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Title word cross-reference

#3 [Gal80]. #4 [Fos72a].

+ [AM06, NSH+11]. 0.18µ [WW12]. 1
[SKN+15]. 10 x 10 [CTHV+15]. 2
[BAES89, MIO+10, SA88a]. 2 x 2 [LIW82]. 3
[AA11a, ASR+17, ACK+95, CBS98, FAYA87, GPY+17, GCC+14, HS86, KDS+06, KNP+07, KKC+16b, LNR+06, Loh08, MK84, MDS+11, MAS+06, OSF+15, Sib07, SLSN14, Tad13, THEK16, TSN+86, UMB+11, YA90]. 32 [Tad13]. 36 [DCS+14]. $39.95 [Fer88]. 5

AT^2 = O(N log^4 N), T = O(\log N) [HS86].
LU [WJZ15]. µ [COS2, Ulm95]. N

[HC15, WN14]. N ≥ 32 [OCBL12]. O(1)
[See89a, See89b]. r [OCBL12]. r_2 x r_2
[YA90]. r ≥ 8 [OCBL12]. r x r [YA90]. Σ(4)
[Sez86].

-bit [Tad13]. -body [WN14]. -core
[DCS+14]. -D [BAES89, FAYA87, OSF+15, SA88a, Tad13, THEK16, TSN+86].
-dimensional [HS86, MK84]. -EP-1
[Ulm95]. -point [Eij90]. -point/ [Eij90].
-stage [YA90]. -version [HC15].

//ELLPACK [HRC+90]. /what [Uht02].

'03 [IEE03].

1 [Dav80a, DM91, Fin93, NOK+83, SHNS86, SDV+87, Ulm95]. 10 [Ful76]. 100
[Kap87, RBH+03]. 1000-core [KJJ+09].
100X [LKC+10]. 101 [KKK76]. 10Gb
[VFCM13]. 10Gb/s [VFCM13]. 10GbE
[HTM15]. 10th [IEE83]. 11
[BS76, BS98b, BS98a, CRW+15, De 81,
GM82, Jen78, Lar82, Mid82, Str76, Wie82].
11/60 [Hug82]. 11/780
[CL82, EC84, EC98a, EC98b, GM82].
11th
[IEE84]. 12th [IEE85]. 14th [IEE87]. 15th
[IEE88]. '16 [Tsa16]. 16-bit [BFAJ93]. 16th
[ACM89]. 17th [IEE90]. 18th [ACM91].
1972 [Fis83]. 1973 [Sla84]. 1975
[Kin75, Mil77a]. 1976 [Buc78, Chr77, IEE76,
McG78, Mil77b, Ram78, Tan78, Vra78].
1977 [Gon77, IEE77, Whi78]. 1978
[ACM80, Sac83, Wak81]. 1981
[Ben82, IEE81, Kav81]. 1982 [Gor83]. 1987
[Bit89, Pat87, Sch88]. 1993
[ACM93a, ABC+94]. 19th [IEE92]. 1S
[SA83].

2 [ABKA85, DD90, Fat90, GKB+13, Kha97c,
Kha99b, MR90, SzUK+04, TSN+86,
TGGS14, WCW+04, WOT+95]. 2-II
[ABKA85]. 2-Sparse [AYA83]. 2.0
[BO01, Bur06]. 20 [ACM93a]. 2000
[AK01a, GPT02, KKK92, SG94]. 2001
[AK01b]. 2004 [Ano05d]. 2005
[IEE05, JPT05, RSL05]. 2006
[ABZ07, JEE06, TKJ07]. 2008 [JKTO].
2012 [AMM+12]. 2013 [Hil13]. 20th
[ACM93a]. 2100A [HW77]. 21264 [CK00].
21264-based [CK00]. 21364
[CV03, MSB+02]. 21364-based [CV03].
21st [Hil13, IEE94]. 22nd [ACM95]. 23rd
[ACM96]. 240 [BD93b]. 24th [ACM97].
25th [ACM98a]. 26th [IEE99]. 27th
[ACM00]. 28th [ACM01]. 29th [ACM02a].
2m [Dvo90]. 2nd [Co88, Kin75]. 2nd
[ACM03]. 2R [RO74]. 2X [ZBB16].
30th [IEE03]. 31st [ACM04]. 32 [BCL82].
32-bit [BFAJ93, Ulm95, Ulm97]. 32nd
[IEE05]. 33rd [IEE06]. 3600 [Moo85]. 390
[HS01]. 3L [CO82]. 3rd [IEE76].
4 [Fos72b, NOK+85, SKS+92]. 432
[GC86, HLM+82, PCH+82, Rat82]. 4381
[GPR87]. 4th [IEE77].
5 [DHB89, KC95, SGS+93]. 512
[Fis83, Fis98b]. 5th [IEE79, Rou86].
6 [PMPM96]. 60 [Bat72, BBK76, Hay77].
620 [DNS95]. 64 [ZRMH00]. 64-bit
[AA11b, YYX+07].

7.000 [Ber76]. 7th [ACM80].
80 [BSUH87, DD90]. 8000 [SGH97]. 8026
[Pat82]. 8086 [Sch89]. 8086/88 [Sch89].
8087 [Pal80]. 8800 [Cla87, CBK88]. 8th
[IEE81, JDL81, Tho81].
9th [IEE82].
VNM+12, VGK+10, WWFH03].

**Acceleration**

[CKS+08, GPP+17, NS16, SLTC16, TM14b, AIO+11, COH+11, CYH+11, FGVG13, GDN+16, GSM+99, JMP09, JSPM13, MSS14a, MYP+16, PCL10, SM12, SYP+14].

**Accelerator** [CHM08, LCL+15, MCK16, OSF+15, OHW17, SOD+14, AB86, BJL+13, CDS+14, DP12, HGS+16, KJJ+09, LNEHR11, OIA+13, SNM+16, SRWB14, TYSK11, Tem12, TPO06].

**Access/execute** [BC90b, HIT05, AAZ89, AKSD16, APX12, APS95, BSL08, BDF1, BC04, CME+12, CL89, CFS+12, DN93, Dow91, DSB86, DSB98, DS98, DNSN07, F0n03, F0s72a, Fre87, HL89, HK80, HASA14, HDF+90, KDO6, KPK89, KHS+97, Las88a, LTQZ06, MSS14b, MC91, ON12, PVAL95, PT86, Ria80, RDK+00, SD10, SMI82, Smi98a, Smi98c, SSR+13, SCRT78, TLD14, VLL+92, dRBC93].

**access/executes** [APX12, BD91, SMI82, Smi98a, Smi98c].

**accessibility** [CYS+99, HJ86, PBC+13].

**accessing** [SKP+07].

**accommodating** [KKM07].

**account** [Oya89].

**accounting** [EE09].

**accumulators** [Kee78a].

**accuracy** [EC96, KK99, KPK90].

**Accurate** [CPT08, DFL05, DH98, EBS+04, LB06, TM14a, VGX17, CG94, EESK06, KIC+16, LF00, RWA+16, SK13, VLZ88, ZYG90].

**ACE** [WMP07].

**achieving** [AKJ+09, HCS9, SN99, TP08, ACS+12, FP91b, NLS88].

**Architecture** [PAD16].

**ACISA** [Bhu83].

**ACOS** [NOK+85].

**ACOS-4** [NOK+85].

**acoustic** [UVG12, UVG14].

**acquisition** [MF76].

**across** [PM92, P9n91].

**activation** [CHCmW00, ZCX+14].

**Active** [OCS98, vECGS92, vECGS98, ACK94, DMR+11, MK84, SADAD02, vESCG98].

**ActivePointers** [SBS16].

**activity** [YRK07].

**actuator** [KC02].

**acyclic** [VAV10].

**ad** [KMVS12].

**Ada** [PCH+82, R989].

**adaptable** [KKT05, vIG80].

**adaptation** [HRT03, TST07, VGNL89].

**adaptations** [SHA02, HA04].

**Adapting** [JSN98, LB08].

**Add** [THEK16, LGM+14].

**adder** [MS13a].

**Adding** [Tab10, KMC+93, YCT05].

**Addison** [Fos93, Mad94b, Sch88].

**Addison-Wesley** [Fos93a, Mad94b, Sch88].

**addition** [Jou90, Jou98a, Jou98b].

**Address** [BRC+05, CB17, EMZ+16, WS90, AS86, ACM02b, APS95, AS96, BCR11, BJR+99, BYG+00, BDD+99, BKW00, Bra80a, CKZ12, Est02, FP91a, FP91b, Goo87, GKS09, HK89a, HK93, L06, LBZ08, P8H14, QD08, RLS10, RF96, SWL10, SF03, SBS16, Ste88, TDF90, WY95, Will83b, Will91, WEG+86, WK89, YK05, Zha01, ZZP04].

**Address-Based** [BRC+05].

**Addressable** [Che87, MG97, Vra87, Hic77a].

**Addressed** [JWK12, Goo88b, Hea76, LLC98].

**addresses** [CBS88, CLR05, HK89c].

**Addressing** [Fen84, ZBF10, CCH+87, CD82, MB08, SIG98, Won89],

**adequacy** [RE12].

**adequate** [Mat91b].

**Adjustable** [DL92].

**adoption** [YMST07].

**Advanced** [KSN07a, Par90, GB83, OWCL90, TP8+77].

**Advances** [Atk79, Gor83, AD98, Sat74].

**advantage** [MTZ13].

**Advantages**
[LM74, GK85]. AEGIS [SOSD05]. Aérgia [DMMD10]. AES [MM14a]. affinity [LS12a, NAAL01]. Against [AYQ+16, Ino05, Mat91a, Mye77, SM77]. age [WWC+14]. aggregation [OBRW14, VGNV05]. aggregations [HPU+16]. aggressive [AK00, LM99]. aggressively [GWSU12]. Agile [GHS16, IMK+13]. Agility [OSK15]. agree [SCAP97]. Ahead [KKB+16, Bat72, CD77, May82, McL91, SF03]. Aho [TZH+13]. AI [DM91]. Aid [LDSC08]. aided [Pes74]. aids [Sch73b]. Aikido [OZK+12]. air [CTW+13]. Airdisks [JW95]. airRAID [JW95]. Al [Ant91]. Aladdin [SRWB14]. Alaska [ACM02a]. Alewife [ABC+95]. All-inclusive [KSL16]. alignment [IBC12]. ALITER [GSS05]. all-flash [JCSK14].Allocate [BA84]. Allocate [AWAG15, CPV05, KXXB17, WM16, BEH91b, CT90, DMB8, HFPS8, Kum87, LFZE00, NUNS94, OML83, PP03, PB82, Pri91, VNM+12, ZRW05]. allocation/reclamation [Kum87]. allocator [BMBW00]. Allowing [RTJ00]. Almasi [Lan90a]. Amnerico [Ful93]. Almost [NWB+15, TP08]. ALPHA [YHN+86, Tab96, KW84, HHA83, BS98a, CB94b, CK00, Cve03, EAK+02, Kar07, MSB+02, SFKSO2, ST03]. alpha-particle [KW84]. AlphaServer [GSSV00]. ALPS’07 [KSN07a]. Alternative [YP92, YP98a, BJL+13, Har82, LIMB09, MK11, VSMF03, VE14, YP98b]. alternatives [BVR+00, MM92, MKR02, HH09, SSP97, Woo14]. Alto [IEE09]. ALU [HRDA85, KM+98, PG04]. always [DWS+12, Bu83]. always-on [DWS+12]. amateur [Pau13]. Ambiguous [Tan77]. AMD [TL10]. Amdahl [AGS05, EE10a, JM12]. AMNESIAC [AK17]. Amnesic [AK17]. among [TtLC13, VB94]. Amorphous [And90]. AMP [Dav0a]. AMP-1 [Dav0a]. analog [HGS+16, LHG+16, SNM+16, SY+14]. Analyses [WHZ+17, OZK+12]. Analysis [ASR+17, BBFP06, CL92, CGL92, FXZ+17]. Alpine [JTB98, GPPT02, GCLM85, JKT05, JKT09, MCN+17, MD88, NH+17]. NMS+14, PJ07a, SBZ+15, Sez05, SD95, SA83, TAM+08, TK07, Tze90, WM89a, WM88, Woo86, AS98, AC09, ACC+03, AS92b, AML+10. BP04, BKW90, BMT00, CFS99, CHV04, CSSP87, CKC11, CL82, CKDK91, CK00, Cve03, DS06, D885, DF92, DS02, EPCP98, Fat90, GYCS96, GYC+10. HG97, HM05, HS85a, Hig90, Hla83, HCS02, HSN77, JM88, JmWH97, KTK12, KPK90, KT05, KMS+12, KR85b, LW84, LBH12, LBE+98, LFH03, McD82a, MS76, MM82, NMB92, Nap86, PQC+09. REL00, SMD+13. SKB09, Sib07, SA88b, SA90, SK10, SW87, SKC+03, SS82, TA83, Th01a, TACT08. VLZ88, WMP07, WO85, WF87, WO85, WO86, WZY13, YGS95]. Analytic [SPA+98, HS74]. Analytical [GB87, HK09, KS07]. Analytics [Che17, OYK+16]. analyze [HANR12]. analyzers [RR04]. Analyzing [HS85b, LW07, NS16, WZJ10, BF73, Che90].
Anchorage [ACM02a]. Andrew [Ram78].

Android [AHA+14, KDV11]. Angus [Lan90b]. animating [AFGM10].

animation [HGS+07]. Ann [IEE84]. Anne [Ful91a]. annotated [HLW94, Pri91, Sta86].

Announcing [AMM+12]. Annual [ACM80, ACM93a, ACM95, ACM96, ACM97, ACM98a, ACM04, IEE67, IEE77, IEE79, IEE81, IEE84, IEE85, IEE87, IEE88, IEE94, IEE03, JDL81, Kin75, LS73, Tho81, ACM89, IEE82, IEE83, IEE86, IEE90, IEE92].

Anomaly [DZ09, CG06, MC91]. Anomaly-based [DZ09]. answers [MPH12, Sni75b]. antenna [DSOF11]. anti [BE03]. anti-aliasing [BE03]. antivirus [UMK05].


anywhere [WSM+09]. AP1000 [HHSI93, SHI92]. aperiodic [Wei89]. API [CS13b, HFL03, NUMS94]. appliances [AIK+05, Nak01]. Application [AW17, BMP+04b, CDY+17, HSH96, KCW+09, ME78, TT08, TAM+08, DSM82, EK88, EKJ+96, EG97, Fin93, Gai83, HANR12, HDT+13, HRT03, ISL96, JS99, cJO99, KSO2a, KSO7, KSO91a, LS12b, MS76, MK05, MIPV89, OUY+13, Pjv90, Pjv90a, Pjv92, RSPV90, Rjv00, Ts90b, TZZ+16, VPS01, WBS+88].

Application-aware [KCW+09]. application-driven [KSO2a]. Application-level [BMP+04b, HANR12, HDT+13].

Application-specific [CDY+17, LS12b, MIPV89, PP92, WBS+88]. Application-transparent [AW17].

Applications [Ful91a, HJrCH16, HTM+05, MAHK16, MEB15, NWB+15, BP04, BFPG06, BFP07, BMWB00, BH91, BDMF10, CGS09, CS11a, CG92, Cop78, CLR03, CDA14, CHKM93, ELN89, FF73, FURM00, Fra83, GH76, HKD+13, HCW+10, HB90, HKA+91, JSM12, JSMP13, JB97, Kar95, KTC00, LCB+98, LWR+10, LHFL87, LS96, LZ93, MJW11, MLCW11, Mad94a, MS13c, MT02, MBS+04, MM14a, NNN+91, NKRL06, OC78, Par75, PGTM99, QMT89, RBH+03, SJLM14, SRSW14, SKE+12, ST03, SK04, SA91, SWG92, TJo1, TMV+11, Tem12, TSN+86, VIA+05, VE08, VG1N05, VM88, VGK+10, YYX+07, kSYHX+11, Yue84, ZT95, HAO4].

applicative [SK83]. applied [Arm74].

Applying [SGB00, VTSL12, MT02]. Approach [CL04, HS16, IMMC08, Let92, MZLH15, PG04, SZBP08, YT04, ASP+99, BK11, BBFP06, BS08, BRGHS9, Bhi87a, CLL01, CGL+08, CGT+14, Che87, Con88, Con90a, DFF+13, DZ09, EGK+85, FF+92, FFK+82, Gai83, GWM03, Ho90, HY96, KWT13, KS07, KMC+93, Mar83b, MSA+00, MS76, OCL90, RC+12, RJKM14, SMB02, SBRP11, SSH+07, SCZM00, Tan83, WBM+03, WGO+13, YA90, ZSL10, Tab95, HAO4].

approaches [SH87]. ApproxDadoop [GBNN15]. Approximate [GSCM16, JSCM17, PAM+16, RSA+15, SLFP16, ESCB12, KPK90, MYP+16].


APRES [OKY+16]. April [Fos72a, IEE79, IEE82, IEE94, ALKK90].

Aquacore [ATV+07]. Aquarius [DSP+87].

Arbitrary [SA15, WJZ15, CWS+11, Dvo90, KIC+16]. arbitrated [PVAL95]. Arbitration [SKJ+17, KC82, MBS+02, TTMC12, MV88, WS07]. Arbor [IEE84]. Archipelago [LBZ08].

Architecting [LIMB90]. architects [SAR99]. Architectural [ADP+15, ALE90, BF87, BRC+05, BMA00, BCD89, CL09, CW02, CRW+15, CH87].
CMT00, CHKM93, DHR +15, FSC76, Gal80, GRD87, HvDlJL80, HLL +3, HH93, IAD +94, IHM89, Jou89, KMOA07, KKK +17, LGH92, LABR08, Mas96, MCC +06a, NaR07, Ozt15, PBR14, PCDL09, PBGM09, Ram88, RGG82, Ros96, Sat74, Sch73b, SG94, SL12, TML +00, Yue99a, ZYL05, ZQL +04, AD98, BMT00, CLL01, CMF +13, CMC +91, CMC +98, CS94, CFS +12, DLL +16, DF92, DS11, DBMZ08, EA97, Fre87, GKF84, GB87, Gra84, HO91, Har82, HM93, HS90, HSH96, mWH98, IMC +06, Jag80, Joh82, KC95, KMS +12, KHN07, LCS10a, MSI82, MW12, NEE12, NKQ13, NWD93, PL06, PGRT01, PZT02, RGP82, SYK10, SLLG05, Sta89, SPP07, TNNI87, VCK +12, WHG07, ZR14, dKNS10.

architecture-level [BTM00]. Architecture [ACM80, ACM89, ACM91, ACM93a, ACM95, ACM96, ACM97, ACM98a, ACM00, ACM01, ACM02a, ACM04, ACAAT16, ABZ07, BTRS05, BKS05, Bat80, Bat98b, Ben82, Bhu83, BTC06, CTHV +15, Chu77a, CBC05, CGL89, Col88, DCC +87, DCC +98, DDK +15, ESCB12, FR89, FXZ +17, FKMD83, GSS00, HMT86, HCJC06, HTM +05, HYHD95, IEE76, IEE77, IEE79, IEE81, IEE82, IEE83, IEE84, IEE85, IEE86, IEE87, IEE88, IEE90, IEE92, IEE94, IEE99, IEE03, IEE05, IEE06, JLF15, KK84, KN07, Kin75, KBIH +04, KOA05, LMK +05, LWB08, LJdl +16, LLV +06, LS73, MSA +15, MCK16, MCN +17, Mil77b, Moo85, Mnd96, MRH +16, PED +08, Pat06, PGH +83, PQNT16, Pou77, Ros73, SCU +14, SLG +05, SOM +08, Sin92a, SMHZ94, Tak88, TS05, TLM +04, Tho51, UBF +84, WJZ15, Whi78, XYR06, ZWM +14, APG07, AAM76, ALKK00, ABC +95, ABC +98, Aga98, AA82, ACC +03, ATV +07].

architecture [ASP +03, And90, ALBL91, ABL +80, AAG +86, AFNV90, AAG +98, AP76, Asl84, Afm93, ACM +98b, Aup80, AML +10, BGM +00, BGP +01, BFGP06, BFP07, Ber76, BB90, BC91, Bic84, BSD87, BSF +91, Bon13, Bou75, BC04, BC02, BR92b, Bur84, BAB88, CMF +13, Cal74, CDP82, CBK +14, CLVW93, CL94, CCE +09, CES +16, Che81, Che92, CLX +16, Chn77h, Cit03, CNO +87, CmWH91, CLS73, Cox79, Cra85, CC05, CRM91, DG90, DK85, Dal10, DKK07, Das83, Dav80b, DRC005, De 90, DCB +94, Den80, DM74, Den76, DM98, Den98, Den03, DJ09, DP80, DMB87a, DP98b, DP98a, DDP85, DK89, Dor75, Dv87b, Dow87, Dow88, Dr99, Dug83, Dvo90, EO98, Ega82, ED83, EAE +02, Est02, EE93, EEKS06, FD87, FB08, FB92, Feu76, FCP02, FF73, FR72, Fon03, Fos73, FeOBA05, Fra83, FHH +89, FAYA87]. architecture [FSS73, GAS16, GK78, Geh14, GK85, GSS12b, Gill3, GS12, GS74, Gol84, GtHL +85, GHKM11, GSS00, HG97, HR91, HW80, HF88, Har86, HCU10, Har73, HFWZ87, Hay77, HIJS00, HSW +00, HKN +92, Hir86, HLS05, HSC +90, HK90, HC85, HK77, HW95, Hu85, HKA +01, HG88, HC99, HP86, HP98, mWHP98, Ian88, Ino05, IBC12, IT84, ISKR86, JLZ09, JSL +13, JW82, JWB89, JB97, KHP +95, Kee79b, Keh76, KJ +09, KKC92, Kic87, KL03, KKK +16b, KL91, KPG98, Kno73, KSS +95, KSS91b, KACG88, KBC +00, KMT91, Lao03, Lap90, Lap91, Las89b, LMND76, LR93, LHH +16, LS12b, LWS75, LNEHR11, LSY +14, LL14, LTD +16, LH88, MK84, MPZ47, MPJ +00, Mar00, Mar85, MK12, MVCA97, May82, MC93, MSP +06, Mid82, MBS +04, MPS87, ME78, Mue12, Muk97, MS10, MPSIV89, MIT89, MSCS13, Nae85, NSMK11]. architecture [NNN +91, NOX +85, Nap86, NPA92, NKS86, OYK +16, PCL10, PMP06, PN88, PSB13, PC90, PC98b, PC98a, PJDL06, PIAS13, PT86, PGB7 +87, PDP +13, PSB10, QMT89, QFLMK10, RGD09, RYP06, RC80, RF90, REL00, Rie80, RAC99, Req83, RHS96, Rls76, Riv79, Rob78, Roc85, Ros06, Ros76, Rou86, SyYH +89, SNL +03, SCP80, SCP +82,
architecture [WWW +88, WG9b, Wei97, Wel76, WIPK09, Wl87, WJ85, Wul88, Wul92, YZ07b, YYX +07, YMHB00, YFPR07, Y186, ZRMH00, Zak73, ZA98, ZV03, ZCX +14, ZW14, ZHW16, vT89, Atk79, Buc78, Col90, Fos93a, Gor83, Lan76, Mi177a, Sch88, Tab96, Tan78, ADK +04, Bat98a, CH04, JD81, PT83, Tho81, WGH +97].

Architecture-Adaptive [MRH +16].

architecture-compiler [CBK +14].

Architecture-Level [SOM +08].

Architecture(R) [MBBS13].

Architectures [All92, BRUL05, BKSO05, CSBA17a, Cha92, CB17, KK92, KKK +17, KSL08, KSO08, KTR +04, LRC +08, Loh88, SLFG06, SM +06, AA11a, AA90, ABC97, ABS98, BA99, BHLB87, BCDL07, BCZ90, BHS91, BBM94, BD84, BK97, Cha90, ClM07, CFB2, CCB +06, Craz79, CGVT00, CJD89, DO82, Das83, DL87, DSBK04, Eij90, FKBS11, Fis83, Fis98a, Fis98b, FGVG13, FS9a0, FPC +97, FV82, GVV90, GTB389, GB38, GL98b, GTK +02, GMT89, GZRU13, GN89, GT13, GFNW86, Han78, H898, HL85, JH94, Joe90, Kar95, KB92, Kav81, KBB +82, KF79, KS99, KNP +07, KTS +13, KSC16, KMC +93, KL94, KMS +10, KBB89, KCE12, KNS86, KHC92, LZX +16, Lw76, LL88, LS12a, MLCW11, MST07, Mar83a, Mat90, Mei85, ML979, MPSIV89, Mus99a, NCLIO9, PT91, PPA +13, PSP +12, Psc74, PAR13, PAVT16, RTY +87, RGG82, RPG82].

architectures [RE12, SGG +85, SRWB14, Sh80, Sm82, Sm89a, Sm89c, SJ04, SV89, SJ92, SM93, SMQ90, SMJ +10, SAK01, TYSSK11, TH03, TE94, TK +02, TF79, Tie88, VFK +04, Wl87, WO14, ZGP09, ZSHG07, Mc08, L91].

Archival [BLC +16].

ArchRanker [CGT +14].

ArchShield [NKQ13].

Area [AMPH09, KS99, KSL08, SM +06, THNM14, AA11a, BC02, CS13a, Mar74, WSY95, WIPK09].

Area-efficiency [AMPH09].

Area-Effective [KSL08].

Area-Performance [SM +06].

Area-time [THNM14].

argument [Mat9a].

Ariadne [AGSY94].

Ariel [Fra90].

Ariadne-Partitioning [AGSY94].

Ariadne-Partitioning-Adaptive [AGSY94].

Ariadne-Partitioning-Adaptive-Compiler [AGSY94].

Ariadne-Partitioning-Adaptive-Level [AGSY94].

Ariadne-Partitioning(Adaptive) [AGSY94].

Arido [AGSY94].

Arista [AGSY94].
Arm74, BB74, CP98, GGP+13, HR00, HFF+91, Jou90, Jou98a, Jou98b, Mou98, PA73, SFS04, Sez93, WQL92, WHM02.

Associative/parallel [BTW77, AR80].

Assiciativity [QTP05, BS95, KJLH89].

Assumptions [ABD+15]. Assurance [AHC+16]. ASSURE [SLP+09].

Asymmetric [DHT15, MA15, CBGM12, CZS+16, GCN+10, JSMP13, KKMH11, SSR+13, SMQP09]. Asymmetry [BRUL05, TWB16, QFJL12].

Asymmetry-aware [TWB16].

