol98b, Hol98c, Hol99a, Hol99b, Kan94, KE95, KSS96, Lan02, LZ07, MSLM91, MR98, MQW95, McM96a, McM96b, McM98a].

**threads** [McM98b, Men91, Mit96, MEG94, OW97, OW99, OL02a, OL02b, OL02c, ORS+06, PSM03, Pan99, PG03, PL03, RR03, Sch91, SCG95, SZG91, SZ92, SCM05, SKP+02, TAN04, WCW+04b, WCW+04c, WCW+04d, Wei98a, WCV+98, WW96, ZCSM02a, ZCSM02b, ZP04, ALW+15, Van97a]. **Threads.h** [Ano00b, TB97a, TB97b]. **ThreadScope** [WT10]. **Three** [YMR93b, YMR93a]. **Throttling** [LG06]. **Throttling-Based** [LG06]. **Throughput** [GJT+12, Wea08, ZDTM19]. **Tightly** [MTN+00, LZTZ15]. **TileDB** [PDMM16]. **Tiles** [QOIM+12]. **Time** [BC94, CIM+17, EJ93, GN96, IEE94a, JLS99, Kim14, LFA96, Lun97, MN00, PUF+04, PSCS01, SUF+12, SS96, Tet94, dlPRGB99, CS95a, CS95b, DC99, DC00, GB99, IEE94d, Jef94, Jen95, KBP+03, KASD07, KBF+12, MKK99, ND96, OT95, OdSSP12, PSM01, PSM03, RGG+12, San04, SZG91, SZ92, SM19, SJB92a, SJB92b, TSY99, TNB+95]. **time-** [KASD07]. **time-critical** [RGG+12]. **time-efficient** [GB99]. **time-shared** [Jef94]. **timely** [NH09]. **Timers** [Hol99a, GRR06]. **times** [LTMK21]. **Timethread** [BC94]. **Timethread-Role** [BC94]. **Timing** [SK97, MHW02]. **timing-first** [MHW02]. **tiny** [Xue12]. **Tip** [Pet00]. **Tips** [Mit96, Pet00]. **Tk** [Ass96, USE96, USE98b, USE00b, TLA+02, MKK99]. **TLB** [PHBC18]. **together** [Ano97b, Pol90]. **Tokyo** [Ano00a]. **Tolerance** [EUVG06, OA19, MTS10, PG01, RRP06]. **Tolerant** [ÖCS01]. **Tolerating** [Luk01, RBK+09, SKK+01]. **Tool** [AddS03, Ano98b, Goe01, Kor89, LZL+20, TAM+08, ACD+18, CMS03, CSB00, Hig97, LMC14, RGK99, YNPP12]. **Tool-Supported** [AddS03]. **Toolbox** [Ano97c, Bra97]. **Toolkit** [MSU+16, SZM+13]. **Tools** [Ano98b, Cha05, EV01, WWW+02, EHSU07, Len95]. **Tools.h** [Ano00b]. **Toolset** [Ano97a]. **Top** [Ano99, AB02, DNR00, ZTN19]. **top-** [ZTN19]. **Topaz** [MS87]. **topics** [BGG95, GBG95]. **Toroidal** [KEL+03]. **Totally** [DHR+01]. **Trace** [MWP+21, RS08, HEJ09]. **Trace-Based** [MWP+21, RS08]. **Traces** [HEMK17, MWP+21, SLJ+18, WKG17, HR16]. **Tracing** [Lem02, EKKL90, Tod95]. **Tracking** [CZS+17, LH09, CZSB16, GB20, ZJS+11]. **trade** [AAC+15, Par91, KUCT15]. **trade-off** [AAC+15]. **trade-offs** [Par91]. **Tradeoff** [SHK15]. **tradeoffs** [Aga89, Aga91, Aga92, Ann96, PJZA07]. **Traffic** [HLH16, TCF22]. **training** [MCS15]. **Tranquilizer** [PGB12]. **Transaction** [LZS+08, RW97, SS91, DKG18, EQT07, Ver96]. **Transaction-Aware** [LZS+08, EQT07]. **Transactional** [GMGZP14, KUCT15, MWP+21, RG03, VSDL16, XWG+14, ZLJ16, ATLM+06, BLM06, BDLM07, CMF+13, CNV+06, GCC15, MLS15, MCRS10, MMTW10, MTC+07, OCT14, VTSL12, ZHCB15]. **Transactions** [Ano00c, DTLW16, FNA+18, SKBY07, BD06, Dan09, KR01a, KR01b, KGGK09, RKM+10a, RKM+10b]. **transfer** [TPZ21]. **Transform** [BVP+19, HN91, LHS16, TKHG04, TT03, TTKG02]. **transformation** [TSY00]. **transformations** [AC09, D'H92, JMS+10, VV11]. **Transient** [RM00, VPC02]. **Transient-fault** [VPC02]. **Transitive** [YMR93b, XHB06, YM92, YMR93a]. **Translation** [SSB+22, KBF+12]. **translator** [TJY+11]. **Transparency** [GKCE17, KBH+03]. **Transparent** [ABN99, LVN10, MSFC21, SLGZ99, ZSA13]. **Transparently** [CB16, JSB+12]. **Transport** [GRS97]. **transposed** [KS21]. **transposition** [SGLGL+14]. **trap** [Ram94, GRS97]. **trap-based** [Ram94]. **Tree** [Pla99, BCCO10]. **Trees**