AsyncClock [HNK+17]. Asynchronized [DGT15]. Asynchronous [FW82, HCL15, HNK+17, Nis91, VTGH17, BLS99, DR91, GSS05, GM90, HS80, Hlr86, IM02, MBL+89, Nae85]. Asynchronously [LL16].

Atlanta [IEE99]. Atlantic [Bra82b].

Atom [LDSC08]. Atom-Aid [LDSC08].

Atomic [BNZ08, IKK16, KKS+08, SKB+17, AT11, ADT13]. Atomicity [AM06, LDC08, BNS11, LTQZ06, LCS10a, NRS+07, NDZ10, PLZ09]. attack [CLR05, LWH+16]. Attacks [AYY+16, CZG+15, MMT16, CS13b, Ino05, KOAGP12, MDs12a, MMJ05, WL07]. attributes [Avi83, VBE92]. attributing [ZMMT16]. ATUM [ASH86, SAA8b].

augmentation [Tho12a]. Augmented [MS82, DSN07, KTO+12, MS80].

Augmenting [TM11]. Austin [IEE82].

Australia [IEE92]. Authenticity [YEP+06]. Author [Ano04a, Ano05a, Ano06a, Ano08a].

authors [Ano82]. Automated [BS73, KS07, LWPG17, SDWF13, SC01, XLWZ15, DZ09, SCGA13, TS90a].

Automatic [AK17, BA06, Ch77, CM00, FFN11, HBTL11, KDA12, KDP+16, LSFK08, MVB15, Qui84, SDLR+15, CBK+14, EG97, Fen84, GKT13, MSZ09, OKJ+13, SLP+09].

Automatically [LLL+17, SPHC02, Bur06, RR04, SW87, WAA+14]. automation [NK86]. automaton [SJ16, TLLL07].

automization [Mat78]. automotive [RBH+03]. automatic [Che05, JCSK14].

autonomous [HGC10]. auxiliary [NNS+90, SD10]. availability [ARJS07, SBM02, SMHW02]. Available [Ber91c, JW89, TMC+06, ZYMS15]. avenues [RKB+09]. AVF [SK10]. AVIO [LTQZ06]. avionics [And73, KM74, Sat74].

Avoid [Mud96, BLS99, HC03]. avoidance [Kun88, LC13].

Avoiding [LBL02, UVG14, GSI10, LCS10a]. Aware [BLI17, CMR+06, GNO+04, HCL15, HABZ17, KSCK17, LSL+17, LCCZ17, MM08, ORS+04, PR05, QLMPO6, SABR04, TT08, CZS+16, DK13, DK14, ELMP11, FeOBA05, HFIJ11, HSC+11, JNAs+12, JKN+13, KCW+09, KKD13, LFZE00, RLS10, SLcC12, SSH+03, SCN+10, TWB16, WRSY16, Won16, LJVM12].

Awareness [CYMT16, RAM+04, BK05, HK09]. away [HLS05].

AxGames [PAM+16]. Axiom [Mue12].

AXP [CB94b]. Azure [Dav14].


B5000 [May82]. Back [JL16, ECX+11].

backed [LWH+16, SCA09].

backend [Cop78, OC78]. backoff [AC89]. backplane [AKB+89]. backpropagation [Kha97a].

backs [ZNF+16]. backup [WGS+14].

backward [ZS00]. Bad [SDB+15, CS13b, Irw10]. BadgerTrap [GBHS14]. baked [Chr76].

Balance [HS90, PJJ07a]. Balanced [Zha06, CKZ12, DZC+13, Kun86, SDGT03].

Balancing [TLD14, BM01, CT08, JW97, LS96, QHS+13, SLQK12]. band [OT86].

band-limited [OT86]. Bandwidth [HIT05, PGS04, AZK06, AS96, BSR06, BGK96, CHZ+14, DJ09, DSH+94, FPF+92, GM98, HJ87, HCV03, JVF13, KC96, LCC06, MVCA97, RBIV07, RKB+09, SLQK12].
broadcast-free [EHA03]. broadcasting [FM84, KR85a]. Browser [PVB17].

browsing [LRS+12, ZR14]. Browsix [PVB17]. Bruijn [SP85a]. Bryant [Fos93b].

BSD [Mad94a]. BTB [BM09c]. bubble [Ria80, YBM13]. Bubble-Flux [YBM13].

Bubbles [Cha78a]. Budget [WM16].

Buffer [CBRJ12, TIVL05, AK85, BRGH89, BM09c, FB92, Ino05, JADAD06, OSKA14, PBC+13, PN77, SK04, SWC+95, Tic88, ZSHG07].


Build [BNZ08, BNE16, CS09, DHR+90, SRSW14, WY05]. Building [DLB80, LZX+17, OCCK03, SCU+14, ARJS07, BG80, Coo73, FB92, ICN+10, MGBK96, POU77, SFV+04, ZLZZ09]. Bulk [CTTC06, CTMT07]. BulkSC [CTMT07].

Burroughs [May82]. bus [Aic92, Bra80a, BKB90, CHK+12, EK99a, FP91a, GH90, GCLM85, HS80, HJL89, JS88, KMS8, KC82, NS86, PH88, SA92, TE93, VI94, VB805, VMS8, WM88, ZPP04].

bus-based [TE93]. buses [HDP+90].

business [Dic81]. Butterfly [GVC+10, KDA07]. BVM [Wag83].

BWAMEM [HSBA16]. Bypass [GCS11, GL11]. bypassing [AB92].

Bytecode [OKN02, EKEL01, MW98].

C [All92, Ano99, Fos93b, Fos72a, Ful91a, McG78, Vrh78, BD93b, CGB89, CRW+15, CDG+17, DBM08, DM82, DMB87b, Hill83, Won07]. C-21 [Fos72a]. C-240 [BD93b]. C. [Sch91a]. C.mmp [Ful76]. CA [ACM93a]. Cache [AW04, AKCB86, CH01, CC87, Hai84a, Hai84b, HIT05, JW97, Jou93, KHM01, KTG+17, Lin81, LLN+17, MGR12, McF92, MBS16, PH90, QLM06, SDBP08, Smi85, SZG88, SSZ05, Str76, Tab95, TD91, WGA+08, WSC92, Zha06, AAVH91, ASHH88, ASHH98, AWC+11, AZ05, AOP06, AB84, AS14, ATT+13, APS95, AK00, BJ14, BW88, BW98a, BW98b, BD93a, BCZ90, BVGL00, BJ03, BD86, BRS99, BC04, BR87a, BKB90, CG95a, CKA91, CV88, CS06b, CY96, CMB+13, CF03, DDS94, Dab95, DB07, Dev90, Dev93, DM82, DB82, EK89b, EK89a, EP88, EE93, Fon03, FP91c, GAS16, GH90, Goo88a, Goo83, GH86, GW88, GVW89, Goo99a, Goo98b, GMT98, HG97, HK00, HK+16, Hen98, Hig90, HS84, HIM+05, HC99, HCS9, Ino05, IS92, JEL16, JTL01, JN8a+12, JVF13, JS99, Joh89, JnWH97].

cache [JADAD06, Jou90, Jou98a, Jou98b, JLN96, JB97, KS14, KEW+85, KHP+95, KR13, Kha97a, Kha97c, KD06, KS99, KBK02, Kro99a, Kro99b, KAD904, KKF13, KKP14, LW91, LAS88a, LAS88b, LAS91, LKL+02, LLY87, LLLP94, LBCG95, LS1a2a, LLG+90, LS92, MPT91, MAD11, Mat91a, MPS94, Mic92, MC91, MB91, M998, NG09, NO94, NRK05, OKY+16, OMB91, OMB92, OA89, PK94, PP98, PEP98, Pat98a, PGH+83, PH88, PT10, PHH88, PHH89, PEB+09, RB900, RC91, RSP06, RBIV07, RF96, RSG93, R84, SK11, SD87, SHBS14, SHZ97, SSKP+07, SLQK12, SH91, SA88b, SG83, Smi86, So94, SHV+98, Ste89a, Ste89b, SJQ92, SBS93, SDD+10, SSS6, TK07, TIE93, TUTF+94, VLF88, WBL89, WL07, WGF9a, WAC+10, WIL87, WOR96, WEG+86, WK89, WLZ+09, XT96, YY07a, YY92, YPD83, Yue99a, Zan03].

cache [YZZ00, ZVN03, ZSKD13, Ill87, QT05, Smi91, Quo94]. cache-based [MC91, PH88, PEB+09, SD87, WL07].
cache-coherent [BD93a, GW88, GVW89, JS99, SHV’98, SJC92]. cache-consistency [VLZ88], cache-filtered [RF96]. cache/bus capability [W87]. cacheability [Bri87b]. cached [HS93, MPS89, McC93]. Caches [KRM08, O’H16, TIVL05, Zha06, AP93, BFG+07, BK96a, BK96b, CZS+16, CSB86, CBS88, CP98, CJ88, CRG+11, DL92, DSN07, FaRP89, FKM+02, FKC+06, GCS11, Goo87, Goo88b, HFA09, Irw10, JVF13, KBK02, KKT05, KW98, McF89, MDS+11, MB07, NRK05, NKRL06, NLS07, Nik09, PPZ96, RA00, SFS04, Sez93, SL94, SL88, SLS05, SK08, SV92, VJ95, WQL92, WSY95, WO97, XL09, YE09, ZYGP09].


Chameleon [PS12]. Change [WJZ15, ZJZX14, Lar11, LIMB09, QSR09, QFLMK10, QFJL12, SWL10, SYL13, ZYZ09]. Channel [WM04, Da90, DMWS12, Dn83, Isa74, Las87, MDS12a, SKA+11, WL07]. channel-to-channel [Isa74]. channels [Dow91, KPKJ07, SSJ+16]. Chaos [KG91b, GKZ+07, KS91a]. character [Con90a, Hea76, Vin77].
character-oriented [Hea76].
Characteristics [PHH89, AE01, HO91, LCB+98, LPSZ08, NI85, OKY+16].
Characterization
[BCG+08, CB94b, YRK07, ABR01, RB08, BM04, EK88, EC84, EC98a, HGS+07, KPH+98, NSI94, SiB07, WOT+95, EC98b].
Characterizing
[MMAR10, UMK05, MTPT12, SPHC02].
charge [ZYZ14]. Charles [Par90].
charting [OT73]. CHDL [Su75]. Cheap [CL87, PGVB04, FGAM10].
check [CCEH00, KKN00]. Checking
[BKL+16, BNE16, HABZ17, MCM16, AHK08, BNS11, SIG89, SIH87]. Checkpoint
[HP87, SMHW02]. checkpoint/recovery
[SMHW02]. checkpointing
[AGT11, BMP+04b, DP12]. checkpoints
[KRS13]. checks [HiI81, NPCF08]. CHERI
[CDG+17, WWC+14]. Cheriton [Goo88b].
chess [EP84]. Chicago [IEE94].
Chichester [Ber91a]. chii [Mid82].
CHIMAERA [YMHB00]. Chimera
[PPM15]. Chinese [Gao93]. Chip
[ACAAT16, CS06a, CMR+06, JPL08, JKT05, KNT99, KDOA08, KSL08, KKS+08, LA08, LNR+06, MWM04, PED+08, SSZ05, SOSD05, TTO8, TKJ07, VIA+08, ZA05, AA11a, BT13, BOSL, BGM+09a, BM10, CHX+11, CJK+05, CHZ+14, CS+05, CJS88, DMM10, DNSD13, DRCO05, DF10, DCS+14, DVT12, Dn03, DJPK16, DSN07, EP88, FB08, FARP89, FTP94, FKMD83, FH82, GSVP03, GHKM11, HGC10, HS84, HS10, HGS+07, IKKM07, JW94, KKO8, KDS+06, KBB02, KNP+07, KKM10, KMS+10, KMS+12, KFN02, KNS07b, KHN07, KADS04, LAS+07, MJW11, MDS+11, MVD11, MPSV06, MM09, NUM94, OPZ11, PFK+09, Sth+89, SP84, SGC+05, SLQQK12, SKI08, TGGS14, TEL95, TEL98a, TEL98b, VS92, VT14, WSY95, WMW09, WGO+13, W097, XYM12, XGC+10, Zah03].
chip-multiprocessor [DSN07, Zah03].
ChipLock [KF05]. chips
[Bha97, FKB0, HQW+10, MAS+06]. Chisel
[HCJC06]. choice [SmI85, TEE+96].
choices [BAC+98]. choose [KWF08].
chromodynamics [TGP10]. Chu [MII77a].
Cider [AHA+14]. Circuit [IWPK08, JPL08, NNIS16, AML+10, DGY89, DS85, HJ11, KKK+16a, LN07, LIW84, MS13a].
Circuits
[HKLS00, RBOS07]. CIS
[BCC91, Bha97, Jon88a]. CISCs [BCDN87].
CITCAT [RF96]. class
[BA82, DG92, Fec74, GSKF03, KDJ83, SGB00, SC89, SH80, SS86, VS92, ZELV02].
classic [Bar82]. Classification
[DM06, KHCMI91, MBS16, SG+85, K99, Ros77a, TZ+13, VFCM13]. classifier
[HT10]. clause [WW89]. clauses [Chi89].
Clearing [FAK+12]. Clearwater [IEE76].
Client [Mad94a, CSBA17b]. Client-Server
[Mad94a]. clients [CDL13]. Cliffs
[Ber91b, Fer88]. Climbing [CV06]. Clock
[AHKB00, Dav80b, ORS+04, DFS+90, MBB+03, PP88, WJC04]. clock-regulated
[PP88]. clocked [FW82]. Clos [SDK06].
close [YCT05]. Closely [Nae85]. closing
[GOA+00, VV14a]. Cloud [Che17, DK16, DKS7, KH+17, LLL+17, YJX+16, Dav14, GC11, KSR10, LAR11, LLL14, MMR+13].
cloudlets [KLS+11]. Clouds [KZVT17, OSK15, FAK+12, MKGT16, ZW14].
CloudSeeer [YJX+16]. Club [VSH91]. clues
[YMX+10]. cluster [BJ03, DK14, LZ93, MVC97, SKS+13, VSM+07b]. clustered
[BD03, BMP04a, BJ03, KZ00]. Clustering
[GVY90, LSL+17, ZGC13].Clusters
[GAAD+05, HJc14H, HL15, SXH16, ACRV12, CGS09, E098, LQL12, SB111, TTRP10, YK01]. CM
[KC95, S+93].
CM-5 [KC95, S+93]. CMIP [Mad94b].
CMOS [CCS87, LN07, WW12, Wl05].
CMP [APG07, AMPH09, CWS06, GPV04, GZK+07, RKB+09, SRJ+05, SSK+07].
CMPs [AKJ+09, AK16, CAD09, CPV05]
GW10, HIM+05, JSMP13, MDS+11, MVD11, SQP08, SLSN14, YL16. CNNs [RHR+17]. Cnvlutin [AJH+16]. Co [AVN+16, HS06, KSCK17, McG78, Vra78, AMP09, BKAB03, CBK+14, GSM+99, KC02, LGM+14, Ano04c]. co-adaptive [BKAB03]. Co-Chair [Ano04c]. Co-Design [AVN+16, KSCK17, CBK+14, KC02].

Co-Designed [HS06, LGM+14]. co-optimization [AMP09]. co/processor [GSM+99]. Coarse [CLS05, Mos05, GTA06, KTO+12, LS12b, PCL10]. Coarse-Grain [CLS05, LS12b]. coarse-grained [GTA06, KTO+12, PCL10]. Coast [IEE92]. COATCheck [LSMB16]. Code [BD91, BNE16, MRH+16, RBB+01, WHZ+17, Ams83, AR89, BCG99, BEH91a, Bra82a, CCEH00, Cra79, HM05, HC88, KOAGP12, Kha99a, KBD+13, KMT91, LYS07, Lar82, LCED01, LSFK08, MPP+08, Mid82, MMJ05, RP99, RGG82, RGP82, RCC05, RVLS14, RA90, SYP+14, Ste89a, TACT08, UNM+95, VM97, VE08, VBYN+14, WY05, ZA98]. code-centric [VBYN+14]. code-splitting [Ams83].

coder [BBFP06]. Codes [PM92, AR80, AWC+11, Che84a, Gum83, Lip77a, PT03, WAC+10, Wi88, XT96]. Coding [Rym82, NMTH10, SM14].

CODOMs [VBYN+14]. Cogent [AHC+16].

Cognitive [Ban15, HMT86]. Coherence [CLS05, CMR+06, HWC+04, HCBS04, MNL97, Mos05, OHW17, AHH91, ASH88, ASH98, AB84, BDH+99, CKA91, CV88, CY96, CRG+11, DCS+14, HCW+04, Hen98, KR13, KKD13, LW95, LLG+90, LWZ14, LS92, MHW03, MPS89, MH98, OA89, PP84, PP98, Pat98a, SHZ97, SH91, SBS93, TD01, VV14a, VV14b, ZSKD13].

'Coherency [Goo88b, CBS88, Goo87, CF93, DB82, EK88, EK98b, Mat91a, Mic92].


Collection [Hib80, CHV04, FKC+06, HHA83, JMP09, KTK12, RP85, Rid87, TF01, WK90]. Collective [SXYH16]. Collector [GTS+15, WK08]. collectors [GTSS13].

Collision [HCJC06, WN14, HS80]. Collision-free [HCJC06, HS80].

collocation [Chr90]. Colorado [ACM97]. colored [ES74]. coloring [AK00].

ColorSafe [LCS10a]. Columbia [ACM00].

Column [AP93, CP98, GeC84].

Column-associative [AP93, CP98].

COMA [FW97, FFdDH00, JH94, MGBK96, SJ92].

COMA-BC [FFdDH00]. COMAs [QD98].

combination [MP91, Ria80].

combinational [MS13a]. Combinatorial [SLTB+06, Th03e, WLY84].

Combined [DDS94, KC96, UZU00]. Combining [BZ87, CG91, GRH96, Gum83, JHK+16, KW84, UMB+11, ACM02b, MGH+96, OCF00].

concurrent [RRV09]. Come [SGS08, VM88].

Comer [Mad94a]. comes [Lor90].

Comics [Wak81].

Coming [Mil87].

Comment [Woo86, HK90, WO86].

Comments [

AF73, CBS88, CS80a, Goo88b, Woo86].

Commercial [Rat85, AR89, BGB98, DLMN09, EJK+96, GAG88, Kav81, LC96, RO93, Tab10].


Committees [Ano04b, Ano05b].

Commodity [GAAD+05, SP+16, ZLJ16, ARJS07, COH+12, CGL+08, NPCF08, SFV+04, TASS09, UMB+12]. common [BDLM07, TKG+02].

Communication [ACAAT16, CPV05, HPJ+15, MDR+00, OA08, SXYH16, YMM15, AD98, AA82, AAZ89, APR89, BDA03, BVR+00, BR92a,
BCC⁺90, BCD89, CHKM93, Dow91, EO98, Ebe92, EST89, FH76, FR87, GTBJ89, GTK⁺92, GS80, Hic76, Hof80, HHSI93, Jai82, Joh92, KBS84, KN⁺07, Kun88, LMND76, LR77, MVC97, MS80, MFHW96, NS74, OQ91, OT86, PNB83, PA88, RSV87, SHI92, SA91, SG95, Thu78, WWA01, ZCSM92, ZBJ⁺92, vECSG98, vECGS98, vECGS98, uAM16.

communication-exposed [GTK⁺02].
communication-parallelism [BDA03].
communications [JMY89, KC82, TF88].
community [CmWH91].
Commutativity [AC09]. compact [KDS⁺06, RP99, SM14].
compaction [RE12, VSW⁺13, WK08].
compaction-adequacy [BDA03].
Company [Fos93a, Mad94b, Mil77b, Su74].
Compaq [CK00].
Comparative [GHG⁺91, SJG92, MSB⁺02, Wah83, YGS95].
Comparing [HCC89, LL88, LAS⁺90, BC91, Jon88].
Comparison [AAHV91, KB92, KKS⁺95, MM92, ZH16, AA06, AAD90, BCG99, BC93, CS80b, CJD99, ER92, Fu76, GL98b, HANN96, KDSO12, KC95, Kl94, Lai92, LS77, Lar82, MHH⁺95, Mal80, YP93].
Comparisons [LJF⁺16]. COMPASS [WL10]. compatibility [EA97, OIA⁺13].
Compatible [Bhu83, MM14b, LBH12, SS86]. compelling [SK85]. compensation [MS07]. competing [TS90a]. competition [YL16].
Compilation [TB94, BGP⁺01, CCEH00, DZZ⁺14, EA97, GA01, HCD⁺94, HFJ11, HSS94, TMW⁺13, WS87].
Compile [MPS94, GWM03, KD92, Mu88].
compile-time [GWM03, Mu89]. compiled [Las89a]. Compiler [CY96, FH82, GGV90, HPJ⁺15, HA90, NBW⁺15, RSEW04, TY90, ZCSM02, ACK⁺95, BLAA99, BAD⁺10, CBK⁺14, CSW94, CGL89, CNØ⁺87, CHCum90, CBC⁺08, CSS⁺91, FTMM99, GTK⁺02, HC88, HC95, KY02, KP96, Lal73, Sas91, Lee72, LYK⁺00, LS92, SC90, SDH⁺14, SAR99, TL00, UZU00, WLG⁺14, Wie82, ZRMH90, HMJK05, RGP82].
compiler-controlled [CSS⁺91].
Compiler-directed [GGV90, CHCum90, LS92].
compiler-flag [CSW94].
compiler-managed [BLAA99, WLG⁺14].
Compilers [HS16, HAR82]. Compiling [BSUH87]. complement [CHR90].
complementary [YLHL10]. Complete [TMW⁺09, DWS⁺12]. Complementing [Joh88].
Completion [RBS00, HR90]. completion/silent [HR90]. complex [NA83].
Complexity [FJ94, PS97, PGS04, TP08, ASP⁺03, DV87a, DZZ⁺14, Har73, KR85b, SIA01].
Complexity-Effective [PJS04, PS97, SIA01]. Complexity/performance [FJ94]. component [Nak01].
components [EEK56, MII56, YS95].
composing [CSW94].
Computation [BFA⁺15, CWS06, CH77, HPJ⁺15, Iva91, LMF⁺16, LHM⁺15, LNN⁺17, Mud80, OSF⁺15, SKN⁺15, SOD⁺14, BVCG04, CLX⁺16, CHCum90, DG90, Fis86, FKT⁺89, GTBJ89, GKB⁺13, GIS10, HW80, Kie87, MSH⁺07, MCC⁺06b, MS07, Nis91, OCS98, PB80, RS11, SWY10, SYH11, SH05, SYP⁺14, WAA⁺14, WCF01, Yue99a, vECSG98, vECGS98, vECGS98].
compression-communication [GTBJ89].
Computational [FZL6, RES⁺13, AIO⁺11, MSS14].
Computations [Bow79, VGM17, CH85,
computer-based [Sal76]. Computers
[Bot79, CYMT16, CYG+17, Dor75,
HLZ+15, HK90, IPWK06, KSO8, MSS+15,
Mud80, Wak81, AA86, AS92a, BT89, CT90,
Cra88, Don83, Don95, Don90, Don92,
EGK+85, EHA82, Feu84, GW73, GPF13,
HHL16, IS92, Kav81, KBD+13, Las87,
Las88b, Las89a, LHPL87, LV88, MT13,
NP90, Phi84, RFK88, Skl92b, Skl92a, Sta86,
Str76, SG95, TMW+13, Tho76, TS10,
Wra91, YBMT13]. Computing
[All92, Ban15, Bar11, Ber91c, BRC+05,
LRC+08, NLV86, NY14, PAM+16, RLD+17,
SCU+14, Teo90, TMC+06, Wil16, ZAI+16,
AJH+16, Cha90, Che81, Che05, EEKS06,
GB01, GIS10, GNP+13, Hal87, HF88,
HSC+11, HBI13, JOW+02, KFW08, Kin83,
KFN02, LS77, LK+10, Lip88, Lor90, LH88,
MS12, Nik89, PCD10, PM11, PCH88,
PFB+09, QHS+13, Rout, SKS+13,
SC+12, SA87, SKA01, TA76, TZZ+16,
ZJG+11, vT88, KRM83, PS98a, YPD98.

ConAir [ZdKL+13]. concept
[GB01, GIS10, GNP+13, Hal87, HF88,
HSC+11, HBI13, JOW+02, KFW08, Kin83,
KFN02, LS77, LK+10, Lip88, Lor90, LH88,
MS12, Nik89, PCD10, PM11, PCH88,
PFB+09, QHS+13, Rout, SKS+13,
SC+12, SA87, SKA01, TA76, TZZ+16,
ZJG+11, vT88, KRM83, PS98a, YPD98.

Concurrent
[ABB+15, CJ01, DGT15, LLLG16, LLL+17,
CS+12, DJ99, GZC11, HHS13, LYBC88,
LPSZ08, PTG13, Tab10, VTSL12, WZJ10,
ZSL10, ZLO+11, ZdKL+13].

Concurrent
[CSBA17a, DGT15, FAH83, Lan90b, Tak88,
Whi78, ALE90, AA89, GNP+13, Hal87,
HSC+11, HBI13, JOW+02, KFW08, Kin83,
KFN02, LS77, LK+10, Lip88, Lor90, LH88,
MS12, Nik89, PCD10, PM11, PCH88,
PFB+09, QHS+13, Rout, SKS+13,
SC+12, SA87, SKA01, TA76, TZZ+16,
ZJG+11, vT88, KRM83, PS98a, YPD98.

condition [Wil88]. Conditional
[SDL+15, vPPR06, AS91a, Hum96,
Lan91, MSU97, SFK02, SFS00, ULM98].

conditionally [TLD14]. Conery [Bit89].
Conference [IEE83, IEE87, IEE88, Mar88,
ACM97, IEE84, IEE85, ACM80, IEE76,
IEE77, IEE79, IEE81, IEE82, IEE86, Kin75].

conferences [Cit03, Pat91]. Confidence [GKMP98]. configurability [ZW14].

Configurable [ARJS07, ACF05, DDY95, PKB+16, WJ15, WJGA12, CSJC10, ELMP10, SRJ+05, ZVN03, ZHW16].

configuration [Adl73, DS02, FJB85, FeOBA05, IT93, Oya89, SBRP11].

configurations [JSL95, KMC02]. Confined [VTGH17]. confirmation [Lit94].

Conflict [LCS+10b, Zha06, HK89c, LNGR12, MSU97, QST14, VLL+92]. conflict-free [HL89, HK89c, VLL+92].

conflicts [BC90b, HKK80, LLCP94, PBC+13, Wei89].

conferring [BKL+16, HWC+04, HVML04, MS05, BRG89, CTMT07, DNB+11, GLL+90, GGH91, GLL+98, Gha98, HCC+04, HS13, HT14a, KEW+85, KCM92, LHH91, LNR12, NCLJ09, QTSQ13, QSQ14, RLS10, SNM+12, Ste89b, SS86, VLZ87, ZB92].

consistent [DKCZ93, HX97]. console [Pay78]. Consolidated [HJR+CH16, GL11].

consolidation [LL14, MH07]. Constant [NNIS16, HW95, PSB13]. constants [VPS01].

constrained [CG92, GW10, UMC+10, WMW09, YN09]. Constraint [STND+13]. Constraints [MZLH15, FBH02, Tri80]. Constructing...
OC78, PMPM96, Pal80, PSP+12, PMZ+10, Pri91, PT03, RL74a, RRT+08, Ros77a, RS99, RVD07, SJLM14, SK86, SSJ+16, Sha80, SHNS86, SEI+95, SF91, SY89, SC1+10, ST08, TA83, Ta87, TK07, TY90, TP06, TBC94, TJS83, VS92, WE74, WDC+13, WS90, WL10, WCG14, WBRK13, WD1+16, XBH03, YTY83, Yoko94, YW89, ZYG00, Kro83, SHBS14./data-control [PMPM96]. data-driven [GLH88, YTY83]. Dataflow [BS06, CCV+09, DM74, DM98, Gau85, TJS83]. data-intensive [BHG85, TJS83]. data-races [LCS+10b].
data-reconstruction [Yok94]. data-similar [BFS+09]. Database [MM14b, Pra82, BH78, Bra77, Cha78a, Hak85, HK77, KMI+85, LR93, LBE+98, SCRT78, WLP+14]. Datacenter [Bia17, LLGL16, AMW+10, BTS+11, MKGT16, MNL+12, PCC+14, SA10, TMV+11].
datacenter-scale [BTS+11]. Datacenters [BL+17, GNB15, DK13, GKL+13, GSU11, GWSU12, WRS13, WGS+14]. Dataflow [Hu85, SPM+06, YSY+90, BBJ+08, Bic84, Bur82, CES16, CAS8, GB87, GTB89, GPF13, GVC+10, GHHS9, HG86, HPF86, HG88, Ian88, Kap87, KHP+95, LS12b, MFP+06, NMB92, Nis89, PT91, PM11, Roc85, SyYH+89, SK86, SKS+92, SA87, TFWS03]. dataflow-based [TFWS03]. dataflow/von [Ian88].
Dead-block [LFF01]. dead-instruction [BS02]. Deadlock [Kun88, LN91, AP95, KCW+09, KKK76]. Deadlock-free [LN91, KCW+09, KKK76]. deadlocks [PW97]. DeAliaser [ADT13]. dealing [BFGP06, BFP07]. Debug [EW16, FGVG13, PT03]. debuggable [MST82]. Debugger [CHLS16]. debuggers [AR83]. Debugging [NPC05, RSA+15, ZQL+04, AGS89, CL87, DZ09, DP12, HT14b, Joh82, KP05, LCS10a, Sch73b, VNN13]. Debunking [LKC+10].
Decade [Bar11, Woo14]. decay [KHM01]. December [LS73]. Decentralized [NS74, HW80, LG04, Lsm85, RS84].
decimal [Ris76]. decision [ASP+99]. declarative [SBRP11, WWW+88]. Declustered [ABSC98]. declustering [ABC97]. decode [KL02]. decoded [IS92]. decomposed [KNP+07]. Decomposition [WJZ15, VGSS85]. Deconfigurable [FGVG13]. Deconstructing [DBP+04, GAAD+05]. Decoupled [BS04, GRH06, HR09, RPW96, Sez94, SJS08, Smi82, Smi98a, WDDW10, ZLLZ09, APX12, CP11, GtHL+85, KHC92, SKA01, TJ01, WKKJ12, Smi98c].
Decoupling [CYL99, HHL16, JSAM10, LZC+17]. HCBS04, KCE12, MHW03, OSKA14]. dedicated [Sch83, SC92]. Deep [HABZ17, RLD+17, AJH+16, HLM+16, MW12, RWA+16, VBS05]. deeper [SC02].
Definition [Dik90, AH90, AH98a, AH98b, Lee73]. definitional [KBS84]. definitions [Fra83].
defragmenter [PSP+12]. degradation [DI90]. degraded [TLD14]. Degrading [KNP06, CSSP87, ZS00]. degrees...
[EE14, Kha99d]. DejaVu [VNM+12]. Delay [TLM+04, VC04, ZA05, DM96, DM87, HRDA85, KBK02]. delayed [PHH16a, PHH16b]. delays [HBJ+02, PD76, PD98, Pat98b]. Delft [FR87, Rui86]. delinquent [CWT+01]. delivery [KD06, RAC99]. DeLorean [MCT08]. delta [AS92a, TXZ09]. Demand [GMF+11, KKJ+13, MSS+15, QTP05, GK09, NLP14]. Demand-based [KKJ+13, GKC09]. Demand-driven [GMF+11]. demonstrating [DCS+14]. Demultiplexing [BS06]. DeNovoND [SKA13]. DeNovoSync [SA15]. Dense [RLIC06, WJZ015, Rui90]. densities [GM84]. Density [GSCM16, GPV04, GCG+14, KKC+16b, MHhK+13, Ste09a, Wan01]. Denver [ACM97]. departments [Slo73]. Dependable [SLFG06, Par88b]. Dependence [GRH06, HNP15, RKB08, APD01, CE98, RBR02, SAS90]. Dependences [CASM06, MBVS97]. dependencies [JLV13, NPC06, RVD07]. dependency [AS92b]. Dependent [YT04, Dev93, HKE+16, HY85, Yue81]. depth [EWN05, HP02, HBJ+02, YMST07]. derivation [MSZ09]. derivative [Ann91]. Deriving [HS73, RB04]. describe [OT73]. describing [EG97, Wak80]. Description [SC98, Das93, JS73, MSSZ76, Su75, Van81, WP87]. descriptions [Hen06]. descriptor [BB74, Wei76]. descriptor-based [BB74]. descriptors [LLC06]. Design [Alv93, AOM+14, AVN+16, BBK76, BAC+08, BD84, CYH+11, CJZ99, DMB87b, DR91, EBS+04, Fer88, FK80, FTG88, GMT89, JD88, JKT05, KHT09, KHP+05, KY02, KMS6, KM74, KR85b, LNR+06, LIW82, LCL+16, MS13a, McL90, NUS+93, NKH+85, PA73, RL76, RCV+05, RYF+13, Rui66, SFPK02, SOSD05, TAV10, Tab95, TAM+08, TIVL05, TKJ07, VHL73, Woo86, ZWSM15, ZAI+16, AWC+11, ALBL91, Ano81, AKB+89, AMPH09, AML+10, BS73, BA74, BF03, BVR+00, Bhu83, BDJ+11, Bou75, Bra82a, Bra82b, BKB90, BM09c, Bur82, CBK+14, CCS87, CGT+14, CZ14, CY96, CH85, Cra85, CR94, DN14, Das77, DO82, DPB77, EP84, EK80, EE10a, FW97, FCJ97, FSS+09, FL76, FSS87, Gai83, GRB+08, GP76, GSSV00, GB83, HG97, HRR0, HAOS86, HS73, HS90, HY85, HRDA85, HIM+05, HNS77, HS85c]. design [HSS12, IMC+06, Isa74, IT84, JYZ14, Joe90, JW97, Jon82, Jon89, JOW+02, KS07, KC02, KSCK17, Lan77, LGH92, LYL87, LRS+08, LR77, MSA91, Mar83b, Mck74, MD88, Mi82, Mi87, MSSZ76, MKR02, MB07, NK86, NMS+00, NO94, NO96, OT86, Oya89, Pay78, PP83, Psp74, Ph84, PPH88, RBR02, RCL73, Ran85, RHZC74, Rod85, SYH11, Sav85, Sch89, SRW84, SC01, Slo74, SS85, SV89, SV74, TA67, TTTT10, Tur79, UMC+10, VT14, VFK+04, VE14, WL+14, WS74, WF87, Woo85, WO86, WLP+14, YY92, YKD01, ZRMH00, ZYG00, Hol83, Su74, TA83]. design-oriented [Slo74]. Designed [HS06, LGM+14]. Designing [BF90, HW87, LRC+08, SNGN00, Tri80, WO97, Asl84, CMR+12, DSOF11, GSS12a, GGK+82, GGK+98, GRD87, LMS+13, MST07, PHB14]. Designs [TMC+06, BJK+13, CWS+11, GCG+14, Lai92, OCF00, SWC+95, WL07]. desktop [BDFM10, FURM00, LCB98]. desktops [Dow88b]. Destage [VJ95]. Destination [RF88, MHS+03]. destination-set [MHS+03]. Detailed [MKR02, ACC+03]. Detecting [AHMN91, LLL+17, LDS08, ZFC03, CF93, CWD+06, LITQ06, ZSL10, ZLO+11]. Detection [GV05, RCV+05, TS05, TP15, ZL16, ZJL17, AC05, BM06, BWWA05, BSO2, CG06, DMS+13, DSR+93, FAH83, Ger80, GMF+11, HC04, HHS13, Jai82, LS82, MC91, MSQ09, NSQ16, NSH+11, QTSQ13,
MPSV06, NSMK11, NY14, ON90, OAA09, OYK+16, PSC06, PSP+12. Efficient
[PT86, RP99, RGG92, Ria80, RL14, SB05, SK11, SYH11, Sch83, SSJ+16, SYL13, Sez86, SSAC13, SDP85, SA84, SDR11, SQP08, SKA13, TGP10, UMB+11, VF85, VLZ88, VE14, WW13, WIPK09, WBKR13, XJK+16, kSYHX+11, ZZY09, ZSHG07]. Efficiently
[IMC+06, KDL+16, MCT08, SW16, BCS91, KJS+06, LS12a, SGB00, TZZ+16, Wil91, ZZP04]. Effort
[MPI+12, DCW+11]. EGA
[GW+03]. EGPA
[HKK+08]. EIE
[HLM+16]. eigenvalues
[MDSO11]. Elastic
[HGC10, PTG13]. Elasticity
[OSK15, ZL14]. Elastodynamics
[ZK90]. electrical
[Slo73]. electro
[FR87, LN92]. electro-optic
[FR87]. electro-optical
[LN92]. electromagnetic
[DSOF11]. electronics
[Mar94, Roc94]. elegant
[Um97]. element
[LW82, Nap86, Wil91]. elementary
[HKN+92]. elements
[MBL89, Ru90]. ELI
[Fis83, Fis98a, Fis98b, GAH+12]. ELI-512
[Fis83, Fis98b, Fis98a]. Eliminating
[APX14, WSM96, MGW09, MPT+12]. Elimination
[Cha92, BS02, DSR+93, EA02, KKK00, MK12, ZHG+11]. elliptic
[BGM04, MS13b, SH05]. ELLPACK
[HRC+90]. EM-3
[HTY83]. EM-4
[SKS+92]. EM-X
[KSS+95]. embarrassingly
[ZWS14]. Embedded
[CBC+05, Koa05, LNEHR11, ORS+04, PAD16, SST06, ABRO1, A105, BBFP06, BP04, BGM04, CKS16, FBF+00, KC02, KKC+16a, KW11, L6vH06, M5ST07, M5ar00, MA06, MBBS13, NKL06, OIA+13, PRP09, RTJ00, RRO04, SFS04, SDF13, SK04, TLL07, VPS01, ZVN03]. Embedded-Ring
[SST06]. Embedding
[BT89]. emergencies
[GWSU12, MPT+12, YLHL10]. Emerging
[BRUL05, LRC+08, SRI01, VSM+08, DKCZ93, Est02, FA+12, NK01, Tem12]. EMMA
[Str83]. EMMA-an
[Str83]. emphasis
[Th012a]. Empirical
[ACK+95, SS82, BAC+98, LC13, ON90, VSH91]. Employ
[MABYT15]. employing
[CWS06, GUK09, OWCL90, SLNS14]. emulating
[HvD+10]. emulation
[HCG+06, Kh99a, Las89a, NMS+00]. emulations
[Ros89]. emulators
[MMP+12]. Enable
[WGA+08, KDS+06, UMB+11]. Enabling
[JSJ+04, KDP02, MCGL17, TGC+14, WLZ+17, HR09, HEK+16, LHE+13, LSS04, LM99, RWA+16, SRE+07, SRWB14, VGK+10, XBH03, YCMR12]. encoded
[Lec74]. encoding
[BM06, God13, SSJ+16, ST79]. EncCore
[ZRZ+14]. Encrypted
[JSCM17]. Encryption
[YEP+06, YNQ15, CS11b, Ra84, RSP05]. End
[CCV+09, Enm06, HLL+15, SBRM09, SNM+12, AKHB00, EBS+11, KSL16, OS03, PM11, RAC99, Sm90, Wil95, Zac73]. end-point
[Wil95]. end-to-end
[HLZ+15, CCV+09, SBRM09, SNM+12, KSL16]. Energy
[AMW+10, ABR01, ASR+17, AWC+11, AK16, AML+10, BCS11, BKAB03, CDY+17, CTH+15, CS06b, CHLS16, FG01, FeOBA05, GJT+11, HA04, Ino05, JOW+02, KNP06, KSL08, LJdL+16, LS12b, M5L15, NZO+05, NY14, OYK+16, PR05, RPSV07, RL14, SSJ+16, VKI+00, ACM02b, MAB+01, BHS12, CZ14, CES16, CZS+16, CKS15, CMB+13, CLG+14, DSN13, DB07, FPC+97, GKL+13, GZU12, GZuRC13, HRT03, JLS+13, KDS+06, KIC+16, KSN07b, KZA+12, LHE+13, LLD+04, LQL12, LCG+14, MLN+12, MKG98, MAL01, SFS04, SB05, SHA02, SDH+14, SSD+13, TK07, TL00, UMC+10, UMB+11, VSI+10, VE14, Won16, WBKR13, ZL16, ZZY09]. Energy-Aware
[PR05]. energy-constrained
[UMC+10]. Energy-driven
[VTI+00]. Energy-effective
[FG01]. Energy-Effectiveness
[PR05].
energy-efficiency [CMB+13, KSN07b].

Energy-Efficient
[AK16, CTHV+15, KNP06, AW+11, CS06b, GJT+11, JOW+02, LS12b, RL14, CES16, CZS+16, GZuRC13, JSL+13, SB05, UMB+11, WBKR13]. Energy-harvesting
[CHLS16]. Energy-interference-free
[CHLS16]. Energy-performance
[AML+10]. energy-proportional
[MLN+12]. Energy-security
[Ino05].

Enforcement
[GRH06, SDLM+15, CTMT07, LKO+14].

Enforcing
[ZE16].

Engine
[BTRS05, AAZ89, CLR03, GLVC13, HvDJL80, HLM+16, LAf04, NK86, OUY+13, QHS+13, WW89, YW89]. Engineering
[LSB15, Adl73, Slo73, Slo74].

Engines
[MKP05, BKC14, HSW+11, SRJ+05].

England
[Ber91a].

Englewood
[Ber91b, Fer88].

enhance
[CZ14, SK10].

Enhanced
[Rot05, Fos72a, HKE+16, Las89a, PGB12].

Enhancement
[BS95].

Enhancements
[Man01b, Man01a].

equation-based [LSFK08]. equations
[BVGL00, Chr90, Don83, Don85, Don88, Don90, GLH88, JD88, OT86, Qui84].

equipped [HHA83].

equivalence
[HANR12].

evaluated
[BNS10, DBK+02, JDL81, Sta81]. Error
[Che84a, DBK+02, WERM04, YMM15, AWC+11, Bos84, Con88, DJPK16, FGAM10, FAH83, GM84, GMM83, HAN14, HCM99, KCE12, NKQ13, NSQ16, PBGM09, Rao84, SGK+04, UVG12, UVG14, WAC+10, YE09, YMX+10].

Error-correcting
[Che84a, AWC+11, WAC+10].

Error-Prone
[YMM15]. Errors
[LABR08, SDB+15, YMM15, BWWA05, HSS12, ISG07, KDK+14, LRS+08, ZLO+11].

ES40
[CK00].

Esterel
[LBvH06].

estimates
[WMP07].

Estimation
[LABR08, TM14a, VJE+12, GMK+98, SBM09, WMW09].

Euripus
[DP12].

Evaluating
[ADK+04, BVR+00, EK89b, GS07, JH94, OA89, PK94, SWC+95, UY07a, YZ07a, CMR+12, MCC+06b, FL06].

Evaluation
[BKSO05, DKKC93, EJK+96, HGS+16, LP91, MYB89, NHO96, Par75, RCV+05, SHNS86, SGS+03, THL+86, TLM+04, Wul92, YHN+86, ASH88, ASH98, ATHM86, ACF+05, BBH94, BNT78, BWJ+90, CGBG88, Che92, CMB+13, Cra79, CB13, CKPK90, DL87, DNS95, DR91, EK88, EP87, EP88, GMD+09, GGH91, GZuRC13, GLVC13, GHG+91, HLM+82, HAN96, HVAN14, HLR98, HJS+85, Hea84, HS84, IT93, IS92, ISKR86, IM02, JLZ09, KEE78a, KEE78b, KEE79a, KEE79b, KEE99a, KEE99b, KHCM99].

Evaluations
[MM14b].

even
[DB07].
EVENODD [BBBM94]. Event [HNK+17, DS11, GSS05, GLL+90, GLL+98, Gha98, GKB+13, Q9Q1, TBL12].
Evolutionary [AWAG15, Ber76]. Evolving [SADAD02]. EX [MH13]. exact [TZH+13].
examination [LSN14, VCK]. Examining [WMF07, DZZ]. Tha10].
Example [FK80, Ric80, Dow87, Dow88a]. Examples [Maz77]. exceeding [ASP+03, GHS16]. exception [MDS12b]. exceptions [GA01, LCS+10b, SMN+11, UH93].
excessive [GH90]. exchange [Feu84, Sov83]. exclusion [McF92, SLQK12]. Exclusive [BSADAD04, OH16, GCS11]. Executable [Cra83]. executing [See89a, See89b].
Execution [AWAG15, Bic84, Bit89, BGH+08, CHM08, DVT12, HCL15, HC15, KKS+15, Kro83, KKS+16, LCB+98, MCT08, MKP05, NPC05, PCC+08, PR05, Rot05, WDW10, YMM15, ZS01, AS91a, AT11, AIO+11, ANH95, AHA+14, ATT+13, ACM+98b, ASP+99, BG84, BAD+10, BFS+09, BKC14, CO82, CM87, Chutt7b, CHWY13, DBSK04, EH82, HFZW87, HX97, HKA+01, HP87, KDMP92, KY20, KPY98, KPH96, LBCG95, Li94, LN92, Luk01, LRHM90, MHH+95, MEV92, MSB+05, MPP+08, MDS12b, MCC+06b, MW98, NMB92, PGV05, PACL05, PS94, RG02, SCP+82, SLLG05, SDP85, So94, SLZD04, SQP08, SMQ09, ST57, SP87, Tak87, TWC+10, Ter87, TXZ09, ULM98, UK05, UT83, UZU00, WCT98, WY05, WR84, Wei82, Wil87, YHX14, YW89, ZdKL+13, Uht02].
Expected [Q094]. expediting [YL16]. experience [CGBG88, DLMN09, FAB+96, RVLS14, Str83, WP87]. Experiences [ZBJ+02, JOW+02, Mat78]. experiment [An081, CD82, PP82]. Experimental [DBK+02, HS84, ACK94, CMPZ87, GPR87, HS01, ISKR86, KDK+14, KRM83, LJK+13, WCW+04]. Experimenting [Wis86]. expert [Gra84, LN92, Pau13, Roc85].
ExpEther [NMS+14]. explicit [CHKM93, LS92, PC90, PC98b, PC98a]. explicitly [MT02]. exploit [KTS+13]. exploitation [BK11, PSG06]. Exploiting [AZ05, AKZ06, BSL08, CKS16, CFA04, EAS+17, FFDH00, Fra86, GTA06, HH08, HC88, KDM+98, KKB+16, KW98, LYYBC88, MP91, Mos05, NH97, NAAL01, Nit89, PV04, SS78, SNL+03, SZBP08, SABR05, TEE+96, DMMD10, DC09, FS92, HANR12, KKM+06, KHM01, KSL+12, NaR07, NK01, NA83, OKY+16, QFLMK10, QFJL12, SSJ+16, VM97, VJM99, VVAV10, ZRZ+14].
Exploration [DM06, BS73, BFP03, CYH+11, CGT+14, Jon08, MMP+12, RYF+13, SRWB14, WC01]. explore [SHK+11]. Exploring [HS13, HFJ11, HIM+05, JSL95, LAB+11, MTU+15, NO94, NK01, WG98b, WCL17, IMC+06]. Exposed [TLM+04, GTK+02, TACT08].
Exposed-Wire-Delay [TLM+04]. exposing [NG09, NSQ16, NaR07, PLZ09].
Express [KPKJ07, dICKK15]. Expression [BTC06, RP99]. expressions [Kec78a, Kee78b, Kee79a, SK83].
ExpressOS [MPX+13]. Extend [SZBP08].
Extended [ISJ04, BK91, BCS91, CA94, Dug83, GGK+82, HTA08, HSC+90, Kin83, PA88].
Extending [Yue81, ADS+13, MSA+00, ZNF+16]. extensible [Fre74, GK78, SWY10, Feu76].
extension [Bur84, CBC+08, EAE+02, PDP+13, Ulm98, WS91].
extension-oriented \cite{CBC08}. extensions \cite{DDS94, HPU94, LP91, RA99, W98}. external \cite{LW94}. Extra \cite{WL98, LH96b}. extract \cite{JW95}. extracting \cite{LCED01}. Extraction \cite{Uht93a, Uht93b, MT94}. extremely \cite{GZuRC13}. extremum \cite{LF82, WLY84}. extremum-search \cite{WLY84}. Eyeriss \cite{CES16}.

\textbf{F} \cite{Ben82, Sch91a}. \textbf{FAB} \cite{SFV94}. \textbf{fabric} \cite{GDN16, KPK07, PCC14}. \textbf{Fab5calar} \cite{CWS04}. \textbf{FACADE} \cite{NBW15}. facebook \cite{WDG16}. facilitate \cite{WZ10}. facilities \cite{GS94, Tob90}. facility \cite{KBS84, LMN96, SSD13}. \textbf{FACOM} \cite{YHN86}. \textbf{Factor} \cite{LAB90, DM92, NEJ92}. \textbf{factoring} \cite{RBC84, WP90}. factorization \cite{DD90}. \textbf{Factors} \cite{BRC95, SK01}. fail \cite{Lip73}. fail-soft \cite{Lip73}. \textbf{Failure} \cite{GHKP89, IKM96, SKB17, ACJ13, LC93, NA16}. \textbf{Failure-Atomic} \cite{IKM96, SKB17}. failures \cite{ABC97, AJL14, BBBM94, Par98b, SLS10}. \textbf{Fair} \cite{KC98, MSS14b}. \textbf{Fairness} \cite{ELM10, MM08, SKJ17, WM16, KSN07, ZL14}. \textbf{false} \cite{HWW05}. \textbf{FAME} \cite{TWC10}. family \cite{DO82, Feu84, LR93, ME98, SMI75a, SMI75b, STR76, WS90}. far \cite{VJ93}. far-flung \cite{VJ93}.

\textbf{Fast} \cite{MCK96, MKK12, MCK96}. \textbf{Fastest} \cite{MCK96}. \textbf{Fault} \cite{Ann91, BAF94, GV05, LER17, PC83, PGVB04, RCV95, SH05, BVS05, AAS6, AGS94, AVI83, BSM87, CON88, DD95, DPK16, FV93, GSK03, GSK90, HAN92, HBT11, KRS13, KLC94, KR90, KRS85, LS82, LIW92, MRS95, MCG15, MGB15, NES11, PAF73, RRP06, RMM00, SCG91, SKB90, SPR00, TBB97, TZY85, VPC10, WMP07, WL88, WIPK09, WI91}. \textbf{Fault-Detection} \cite{RCV95}. \textbf{fault-injection} \cite{WMP07}. \textbf{Fault-secure} \cite{BA94}. \textbf{fault-tolerance} \cite{AVI83, KRS85}. \textbf{Fault-Tolerant} \cite{PGVB04, FV92, AGS94, BSD87, DDK95, GSK90, KLC94, KR90, LS82, LIW92, MRS95, MCG15, MGB15, PA73, TZY85, WL88}. \textbf{Faults} \cite{PTS91, HAN89, WCE98, DKNS10}. \textbf{faulty} \cite{BCS91}. \textbf{FCM} \cite{BFR98}. \textbf{FDT} \cite{DOS11}. \textbf{feasibility} \cite{DSO11, DMS95, DMS15}. feasibility \cite{FF94a}. \textbf{featherweight} \cite{DFL93}. \textbf{feature} \cite{LYB98}. \textbf{features} \cite{BCL82, H91, YK95}. \textbf{February} \cite{P97}. \textbf{Federated} \cite{CTH15}. \textbf{Feedback} \cite{SQP08, HMM96, S89}. \textbf{Feedback-driven} \cite{SQP08}. \textbf{Fence} \cite{MA14, MA15}. \textbf{Fence-Free} \cite{MA15, MA14}. \textbf{Fences} \cite{DHT15, DMT13, SAR99}. \textbf{Fetch} \cite{ANM98, HK90, BBK90, CG94, CMM95, FG91, GM98, KRO98, KRO98b, LBCG95, LV88, OKN02, PRZ90, RR77, TH90, TEE94}. \textbf{fetch-and-increment} \cite{FG91}. \textbf{Fetch-and-Op} \cite{HK90, LV88}. \textbf{Fetch-Criticality} \cite{ANM98}. \textbf{fetch/} \textbf{prefetch} \cite{KRO98a, KRO98b}. \textbf{fetches} \cite{SM98}. \textbf{fetching} \cite{UNM95}. \textbf{Few} \cite{HH98, LIP79, MAZ84}.

\textbf{Few-to-Many} \cite{HH98}. \textbf{ffLink} \cite{DLCKK01}. \textbf{FFT} \cite{GS92, NNI96, SJ96, L96}. \textbf{fi} \cite{MMP12}. \textbf{fidelity} \cite{RGM14}. \textbf{Field} \cite{ZS94, RIA80, SAC93, WZL96}.