[GFJT19, AD08, CKZ12]. **Trends** [Gar01]. **TRI** [ACM93c]. **TRI-Ada** [ACM93c]. **triangular** [BKK17, ÇM20]. **Trick** [Eng00]. **Tridia** [Ano00b]. **tridiagonal** [ZCO10]. **trigger** [Kho97]. **Triggered** [PPA+13]. **Troy** [SS96]. **TSGL** [ACD+18]. **TSO** [HH16]. **Tumbler** [PGB16]. **Tune** [RGK99]. **tuned** [Ano95a, Ano95b, Kub15]. **Tuning** [LWSB19, LEL+99, CSB00, RGK99]. **Tunnelling** [Don02]. **Tutorial** [Taf13]. **Twentieth** [ACM93a]. **Twenty** [AOV+99, ACM93b]. **Twenty-fifth** [AOV+99, ACM93b]. **Two** [BBH+17, CM98, JYE+16, STY99, GLC99]. **Two-Level** [JYE+16, BBH+17, STY99]. **TX** [Cha05, ACM00, USE91b]. **TxRace** [ZLJ16]. **Type** [Gro03, Loc18, VGR06, BAD+09, GE08, Lan02, Mil95, PRB07]. **type-checking** [Mil95]. **Type-Safe** [Loc18, Gro03]. **typed** [DMBM16]. **Types** [AFF06, FFLQ08, Ten98, BAM07, KS93, RMV22, VGR06]. **typings** [Smi06].