\textbf{Field-testing} \cite{ZS94}. \textbf{fields} \cite{LIP97}. \textbf{fifth} \cite{SMR85, MO83}. \textbf{Fighting} \cite{BTS11}. \textbf{figure} \cite{LAN77}. \textbf{File} \cite{AH95, BK16, GCO94, AZ95, BNT78, CBF92, CGV90, D79, DSH94, HLS95, JSL95, PBL90, SQK12, SFW13, YR97}. \textbf{files} \cite{L98a, TA03}. \textbf{filesystem} \cite{CG91}. \textbf{filter} \cite{DGR85, GRT94}. \textbf{filtered} \cite{RF96}. \textbf{Filtering}
Finding
[BCG14, DZZ+14, HABZ17, LF82, MCXS16, BKN10, Joh04, MPH12, SBRM09]. Fine
[BFP03, CSS+91, KRS13, KKS+15, MS07, OBRW14, ALE90, BK11, FS92, GHW90, GKK+13, HBHA02, KDM+98, KHN07, MLC+09, MP91, MFWH96, RWB09, SYK10, SK11, SSD+13, SGS+93, WJGA12, kSYHX+11, ZCX+14, ZSHG07]. Fine-grain
[BFP03, CSS+91, MS07, OBRW14, ALE90, BK11, FS92, GHW90, HBHA02, KDM+98, MLC+09, MFWH96, SYK10, SK11, WJGA12, ZSHG07]. Fine-grained
[KRS13, GKB+13, KHN07, MP91, RWB09, SSD+13, SGS+93, kSYHX+11, ZCX+14].

Fingerprinting [SGK+04]. finite
[CF82, DGY89, GPFI13, MMS14, Nap86, SC01, SLTB+06, ZWS14]. finite-state
[CF82, MMS14]. FIR [DSG11]. fire
[BTS+11]. Firefly [PKK+09, TS87]. Firmware
[MSI82, KONA82]. First
[KS04, LS73, Mar88, MNS+14, MSH+15, TIvL05, Bak94, BMlM14, MBL+89, NEEJ12, VM88, ZELV02, MKM+83]. first-come
[VMB+88]. First-Level [TIvL05].
First-Order [KS04, BMm14, NEEJ12].
first-serve [VM88]. fitting [JSN90]. five
[Kha99d]. Fixed [DDIS13, VPS01].
fixed-application [VPS01]. Fixed-point
[ddDIS13]. flag [CSW94]. Flagship
[WWW+88]. Flash
[KRM08, KL17, CGS09, GKO09, JCSK14, OLJ+14, CCEH00, GKO+00, KHO+94, Kus98, KOH+98]. flat [ALE90]. Flattened
[KDA07]. FLEP [WLZJ17]. FLEX
[MAT85, PN88]. FLEX/32 [MAT85].
FlexBulk [AT11]. FLEXclusion [SLQK12].
Flexibility [ISJ04, EE14, QHS+13, TM11].
Flexible [CKS+08, JMP09, QM91, SYK10, SDO80, SHV+98, SST06, WLZJ17, BEL+00, DKK07, DRC005, DP12, Nak01, SSH+07, SLQK12, TNY11, WW93, WWA01, YE10].
FlexNIC [KPS+16a]. Flicker [PIAS13].
flight [CMLV04, XBH03]. Flikker
[LPMZ11]. FLIP [GRA91]. FLIP-FLOP
[GRA91]. Flipping [KDK+14]. Floating
[D’H16, GSS12a, Sit73, Ste80, THEK16, BIDPT10, Bra72, Dal89, JBW89, LKB91, Lip77a, LGM+14, PB80, RF90, Ris76, SC92].
Floating-Point
[D’H16, THEK16, BIDPT10, Dal89, JBW89, LGM+14, Ris76, SC92]. FLOP
[GRA91]. FLOPS [MIO+10]. FLOPS- [MIO+10].
Florida [IEE76, LS73, LS73]. Flow
[Ak81, CWY+08, EBS+04, FZX+17, Kro83, TM14a, Ter87, VF85, YSC16, ZWS15, ATHM86, BS06, BWA05, CDP82, CDP83, CCV+09, Dal90, DKK07, DDY95, DM74, DML80, DM98, Den98, FG83, Gau85, Gk78, HP86, HP98, mHP98, LW92, LJS+02, MS87, MMAS08, OT73, PMPM96, PH85, Pri91, Req83, Sha80, SHNS86, SEI08, ZWS14].
Flow-control [Ter87]. Flows
[GCJ17, VE14]. Flowware [OT73]. Fluid
[SCU+14, AIO+11]. flung [VJM99]. Flux
[YBMT13]. Fly [KKS+15, ZS15, CWS06, Kep91, SZD+08, ZJG+11]. Flynn [Lun75].
FO4 [HBJ+02]. focus [Lun05]. Focusing
[FRB01]. fog [CHJ83]. folding
[DM87, EKEL01]. foo [Gas88]. footprint
[CD8+14, HeU07d, JVF13]. footprints
[KW98]. force [Ros76]. forcing [PBC+13].
forecasting [SBRM09]. fork [TLD14].
fork/join [TLD14]. form [Miy85]. Formal
[MCN+17, WJMC04, Hof80, PAVT16, HA04]. format [Bra72, SV89]. forming [AT11].
Forth
[Bak94, HFZ87]. FORTRAN
[Sch91a, Don88, RA90, Don83, Don85, LM76]. forward
[Hill87, Ree80]. forward-looking
[Hill87]. Forwardflow [GW10]. Forwarding
[GRH06, SST06, LM99]. Foster
[Hill91, MC78, Vra78, Ano99]. foundation
[PB80]. founder [Ano99]. fountain
[WDA+08]. four [EK89b]. Fourier
WY05, Woo14, Ano05c, Ano08c.

**General-purpose**

[SYP+14, FR89, GCT08, HQW+10, RAJ99, TPO06, Wool4]. generalization

[HT10]. **Generalized**

[AK81, Gol84, Hic76, LaF98]. generalizing

[Mat90]. generate

[Bur06, RP99, WSC92]. Generating

[PKB+16]. Generation

[AYQ+16, BKW90, HL15, Mo83, BA06, BD91, BEH91a, CCA+11, DP76, DPB77, HK89a, Kar95, KDA12, KDP+16, KBD+13, LYS07, Mid82, PvcS00, RGG82, RGP82, Rou86, SF03, Smrt85, Tre83, VSM+07a, VSM+07b, CH04]. generational

[KHM01, WK08]. generator

[AA11b, EP84, HC88, MF05]. Genetic

[GFT+15]. Genomic

[HSBA16]. Geometric

[Lan90a]. Georgia

[GEE99]. Gerald

[FS093b]. Germany

[ACM04]. Gerrit

[Goo88b]. GF11

[SDB+05]. GoTM

[ALE90]. Going

[AAZ89, CBS98, HTA08, HSW99, KRS13, LAO+16, LLY+15, MZLH15, ER92]. Goal-Directed

[SAL+17]. Goal-Dependent

[SB+14]. Goals

[ATA79, Gor83]. Global

[QTP05, KBC+00, NSI94, OA08, PN83, SHA02, SMH80, TFWS03, ZFC03]. global-scale

[KBC+11]. Globally

[LNA08]. Go

[Pat06, MPP+08]. Goal

[SDLR+15, SDGT03]. Goal-Directed

[SDLR+15]. goals

[ALE90]. Going

[KSO2a, LLC+14]. Gold

[IEE92]. Good

[SDB+14]. Good

[IRW06]. Goodman

[CBS88, Goo88b]. Goodput

[RHR+17]. Google

[CSBA17b]. GOPS

[RBH+03]. Gordon

[CGS09, GSt80, ACM01]. Gottlieb

[Lan90a]. GoTM

[JVW13]. GoP

[BJW90]. GPGPU

[JSL+13, JKN+13, PTG13, RE12, VR+14]. GPGPUs

[JKM+13, LSA15, LHE+13, RE13, VE14]. GPU

[ABD+15, APX12, APX14, Bon13, BCD12, DSOF11, FMM11, GC11, HL15, HK90, HKL+16, JPT14, KDS012, LKC+10, MDS011, MNS+14, MS9+15, NMS+14, PPM15, TM14b, WLG+14, WN14, WL10, YXL+16, YKL+16, ZJG+11]. GPUAccelerated

[HSBA16]. GPUDet

[Bon13]. GPUfs

[SFKW13]. GPUs

[ANS+15, CT08, LYSB11, LSL+17, LCCZ17, LBH12, MDS12b, OKY+16, OBRW14, PPM17, PHB14, SBS16, SFKW13, TGC+14, TPO06, TL10, WRSY16, WLZJ17]. GPUWatch

[LHE+13]. Gracefully

[KNP06, CSSP87]. gracefully-degrading

[CSSP87]. gradient

[CHR90, GSZ90]. gradient-type

[GSZ90]. graduate

[Muk97]. Graffiti

[JoH95]. Graham

[Alv93]. Grain

[CL505, KCS+08, MOS05, ALE90, BK11, BFP03, CS89+11, FST92, GH90, HHBA02, Kap87, KDM+98, LS12b, MLC+09, MS07, MFHW96, OBRW14, SYK10, SKI11, WL10, ZSG07]. Grained

[KKS+15, GTA06, GKB+13, KRS13, KTO+12, KHN07, MP91, PCL10, RWB09, SSD+13, SGS+93, KSYHX+11, ZCX+14]. grammar

[FL76]. grammar-programmable

[FL76]. Granularity

[THEK16, CSY90, GSM06, RSG03, YJE11, YJSE12, ZSKD13]. Graph

[HPF86, MM14b, VTC+17, WHZ+17]. Graphical

[MZH15, ER92]. graphics

[AAS9, CBS98, HTA08, HSW+11, Ker74, LHP+87, P88, Sin92a, TSN+86]. Graphs

[AWAG15, HNP15, VGX+17]. Greater

[BYP+91]. greedy

[PMA+13]. green

[CMR+12, HCOE12]. Green-Marl

[HCSO12]. GreenSwitch

[OKIE+13]. Greg

[BER91c]. Grid

[WDW10, TKG+02]. grid-based

[TKG+02]. GRIFFIN

[GCJ17]. grips

[Mil87]. Grossetie

[Mil87]. groups

[Mil87]. groups

[Mil87]. groups

[Mil87]. groups

[Mil87]. groups

[Mil87]. groups

H [Iva91, Su74, Tan78, Cra88]. H-series [Cra88]. H21 [SWW02]. hacker [HLS05]. Half [KL03, Chr76, ZCX+14]. half-baked [Chr76]. Half-DRAM [ZCX+14].


Hardware [AR83, AVN+16, BNZ08, BGH+08, COH+11, CJK+05, CKS+08, CWY+08, CHLS16, CDMWH00, DSM82, FXZ+17, FH76, Ful91b, Ger80, GKB+13, HJB+82, HKK80, Ho80, ISJ04, JPL08, KC02, KSKC17, LHM+15, LSMB16, MWP07, Mat90, MS15, NRS+07, PQC+09, PN77, PKB+16, RSV87, Ran85, Rat82, RO74, SBV91, SZD+08, SLK05, TPG+97, THNM14, TML+17, Wil82, Wir87, Woo86, ZWSM15, ZH16, ZLJ16, AA06, AAV91, APP+14, AJH12, AA82, ACF05, AL12, AB86, AFNV90, APX14, ACJL13, AJL14, Bar82, BC91, BB8+08, BMV+07, BS74, CBGM12, CL87, CS99, CW06, CB94a, CHV04, CY96, CM80, Chu77a, CKB88, CM8+13, Coo73, CDK+94, CBS98, CSS+91, DC8+11, DS02, DLMN09, DMB87a, DP12, EC8+11, FAK+12, FMB+07, FTG88, FH82, GMF+11, HVAN14, Har73, Hii81, HK89b, HCC89, JDL81, JMD09, KMI+85].

hardware [KW13, KNN00, KMM+06, KJM+07, KDA12, KDP+16, KS95, LAL73, Las89a, LM74, LKO+14, LNH+11, LCS+10b, LGM+14, MSS14a, MR90, MPP+08, McL91, MP91, MTG+99, MTN+00, MHKT09, MB80, NMZ12, NMS+00, NDZ10, NPCF08, NMT10, RES+13, RM77, RPW96, RKGM14, RKM+11, SHA02, SA86, SSH+07, Sos94, SK10, SH87, Sto86, Su75, SKA13, Tab10, TYM86, TACT08, VPS01, VGLN89, VR73, VKI+00, WBM+03, WY05, WW13, WS89b, Wli91, WW89, Woo85, WO86, dKNS10, vdSS79, DWS+12].
[VT14, APP+14], **Harold** [Fos72a, Lan76, Sch88]. **Harper** [Dik90]. **HARRIS** [KKC92, Cra88]. **Harry** [Gon77]. **HARTS** [SD90], **harvesting** [CHLS16]. **Hash** [HCJC06], **Hash-based** [HCJC06], **hashing** [TLLL07], **haul** [DCB+94], **having** [HS80, HP86, HP98, mWHP98]. **Hawaii** [IEE88]. **Hawks** [GLVC13]. **Hayden** [Mil77b]. **Hayes** [Col88]. **hazard** [KMT91]. **HC1** [MH13]. **HC1-EX** [MH13]. **HCloud** [DK16]. **HDL** [KKM16, OUY16]. **HDTrans** [SSB07].

**healing** [SLK05, SLP+09], **health** [Zil01]. **heap** [CG06, Hom82, KJS+06, LBL02]. **heap-based** [CG06]. **heapsubstitution** [Hom82]. **HeapMD** [CG06]. **Heaps** [CCA+11]. **Heart** [KONA82]. **Heat** [GPV04]. **Heat-and-run** [GPV04]. **Heavy** [TP15]. **helix** [Rou86, CBK+14]. **help** [Laf98, Laf00, Pay78]. **Helper** [CW+04, KST11, SRJ+05]. **Hénon** [JPT14]. **HEP** [Jor83]. **Here** [Pat06]. **Heritage** [Mat78]. **heterogeneity** [MT13].

**Heterogeneous** [ANS+15, AVN+16, BLJ+17, CTHV+15, HCL15, HBB+14, KTR+04, LJdL+16, LL16, Tho81, VSST16, ZAF+16, AA84, AA11a, ACRV12, AKB+89, ACS+12, BF87, DVT12, DK13, GCM+10, GHKM11, LWZ14, LCWMO8, Ml82, MVD11, MPM14, PARKA13, PP92, TZZ+16, TPPL10, TL11, VJE+12, V194, VT14].

**Heterogeneous-ISA** [BLJ+17, VSST16, DVT12, VT14].

**Heterogeneous-race-free** [HHB+14]. **Hewlett** [HW77]. **hi** [MMP+12]. **hi-fi** [MMP+12]. **HIBRID** [MBS+04].

**HIBRID-SOC** [MBS+04]. **HICAMP** [CFS+12]. **hidden** [CWD0+06, GZC+11].

**HIDE** [ZZP04]. **Hiding** [GHG92, KD06, ZA05, BR92a, Kee79b, PGV05, PL90, RSP05]. **Hierarchical** [BD93b, Cha90, GB83, HS77, Wil87, AP76, BF90, Gou78, Nae85, PPZ96, RM77, SBM02, Sin92b].

**Hierarchies** [SSZR05, TMC+06, TAM+08, BW88, BW98a, BW98b, GGV90, MH07, PHH89, Tri80, VR+14, WM88].

**Hierarchy** [KTB+17, Tab95, GcC84, HGC10, JnWH97, Lan77, RBV07, Reg76, SHBS14, SHK+11, WBL89, Zab03]. **High** [ABY+87, AA11b, AW04, Alv93, AHC+16, ASh96, BN08, BTO6, Co90, D+H16, DSG11, Dow91, GCM16, HS85a, HL15, HIT05, JTE10, JMY89, KPS+16a, K DTG05, KMK16, KPS+16b, LIF+16, LBH12, MS13b, MS13c, MCK16, Mil77a, Sch88, SAKD06, SLG+05, SOD+14, SF91, TF88, TS05, TP15, TW77, VV14b, WSC+14, WEMR04, dICKK15, ARJS07, ACS+12, BM91, BV+00, BSR06, BDJ+11, BNA88, BD84, CG95b, CDS+14, CJZ99, CSF2, CMMP95, DCB+94, DB07, DG92, DP90, DP98b, DP98a, DSH+94, ELMP10, FTM99, FL76, FHH+89, Gun90, Gup89, HHA83, HW87, HBI13, HT10, HC85, HP96, HC89, HP98, mWHP98, Hya93, JCK14, Kat89, KC96, KDA07, KK+16b, KFM02, LP80, LP98, Lar82, LYB11, MPH12, MKKU03, MHH+13, MIT89, NDK13, NKH+85, NS86, NP90, OMB91, OCB12, PNL8, PP82, Pie83].

**high** [Pie98, QJP+07, QSR09, RBV07, RRP06, Ris76, RBC84, KGK14, SJ86, SVC03, SE+95, SP98, SV87, SV98, Soh98b, SHMZ94, SQP08, SV74, TRA91, TDF90, Tem12, TTM10, Tre80, TA03, TLLL07, Tur79, VFMC13, Wan01, WW12, WGH+97, Wil01, WO97, WSC92, WBS+88, WDKR13, YHMB00, YCT05, ZC+14, ZLZZ09].

**high-associativity** [DG92].

**High-Assurance** [AHC+16].

**High-bandwidth** [AS96, SF91, BSR06, DSH+94, ZC+14, ZLZZ09]. **high-coverage** [RRP06]. **High-Density** [GCM16, KKH+16, MMH+13, Wan01].

**high-frequency** [TA03]. **High-Level** [Co90, D+H16, Mil77a, LIF+16, BM91, BD84, DP80, DP98b, DP98a, FL76, Lar82, MPH12, PP82, Ris76, SV74].
High-Performance
[AW04, BNZ08, KPS+16b, Sch88, WEMR04, dCKK15, TF88, VV14b, DCB+94, ELMP10, HHA83, Hya93, KC96, KFNO2, LP80, LP98, NP90, OMB91, Pie83, Pie98, SV87, SV98, Soh98b, SQP08, TRA91, Tem12, WGH+97, WBS+88, YMH000]. High-Radix
[KDTG05, SAKD06, KDA07].
high-sensitivity [WW12]. High-Speed
[Alv93, HS85a, KM16, TW77, BVR+00, MTT89, NKH+85, SHM294, TDF90, TLLL07, Tur79]. High-Throughput
[BTC06, MCK16, CDS+14, WBKR13].
higher [XDLB13]. Highlights [Kan11].
Highly [CTHV+15, HD86, KDSA08, Lan90a, RLD+17, ZYMS15, LL97, Lum85, MS84, PT10, RWA+16, SFS04, UJ92, Won16, Yok94, ZVN03]. highly-accurate [RWA+16]. highly-associative [SFS04].
Highly-Available [ZYMS15].
Highly-Programmable [CTHV+15].
Highly-Scalable [KDSA08, RLD+17].
highly-selective [PT10].
Hill
[CY06, Col88, Gon77, Iva91]. Hill-Climbing
[CY06]. hills [Zho16]. HIOS [JCS+14].
HIPStR [VSST16]. histogram [CKB88].
historical [Hen07c, Smo89]. History
[Sez05, SKJ+17, Sos94, BE03, Hol89, JSN98, KE91, SCAP97, TFW03, YP93]. History-Based [SKJ+17]. history-length
[JSN98]. hit [Hai84a, Hai84b, JVF13].
Hitter [TP15]. Hitting [WM95]. HIVE
[AA84]. HLL [CO82, KBs+82, Kch76].
HLL-RISC [CO82]. HLS [OCF04].
HMO [BS74]. Hoard [BBMW00]. hoc [KMVS12].
HOIST [RR04]. Holistic
[MAHK16, DFF+13]. home [Lor90, Nak01].
homogeneous [MT13, SB77].
Homogenous [SBK77]. Honeywell
[JK77, Mar73]. Honolulu [IEE88]. hop
[KKP14]. Hopkins [FR72]. horizontal
[BC90a, Das77, RGG82, RGP82, SV89]. Host
[OHW17, JCS+14, TSK+83].
Host-Accelerator [OHW17]. hostile
[CDA14]. hosts [TtLcC13]. hot
[DB00, Lee85b, MTG+99, MTN+00, UC01].
HOTL [XDLB13]. Houston [Kin75].
Howard [Alv93]. HP
[AD98, Cve03, MPPZ87, SGH97]. HP/
Convex [AD08]. HPC [KMA+12]. HPM
[NKH+85]. HPPAC [RSLF05]. HPSm
[HP86, HP98, mWHP98]. HTGL [Bec95].
HTM [HRW09, JYV13]. Hub [HL15]. huge
[Wil91]. Hughes [VF85]. Hybrid
[BNZ08, DCC+11, DFL06, FSR+04, MS15,
RCV+05, CB+15, WN14, WLZ+09, YZ07b,
ZH16, BC02, Dah95, ECP96, Iau88,
KJT+10, LZC+16, LW07, MK12, MTH+07,
PHH16a, PHH16b, SK+92, SD95, VFMC13,
kSYXH+11]. Hydras [Göh14]. hypercube
[Ann91, CS99, CMP+08, CT90, Eij90, HB90,
KB92, MR90, Tze90]. hypercube-derivative
[Ann91]. hypercubes [BCS91, Gut87, Wan93].
hypernet [KB92]. Hyperswitch
[CMP+08]. hypervisor
[DN14, LLZ+13, MSZ09, SL12].
hypervisor-secure [SL12].
I-cache [Quo94]. i-NVMM [CS11b]. I.
[Ian90b]. I/O
[Aic92, AAZ89, ACK94, BBH94, CPdM+96,
Coc96, Ebr96, Fin93, GAH+12, HY96, HIT05,
JSWB93, JCS+14, Kait89, KMN+16, LZ93,
MABYT15, NS+90, PM92, RB90, Red92,
SBQZ14, SD90, STV94, Smo89, SKS88,
TOL+11, TtLcC13, VI94, YRK07, dRBC93].
IA [ZRHM00]. IA-64 [ZRHM00]. IA32
[ST03]. IaaS [ZW14, ZHW16]. Iago
[CS13b]. Ian [Hil91]. iAPX
[HLM+08, PCH+82, Rat82]. iAPX-432
[PCH+82, Rat82]. IBM [Ber80, DD90,
Fer11, GPR87, H091, SCH+91b]. IBM/
6000 [SCH+91b]. ICL2900 [Dor75]. Idea
[SGS08]. ideal [KPKJ07, KSL08]. Ideas
[Tsa16]. idempotent [ZdKL+13].
identification [DS11, JSMP12, TFW03].
Identifying [ZSG+17, CG06, DESE13,
[Bri87a, NLV86, RTY+87, SA88a, WO89]. Index [Ano04a, Ano05a, Ano06a, Ano08a, Bur02, De 81, SBM+14]. Indicating [HST04]. Indicate [Joh04]. indices [Tab88]. Indirect [JKD09, PP03, CHP97, DH98, JMK+08, JW97, KK99, KJM+07, YCT05]. Individual [SOM+08, Fon03]. induced [KW84, MTP+12]. Inductive [PV04, CL09, PV03]. industrial [Str83]. Industry [Dal10, Tho10a]. INDY [Cop78, OC78]. ineffectual [AJH+16]. ineffectual-neuron-free [AJH+16]. inefficiency [HQW+10]. Inexpensive [KJL+89]. Inference [HNK+17, KKS+16, Uch83, HLM+16]. Influence [VGSS+85]. Information [Ano08e, CWY+08, FXZ+17, HD77, YSCC16, ZWSM15, CS06b, DKK07, DMWS12, ERT78, GLM13, Kan74, Kee79a, KS99, Mac98, NSQ16, SLZD04, TWM+09, TOL+11, TT82, TMW+01, ZRZ+14, ZZP04]. Information-Flow [YSCC16, ZWSM15]. information-hiding [Kee79a]. Informing [HMM+96]. infrastructure [Ham09, HMK+05, KSR+10, LA04, UVG12, WGS+14, WHG+07, ZZP04]. Infrastructures [YJJ+16]. initial [CGB+88, KDL+93, KDL+98]. initialization [LBL02]. Initiated [SA15]. injection [MMJ+05, TTM+12, WM+07]. InkTag [HKD+13]. Inlining [LMG+04, AK00]. innovation [Aup80, Gal80]. innovations [BS86, Den80, Las89b]. Innovative [Kav81, SHZ97]. Input [CD77, JWB93, JWB94, BP04, DP76, McD77, PAVT6, AS91b]. input-output [McD77]. input-sensitivity [BP04]. Input/Output [CD77, JWB93, JWB94, AS91b]. inputs [BJL+13]. insertion [GCS11, PD76, PD98, Pat98b, QJP+07]. Inspection [VCK+12]. Inspired [Wil16]. Instability [STV94]. instant [LRS+12]. instead [Mat10]. Institute [IEE83]. Instruction [ASR+17, AM06, BKS+05, Blu83, Bur82, CKS+08, CS00, CS80a, CBC+05, DF92, Deb89, Fis83, HCC+06, HS01, LBC+95, Lit94, MVS+92, MSP+06, MIT89, PGS04, PS98a, PSR05, SV87, SV98, SCH+91b, UNM+95, Uln98, WS74, WS84, XT96, AS91a, AA+90, ATT+13, Bak91, BD84, BEH+91, BYP+91, BS02, BKAB03, CG94, CMC+91, CMC+98, CS06b, CL82, CKDK+91, CGL95, CMMP95, CJ88, Cra83, CMLV04, DV87a, De 90, EHA03, Far+89, Fis83a, Fis98b, Fon03, Fre74, GM98, Goo88a, HB86, HKN+92, HJJ00, HHL+16, HCS99, nWH89, IS92e, JW89, Kep91, KS02b, KMC+93, KRM83, Kro98a, Kro98b, KADS04, KHC+91, Lap90, Lap91, KKL+02, LDT+16, LFH03, Mar93, McD82a, McF89, MCL89, MPS94, MMJ+05, MA06, Mye77, NH97, NA83, OA08, OCL+90, PDS0, PGH+83, PS98b, PS77, PS98c]. instruction [PGTM99, RBR+02, RL74a, RR77, RAC99, RF96, SM77, SF03, Sho87, SP98a, SG83, SJH89, SFS00, S97, SV89, Sta86, Ste89a, Sur07, S82, TH+96, TEE+96, Uht93a, Uht93b, VM97, Wak80, Wal91, WY05, WR84, Wie82, WS91, YZ07a, YERJ99, Soh98b]. Instruction-Grain [CKS+08]. instruction-length [IS92]. Instruction-Level [ASR+17, PS98, DF92, MEV92, JW89, Wal91]. Instruction-path [Deb89]. Instructions [HGT+05, YT04, BFA+93, HY85, KT91, KKM+06, Kee78a, Las88a, LL+00, PPA+13, ST97, TM11, Wal92, Wil83, Yue81, ZS00]. instructions/operands [Las88a]. instrument [GBH+14, WE74]. Instrumentation [vT88, FEG+12, GSS05, PACL05, RD01, SAB+05]. instrumented [KP05]. Integer [GCO+04, MPPZ87, SDL+15, PH90, SBV91]. integral [MST+07]. Integrated [ACM+98b, BSR+06, BR92b, GCC+14, KAO+05, SLFG06, ABY+87, BSK+10, FTM+99, GP88, HK10,
Integrating [BEH91b, PQNT16, KD92, SIG89, SKFW13, vECGS98, vECSG98].
Integration [SPN96].
Integration [FRK +15, HDK +11, HS10, HDS10, KS99, KDP02, LLZ +13].
Intel [Fos72b, GCJ17, GC86, HLM +82, MR90, Pal80, Pat82, PDP +13, Sch89].
Intelligence [Che17, KHG +17, Lev92].
Intelligent [LJVM12, Qui79, AJC +88, Lip77a, Lip78b, OCS98].
Intelligently [AT11].
Intensity [GLVC13].
Intensive [CGS09, KK08, LZ93, MSB +11, SLcC12, SKC +03].
Inter [BM10, KST11, KSL08, FH76, GS80, TGGS14, ZW16]. inter-arrival [ZW16].
Inter-core [BM10, KST11].
Inter-node [TGGS14].
Inter-process [FH76, GS80].
Inter-router [KSL08].
Interactions [OHW17, RO74].
Interfacing [Ful91b, BI12, Sac83].
Interference [HJrCH16, BF73, CHLS16, Hoo77, JB76, SCAP97]. interfering [WGO +13].
Interleaved [SL92, YJX +16, CL89, CSSP87, Rau91, WJ85]. interleaving [LTQZ06, NLS88, YN09].
Interlock [MEV92].
Intermediate [HS16, TAV10, WP87].
International [ACM89, ACM91, ACM93a, ACM95, ACM96, ACM97, ACM98a, ACM00, ACM01, ACM02a, ACM04, HLR98, IEE83, IEE84, IEE85, IEE86, IEE87, IEE90, IEE92, IEE94, IEE99, IEE03, IEE05, IEE06, Mar88, Su74, Dor75]. Internet [Ham09, OLJ +14, Tho94a, Tho95b, Tho95c, Tho96a, Tho97a, Tho97b, Tho97c, Tho97d, Tho98a, Tho98b, Tho98c, Tho99a, Tho99b, Tho99c, Tho00a, Tho00b, Tho01a, Tho01b, Tho01c, Tho01d, Tho02a, Tho02b, Tho02c, Tho03a, Tho03b, Tho03c, Tho03d, Tho04a, Tho04b, Tho04c, Tho05a, Tho05b, Tho05c, Tho05d, Tho06a, Tho06b, Tho07a, Tho07b, Tho07c, Tho07d, Tho08a, Tho08b, Tho09b, Tho09c, Tho09d, Tho10c, Tho10d, Tho10e, Tho11b, Tho11c, Tho11d, Tho12b, Tho12c, Tho12d, Tho13b, Tho13c, Tho13d, Tho14a, Tho14b, Tho14c, Tho15a, Tho15b, Tho15c, Tho16].
Internet-scale [Ham09]. Internetworking [Mad94a].
Interpolation [LWB08].
Interpolations [CLC90]. Interpretation [CFRS99, NA83].
Interpreted [BKC14].
Interpreter [Chu77a, CMPZ87, Fre74, OKN02].
Interpreters [Bra82c, KKC +16a].
Interpreting [Car96]. Interprocedural [WHZ +17].
Interprocess [KBS84, Mar83a, RSV87]. Interprocessor [AP89, Dow91]. interrupt [Sit73].
Interruptible [SV87, SV98, Soh98b]. interrupts [Ger81, MGH +96, Par02, SP85b, SP98b, Smi98d]. Interscience [Atk79].
interval [JTSE10]. intervals [Hai84a, Hai84b]. interweaving [BCD12].

Inthreads [GSM06]. Intra [DKD+15, EAS+17, SGS08, VSW+13, XJK+16, XGC+10]. intra-chip [XGC+10].


Introduction [ABZ07, AAEBAT98, JWB93, JKT05, JKT09, KCO5, KSN07a, Lan76, TKJ07, BGP+01, BFPO5, Henn07a, Lip88, Snt5, JWB94]. Introspective [MAS+06].

Intrusion [TS05, ACF05]. invalidation [CV88, HC99, LF00, LW95, LS92, WG98a].

Invalidations [SA15]. invariants [LTQZ06, MPX+13, SCGA13]. Invasive [BSADAD04]. Inverse [MS82]. inversion [BNT78]. inverter [HBJ+02].

Investigating [DB07]. investigation [LJ90, Wol76, YKDD01]. InvisiFence [BMW90]. Invited [Tsa16, SGG+85, SMRT85].


ISA [BLJ+17, DVT12, KTR+04, RAJ99, TML+17, VTI14, VST16, Wit16]. ISAAC [SNM+16]. ISAs [HNTL11]. ISCA [ACM93a, ACM04, IEE03]. isolation [ARJS07, DZ09, LCF+14, MTC+07, RRRV09]. ISOLATOR [RRRV09]. Israel [ACM89]. Issue [ISJ04, JWB93, JWB94, Ram88, ABZ07, AZ05, AS96, BKAB03, CMC+91, CMC+98, CYL99, CMMP95, FG01, GL11, HHJ90, mWH98, JKT05, JKT09, KCO5, KSN07a, Pen88, SJJH89, SV87, SV98, Soh98b, TEE+96, TKJ07, VM97, WS84]. Issues [EGK+85, BD86, Bu82, GTBJ89, GH88, GRD87, HCD+94, IAD+94, RSG93, SLLG05, UJ92]. issuing [HKN+92]. iSwitch [LQL12]. Italian [CJM77]. Italy [ACM95].

Itanium [BT13, SzUK+04, WCW+04]. Itanium-2 [WCW+04]. iterated [HA90].

Iteration [SSK17]. iterations [FAY83, UZU00]. Iterative [CFE+12, SA87]. iteratively [Kan74]. iThreads [BFA+15].

IVEC [HS10]. iWarp [BCC+00]. iWatcher [ZQL+04]. IXM2 [HFH+91].

J [All92, Atk79, Ber91a, Bow79, Fer88, Gor83, Lan90b, Mil77b, Mud80, Tak88, DC+98, NWD93, SGS+93]. J-machine [NWD93, SGS+93, DC+98]. Jack [Sad83].

James [CBS88]. January [IEE76, KIN75].

Japan [IEE86, YSY+90]. Java [CO03, CDG+17, EKEL01, HFL03, LYK+00, LFH03, MW98, OKN02, OUY+13, OUY+13, RTJ00, SK04, YLP+99].

Java-to-HDL [OYU+13]. Jersey [Fer88, Mil77b].


John [Atk79, Ben82, Bow79, Fos93b, Gor83, Mud80, Ben82, Bit89, Cols88]. Johns [FR72].


July [ACM98a, ACM01, Wak81]. jump [RS99, Wil83a]. jump-pointer [RS99].

jumps [CHP97, JMK+08]. June [ACM89, ACM95, ACM97, ACM98a, ACM00, ACM01, ACM04, IEE84, IEE85, IEE86, IEE87, IEE88, IEE93, IEE95, IEE06].

Just [Bra82a, Lip78a, LYK+00, RD01].

just-in-time [LYK+00]. JUSTDO [KK16].

K2 [AFNV90, LWZ14]. Karam [Fos93b].
Katzan [Gon77]. KCM [BBD+89].
Keeping [Wil83a]. keeps [HLS05]. Kendo [OAA09].
Kenneth [Mil77b]. KENSUR [ABL+80].
 Kernel [CKmWH16, DKD+15, LCL+16, BK05, Cop78, FBG12, HDK+11, LLL+13, OC78, ST03, SA88a].
Kernel-based [CKmWH16].
kernel-independent [SA88a].
Kernels [LJF+16, FFM11, PTG13, SC92, SKC+03].
 key [BMA00, GCG+14, LF99]. key-value [GCG+14].
Keynote [Est02, Wil83b].
keys [ML05].
KickStarter [VGX17].
Kill [KTG+17].
kilo [Kuck].
kilo-instruction [CMLV04, GHKM11].
Kilo-NOC [GHKM11]. 
Kim [Lan90b].
Kinetic [HNP15].
Kluwer [All92, Bit89, McD88, Par88a, Tak88].
KMP [TTMH80].
KMP/II [TTMH80].
knobs [HSC+11].
knowing [DK17, Muk97].
knowledge [LWLZ12].
knowledge [ML05].
Kill [KG89].
KMP [TTMH80].
KMP/II [TTMH80].
knowing [DK17, Muk97].
knowing [LWLZ12].
Knowledge [BBD+89, MKM+83, WW89, YI86].
KORA [Kha97c].
KORA-2 [Kha97c].
Kosko [Lev92].
KPN2GPU [BK11].
Kuck [Bow79, Mud80].
KVM [DN14].
KVM/ [DN14].
Kyushu [MFST88].

L [Mad94a, Par90, SAB+05].
L2 [TASS09].
laboratory [BA74, VR73, WE74].
LADM [RF888].
LAN [VFHD97, WH97].
Lane [KCE12, RE13].
Langdon [Hol83].

Language [Col90, MAHK16, Mil77a, ZWSM15, Bec95, BCL82, CO82, Das77, Das83, DBM08, DP80, DMB87b, DP98b, DP98a, EG97, ECX+11, FL76, HTCU01, HFWZ87, HFJ11, KB76, KMC02, KB80, Las89a, LKO+14, LCS+10b, McK74, McI85, PqG890, PP82, RL14, SRSW14, Sav85, Sch73a, SBRP11, SV74, TKG+02, WP87, WCG14].
language-level [WCG14]. languages [ABL+80, Ber74, BD84, BKC14, CF82, DO82, Est02, Feu76, Hll83, JMK+08, JS73, Lar82, Ris76, SV82, Sr75, TM80, Tre80, Van81, Wir87, Woo14, Hl91]. LAP [CZS+16].
LaPerm [WSY16]. LARD [WCG14]. Large
[BGH+08, CASM06, Mil77b, SCU+14, WHZ+17, AS92a, BTW77, CY96, FTP94, FK83, FSS73, GKLS83, GHKP89, GW88, GWV89, HSH96, HIM+05, HH93, JKDO9, Joh92, KTMY91, Kap87, Kha99a, KW84, KR80, LKL+02, LAS85, LCG+14, MPT91, Mar00, MBK90, MM87, Muku79, MB07, NNS+90, NP90, OT86, OCBL12, PCC+14, RSG93, SRWB14, SPHC02, Smi14, Str83, SB77, TD91, TFWS03, WW89, SBK77].

Large-Scale
[Mi77b, SCU+14, WHZ+17, CY96, GW88, GWV89, Joh92, LCG+14, MPT91, Mar00, MBK90, NP90, OT86, PCC+14, RSG93].
largest [CJ01].
last [DK17, CZS+16, GCS11, LF00, SKD+10, WKJ12, YE09].
last-level [GCS11, SKD+10]. last-touch [LF00]. last-write [WKJ12]. Late
[SRE+07, QD99].
Late-binding [SRE+07].
Latency [GAR+05, HhEH+15, JHK+16, LWB08, MWM04, ZE16, BR92a, CP11, CJ01, DMM10, DB07, FCP92, GGH92, GHG+91, HASA14, IMK+13, JVF13, KS14, KDO06, Knc96, Kn01, KHS+97, KJC06, KHC92, La98, LCG+14, Lu01, Llc98, Mac98, MVCA97, MHS+03, MKKU03, NMB92, OSKA14, PGV05, RSPO5, SH92, SGK+04, SSR+13, SC05, WGO+13, WSM96, YCT05, ZM16].
Latency-Critical
[ZE16, KS14, LCG+14].
later tolerant [FC92].
later bandwidth [MHS+03].
later [Laf04, May82, PT11].
Latin
[KPK89]. lattice [Mar00, SKS+13, TGP10].
Lavington [Tan78]. law
[JM12, AGS05, Bre10, EE10a]. layer
[GKU09]. layered [PED+08]. layout
[CM00, Lm99, RBG+01, XT96]. Lazy
[KCZ92].
LDF [Kap87].
LDX [KKS+16].
Leading [CR94]. Leak
[BM90b, BM06, HC04]. Leakage
[Mu809a, TK07, DMWS12, FKM+02, GIS10, HBA02, KHM01, LN07, SFS04, ZZP04].
leakage-biased [HBHA02].
leakage-energy-reduction [SFS04].
Leakage-saving [Mus09a]. learned [BS76, BS98b, BS98a, Kar07]. Learning [CY06, IMMC08, LCCZ17, LCL+15, LPSZ08, SOM+08, SLTC16, CDS+14, TJCC88].
Learning-Based [CY06].
length [Fra83, IS92, JSN98, PN77, RL74b, SKB09, TW77, VHL73, Sez05]. Leopard [AMB87].
less [BNE16, PDL15, WN14, DB00]. lessons [GC86, Kar07]. let [KBG97, HL15]. Letter [Har74].
letting [AC09]. Level [ASR+17, AOM+14, BCSB11, CFA04, Co90, D’H16, Mil77a, PGS04, PCC+08, SOM+08, SOD+14, TIVL05, TM14b, BW88, BW98a, BW98b, BM91, BBFP06, BDMF10, BD84, BMP+04b, BTM00, BK90, CG91, CZS+16, CG89, CCEH00, CBS98, DD90, DF92, DG99, DP80, DP98b, DP98a, Eij90, EPCP98, EE14, FTMM99, FURM00, FL76, Fra86, GCS11, GUK09, HANR12, HDT+13, HK09, HS74, JW89, JW94, JSN98, KDM+98, KB76, KS02b, KSL+12, KSA03, Lar82, LS12a, LKO+14, LJF+16, LYBC88, MEV92, MPH12, Mt02, McD82b, NH97, NK86, NK01, Par02, PP82, PGTM99, PT10, PT03, PHH89, QFLMK10, RRT+08, RLIC06, RLW94, RLW98a, RLW98b, Rls76, RV07, SYL13, SL88, SLT02, SCZM00, SCH+91b, SKD+10, Snr07, SLSN14, SV74, TTMH80, TSK+83, TSN+86, Tre80, Uht93a, Uht93b, UZ91, Wai91, WBL89, WQJ92]. level [WY05, WCG14, WCF01, XLWZ15, YLHL10, YP92, YP98a, YP98b, YE09, YKL+16]. level-two [WQL92]. levels [DC09, Lee73, Reg76, SM14, Tho13a, YP93].
Leveraging [AJL14, GWSU12, HS16, SOM+08, YLHL10, BT13, GPV04, HT14b, JL16, KKK14].
Lexington [Sac83]. LFTHREADS [GP08]. LGDG [DG90]. Libraries [MM14b, LYBK11]. Library [BFA+15, JPT14, Fax08, GP08, MMR+13, PBWH+11, TGP10]. LIDE [PGSP00].
lifecycle [CMR+12]. Lifetime [SZBP08, SABR04, SABR05, ADS+13, ZNF+16].
Lifting [HS16, MMP+12]. light [HS86, SD10]. light-weight [SD10].
Lightweight [CKmWH16, HSKS15, HH08, KKK+17, KMK16, KKS+16, MCGL17, YLP+99, dICKK15, GSS05, VTS11]. Ligure [ACM95]. like [AZ89, Wil83a, SV82]. likely [SCGA13]. limit [ASP+03, DZZ+14, YKL+16]. Limitations [TE93, AF73, BGK96, Dan93, GSU11, KP03].
Limited [Su74, OT86, Pias13, SH01, SYP+14].
limited-precision [SYP+14]. Limiting [DGMB07]. LimitLESS [CKA91]. Limits [KTC00, LW92, SJH89, Wal91, LB08, PGTM99]. Linda [KACG88]. Line [FAY83, HTM15, AAM76, AK00, CG95a, CHK+12, Fis86, HASA14, OM94].
line-based [CHK+12]. Linear [Bak94, Jim05, Don83, Don85, Don88, Don90, Don92, GSZ90, HGS+16, JD88, RV84, Tri80].
linearly [FM84]. lines [OPZ11].
linguistic [TTMH80]. link [KR85b, SC05]. linked [RS99].
Linking [ADP+15].
Links [KSL08, EST89, LHL+89, NOK+83].
Links-I [NOK+83]. LINQits [CDL13].
Linux [DN14, PTS+11, ST03]. Lipovski [Sac83]. LIPP [ED83]. LIS [HH83].
LISP-execution [SDP85]. List [Ano82, ATHM86, PT86, SCP80, SCP+82, SDP85]. list-directed [SCP80, SCP+82].
list-processing-oriented [ATHM86].
literature [Cha78b, Hak85, sta79, sta80a, Sta80b].
Litmus [LWPG17]. little [CDL13, DHR+90]. live [GKT13]. Lived [LCL+16].
lo-fi [MMP+12]. Load [DET00, GAR+05, PCC+08, Rot05, YCT05, AAD90, BJR+99, BYG+00, CT08, GLM13, KMVS12].
LS96, LLC98, OKY+16, RPSV07, SRE+07, SDGT03, YERJ99, Zha01, ZMMT16.

load-address [BJR+99], load-balanced [SDGT03], load-balancing [LS96].

Load-store [DET00], SRE+07. Load/Store [PCC+08, AAD90]. Loading [HL15]. loads [CS99, CWT+01, FJ94, HHL16, YCT05].

Local [KLD17, SKCY16, THNM14, CYL99, HS80, Hol89, MD88, SHA02, TF79, TSK+83].

local/remote [Hol89]. Locality [KKT05, KKP14, LSL+12, CDY17, KKD13, SCJLW01, SSK17, WCL17, CM00, Joh92, KW98, KKD13, LL00, LW07, PSG06, SLcC12, SCJLW01, XDLB13, ZYG00, ZFC03]. Locality-Aware [LST+17, KKD13, SCJLW01].

Locality-oblivious [KKP14]. localization [SCGA13]. localized [MSCS13, UMB+12].

locally [IM02]. Lock [GMT16, Bri87b, GP08, HM93, RG02, ST08].

lock-based [RG02]. Lock-Free [GMT16, GP08, HM93, RG02, ST08].

lock-variables [Bri87b]. locking [Wal89].


Logarithmic [Tab88]. Logging [IKK16, KKB+16, SGH93, VLW+11]. Logic [Bit89, Fer88, Hill91, HK89c, KBR98, NY14, Su74, ALM82, ASP+99, Bak94, Bie84, Chi89, GF01, GMT89, HW87, HBJ+92, MGS14a, NK86, RG91, SV87, SV98, Soh98b, ST87, UT83, WS84, WF87, YCT05]. Logs [YJX+16, YMX+10]. logTM [MBM+06].

Long [Fis83, KJC06, BK91, BKW90, CGL89, CWT+01, Fis98a, Fis98b, KGS16, OCCK03, OCL90, RSF11, SBV91].

Long-latency [KJC06]. long-range [CWT+01]. long-running [KGS16, RSF11].

longer [XHB06]. Look [McL91, And90, CD77, EWN05, Mas87, SK04]. Look-ahead [McL91, CD77]. lookaside [BRGH89, CFG+13, FPF+92]. Looking [ECX+11, Ill87]. lookup [SHBS14]. Loop [BC90a, CSBA17b, LR77, CZS+16, CM00, DHB89, GKO+00, HWI+11, KPP96, NMB92, OKJ+13, RL74b, RL76, UZU00]. loop-block [CZS+16]. looping [Ulm98].

Loops [CHM08, BG84, HA90, LS96, TYZ90].

loosely [Bnu84]. lossless [Bur06]. LOT [UMB+12]. LOT-ECC [UMB+12].

Low [HC04, HTM+05, KDV11, KSN07a, LSSG05, LW+06, LLC98, MMW04, SH92].

WGA+08, WCG14, CG95b, C14, CKS16, CDY+17, CK92, DMR+11, Dev90, EKM04, GDN+16, GSM06, GIS10, IMK+13, JZY14, KOAGP12, KC96, Kn91, KFN02, KHS+97, KR85b, LMLZ12, MPP+08, NS86, NSH+11, OSKA14, PP84, PP98, Pat98a, RWA+16, RPR06, Sez94, SCP+06, SLcC12, SB07, SHV12, TDF90, TSK+83, TSN+86, UVG12, WGO+13, WAC+10, YE09, YCM12, ZCX+14, ZLZ09, Mif87, Sho87].

low-cost [CK92, Dev90, KC96, SCP+06, TDF90, WAC+10, YE09].

Low-Latency [MMW04, SH92, IMK+13, KHS+97, OSKA14].

low-leakage [GIS10]. Low-level [WCG14, TSK+83, TSN+86]. low-locality [SLcC12].

Low-overhead [HC04, KOAGP12, KSN+11, PP84, PP98, Pat98a, RPR06, SB07].

low-power [LLW+06, DMR+11, EKM04, GDN+16, KFN02, LMLZ12, RWA+16, YCM12, ZCX+14].

low-speed [ZLZ09]. LReplay [CHCW10]. LRU [CP98, DSN07].

LRU-based [CP98, DSN07]. LSI [KS84a]. Ltd [Dor75]. LU [DD90]. Lx [FBF+00].

M [Dik90, Fos93b, Ful91a, WW12]. M. [Buc78]. M/C [CGB89]. M3 [AVN+16, JK77]. M3L [SCP80]. M68000 [WS90]. M68020 [KKC92]. MA [IEE06, Par90]. MAC [BS12a, BS12b, MS13a, MS13b, MS13c].

Mace [Par89a]. Machine [AK81, CRW+15, Lev92, LCL+15, RYT+87, Wag83, ALM82, ABC+95, ABC+98, Aga98].
ATHM86, ABKA85, Ano81, Bak91, BH78, BBD+89, BL+83, CDS+14, Con88, CSS+91, DCF+98, DO82, DGY89, DRR89, DM82, DDP85, DSM82, Dow87, Dow88a, ERT78, FL76, Fra86, Gis83, GS74, GGK+82, GGK+98, HHA83, Hii83, Hom82, HY85, HR78, ISKR86, JDL81, JADAD06, KONA82, KKC+16a, KW84, KBD+13, Laf03, LC02, LL14, McL90, MS80, Miy85, MKM+83, NK86, NKK+85, NOK+85, Nit89, PH85, Ros77a, RBC84, SK86, SKS+92, SDD+07, SC01, SA87, SA84, ST79, SB77, SV74, TNN87, Tan77, TH86, TKG+02, Tra85, TM80, Tre80, Uch83, UJ92, WP87, WY05, WHZ+17, WF87, YTY83, Yue81, YHN+86, ZWS14, AYA83, Fuj91, JK77, SBK77, NWD93, SGS+93. machine-based [ZWS14]. machine-code [KBD+13]. Machine-independent [RTY+87]. machine-learning [CDS+14]. machine-oriented [GS74]. machine-readable [Miy85]. Machines [GTS+15, HS06, BLA99, BBK76, Ber74, BC90a, CWdO+06, Feu82, Fis84, GL98c, HANN96, HSF96, HR+90, HW95, HH93, HP87, Jou88, JW89, LR93, LSS04, MMS14, NG99, Par95, Par75, RO93, Smo89, TJCC88, Tak87, Ter87, TBC94, TJS83, TSN+86, TP90, TLeC13]. macro [CLR03, HCW+10, SSS5]. macro-pipelined [SS5]. macro-SIMDization [HCW+10]. MacroSS [HCW+10]. MACS [BD93b]. Madison [IEE95]. Madman [HR78]. Magic} [Alv93]. Magnitude [BNE16]. Mahler [WP87]. Main [AW17, AMH+16, Dor82, ES05, AKSD16, CS11b, CLX+16, DMR+11, DGM80, LLD+04, Mac96, QSR09, YE10, ZZY90]. Main-Memory [ES05]. mainframe [EKW80]. maintaining [AV10]. maintenance [Lin76, LSS04]. makes [EPCP98]. Making [BDLM07, NKRL06, CCA+11, Dre94, DMT13, HCBS04]. malicious [SWL10]. Malacle [KWXB17]. malware [CWdO+06, DMS+13]. MAN [NK86]. MAN-YO [NK86]. manage [APT90, GPV04]. Managed [MAHK16, BLAA99, CBFM12, CFG+13, HR00, NUS+93, SW87, WL+14, WK90]. Managed-Language [MAHK16]. Management [AW17, BL17, DM06, GNB15, GSN05, HJrCH16, HP+15, LIN+06, Mad94b, MRG12, MBS16, PPM13, TL08, XLWZ15, ALE90, BCZ90, BM09a, BTP+11, Bra77, BC04, CTW+13, CRM91, DFF+13, Dav80b, DK14, ELM11, GSS+74, GZK+07, GSKF03, HCD+94, HS85a, HCG+06, HH93, IMK+13, JnWH97, JSAM10, KTMY91, Kro83, LLD+04, LZZ+07, LLC+14, LDK14, MSB+11, MPM14, NMZ12, New92b, New92a, PMA+13, Phi84, PHB14, PCH+82, QM91, RRT+08, RBW09, RTY+87, Req83, Ros77a, SSD+13, SA10, SHV12, Tak87, TL00, WDC+16, YBM13, ZPS+04]. Managing [DLSW76, DS02, KZ+12, SSZR05, BDA03, GJJ+11, GKL+13, LZC+13, SBIS11, SKI08, ZELV02]. ManArray [PP03]. Manchester [Cha92, Tan78, SK86]. manifesting [GZC+11]. MANIP [WLY84]. manipulation [LLF03, Tob80]. manipulator [MS08, MS82]. Mano [Buc78]. manual [NMZ12]. manufacturing [KMOA07]. Many [HhEH+15, AKJ+09, CCH+87, DIY86, JLZ09, KCE16, MLCW11, MšT07, Mat91b, MTP12, Mus09b, ZSHG07]. many-core [AKJ+09, JLZ09, KCEO16, MLCW11, MšT07, MTP12, Mus09b, ZSHG07]. Manycore [BMF+16, BS08]. Manycores [AVN+16]. Map [JPT14, FFM11, MT13]. Mapped [Zha06, AP93, BLA+94, BLA+98b, BLA+98a, Jou90, Jou98a, Jou98b, WQL92, YE09]. Mapping [AWAG15, BCDO17, EW16, HSBA16, LBvH06, MS87, DZC+13, FKBS11, GH88, HG97, HEK+16, Kuh80, La98,
[Mus09b, SAL+05, BHBL87, DCS+14, Mus09a, SWC+95]. **Mesh-based**

[Mus09b, Mus09a]. **mesh-connected**

[BHBL87, SWC+95]. **Message**

[Ano04c, Ano04d, Ano05c, Ano05e, Ano06b, Ano06c, Ano08c, Ano08d, HWC91, KBS84, LR77, BCG14, Bra77, DCC+87, DCC+98, DRN89, FAB+96, GYV90, GH88, HHSI93, KD06, KL94, MGH+96, PH88, SK85, SHI92, Wit76]. **message-based** [SK85].