**UCITA** [Gar01]. **UK** [AOV+99]. **ULT** [PG03]. **Ultra** [PWL+11]. **Ultra-Scale** [PWL+11]. **UML** [SK12]. **Unbounded** [CNV+06, FKP15, BDLM07]. **uncommon** [BDLM07]. **Unconventional** [DSAD+18]. **Uncover** [WS08]. **underdetermined** [Kub15]. **Undergraduate** [BLPV04]. **Understandable** [MSM+16]. **Understanding** [BZ07, TLA+02, EPAG16, JGS+19, RRP06]. **Undocumented** [SW97]. **Unfoldings** [KH18a, SPDLK+17]. **Unicode** [Swi09]. **Unified** [Wei98b, ABG+08, GKZ12]. **Uniform** [BDN02, SKG+11]. **unifying** [MS03]. **unimodular** [D'H92]. **unintrusive** [HDT+13]. **uniprocessor** [GL98a, Yan97]. **uniprocessors** [BRE92, EJK+96]. **Uniscape** [Ano98b]. **UNISIM** [LS11]. **UNISIM-Based** [LS11]. **unit** [CBM10, Par91, PAB+14]. **United** [ACM94c]. **Unithreaded** [RLJ+09]. **Units** [RKK15, Gun97]. **univariate** [CMX10]. **University** [IEE99]. **UNIX** [Ano00b, FG91, JJ91, Kor89, MS87, MS89, Nor96, RR96, RR03, Yoo96a, Ano98b, Ric91]. **Unix-to-NT** [Ano98b]. **UnixWare** [Rod94, Rod95b]. **unlocking** [XSaJ08]. **unravel** [But14]. **Unraveling** [Bec00]. **Unsynchronized** [DSR15]. **unveiled** [Ano95a, Ano95b]. **Unveiling** [AAC+15]. **up-and-downdating** [VV11]. **UPC** [EGC02, FA19]. **updates** [NH09]. **Updating** [HSS+14, HSD+12, NHFP08]. **Ur** [Chl15b]. **Ur/Web** [Chl15b]. **URL** [TLA+02]. **USA** [ACM94a, ACM94d, Cha05, Hol12, ACM96, ACM98d, ACM00, Ano90, EV01, IEE89, IEE94a, IEE96, IEE02, SS96, USE89, USE91a, USE91b, USE92a, USE93a, USE93b, USE00b, USE00a, USE01]. **Usage** [BS96, Kor89, VS11b]. **usages** [BFSK20]. **Use** [Bak95a, FJ08, HW92, WWW+02]. **Use-once** [Bak95a]. **Useful** [Pet03]. **USENIX** [Ano90, Ano94f]. **User** [ABLL92, DLM99, Eng00, GRS97, MQW95, SLT03, BF08, GP05, GRR06, HF96, Li05, MSLM91, OT95, SLT02, TNB+95, YZYL07]. **User-Level** [ABLL92, SLT03, MQW95, GRR06, MSLM91, OT95, SLT02, YZYL07]. **User-Space** [Eng00, GRS97]. **Using** [Ano99, ABH+00, AZG17, BDN02, BTL+19, BBC+00, BLG01, BTE98, BAZ+19, CRE99, Cor00, DS16, DTLW16, DBRD91, GH03, HBG01, HJT+93, HBTG98, Hei03, How00, KMjC02, KH18b, Kwo03, KET06b, LFA96, MPD04, McM98a, McM98b, Mix94, MM07, PF01, PBR+15, PO03, SW08, SCD+15, SEP96, SLT02, WKG17, WJ12, Whi03, ZLJ16, Ano96, Bar09, BCM+07, CML00, Cat94, CTYP02, CDD+10, CVJL08, CKZ12, DESE13, GCC15, GMB93, GEG07, Hig97, HH97, JWTG11, JJY+03, JCP17, KASD07, KBF+12, LK15, MM14, NPC06, NWT+07, Nik94, PT03, RKM+10a, RKM+10b, RM99, RPNT05, SLGZ99, SLP+09, TP18, TFG10, Tod95, TAN04, VPC02, VD08, ZJS+11,

KSB+08]. **UT** [Hol12]. **Utility** [FHM95a, JSMP13, WLT19, FHM95b]. **Utility-based** [JSMP13]. **Utilization** [PFP+22, Squ94]. **Utilizing** [ES97, WZSK19]. **UX** [Ano95a, Ano95b, Yam96].