**Message-driven** [BHBL87, SWC+95].

**Message-passing** [HWC91, FAB+96, GH88]. **messages** [RL74b, vECGS92, vECGS98, vECSG98].

**messaging** [KC95, Las91]. **Messina** [Ful93].

**meta** [CCEH00]. **meta-level** [CCEH00].

**Metadata** [DHR+15, KDL+16]. **metal** [GAH+12, OSK15]. **MetaTM** [RRP+07].

**MetaTM/TxLinux** [RRP+07]. **Method** [MKM16, LLF03, SCU+14, TM14b, ZAI+16, BDH+99, CTW+13, DSOF11, Ili87, LCED01, Mat92, MS07, PvGS90, SKS+13, Tho12a].

**methodological** [WOT+95]. **Methodology** [Asl84, CS94, Che92, Kha95a, Kha99a, RCL73].

**Methods** [BS06, Gau85, BGM04, Chr90, Ej90, GSZ90, Kum87, MT97, ON90, OM94, Sin92b, Tho11a, WJMC04].

**metric** [DMWS12]. **METRO** [DCB+94].

**Metropolis** [Wak81]. **MGS** [YKA96].

**Michigan** [IEE84]. **Micro** [BKSO05, Da89, SCN+10, Wit76, Fos72b, FSS76, KMS+12, Maz77].

**micro-architectural** [KMS+12].

**Micro-Architectures** [BKSO05].

**Micro-optimization** [Da89].

**Micro-pages** [SCN+10]. **microarchitectures** [HBT1L11].

**Microarchitectural** [KTS+13, SZBP08, LB06, LB08, PV03, SK13, WHG07, YK05].

**Microarchitecture** [CFA04, Emm06, KDTG05, SV05, AMPH09, DNS95, KSO2b, MKKU03, OSKA14, SSH+03, WJ98, WWFH03].

**microarchitectures** [AHKB00, HC88, KFM05, SL05].

**microbenchmark** [BO01]. **microcode** [AAP76]. **microcodable** [Har86].

**microcode** [ASH86, BZ87, BS74, Jon83, Lar82].

**Microcoded** [KSO08, BC90a, DFT86].

**Microcoding** [HB86, LM76].

**Microcomputer** [Ben82, Sac83, Che84b, KM74, RM77].

**microdrivers** [GRB+08]. **Microelectronic** [ABC+94]. **microfluidics** [ATV+07].

**microkernel** [TOL+11]. **micromachine** [Mu95b].

**Micromodules** [Coo73].

**micron** [CCS87]. **micronetworks** [Lip77b].

**Microprocessor** [DBK+02, Nut77, TLM+04, WEMR04, AA82, AP76, BCL82, Che92, Dav80a, DM87, DMB87b, DMB87a, FGVG13, HP02, HPU+16, HS84, HC88, KKK76, MBB+03, MFF+89, MBB+93, MBB+94, NBO96, OMB91, OCF00, OCL90, RvD77, RZ80, SCP+06, SEI95, Wid76].

**microprocessor-based** [RZ80].

**Microprocessors** [Ful91b, LKM+05, Pat06, SABR04, Zak77, AZ05, AL74, Bas77, BFAJ93, BGK96, CGL92, Lin81, Lip78a, Sch77, Ste88, TA03, WOR96, WJMC04].

**Microprogram** [JK77, FM76].

**Microprogrammable** [Coo73, NKS86, HvDJI80, TSK+83].

**microprogrammed** [Arm74, Ker74, MM83, Zak73].

**Microprogramming** [Gon77, FM76].

**Microsequencer** [Dvo90]. **microthreading** [CSK+99].

**microthreads** [CTYP02]. ** middleware** [Nak01].

**migrating** [KST11]. **Migration** [KGS16, CWS06, CS99, CSM+05, DVT12, Hol89, MS02].

**migratory** [CF93, SB93].

**military** [ME78, Sal76].

**Mill** [God13].

**Miller** [Ful91a].

**Milner** [Dik90].

**Milutinovic** [Col90].

**MIMD** [BHBL87, EGK+85, GGK+82, GGK98, HRC+90, Joh88, Jor83, KTK+86, MS80, Phi84, RS84].

**Minerva** [RWA+16, Wid76].

**mini**
[Adl73, EKW80]. **mini-computer** [Adl73]. mini-sized [EKW80]. minicomputer
[Keh76, Rad82, VHL73]. minicomputers
[KC74]. minimal [CSS+91, HRW09, HP86, HP98, mWHP98, Jon88a, KS95, MPP+08]. minimalists [MC92]. minimize
[AT11, GH86, WS74]. Minimizing
[MZLH15, DD80]. minimum [Rou86].

**Minneapolis** [IEE81]. Minnesota [IEE81].

**Minos** [CC05]. **MIPS**
[CH87, CKDK91, SD09, UC94]. MIPS-X
[CH87]. **MIRA** [PED+08]. **Mirv** [FTM99].

misconfiguration [ZRZ+14]. misleading
[Cit03]. mis [AP93, BVGL00, CS06b, Quo94, TASS09, YCT05, ZPS+04]. Misses
[Zha06, DSR+93, GBHS14, HKE+16, LKL+02, LBL02, ST03, TX96]. Missing
[SPN96]. Miss**PECulation** [Cit03].

mistakes [LPS08]. Mitigate
[KSCK17, MDS12a]. Mitigating
[AGS05, YMM15, MHHK+13, RLCV10].

**MITTS** [ZW16]. **Mixed** [WCS09, GSS12b].

**Mixed-mode** [WCS09]. **ML** [Dik90].

**MLC** [HASA14]. **MLP** [QLMP06].

**MLP-Aware** [QLMP06]. Mnemosyne
[VTS11]. Mobile [KHG+17, LjDl+16, APX12, APX14, CLM07, LHG+16, LZW14, LRS+12, MLN+12, RLCV10, SRSW14, YCMR12, ZR14]. Mode
[SLG+05, De 81, TLD14, TM11, WCs09].

**Model**
[AHK08, AM06, CKmWHL6, CDG+17, HVML04, KS04, LWPG17, MZLH15, TML+17, Bak91, BKS+94, Che90, DSH+10, FHM+11, GCN+10, GN92, GN98, GMS06, HK09, HK10, JB76, JB97, KBSS84, KDP92, KJT+10, LCWM08, Lor90, MMNBR07, MJ89, NEEJ12, Ni98, Nik09, OCS98, PS77, PS98c, PA88, Quo94, RFS88, SA92, SAR99, SP98a, SMN+11, SL05, SHK+11, TWC+10, UT83, WMW09, WWC+14, Y186].

**Model-based** [MZLH15]. **Modeling**
[AS91b, Ant91, EBS+04, EE10a, SS98, SH91, TAM+08, Afz95, BTS+11, BD93b, EE10b, GB87, IMC+06, JW95, LB06, LZZ+07, Rid87, ZA98]. **Modelling**
[Nad88a, Nad88b, TBL12, Bec95, KB76].

**Models** [BKL+16, LCCZ17, SS85, BJ14, BF73, BC90b, GGHH91, HHHB+14, LCENT01, LSF08, NCLJ09, ZB92]. **Modern**
[LSL+17, SDB+15, FA+12, HMM96, KS12, LJK+13, Sib07]. modes
[CCH+87, DMR+11]. **modification** [Kep91].

**modifications** [GB87]. **modified**
[MAL01, MM14a, Wan01]. **Modular**
[JK77, KNPO6, RV84, SJ86, AJ77, Den03, DV87b, KMC02, MPJ+00, Ru90].

**modulated** [CJK+05]. **module**
[KHC92, MM83]. Modules
[FFS73, HS74, MGSZ76]. **Moguls** [SHK+11].

**Mojim** [ZYM15]. Molecular [FPL15, GB01, MScS13, SDD+07, WZL+16, Win08].

**Molecular-Size** [FPL15]. Mondrian
[WCA02]. **monitor**
[CBK88, Hu85, MR90, MK05, YLP+99].

**monitored** [OQ91]. **Monitoring** [CKS+08, Ebe02, RSA+15, SH92, YJX+16, GVC+10, JADAD06, MDS12a, NG09, VGK+10].

**monitors** [MS182]. monolithically
[BSK+10]. Monsoon
[PC90, PC98b, PC98a]. Monte
[CTW+13, SL05]. MonteSim [SL05].

**Moonwalk** [KZVT17]. Moore [Bre10].

**Morning** [Su74]. Morphable [QFLMK10].

**Morpheus** [TZZ+16]. Morris [Buc78].

**mortar** [KMOA07]. Morton [LW07].

**Morton-lyrid** [LW07]. Morton-**order** [LW07]. motion [RWB09]. Motorola
[Afz95, Gil80]. move [AL12, EP84, TW91].

**move-to-front** [TW91]. **Moving**
[Dal10, KE91]. **MP** [VSH01]. MPEG
[Kha99b]. MPEG-2 [Kha99b]. **MPSoC**
[FMB+07]. **MPTLSim** [ZYGP09]. **MRAM**
[GIS10, GGP+13, Wan01]. MS [AZ89].

**MU5** [Bra82b]. **MU6** [EK880]. **MU6-G**
[EK880]. **MU6V** [IC885]. much
[Bra80a, KJC06]. Multi
[BFS+09, CGB89, cCh91, CBS98, KTR+04].

**Much**
ABC97, AS96, BA84, CMC+91, CMC+98, CS80b, DNSD13, Dav80a, DC09, Dow91, Dre94, EP87, GW03, HKN+92, HS85b, HDP+90, mWH98, JSS88, KR85a, LGG92, Lee85a, MJW11, MSS+03, Mar82, NUMS94, OPZ11, PS88, PAVT16, RL74a, RBS00, RF90, SWY10, SA92, SP89, SJH89, Tho13a, TtLC13, VE14, WCT98, WG89b, WJMC04, YM11]. multiple-API [NUMS94].

Multiple-banked [CGVT00].
multiple-banked [SA92]. multiple-context [LGH92]. multiple-instruction [mWH98].
multiple-context [CGVT00]. multiple-FPGA [YM11].
multiple-context [CGVT00]. multiple-instruction [mWH98].
multiple-context [CGVT00]. multiple-issue [AZ05, AS96].
multiple-context [CGVT00]. multiple-precision [JPT14].
multiple-context [CGVT00]. multiple-processor [BA84].
multiple-context [CGVT00]. multiple-processor-array [Mic92].
multiple-context [CGVT00]. Multiprocessor/distributed [Miy85].
multiple-context [CGVT00]. Multiprocessors

[CTTC06, CS06a, CMR+06, JKT05, JKT09, KKS+08, LNR+06, LSH+89, SSZR05, SSt06, TT08, TKJ07, ZA05, AT11, AGS89, BSL08, BD93a, BM09a, BM10, Blu84, BM09w, BNA88, BR92a, BF90, CS89, CJK+05, CK92, CY96, CMT00, DFL05, D90, DN93, DB82, DS86, DS89, DS98, FB08, Fr05, GLL+90, GGH91, GGH92, GLL+98, Gha98, GSVP03, GV89w, GGV90, GSV95, Har91, HGC10, HT14a, HJL89, HGS+07, IKKM07, KEL91, KHN07, KADS04, LW95, LAS+07, LAS85, LS92, MPT91, MHS+03, MC92, MNS97, MBK90, MGBK96, Nad88a, Nad88b, BRA97, PP84, Pri98, Pat98a, PVAL5, Pri91, PZT02, PPR90, Q814, Rat85, RSG93, SGC+05, SD87, SHZ97, SA91, SMH92, SHV+98, SK10, Ste89b, SY89, TBG+97, TD91, Wah83, WM88, WS89a, WAFM07, Wil87, WM88, WZ14].
multiple-processors [ZK90, ZT95, Ber91b, Kry91].

Multiprogramming [GH76, CGL92, DI90, MP86, TG14, XJ+16].

Multiscalar [SBV95, SBV98, S89a]. multistage

[DS85, HJ87, KR85a, SS89, SK80, Ste89b, TYZ85, VR87, WL88]. Multitasking

[Hic77b, PPM15, PPM17, ELN89, QMT89, SMB10]. multithread [DSH+10].

Multithreaded

[KTR+04, ACC+03, BAD+10, BMBW00, BNS11, CL94, CGL92, EJK+96, GL98b,
HF88, JSMP12, JSMP13, LBE†+98, LC13, NPA92, PFV03, PDP+13, PT03, RCM+12, REL00, ST00, TE94, UZU00, VGK+10. Multithreading [PT91, SKA01, BR92a, HCD+94, IAD+94, Luk01, MWP07, MKR02, OAA09, PSG06, RM00, SW16, TSCH99, TEL95, TEE+96, TEL98a, TEL98b, VPC02, WLG+14, WW93, WCG+04]. \textit{MultiTitan} [Jou89], \textit{multivariate} [GLVC13]. München [ACM04]. MuNet [HW80]. Murli [Ful93]. Mushy [Wit16]. mutable [VNN13]. mutation [VE08]. My [Lee72]. Myers [Atk79, Gor83]. Myrias [BBZ88]. myth [KLC+10].


Network [GPY+17, HCJC06, HTM†+05, HSL17, HIT05, KSL08, KMVS12, LER†+17, LRN†+06, LR77, LLN†+17, Mad94b, MCK16, NZO†+05, RL†+17, SAKD06, SLTC16, TQC†+15, ZBBL16, AA86, AJH†+16, AKB†+89, BS87, BLS99, BDH†+99, BSR06, BSD87, BLA†+94, BLA†+98b, BLA†+98a, CG95b, CS13a, CLX†+16, CMP†+88, CKA09, DNSD13, DCS†+14, DSH†+94, DR91, DKCZ93, Est02, FFdDH00, GP88, GHKM11, HS80, HLC†+16, HCV03, yKPR02, KHB814, KMS†+10, KS91a, LH86b, LF82, MS80, MS82, MSZ09, MG91, MFHW96, NS80, NSI94, PPK†+09, PR82, RFS88, RWA†+16, RL74b, RL76, Rui90, SP84, SP85a, Sez86, SNM†+16, SKB09, SVC03, SM89, TF79, TGGS14, TLL07, WL88, YLT06, vIG80].

\textit{Network-in-Memory} [LNR†+06]. \textit{Network-on-Chip} [KSL08, DNSD13, GHKM11, PKK†+09]. networked [HSW†+00, Nak01]. \textit{networking} [SHM94, VGNV05]. Networks [IPWK06, KN06, KDOA08, LNA08, Lev92, MWM04, SAL†+05, APGP07, AMW†+10, AA11a, AS92a, AWV88, Ann91, AAEBAT98, BK11, BK91, BHL87, BAE89, BVR†+00, BG80, BC02, CSJC10, CES16, CK92, CH84, DMMD10, DS85, DCD†+94, EKM04, FWS2, Fra90, FAH83, GH88, GL73, GL98a, GCM85, HJ87, JM88, JMY89, JKDO9, KC02, Kha97a, KLI88, KC96, KDA07, KHS†+97, KDJ83, KRB85b, KMVS12, LH991, LWW84, LC02, LN91, Lip98, LDT†+16, MJW11, MBLZ89, MM87, MM09, NS91, NBKP95, NMTH10, OQ91, OT73, PW97, RHS96, Ros89, SC89, SS89, SH80, Sie77, SDGT03, Sov83, Ste89b, Tem10, TYZ85, VR87, WGO†+13, Wit76, XYM12, Yok94, YA90, nZY84, Mar88, Pen88].

\textit{networks-on-chip} [AA11a, MJW11, WGO†+13]. Neumann [AI83, Ian88, Nik89]. \textit{Neural} [FUL91a, GY†+17, Lev92, Mar88, RLD†+17, SLTC16, AJH†+16, AW88, CSJC10, CES16, CLX†+16, Fra90, GP88, GH88, HLM†+16, Kha97a, Lip88, LDT†+16, NMTH10, RWA†+16, SNM†+16, Tem10, Pen88].

Neurocube [KLC†+16b]. \textit{Neuromorphic}
neuron [AJH +16, YM11]. neurons [Smi+14]. Neurosurgeon [KHG +17]. Next [AYQ +16, CG95a, CCA +11, Lee72, CH04]. Next-Generation [AYQ +16, CCA +11, CH04]. NHT [Fin+93].

NIC [HTM +15, YKD01]. NICE [Ulm+97]. NIFDY [CG95b]. Ninja [SK+12]. NJ [Ber+91b]. No [RRT +08]. NOBLE [ST+08]. NoC [KSL08, GHKM11, DCS +14, PDL +15, YL16]. NoCs [KKP+14, PWA+13].

Node [Emm+06, LSS+04, RSG93, TGS+14, VSM +07a]. nodes [NMS +12, TAV+10]. NoHype [KSRL+10]. Noise [PV+04, PV+03].

non-blocking/lockup-free [BK96a, BK96b]. non-critical [LZC +16]. non-determinism [SK+13].

Non-Deterministic [LL+96]. non-exact [TZH +13]. non-interfering [WGO +13].


Non-redundant [Che+77]. non-software [Mc+77]. Non-SSD [JCSK+14].

Non-uniform [KBK02, SA+92]. Non-Volatile [AMH +16, YNQ+15, ZYS+15, CCA +11, NMS +12, VJ95].

nondeterminism [HBCG+13]. NonStop [HH+90]. num [KKN+00]. NUMA [BSF +91, CSB+17a, DFF +13, FW+97, GTS +15, LL+14, LC96, MNL+97, NDB +14, SKJ +17, SGJ+92, SC+05]. NumaGiC [GTS +15]. number

[DSG+11, Fis+84, GSS+12b, Joh+04, MS+12, Se+96, SGS+11, TS+90a, VLL +92]. numbers

[CS11a, FTP+94, MS+10]. numeric [CLS+13, LWS+75, PSL+80, Zak77]. numerical [Che+90, GRRT+84, HRC +90, MS+76, NNN +91, PB+80]. NV [CCA +11].


null [KKN+00]. O [Aic+92, AAZ+89, ACK+94, CP+96, Coc96, Ebr+96, Fin+93, GAH +12, HY96, HIT+05, JSW+93, JCS +14, Kat+89, KMN+16, L93, Lun+75, MABY+15, NNS +90, PM+92, RB+90, Red+92, SBQZ+14, Se+05, SD+90, ST+94, Sm+89, SKS+88, TOL +11, TtLe+13, V+94].

[50, HNT+11, KKC +16b]. neuron [AJH +16, YM11]. neurons [Smi+14]. Neurosurgeon [KHG +17]. Next [AYQ +16, CG95a, CCA +11, Lee72, CH04]. Next-Generation [AYQ +16, CCA +11, CH04]. NHT [Fin+93].

NHT-1 [Fin+93]. NIC [HTM +15, YKD01]. NIFDY [CG95b]. Ninja [SK+12]. NJ [Ber+91b]. No [RRT +08]. NOBLE [ST+08]. NoC [KSL08, GHKM11, DCS +14, NCL+09, PDL +15, YL16]. NoCs [KKP+14, PWA+13]. Node [Emm+06, LSS+04, RSG93, TGS+14, VSM +07a]. nodes [NMS +12, TAV+10]. NoHype [KSRL+10]. Noise [PV+04, PV+03].

non-blocking/lockup-free [BK96a, BK96b]. non-critical [LZC +16]. non-determinism [SK+13].

Non-Deterministic [LL+96]. non-exact [TZH +13]. non-interfering [WGO +13].

Non-Invasive [BSAD+04]. non-numeric [CLS+13, LWS+75, Zak77]. non-numerical [GRRT+84]. Non-Preemptive [CYMT+16, CYG +17]. Non-race [HHS+13].

Non-redundant [Che+77]. non-software [Mc+77]. Non-SSD [JCSK+14].

Non-uniform [KBK02, SA+92]. Non-Volatile [AMH +16, YNQ+15, ZYS+15, CCA +11, NMS +12, VJ95].

nondeterminism [HBCG+13]. NonStop [HH+90]. num [KKN+00]. NUMA [BSF +91, CSB+17a, DFF +13, FW+97, GTS +15, LL+14, LC96, MNL+97, NDB +14, SKJ +17, SGJ+92, SC+05]. NumaGiC [GTS +15]. number

[DSG+11, Fis+84, GSS+12b, Joh+04, MS+12, Se+96, SGS+11, TS+90a, VLL +92]. numbers

[CS11a, FTP+94, MS+10]. numeric [CLS+13, LWS+75, PSL+80, Zak77]. numerical [Che+90, GRRT+84, HRC +90, MS+76, NNN +91, PB+80]. NV [CCA +11].


O [Aic+92, AAZ+89, ACK+94, BBH+94, CP+96, Coc96, Ebr+96, Fin+93, GAH +12, HY96, HIT+05, JSW+93, JCS +14, Kat+89, KMN+16, L93, Lun+75, MABY+15, NNS +90, PM+92, RB+90, Red+92, SBQZ+14, Se+05, SD+90, ST+94, Sm+89, SKS+88, TOL +11, TtLe+13, V+94].
OF/W [LN75]. Object-based [Kar95, LFH03, NWB+15, RC80, CRM91, DK85, GC86, Go84, HB86, Hya93, IT84, JMK+08, LLF03, NKS86, ON12, SK04, YHF03].

Object-based [RC80]. Object-Bounded [NWB+15]. Object-oriented [Kar95, LFH03, CRM91, GC86, HB86, Hya93, JMK+08, LLF03, NKS86, YHF03]. objects [CCA+11, ES74, GPR87, GSR93, MK84, TZZ+16]. Oblivious [FRK+15, LHM+15, KCW+09, KM10, KKP14, RYF+13]. obvious [WM95].

obviously [MDS90]. Ocean [LC93]. OceanStore [KBC+00]. Oct [Har74].


offloader [NMS+12]. offloading [HEK+16]. offs [MS07, NLS88, SEI+95, SPM+06].

OHMEGA [NNN+91]. old [Bat72, MPH12]. OLTP [ATT+13, KPH98, KADS04, TS90b].


On-Chip [ACAT16, JPL08, KNP06, KDA08, LNA08, MWM04, PED+08, BT13, CHZ+11, CJ88, DMDM10, DJPK16, EPR8, FaR89, HS84, JW94, KK08, KBK02, KN9+07, KM10, KFN02, MDS+11, MVD11, MPSV06, MM09, NUM94, OPZ11, SLQK12, TGGS14, TEL95, TEL98a, TEL98b, VS92, WSY95, WO97, XYM12].

on-demand [NL14]. on-die [NSQ16].

On-line [AA77, OM94]. On-the-Fly [ZS15, ZJG+11, CWS06, Kep91, SZD+08]. one [DSF+09, Wan93, Bow79]. one-step [Wan93]. ongoing [Ano81]. Online [IH80, LABR08, TP15, BM06, DMS+13, LWV+10, LSS04, MSB+11, ROKB95, TASS09, TX09, VLGK+10, WMW09, WJMC04, YBMT13].

only [GS95, Hic77a, Rat85]. onto [FKBS11, LBH06]. Op [HK90, Bra82a, LV88]. op-code [Bra82a].

OPA [SV82]. OPAC [SC92]. Open [BMF+16, HLY+15, dLCKK15, BJL+13, BKB90, GC11, Nae85]. Open-Source [dLCKK15]. OpenCL [MTU+15]. OpenDF [BJB+08]. OpenMP [BO01, MM14b, NAAL01]. OpenPiton [BFM+16]. operand [CD82, Har79, OCB12, WSM96].

operands [Fon03, TW77]. Operating [DKD+15, Ram88, SHP+16, ABR01, ALB01, Bar82, BCL82, CGL+08, CDA14, Dav14, GKT13, GPV04, HDK+11, HKD+13, KON99, Kha99c, LAF04, LAH09, LJS+02, LWZ14, LR77, MMR+13, NUM94, NSI94, PS12, RRP+07, REL00, RO74, Ros06, WDA+08, ZELV02]. Operation [WGA+08, DSF+90, KMI+85, KKK76, Mat91b, SD87].

Operations [KK90, DSF+08, Dal89, Fen84, Hom82, HMMS96, JSBW93, KD06, See89a, See89b, SK92b, SK92a, SFS00, SA10, Tho10b]. operator [Pay78]. Opinion [KWF08]. opinions [FK80]. Opportunistic [GRH06, GVO5, YL16, BHS12, GAS16].

opportunities [Dav14, Mus90a, Siri01]. opportunity [MGBK96]. OPS5 [BAB88].

optic [FR87]. Optical [TM14a, CKA09, Dow91, KM10, LH88, LN92, NP95, Rui90, WZL16, XGC+16].

optically [FAYA78, KW11, WW12]. optically-connected [FAYA87]. optics [BDJ+11, GRD87].

Optimal [BHS91, Gut87, KS86, NUM94, RCM+12, SAL+05, YMST07, ABC97, ABSC98, BBBM94, Bra72, CJC90, HFFA09, HBJ+02, PHH89].

optimisation [AA11a, RCG1]. Optimising [UC01]. Optimistic [KPR+08].

Optimization [ASR+17, CMM95, D’H16, FRP05, GA01, KZVT17, MVH15, NZO+05, OSF+15, Rot05, AV10, Alb98, AMF09, BC90a, CE+12, DET00, Dal89, DSOF11, KPH96, LCC06, McF89, MTG+99, OKN02, OMB92, RYF+13, SDH+14, TL11, TAC08].
Optimizations
[CFA04, BP04, BTM00, DS06, KL02, KMC02, LRV91, LHE+13, LM99, MPS94, ON12, OA08, RBG+01, TASS09, VKI+00, WW13].

optimize [CM00, Kar89]. Optimized
[BHBL87, KK08, PA88, RAM+04, SBS93, SC05, XT96]. Optimizer [PBR05, BS74].