**V** [EKB+92, Pea92, FG91, PST+92]. **v1.0** [Ano00b]. **Validating** [LB17]. **Validation** [BMV03, DSR17, LB17, SCB15]. **Valley** [GBK+09]. **value** [DG99, TFG10, ZCSM02a, ZCSM02b]. **Values** [EUVG06]. **Variable** [CA20, Evr01, dB09]. **Variables** [Hol98c, Whi03, Bak95a]. **variants** [RB22]. **variation** [PGB12]. **variety** [CML00]. **VAX** [Gil88]. **VDOM** [SSB+22]. **Vector** [CSM+21, Goo97, HHOM91, HHOM92, KBH+04a, KBH+04b, KKS+08, LRZ16, SSB+22, VD08, CS95a, CS95b, CSV10, KS21, KBA08]. **Vector-Processor** [HHOM91, HHOM92]. **Vector-Thread** [KBH+04a, KBH+04b, KBA08]. **vectorization** [cC91, JMS+10, RKHT17]. **vectorized** [TP18]. **vectors** [KTK12]. **Velodrome** [FFY08]. **Verification** [ÁMdBdRS02, BCR01, Chl15a, DRV02, EGP14, FK12, ITF+22, JBK18, KKW14, YDLW20, BMTZ21, BK13, CASA14, DCK07, EG11, FFQS05, HLGD19, NSH14, Stä05]. **Verified** [Loc18]. **verifiers** [GLPR12]. **Verifying** [GMR09, RKCW98, GPR11]. **version** [NHFP08, TV10]. **version-consistent** [NHFP08]. **versions** [BD06]. **Versus** [NSP+14, Ann96, Yam96, dlPRGB99]. **Vertex** [CNZS17]. **Vertex-** [CNZS17]. **Very** [AOV+99, Pet03]. **VI** [ACM94d, Ano03]. **via** [BCZY16, CCWY17, FBF01, Hig97, ITF+22, KRBJ12, KGPH12, Kim14, LWV+10, LZTZ15, LEL+97a, LEL+97b, RM00, SCCP13, SMD+10, Ten98, VV11, WCW+04b, WCW+04c, WCW+04d, WCW+04a, WLK+09]. **Viability** [KLH97]. **Video** [BC00]. **view** [KTLK13, PT91]. **Vina** [TO10]. **Violations** [MWP+21]. **Virtual** [BSSS14, BBM09, KG05, KKDV03, PRB07, PHBC18, USE01, WCW+04a, DLM99, DPZ97, DC99, DC00, MN03, MRG17, Ven97, WCW+04b, WCW+04c, WCW+04d, WK08a, WK08b, WK08c]. **Virtualization** [LRZ16, YSS+17, ABB+15]. **Virtualized** [FNS+22]. **Virtually** [LB92]. **virtues** [NJK16]. **virus** [GJ11]. **viscous** [RM99]. **Visual** [PTMB09, Dil93, McM96c, Esp96, Nag01]. **Visualization** [Ano97a, ACR01, Cal02, Caz02, MSU+16, BCHS00, CSB00, MKK99, NCA93]. **Visualizing** [CdOS01, WT10, ACD+18, DSEE13]. **Visually** [Dru95]. **VLIW** [For97, GSL10, ÖCS01]. **VLSI** [ABC+93]. **VM** [FGG14]. **VMs** [KKJ+13]. **VMT** [FNS+22]. **voltage** [MTPT12]. **volumes** [Koo93]. **VRSync** [MTPT12]. **vs** [EHP+07, GBK+09, MMTW10, MCFT99, SSkP+07, SKP+02]. **VTK** [MSU+16]. **VTK-m** [MSU+16]. **vulnerability** [SSN10, WHG07].

**WA** [LCK11, ACM93c, IEE94a, IEE94d]. **Wabi** [Ano97a]. **wait** [PMCP22]. **wait-free** [PMCP22]. **Waiting** [LA93]. **Waits** [How00]. **WAN** [Yas95]. **Wanted** [Ano94g]. **Warnings** [CJW+15]. **warp** [FSYA09, MTS10, Rei95, Tam95]. **was** [San04]. **Washington** [ACM92, Ano90, IEE94c, USE98a]. **Watch** [Ano97b]. **water** [LVA+13]. **Wave** [Ano00b, BBC+00, LS07, WQLJ18]. **wave-based** [WQLJ18]. **wavelet** [TKHG04]. **Way** [KAO05, MTN+00, Rin99, ZJFA09, FGT96]. **Ways** [Wei97]. **Weak** [KZC15, TVD14]. **Weakening** [WRPP19]. **Weaving** [Pra95b]. **Web** [Ano94d, Swi09, Chl15a, Chl15b, Hig97, MGI14, PCM16, VP16].

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