Optimizing
[BVGL00, CPV05, DHT15, IMMC08, LL14, RHR+17, Sch91a, SG95, ACRV12, BC04, Har82, HKM02, HC89, LQL12, SC90, VAV10].

optimum [HP02]. option [Fon03]. Options
[QD98, TTT10]. OR-parallel
[DRR89, ST87]. ORAM [FRK+15]. ORB
[OUY+13]. orbiter [Sat74]. Orchestrated
[JKM+13, RSEW04]. Orchestration
[FKBS11]. Order [KS04, TP08, AIO+11, BM14, CMLV04, HX97, HHS13, HP87, JSL95, Lee85a, LW07, MTZ13, NEEJ12, SW16, SL05, SD90, XDLB13].

order-sensitive [HHS13]. ordered [GB74].

Ordering
[CL04, LSMB16, vPCCR06, AH90, AH98a, AH98b, BMW09, DCS+14, GLL+90, GLL+98, Gha98, LNRG12].

orderings [Jon08]. Orders [BNE16].

ordinary [AS92b, VJ99]. Organization
[CSSP87, GCO+04, WBL89, BC91, CM80, DJ09, Kro98a, Kro98b, KKP14, Nad88a, New92b, New92a, UMC+10, VBE92, Ram78, Co88].

organizational [Jon89].

organizations [EP88, FTP94, HS77, HS93, Nad88b, RB89, Red92, SG83, SSR+13].

organizing [LAK09, PJDL06]. oriented
[ATHM86, ABL+80, CBC+08, CRM91, DK85, Gai83, GC86, GS74, Gra91, HB86, Hea76, HS13, Hir86, Hya93, IT84, JMK+08, Kar95, LLF03, LFH03, MF76, Mye77, NKS86, SM77, Slo74, SEE74, Wel76, YHF03, ZSL10].

Origin [LL97]. origins [HLR98].

orthogonal [HDP+90, SC89].

orthogonal-access [HDP+90]. Orthus
[HDS10]. OS-level [XLWZ15]. OSck
[HDK+11]. other [Bra82b, Hil83].

out-of-core [TBC94]. Out-of-Order
[TP08, HX97, AIO+11, CMLV04, HP87, JSL95, MTZ13, SW16, SD90]. Outlier
[HTM15]. outline [CHJ83]. Output
[KC74, Che90, McD77, PAVT16].

OUTRIDER [CP11]. Outstanding
[LSB15]. overall [Joh04]. overcome [ON12].

Overcoming [KP03, SGH93]. Overflow
[SDLR+15, Ino05]. overhead
[CG95b, CJO1, HC94, JH94, KOAGP12, LW95, LAS85, MCA97, NSH+11, PP84, PP98, Pat98a, RP85, RRP06, RSP05, ROKB95, SSB07, SHV12, WR84, YL16].

Overheads [KSC17, KZT05, DI90, LKY+00, MHIK+13, NSI94]. Overlapped
[DHB89]. Overlay
[EW16, JLFM15, LJF+16]. Overshadow
[CGL+08]. Overview
[PSR05, BS74].

Packard [HC95, JWX17, KZT05, DI90, MP86]. Pair
[MCXS16, BC02]. pairwise [IBC12]. Pallas
[HABZ17]. Palo [IEE79]. Pandore
[APT90]. Panel [vT89, DSF+90, DHR+90].
HCD+94, Hil13, IAD+94, Kav81, Mud96. paper [Lun75, Mac99]. Papers
[Lei91, BGP+01]. PAQ [JWK12]. paradigm [FS92, PPA+13, TL00, VFK+04, VSM+07a, VSM+07b]. Paragon [DK13].

Parallel [YFPR07] Parallel

All92, BGP+01, Ber91c, BFA+15, Bit89, BABB88, Cha92, Fu93, GFT+15, GFN86, HJrCH16, Hib80, Hi91, HCL15, HK90, JWB93, JWB94, Lan90a, Le91, LHPL87, LN92, Mar73, McG78, Mil77b, Par88a, PKB+16, RP85, Rui86, Sav85, SBK77, TS90a, Vra78, YMM15, vdH90, AS91a, APP+14, AS92a, APR89, AR89, AFN90, BM91, Bat80, Bat98b, Bat98a, BBH94, BBZ88, BF87, BWJ+90, CL09, CLVW93, CPdM+96, CO82, CCC+88, Cha90, CKnuWH16, CSY90, CAD09, CG92, CL09, Con88, CB93, CKHM93, DD09, DM91, DRR89, DESE13, DJT94, EK88, EK98a, FDS7, Far05, FR89, FFM11, FR87, FHH+89, FKT+89, Gai83, GKF84, GAG88, GCH+10, GVC+10, GMT89, GKS1, GG+82, GG+98, HaK85, HW80, HF88, HJS86, HW87, HFH+91, HHSI93, HRC+90, HB90, HA90, HCC+88, ICT85. parallel

ISKR86, JSWB93, JDL81, Joe90, KTK12, KFGS84, Kap87, KP89, KM86, KL94, KSS+95, KBR98, L9F95, L888, LWC10, LR19, LR93, LV88, LMRS92, LS92, MT07, MT80, MM87, MFST88, MSS14, Nae85, NNS+90, NK86, NPA92, NOK+83, Nis91, Nut77, PPG90, PPS+12, Qu79, RCL73, RO93, RB89, Rd17, RS84, RA90, SJ1M14, SKC+12, SGG+85, SL92, Sib07, SSDK84, STV94, SWG92, SGS11, SS85, SGS+93, SG95, SPP97, SB77, ST87, SP87, Tad13, TY920, Tan83, TBC85, UCh83, UTS3, VGG+10, VGS85, WWY05, WWW+88, WK80, WSC92, YPD83, Yel09, Yok94, YW89, drBRC93, vT89]. parallel-disk [Yok94]. parallel-pipelined [YPD83]. Parallelism

BCSB11, CFA04, HheH+15, HPJ+15, JHK+16, MM08, OS03, SGS08, TMC+06, ABC08, AKD16, BDA03, BK11, BDMF10, BRY+91, CJK+05, CSS+91, D92, EE14, FFfDH00, FUH00, Fra86, FS92, GTA06, Har78, HDT+13, HK09, JW98, JK92, K92, KMD+98, KSL+12, KTCO0, KPR+08, Kumi87, KH07, LW92, ME92, MP91, NH97, Nt89, PGT99, RVD07, S78, Sur07, TPO06, TSK+83, TSN+86, TEL95, TEL98a, TEL98b, Uht93a, Uht93b, UZ19, W91, WRYS16, YKL+16. Parallelism-Aware

[MM08]. Parallelization

[BS06, RA90, S14, AC90, CBK+14, CMT00, GSM06, HGS+07, LSFK08, NIS94, PGRT01, RKM+10, SAS90]. Parallelizing

[LL93, NPF08, WDC+13, CO03, VW+11, ZWS14]. Paralog

[VGK+10]. parameterized [CM00]. parameterless [NL14]. parameters


[SGH93, LK91, MAD11, T012a]. Park

[MI77b]. PARSEC3.0 [ZB11]. Partial

[SKCY16, AR80, C08, GLH88, G81, JS88, MMH+95, RRP06]. partial-multiple-bus

[JS88]. particle [KW84]. partitioned

[DS85, FP+92]. partitioning

[BG80, CMB+13, D39, GL73, GL08a, HA90, KPR+08, Lip98, LPMZ11, SK11, SC90, WBKR13, XL09, XJK+16, ZA98]. Pascal

[SV82, W80]. Pascal-like [SV82]. PASM

[SSDK84]. Pass [Emm06]. passing

[FAB+96, GY90, GH88, HWC91, Kee79b, KD06, KL94, eHLL89, PH88]. Past

[Ber91c, Hey90, T03, Tha10, VPS01]. PASTIS

[TTCM12]. Pat [Goo88b]. patch

[VNN13]. patents [Pat88]. Path

[BG80, HABZ17, MCV16, MMP+12, CTY02, CK11, CS00, CCB+06, De89, DB00, FBR01, JW97, RYF+13, SK09, UJ92, WCT98]. Path-exploration
Cla87, CBK88, Cra79, CJDM99, CJ01, CB13, CB94b, CKPK90, DSDS94, Dah95, DLL+16, DV87a, DS85, DCH+94, DMS+13, DB07, DJ09, DK89, Dow91, DJT94, ELM10, EKW80, EK89b, EKB9a, EWN05, EC84, EC98a, EC98b, ECX+11, EE93, EEKS06, FatR89, Fat90, FB92, FBJ92, FURM00, FHH+89, FTTG88, GS12, GAH+12, GMT89, GMF+11, HLM+82, HLR98, HHA83, HWI+71, HJB+82, HW87, Hig90, HK10, HBII13, HSIS93, HMMS96, HY96, HP86, HC89, HP98, mWHP98, Hya93, ISL96, IM02, JVJ13, JTESE10, JMY99.

**performance** [JS99, JMK+98, JKN+13, Joh04, Joh92, Jou90, Jou93, Jou98a, Jou98b, JCSK14, JB97, Kar89, Kat89, KB76, Kha99a, KC96, KSS+95, KFNO2, KS91b, KDL+93, KDL+98, KHCMM11, KKKM11, LRW91, LP80, LP98, LS82, LKB91, LB06, LYB9111, LLJ+92, LLJ+98, LL08, LC82, LB12, LL14, LBE+98, LPH+99, LRHM90, MLC+109, MS13c, MPH12, MCD+08, MR90, MHWO3, MS12a, MTZ13, MB91, Mus09b, NAD88a, NA88b, NRK805, NI85, Ng94, NS86, NP90, NBK95, OMB91, OS91, OA89, Pat82, PS77, PS98c, PAKA13, Pie83, Pie98, PS88, PH90, PT10, PH98, Pr90, QJP+07, QSR09, QFLJ12, RKF88, RBS00, RHZC74, RR77, Reg76, Roc94, SBRM09, SB05, SJ86, SKC+12, SC89, SN90, SRWB14, SRJ+05, SSKP+07, SP98a, SEI+95, SH91, SMB09, SP90, SG94, SZ82, SV87, SV98, Soh98b, SC02, SL05.

**performance** [SW87, Ste89a, SJK92, SG95, SKC+03, SQP08, SPR00, TYS+94, TF88, TRA91, Ten12, Tie88, Tri80, VGV95, VLZ88, VV14a, VV14b, VGSS85, WBL89, WGH+97, Wl01, WSC29, WBS+8, YTV83, YZ07b, YMHB00, YHZX14, ZS00, Zb08, ZB92, Ber91a, VJE+12].

Performance-Directed [Tab95], performance-optimal [PHH99], performance-transparent [BMW09].

**Performance/Watt** [Lau05]. period [CHCW10]. periodic [JW95]. peripheral [Bra80b, Cou90b, MS84]. peripherals [VPS01]. permanent [NSH+11].

permutation [Bak94, RE13, Sov83]. Persistence [RCC05, NH12]. persistence [PCW14]. Persistent [IKK16, KPS+16, LHC+97, NHH+17, SKB+17, CLM07, CCA+11, GPR87, KBC+00, LSY+14, VLSI11].

**Personal** [HLZ+15, Got98, LP80, LP98, Pie83, Pie98].

Perspective [GSN05, ACK+95, Fre87, Hen07c, KR13, Mus09b]. Pervasive [KDL+16]. pessimistic [WW93].

Petri [AF73, Joe09, Zsb80]. Phantom [BM09c].

Phantom-DB [BM09c]. Phase [SSC03, WJZ15, JZY14, LM08, QSR09, QFLMK10, QJFL12, SLW10, SY13, SZ04, ZZY09, dRBC93]. phase-change [QSR09, SLW10]. Phastlane [CKA90].

Philadelphia [ACM06]. Phoenix [Ste81].

phone [KDV11]. Photonic [PDL15, KMS+10, KMS+12, TTCM12].

photronics [BSK+10, UMB+11].

phylogenetic [LH12]. Physical [Dan93, HGS+07, LMG04, Ozt15, SOSD05, AMP09, CCG+14, Oya89, VCK+12]. physically [For94a, For94b, JW12].

physics [KDBA78, YFRP07]. PicoServer [KDS+06]. PICSEL [MCD+08]. Picture [Isa74, AC09, Cal74]. PIE [JVE+12].

Piecewise [Jim05, Reg98]. PIFF [VSCC16]. PIM [ISKR86, SKC+03]. PIM-D [ISKR86].

Pin [MF05], pinning [SK80]. PINS [CHZ+14, PM92].

Pipe [MTU+15, GtHL+85]. Pipeline [MK98, OSF+15, PV03, BM01, CCE+09, GTA06, HP02, HBJ+02, IH80, KMI+85, KDM92, MIO+10, PD76, PD80, Pat98b, SN95, TST07, Wil83a, YMST07]. pipelined [AS91a, BFAJ93, GKF84, GM90, GLV13, Jor83, Kog73, Kog77, LM80, MSB+02, NOK+83, OMB92, RV77, RR77, Rym82, SVC03, SA88a, SA91, SP85b, SS85, SP98b, Sml98d, SV87, SV98, Soh98b, WS84, WS87,
YPD83]. **Pipelines** [MV815, TM805, PGB82, SCP86, SCV82, SRA84]. **Pipelining**

[AB92, Ano89, Cla87, MIT89, CS99, DET89, GHW90, KKS88, LSW89, N901, SF03].

**PipeRench** [GSM99]. **pipes** [LMS93]. **Pitfalls**

[KBB82, PDD89, LKBM89, LGM85, BDD92, DDL99, ESR89, GSS10].

**PipeRench** [D'H15, Ste80, YDD06, PDD07, BSS07, DTM05, LB91, SC92, SJ83, TS95, IT10, KBB91, KZL14, NMK10, YCT81, ZYX11].

**Point** [LWH99, BDD07, SLC91, LM80, MHK10, NS86, TW07].

**Policies**

[MK11, PWA13, SBS13, WCW11].

**PLUS** [KL89, PMS [KB76, KB76].

**Pocket** [KLS92]. **PocketWeb** [LKO08, LK91, SC92].

**Point-in-time** [YXR06].

**Point-to-point** [EST89, RHS96].

**PMA** [BR90]. **PMD** [LHS89].

**Platform** [WC91, CLC91, CAD91, CKC91, FBF91].

**Placable** [YXR06].

**Power**

[FM76, AMG91, KB76].

**Power-Aware** [ORS94, HSC94].

**Power-performance** [SRWB14].

**Power-efficiency** [GW10].

**Position-based** [FRK15]. **Positional**

[HRT03]. **Post** [SDH14, WIT16].

**Post-compiler** [SDH14]. **Post-ISA** [WIT16].

**Powers** [MP12, TM05].

**Power-Aware** [ORS94, HSC94].

**Polycyclic** [HNS77].

**PolyMorph** [KDO08, SMB90].

**Polymorphous** [SN80, KSN90].

**Polynomial** [AA91].

**PolyPath** [PKG92]. **Polyvalent**

[LCL15], **pool** [ZWW05]. **Port**

[BTR815, SWC95, WOR96]. **port/three** [AZ99]. **Portability** [VC72].

**Portable** [PARKA13, CYH91, HSW91, KJR91, LKB91, NL14].

**Portend** [KZC12].

**POSC** [SC09]. **Position** [FRK15].

**Position-based** [FRK15]. **Positional**

[HRT03]. **Post** [SDH14, WIT16].

**Post-compiler** [SDH14]. **Post-ISA** [WIT16].

**Powers** [MP12, TM05].

**Power-Aware** [ORS94, HSC94].

**Power-performance** [SRWB14].

**Power-efficiency** [GW10].

**Position-based** [FRK15]. **Positional**

[HRT03]. **Post** [SDH14, WIT16].

**Post-compiler** [SDH14]. **Post-ISA** [WIT16].

**Power-Aware** [ORS94, HSC94].

**Power-performance** [SRWB14].

**Power-efficiency** [GW10].
Precise [Bak91, CYG+17, DS11, GA01, LCS+10b, QTSQ13, SP85b, SP98b, Smi98d, UH93, YBMT13, ZMMT16]. Precision [MCGL17, BdDPT10, JPT14, MPPZ87, SYP+14]. Precomputation [SLG+05, APD01, CWT+01, TS10].

preconditioned [Ch90]. preconstruction [JS00]. predecoration [RSP05].

predicated [ANHN95, ACM+98b, ASP+99, MHM+95].

preconstruction [JS00]. predecryption [RSP05].

predicated [ANHN95, ACM+98b, ASP+99, MHM+95].

predication [JMK+08, RSEW04, SGB00, TL10].

predictability [BS95, EPCP98, SS98, Zha01]. predictable [AJK+09]. predicting [HKM02, JM12].

Prediction [CYG+17, FSR+04, JHK+16, Jim05, SLG+05, ASK85, BWJ+90, BE03, CG94, CG95a, CRT99, CHP97, CTYP02, Che90, CPT08, CE98, DZ99, D191, DH98, DB00, ECP96, FFW98, FRB01, GM98, GYCS06, GL98b, JTSE10, JSN98, KE91, KK99, KJM+07, LF00, LLF01, LB06, LJS+02, MHS+03, MH98, NGS99, PS14, PS94, RBS00, RR06, RE12, SZD04, SSC03, Smi98b, Smi98e, TYS+94, TFWS03, TS99, VSMF03, WHG07, WKLJ12, WK91, WCF01, YP92, YP98a, YP98b, YGS95, ZS01].

preliminary [And90, Ann91, BHS91, CMPZ87, DM74, DM98, Den98, ISKR86, Jon08, KBB+82].

preloading [SDS00]. Prentice [Alv93, Ant91, Ber91b, Buc78, Chr77, Fer88, Fo93b, ful91b, Kri91, Lan90b, Lev92, Mad94a, Ram78, Whi78]. Prentice-Hall [Alv93, Ant91, Buc78, Fer88, Kri91, Lan90b, Mad94a, Ram78, Whi78]. presence [CFG+13, ECP96, RBO07]. Present [Ber91c, Hey90, TH03]. preserving [CMB+13, WW13]. ProSET [QFJ12].

Press [Cha92, Col90, Iva91, Mil77a, Par90, Sch91a, Hol83].

prevent [SWL10]. Preventing [ISGS07]. Prevention [TS05].

Price [Ful76, MPM14, KL03, RLCV10]. Price/performance [Ful76]. pricing [SM12, TTTL10]. primary [OMB92].

prime [Gao93, CLX+16, Feu82]. Primer [Gon77].

Primitive [FSA90, GB74, Hick77b, WW13]. primitives [AL91, AGS89, GVV89, McK74]. principle [CL09, GB83, LAK09, Ran85]. Principled [ZS15, ZWS14]. Principles [Fos93b, CH84, Den03, Phi84, Fer88].

Pringle [KFGS84]. Printers [ASR+17]. prior [TS99]. prioritizing [TLD14].

Priority [BCG+08, SKS88, ELN89, HK89b, LS77, MAL01, NS74]. Priority-driven [SK88]. PriSM [MRG12, KG87].


Problem [VC04, AB84, FAY83, GTL13, Sav85, SNG93, WH97]. Problems [Lan90b, SKCY16, Deb89, Kog73, MS76, NLV86, NP90, RG91, WLY84]. procedure
Procedures [AK81, OM94]. Proceedings [ACM80, IEE76, IEE77, IEE79, IEE81, Kin75, IEE82, IEE83, IEE86, IEE88, IEE05, IEE06, ACM89, ACM91, ACM95, ACM96, ACM98a, ACM01, ACM02a, ACM04, IEE90, IEE94, IEE99, IEE03, JDL81, LS73, ACM97, IEE84, IEE85, IEE87].

Process [Feu84, FG91, KSCK17, BK11, Dev93, FH76, GS80, Hic76, Mus09b, RBOS07, TST07, WW12, XYM12]. process-dependent [Dev93]. processes [Ger81, GLVC13, vdSS79]. Processing [DHR+15, GAR+05, HCJC06, KPS+16a, Mar73, MEB15, MVB15, MKP05, VTGH17, AJ77, ATH86, AAZ89, BMP04a, BLS90, BNA88, Bra77, BC04, CL09, CLX+16, CD77, CLS73, DIY86, ED83, FBF00, Far05, Gai83, GK78, GTH84, GYB+16, Hak85, HC85, HEK+16, HD86, ICT85, IHM89, KS02b, La95, Lor90, MS13b, Miy85, Nae85, Niu85, Qiu79, RCL73, RL74a, RBG+01, RAJ99, RAJ00, Rui90, Sav85, SSDK84, SKC+03, Tan83, Thi12a, VF85, Waj92, WE74, WSC92, WSM+09, WJ85, WLP+14, YY92, Zak73, Zak77, Par88a]. processing-in-memory [CLX+16]. Processor [AK81, BK91, BCG+08, CY06, EBS+04, GCC17, HCC+06, HSKS15, HSS77, KSO4, KDO4, KTG+17, KOA05, ORS+04, Rui86, SKJ+17, SOSD05, Tan78, ZSG+17, ABY+87, AB92, AS91a, ALKK90, AR80, And73, AFNV90, AIK+05, Arm74, APX12, AAr93, AM87, AML+10, BDA01, BA84, Ba80, Bat80, Bat98a, BMP04a, BA82, CO82, CL94, CCE+09, CYL99, CT90, Cla87, CS80b, CGL89, DCC+87, DCC+98, DM74, DM98, Den98, EKMO4, EC84, EC98a, EC98b, EE10b, FP01b, FTP94, FRB01, FS83, FD88, FH76, FG83, FR87, FKT+89, Gai83, GKF84, GLM13, GSS12a, GM82, Go84, GRRT84, Goo83, Goo98a, Goo98b, GDHH89, GKN80, HFR88, HCV03, HS85a, HKK80, HFH+91, HS01, HKN+92, HY85, HHJ90, Hug82, JB82, JMY89, JZL09, JW82, JSL95, Kan74, Kap87, KS84a, KDM+98]. processor [Ker74, KTK+86, KMT91, KR85a, LC92, LP80, LP98, LZZ+16, LKB91, LBvH06, LHL+89, LMS0, LL03, LF03, MM83, Mar82, MK12, Maz77, MST82, MMR10, MS84, MYB89, MFST88, MIT89, NNN+91, NS86, NKS86, Now87, Nut77, PPM96, PN88, Pa80, PC83, Pes74, Phe98, PBGM09, RTJ00, RBH+03, Red73, Ruc89, SBS13, SYH+89, SWY10, SPN96, SGG+85, SN95, SHNS86, SA86, Sin92a, SMN+11, SP89, SSA13, SDV+87, SLH90, ST00, SPS07, SC02, SEE74, SV74, Tab10, TA83, TNY11, TSK13, TOL+11, Tob80, TM80, TLLL07, TEE+96, VIA+05, VSH91, Van81, VFK+04, WCW+04, WJGA12, WBS+88, WZY13, YYX+07, YL84, YHF03, YN09, KYK83, Kro83, SS78]. processor-based [WCW+04]. Processor-Interconnect [SKJ+17]. processor-memory [Goo83, Goo98a, Goo98b]. processor-side [GLM13]. processor/cache [FTP94]. processor/memory [SPN96].

Processors [AW04, AWS16, CDY+17, CBC+05, GAR+05, Lan90b, Loh08, NZO+05, SLFG06, ARJS07, APR89, AS96, BT13, BDOA03, BJ03, BTW77, CMC+91, CMC+98, CW02, CHZ+14, CMLV04, DB07, EKLI01, ER92, EE09, EST89, FCJV97, Fis84, Fis86, FM84, GJT+11, GAG88, GSS12b, GM90, GKB1, GWM03, GRD87, GCTR08, Gup89, HTA08, Hay77, HS13, HKLS00, HR09, HYHD95, HMMS96, HRT03, IT93, IM02, KST11, KS07, KKC+16a, Kog77, KDBA78, KSA03, KP03, LYS07, LHJ92, LWL12, LBE+98, LGKF+12, Luk01, MHM+95, MT84, MS87, MA06, MTPT12, MM87, MA14, NH97, NLV86, OWCL90, PJS97, PS12, PA73, PFF03, PS88, PS94, QD99, RCM+12, RPASA97, RAJ99, RFY+13, RS84, RA90, Rym82, SJ88, SN99, SC01, SVC03, SP85b,
SS85, SP98b, Sni98d, SZ88, SV87, SF91.

processors [SBV95, SV98, SBV98, Soh98b, Soh98a, SPA+98, SD94, SD09, SPR00, Sur07, TS90a, Tho03c, TH76, VBS05, Wei89, YLHL10, YLT06, Yue81, ZYLG05, ZBF10, Lan90b, McG78, Mil77b, Vra78].

Procrastination [PG16].

Procrastination-Based [PG16].

Producing [MDH90]. Production [ACJL13, ZJL17, uAM16, AJL14, LL88].

Production-run [ACJL13, uAM16, AJL14].

Productivity [Wit16]. Products [Ful91a].

Profile [MSS+03, Aic92, BP04].

Profile-based [MSS+03]. profile-driven [BP04]. Profiling [Far05, OSF+15, SOD+14, CL87, DG99, DB00, HC04, JK13, LJK+13, MTG+99, ON12, SBS01, SCH+91b, TL11, WH07].

Program [Ano04d, Ano05c, Ano06c, BS06, CKS+08, HVML04, HGTW05, KTG+17, McF89, NPC05, VSST16, AR83, AC09, ASP+99, BSL08, Bec95, DV87a, Dug83, Hc77b, HT14b, Las89a, Mas87, MTG+99, MTN+00, MCC+06b, PvGS90, PACL05, SS98, SK83, SV06, Sch89, SPHC02, SH92, So74, Sni75a, SLZD04, Tan77, TPO06, WS74, Ano08d].

programmability [LAB+11].

Programmable [CTHV+15, MSS+15, ATV+07, BI12, CLR03, FKM83, FL76, GP76, KKC+16b, KW11, LLZ+13, NMS+00, SYH11, SSAC13, WDA+08, WL10].

programmed [PAA+13]. Programmer [Wit16, HEK+16].

programmer-transparent [HEK+16].

programming [ABD+15, AWS16, CKmWH16, EMZ+16, HCD+94, HCW+04, Hll91, KMC02, LL16, SGH+15, TTPL10, Zho16, ABL+80, BF87, CBC+08, Den03, DBMZ08, DMB87b, DSH+10, DZC+13, ESCB12, Feu76, GMT89, GCTR08, HTA08, HFWZ87, HW87, HY85, HSW+11, HRC+90, HG88, KDS012, KJJ+09, LCWM08, MSS14a, Mad94a, McK74, NYNT12, RG91, Rui86, SKC+12, SKS+92, Sch73a, ST08, Van81, WWW+88, Win08, Wir87, Ben82].

Programs [BS06, NP17, RSA+15, SLFP16, AZ98, AL91, AS92b, BM91, Bic84, BMP+04b, BNS11, CBK+14, CO82, CO03, CA88, DESE13, EK88, EK89a, FKBS11, Far05, GTA06, Han78, KL94, KP05, LM76, LC13, LFH03, MS77, PDF+13, QM91, RRRV09, RG02, SDWF13, SLTB+06, SGS+93, ST87, TBC94, UT83, UC94, VJM99, WOT+95, Bit89, Sch91a, Whi78].

progress [Mii87, Pat87]. project [ABMS7, CJM77, HLT94, Kat89, KGM87, Mo83, Muk97, HMT86, Ste81]. Projection [Ant91, SSK+07]. projects [Dre94, SMRT85].

Prolog/Lisp [TSN+86].

Programs [ACT86a, MAD11, MSS14b].

Protection [SZG+15, HSKS15, LKM+05, LM05, CDA14, KJS+06, RKG14, VBYN+14, ZYLG05, ZZP04].

Protection [AYQ+16, BNZ08, MMT16, McD82b, Ber80, CGL+08, FSC76, HS10, HDS10, Hug82, Jon82, KOAGP12, KSLE16, LLZ+13, SLLG05, SPC+06, WJG12, Wil82, WCA02, YE09].

Protocols [DDK+16].

protocol [BLS99, BK05, CCEH00, DDS94, EK88,
HS74, KEW+85, KKD13, LLG+90, LCED01, LR77, Mic92, QS14, Ste89b, SBS93.

Protocols [CMR+06, Dah95, EK89b, GS95, Hof80, Jai82, MH98, SS86, VL88, VM88].

Prototype [SWY10, Dav80a, DM91, LLJ+92, LLJ+98, LL98, SHNS86].


Providing [CME+12, Gra84, YXR06, HMM96, KD06]. provisioned [GWSU12]. Provisioning [DK16, FWB07, PMZ+10, YKD01].

Prudent [PG16], pruning [BM09b].

Przybylski [Tab95]. PS [Isa74]. PSC [FKMD83]. Pseudo [KTK+86, Ran91, LHL+89, XL09]. pseudo-partitioning [XL09].

Pseudo-randomly [Ran91]. PSI [TNN87].

Publications [Ful91a, Tan78, Tho90a, Sta81]. Publisher [Ano08e]. Publishers [All92, Bit89, Fer88, McD88, Par88a].

Publishing [Fos93a, Mad94b]. PuDianNao [LCL+15]. pump [JZY14]. purpose [CT74, FR89, FK80, FTG88, GCT08, HQW+10, HTC10, HSC+90, KS84a, MK84, MR74, NK86, Now87, RvD77, RAJ99, SDD+07, SYP+14, St77, SKA01, TP00, Woo14].

Puzzling [Jon83]. PVT [YLH10]. pyramidal [Tan83].

Python [Tab10].


Quad [KPH+98]. Qualitatively [Laf03].

Quality [LNA08, PAM+16, RSA+15, KK84, MYP+16]. Quality-of-Service [LNA08].

Quantification [KF79], quantifying [RLCV10].

Quantum [BKSO08, HJ+15, IPKW06, IPWK08, KSO08, KBD+13, TMC+06, VND06, CLM07, OCCK03, SV06, TGP10]. Quasar [DK14].

R [CBS88, Dk90, Goo88b]. R [Dik90].

R256 [FKT+89]. Race [HH08, LHH91, MSS14a, ZLJ16, JL7, AKH08, GMF+11, HHB+14, HHS13, KZC12, MSQ09, VAV10, WDC+13, XHB06, DWS+12].

Race-free [LHH91]. race-freeness [AHK08]. races [AHM91, KZC12, LCS+10, PT03, VAV10, WCG14].

Radio [LLW+06, NNIS16, Wk81, Ebe02, NNS12, SBS13]. RADISH [DWS+12].


RAIDR [LJVM12]. RAIDs [BSAAD04].

Raksha [DKK07]. RAMs [CJ88, FRK+15, GcS84, La00, MDS+11, RYF+13].


RAMs [Mat92]. Random [SOSD05, KMA+12, Osl89, WZL+16].

randomization [KS19a]. randomized [BKMM10, SWL10]. randomly [Ran91]. randomness [PBC+13]. range [CWT+01, Hi81, SIG89]. ranking [CGT+14]. Rapid [ABC+94, DFL05, DS11, EW16, SBS01, CKA09, PWA13, AWS16].

RapidMRC [TASS09]. RASE [DFL05].

Rate [HTM15, WEMR04, AP93, AHK00, Alh98, Kog73, SD09, TASS09]. rates [CMPP95, LCF+14, NQ13, Quo94]. ratio
Reconfigurable

[ABZ07, BCSB11, Göhl14, KGS16, NY14, OUY+13, RAJ00, THNM14, WSC+14, dICKK15, BCDL07, BBJ+08, BSD87, CLC12, DSH+10, FDS88, FH/M+11, GDN+16, GPF13, HBH13, JB82, KTO+12, KDP+16, KW11, MPJ+00, MFST88, NSMK11, NMS+12, NYNT12, OIA+13, PCL10, PM11, PEB+09, PCC+14, SBS13, SSDK84, SSAC13, Sur07, TS10, TUTT10, TBL12, WW12, YMH100].

reconfiguration [GKN80, MK11].

Reconstructing [KTG+17].

reconstruction [Yok94].

Record

[MG7+17, HDT+13, HT14a, PDP+13, QSQ14].

record-replay [HDT+13].

Record/Replay [MG7+17].

recorder [XBH03].

Recording

[MGT+17, HDT+13, HT14b, PDP+13, QSQ14].

record-replay [HDT+13].

Record/Replay [MGT+17].

recording [HH08, MCT08, NPC05, NPC06, GSS05, VAV10, XHB06].

recoverable [LAK09].

recoveries [ISG10].

recovery [LAK09, SZBP08, VTGH17, YXR06, AP95, Con88, GSPV03, PZT02, UVG14, POC10, ZdK+13, dKNS10].

rectangular [JM88, OML83, PB82].

recurrence [Kog73].

recurrent [Qui84].

Recursion

[FRK+15].

Recursive

[SJSK17, AA86, IH80, TH82].

recursively [Har86].

Recycle [TST07].

redesign [CHV04].

RedEye [LHG+16].

REDSPY [WCL17].

Reduce [JHK+16, PV04, WEMR04, BS08, Goo83, Goo98a, Goo98b, KPH96, PM92, PBB+13, PV03, SC05, Wei89, YHL10, YCT05].

Reduced [CS80a, LW85, PD80, PS98b, Sta86, XHT6, PS98a].

Reducing

[BBS12, DW90, HnEH+15, Har91, HASA14, HS06, KT91, LLCP94, LYK+00, MH86, MW98, ROKB95, SSR+13, WAC+10, Zha06, AP93, DMS8, FP91a, FP9+92, FKM+02, GHG+91, HCC89, KD06, KJM+07, LW95, LAS85, LCF+14, PSB13, SDH+14, ST03, SCAP97, VSG+10, WSY95].

Reduction

[ANMF08, Ber74, Hoo77, BT13, BM01, CCC+88, Con88, HBBH02, Hom82, HRT03,
Redundancy [PGS04, SZBP08, PJJ07a], redundant [APX14, Che87, MKR02, PSG06, PR82, RRPP06, SGH03, WLG+14].

ReEnact [PT03], reentrant [Cou90b].

REF [ZL14]. Reference [Hol89, Lof74, MCXS16, BHS12, FKC+06, GS07, JTEE10, JMP09, JmWH97, Kee79b, MF05, SA92, WKS9, Yue84].

reference-counting-based [JMP09]. references [Ger80].


Regarding [Laf00]. Region [LS12a, SBZ+15, ADT13, WBM+03, WW13, WCF01]. region-level [WCF01]. regions [Bre10]. RegionScout [Mos05]. Register [BS04, Cha96, DeM96, DM82, GCO+04, KMC+93, LMG04, QMT89, WW93, AAZ89, BS73, BYG+00, BEH91a, BEH91b, CCV+09, CGVT00, EP87, EP88, FP91a, HKT93, HS85b, HS74, HL85, IGS07, JSL+13, Klu76, LcC92, LH86a, MSAD91, QM91, Req83, TA03, TS99, WS90, kSYHX+11, Yue84].

Registers [HGTW05, BB74, DWW90, GH86, Kar89, KMC+93].

regression [LB06, dOFD+13]. Regular [BTC06, KLMH+88, MS84].

Regular-Expression [BTC06].

Regularities [PBC+13]. regulated [PP88, XH806].

regulation [KOAGP12].

Regulator [BLI17].

Reinforcement [IMMC80, SLT16]. Reinhold [McG78, Vra78]. related

[EGK+85, Smi86, VERJ99]. relating [Bur82, RHZC74]. relation [BSF+91].

relational [BH78, BLL+83, Cha78a, GKF84, KMI+85, MKM+83, YI86, SS78]. Relationship [SOM+08]. relative [Bet73].

Relax [KNS10]. relaxed [DNB+11, HT14a, NCLJ09, QSQ14].

relaxed-consistency [HT14a, QSQ14].

RelaxFault [KE16].

RelaxReplay [HT14a].

relyout [MTN+00]. release [DKCZ93, KCCZ92, Waj92].

Reliability [SDR11].

Reliability-Aware [SABR04]. Reliable [WJZY15, ZYM15, BVR+00, ICY+10, JYZ14, KSL16, MG91, NRS+07, SYL13, YK05, Yok94].

reload [SRB+07].

Relocation [VSST16, LM99, WW93].

Relyzer [HANR12].

Reliable [WJZY15, ZYM15, BVR+00, ICY+10, JZYZ14, KSLE16, MG91, NRS+07, SYL13, YK05, Yok94].

reloaded [SRB+07].

Reliability-Aware [SABR04].

Remote [KLK17, KMN+16, OCY+15, Hm96, KHS+97, PA88].

Remote-memory-access [KHS+15]. Remote-Scope [OCY+15].

Removal [SHP+16].

Removing [PGRT01].

Renewable [GA79].

Renewable-Aware [SABR04].

Renewable/Reliable [WJZY15, ZYM15, BVR+00, ICY+10, JZYZ14, KSLE16, MG91, NRS+07, SYL13, YK05, Yok94].

remodel [SRB+07].

Repair [BRM10, HP87, KE16, SDWF13].

Replacing [QTP05, QLM06, Dev09, DG92, DSN07, JL16, JTEE10, JNaS+12, Kha95b, Kha97a, Kha97c, McF92, PK94, SG83].

Repair [HT14b, NPC05, BRM10, CHCW10, EHA03, HR09, HDT+13, HT14a, LWV+10, MKHT09, PDP+13, QSQ14, VIL+11, VNN13, XBH03].

Repairing [MCT08].

Replica [MK84].

replicated [EST89, IC+10].

Replication [CPV05, ZA05, AZK06, HFFA09, SHV+98].

replication/migration [SHV+98]. Reply [Goo88b, SM77, Woo86].

Report [ABC+94, Mad96, Dic80, Gas88, Mar88, Mil87, Pat87, RVLS14, Ste80, Irw86].

reporting [CCM08].

repository [KBS84].

Representation [Chi89, HS16, Tho76, HS74, SDP85].

Requirements

[CDY+17, Bra77, Cra79, CA88, CHKM93, Joh82, Kus87, Kus86, LFH03, OC78].

ReRAM [CLX+16]. ReRAM-based [CLX+16]. ReRun [HH08]. rescue [SLP+09, SV05]. Rescuing [DJPK16].

Research

[BMF+16, HLL+93, Hill83, Par90, Pat06, CHJ83, Dal10, DCS+14, Est02, FKT+89, Re80, SzUK+04, Tho09a, Tho10a, VR73, We97]. Researchers [Mud96]. Residue [DSG11]. resiliency [HANR12, HVAN14, KCE12]. Resilient [SLSO13, HC99, LRS+08]. resistant [TML+00, VCK+12]. Resistive [GIS10, ICN+10, SLSB10, ZNF+16]. resolution [BYG+00]. Resolved [Woo14, KMT91]. Resolver [Lee85a].

Resonant [PV04]. Resource [CV06, CA88, DK16, OML83, PPM17, PB82, WM16, BMO9a, CMLV04, DK14, ELMP11, FJB85, GST74, GKS+07, HCD+94, JB76, PAVT16, Rey82, RE13, SHV12, Tak87, TMV+11, TA76, TF01, VNM+12, Wah83, XJK+16, ZL14, ZELV02, ZWM+14, ZBF10]. resource-conscious [CMLV04]. Resource-Effective [DK16, DK14].


retrieval [AR80, ERT78, GSR93, Lee85a, Rob78, WW89]. retrofitting [CGL+08].

Retrospective [AH98a, Aga98, BW98b, Bat98a, BS98a, BLA+98b, DCF+98, Den98, DP80, DP98b, DP98a, DS98, EC98b, Fis98a, Gha98, Goc98a, Got98, GL98c, Hen98, mWHP98, mWHP98, Jou98b, Kna98b, Kus98, LL98, Lip98b, N98b, P98a, Pat98b, Pat98a, PS98a, Pie98, RLW98a, SP98a, Smi98c, Sm98d, Sm98b, Soh98b, Soh98b, TEL98a, VYK+98, YP98b, vECSG98, Pie83]. return [CLR05, YK05]. returns [KE91]. reuse [ATT+13, CHCWH00, KOA912, NAAL01, RKM+11, SS97, WCF01, WZY13].

Reverse [LSB15, Sos94]. Review [Alv93, Atk79, Ben82, Bit89, Buc78, Chr77, Fer88, Fos93a, Ful93, Gor83, Hol83, Lan76, Mad94a, Mad94b, MCG78, Mil77a, Mdc88, Mil77b, Par88a, Par90, Sch88, Sch91a, Smo89, Su74, Tak88, Wks81]. Reviewers [Ano04e, Ano05f, Ano06d, Ano08f].

Reviews [Fos93b, Lan93, Mll77a, Benz82, Bit89, Chr77, Hol83, Lan76, Mud980, Sac83, ACM93b, Vra88, Whi78]. revisionist [PT91]. Revisit [WQL92]. Revisiting [AH12, WW+14]. Revivable [SLFG06].

ReViVaL [LWB08]. ReVeV [PZT02].

reviving [ADS+13]. revolution [KFW08].

Revolutions [Emm06, ECX+11]. rewriting [HR07]. REYSM [NS86]. RFID [RSP11].


Ring [MABYT15, SST06, BD93a, Mic92, SGV92]. ring-based [BD93a]. ring-connected [Mic92]. riOMMU [MABYT15]. RISC
[HO91, AZ98, Aßm93, BZ87, BC91, Bha97, BEH91a, BUH87, COS2, CHJ83, Cou89, DeB89, Dow87, Dow88a, Dow88b, DFT86, ELN89, ER92, EE93, FCP92, Grist, Hea84, HLS85, HDP90, Jon88c, Kia87, Lar82, Mil87, PMPM96, PP92, PGH+83, Pat84, PS98b, PS98a, PH90, Sho87, SEI+95, Ste88, UBF+84, Wil83a, WWC+14, Yuen99b].

RISC-based [FCP92, HDP90]. **RISC-like** [AAZ89, Wil83a]. **RISC/CISC** [CHJ83].

**RISCs** [BCDN87, BEH91b, Jon88b]. **RISCY** [Pat88, FFK+82]. **rise** [Pau13]. **risk** [WWC+14]. **Risks** [Jon88b]. **Rivalling** [CM80]. **RNS** [GGS12a, DSG11, NNI16].

**road** [AHKB00]. **Roadmap** [GSN05].

**Robert** [Cha92, Iva91]. **Roberts** [CLC12]. **robin** [VM88]. **Robust** [CMF+13, ES95, PGVB04, QFLMK10, RD01]. **Rochelle** [Mil77]. **Rock** [CCE+99]. **role** [BDJ+11, CR94]. **Rollback** [LS82, PZT02]. **ROM** [Ano89]. **root** [TLLL07].

**root-hashing** [TLLL07]. **Rotary** [APGP07, OT86]. **Rotating** [KC96].

**rotations** [KB93]. **round** [Gai80, VM88]. **round-robin** [VM88]. **Router** [BTR805, KDG05, KN06, PED+08, APG07, AGSY94, DCB+94, KNPr07, KSL08, KMC02, KS91b, KS91a, MFB+02, RH96, YKD01]. **Routers** [MW04].

**Routing** [PGVB04, SAL+05, AEBAT98, BC93, CKA92, CA09, DDS95, DCB94, FHM+11, GN92, GN98, JK09, KLC94, KCW99, KM10, KS91a, LN91, MJW11, MTO9, NS90, NS91, N98, PMZ+10, RFS88, SKA+11, Sez86, SDGT03, TS90a, WIT76].

**Row** [OSKA14, PBC+13]. **Row-buffer** [OSKA14]. **Rowhammer** [AYQ+16]. **Royal** [IEE83]. **RPC** [CS13b, SADAD02].

**RPCNET** [F19a]. **RRIP** [JTSE10]. **RSA** [CW02]. **RSIM** [PRA97]. **RT** [BS73]. **RTL** [CWS+11, KIC+16, SRWB14]. **RTR** [XHB06]. **RTX** [KKC92]. **rule** [CHWY13, GFNW86, KOB88, LN92]. **rule-directed** [CHWY13]. **rules** [CHWY13]. **Run** [JnW97, PPR09, SIG99, ACJL13, AJL14, GPV04, HBI13, Mul89, TP90, YMX+10, dRBC93, uAM16].

**Run-time** [JnW97, PPR09, SIG99, HBI13, Mul89, YMX+10, dRBC93].

**Runahead** [MKP05]. **Running** [BCG91, IWP08, AS99, KG16, KAD04, MLCW11, RSF11]. **Runtime** [HSK15, HCL15, MAHK16, NW+15, SMB10, WM16, XLWZ15, BAD+10, DZ+14, HTC10, KD92, LDK14, MTG+99, SGB00, SRSW14, VP89]. **runtimes** [RL14, TBW16, WK09]. **Ryan** [Ful91a].

**S** [Fos72a, L176, Ram78, Sch88, VFCM15, FW97, HS10, NBP95]. **S-COMA** [FW97].

**S-connect** [NBP95]. **S** [Tan88]. **S/390** [HS01]. **S2E** [CKC11]. **SaberLDA** [LCC16]. **Safe** [CRW+15, GKT13, MS15, ASP+03, CME+12, CFS+12, CCA+11, MSZ09, NMZ12, NYNT12]. **safety** [DBM08, LM99, NMZ12].

**SafetyNet** [SMH02]. **SALP** [KSL+12]. **salvaging** [PBM09]. **SAM** [LCC98]. **SAMP** [Now87]. **sample** [KIC+16]. **sample-based** [KIC+16].

**Sampling** [NSH+11, BEL+00, Kha97b, SBS01, WZL16, WWF03]. **San** [ACM93a, IE03]. **Santa** [ACM95]. **Sapper** [LKO+14]. **satellites** [Gai83]. **Satisfaction** [SOM+08]. **saturation** [SSS95]. **Saved** [Wak81]. **saving** [Har78, LH86a, LPMZ11, MAL01, Mus09a, RPSV07, Sta89]. **saving/ restoring** [LH86a]. **SC-DCNN** [RL+17].

**SC2** [AS14]. **Scalability** [NCL09, RHR+17, TM05, ACS+12, CGB89, GTSS13, GHKM11, H1090, PGRT01, VIA+05].

**Scalable** [BTC06, CH04, CKZ12, DS8K04, FBA08, GAR+05, GY+17, HKN+17, IPW108, KDS08, LCL+16, MLCW11, MS15, NP17, QSR09, RLD+17, SAB+05, AGT11, BGM+00, Bay99, BMP04a, BMBW00, CKA91, CMT00, DCS+14, Fra90, GLL+90,
GLL+98, Gha98, GW10, HW80, HG86, HR09, JSL+13, KJJ+09, KMS+10, LL97, LIMB09, Mat91a, MKKU03, MGBK96, MPSIV89, PHH16a, PHH16b, QTS02, RBR02, RAC99, SK11, SWY10, SYH11, SCZM00, TYSK11, TBG+97, TTCC12, UMB+11, WAA+14, scalar [FB92, GL98b, HD86, Skl92b, Skl92a, WS87, ZCSM02]. Scale [Bar11, CYMT16, CYG+17, HLZ+15, LKG+12, Mil77b, NDB+14, PDL15, QTS+13, TQC+15, BTV+11, CY96, FAK+12, FV82, GKL83, GW88, GVW89, Ham09, HSH96, HIM+05, JKD09, Joh92, KBC+00, LAS85, LCG+14, MPT91, Mar00, MTS+90, NP90, OT86, OLJ+14, PCC+14, RSF11, RG93, SPhC02, Smi14, SB77, TMW+13, TD91, WHZ+17, YBMT13, SBK77]. Scale-out [LKG+12, NDB+14, FAK+12]. Scaling [DGT15, EMM06, JS99, KZT05, PTB16, RJK+09, EBS+11, ECX+11, Geh14, LDK14, MSS+03, MCD+08, NQK13, NY+14, PM11, SW+16, WZY13]. Scan [Fis86]. scanning [Lec74]. scarce [ZWM+14]. SCC [Wil88]. schedule [NAAL01]. scheduled [FCJV97, FM84, KMT91, NH97]. scheduler [BMK+10, EHA03, JCS+14, SRB+07, WRSY16]. schedulers [NP11]. Scheduling [JSWB93, KSC17, MT84, MM08, SXYH16, SA91, TT08, VJE+12, AA82, ACS+12, Bak91, BEH91b, CS06b, CNO+87, CCB+06, DK13, DZZ+14, DJT94, EA02, EE10b, GGH92, GLM13, IB12, JW95, JNS+12, JDL81, JSMP12, JKN+13, JKM+13, JSAM10, KD92, KKK+13, LS12a, L90, LRHM90, MSAD91, MDR+00, MSS14b, MSP+06, Mil82, MAL01, OA08, RDK+00, SYK10, STND+13, SBO9, SLH90, ST00, Tho11a, Won16, YERJ99, YKL+16, ZBF10]. Scheme [ES05, AJ77, AP95, AS14, BS87, BBBBB94, CKA91, CHCW10, CV88, HBJ86, HJ87, HSL95, Hs85a, Hic76, Kha97a, Kha97c, KKK76, Lap91, LS92, MP889, MTG+99, MC91, PH88, TYS+94, TTCC12, TYZ85, Wei89, Won89, VP89]. schemes [AAHV91, ASHH88, ASHH98, CB94a, GYCS96, Hen98, HCC89, LM76, MPT91, Rao84, RS84, SL92, VS92, YGS95]. Schneck [McD88]. Schofield [Sch91a]. Schur [Che90]. SCHR USS [GRRT84]. SCI [SGV92]. Science [Col90, DHR+90, FK79, Pau13, KRM83]. scientific [BNA88, Cha90, CHKM93, FKT+89, LS96, SHN86, YXY+07]. SCISM [VBE92]. Scope [OCC+15]. SCORPIO [DS+14]. Scrambled [Lee88]. Scripting [KKK+17]. SD [WJZY15]. SDC [UVG14]. SDF [OLJ+14]. SDR [WSC+14]. SEAI [Ful91a]. Seamless [FPC92]. Search [BTRS05, DGT15, MNS+14, MSH+15, SKY16, CW06+06, RLC10, SKA+11, SG11, TYNM86, WLY84]. Searching [JPT14, BTW77, Cop78]. Seattle [IEE90]. Second [Smi91]. Secondary [DLSW76, EE93, Lip77a, PK94]. Secret [DGT15]. Secretary [Irw86]. Secretary/ Treasurer [Irw86]. Secrets [LKM+05]. section [SMQP09, YL16]. sections [EE10a, HHS13, MBK90]. seco red [Sez94]. Secure [AMH+16, SW74, SLZ04, SOD05, TtLC13, BA84, CS11b, HKD+13, Ino05, KFM05, ML05, NM12, RYF+13, SL12, WGO+13, WWA01]. securing [LWH+16]. Security [Ber80, CWW+08, Che05, CDG+17, FZX+17, HS15, SWL10, SLG+05, YEP+06, ZWSM15, ZSG+17, CC05, DKK07, HS10, Ino05, Kar07, LKC+04, LNBZ08, MPX+13, MK05, MM14a, NPCF08, PL06, TOL+11, VCK+12]. Security-Critical [HSK15]. security-modified [MM14a]. see [AC09]. segment [BLs+76, Hea76, See89a, See89b]. segment-sequential [Hea76]. Sego [KDL+16]. Seitz [Par90]. Selected [Lei91, CH01]. Selection [CKW16, LM76, PR05, BPG+01, ME78]. Selective [CRT99, HC99, KPG98, LF00, RAM+04, ACM02b, CV88, DSBK04, EHA03, GKO99, PT10, ZNF+16].
Selective-set-invalidation [HC99]. Self [IMMC08, CS99, CCV+09, DGY89, LF00, LW95, NS80, Now87, JPDJ06, SLK05, SLP+09, DLSW76]. self-healing [SLK05, SLP+09]. self-invalidation [LF00, LW95]. Self-Optimizing [IMMC08]. self-organizing [PJDJ06]. self-spatial [CS99]. self-test [CCV+09]. self-timed [DGY89, Now87]. Semantic [HABZ17, Lip78b, MTU89]. Semantics [Kav80, MCC+06a, BSLO, Feu76, LCS+10b]. semaphores [DD80]. Semi [SBM02, MSZ09]. semi-automatic [MSZ09]. Semi-hierarchical [SBM02]. Semiconductor [BJ78, Che84a]. Sensing [Ldjl+16, PCDL09]. Sensitive [ZWSM15, HHS13]. sensitivity [BP04, KC07, WW12]. Sensor [HTM+05, NZO+05, EKM04, KC02, LC02, LHG+16, NMS+12, Est02]. sensor-actuator [KC02]. sensors [HSW+00]. sensory [MK84]. Sentry [Bar82, SD10]. Separation [DKD+15, WS90]. sequence [IBC12, Lit94]. sequenced [Wra91]. Sequences [YT04, VM07]. sequencing [Smo89]. sequencing-based [Smo89]. Sequential [BS06, MS05, BS+76, CTM07, CTW+13, Hea76, LS77, LNRG12, QTSG13, QM91, SNM+12, Tice88, Uc83, VLW+11, ZLO+11, ZWS14]. Sequentially [Lec74, HX97, HA90]. Sequoia [Mar85]. serial [LHL+89, SP87]. Serializability [SBZ+15]. Serialization [GMT16, QST14]. serializing [JVV13]. Series [Chr77, Ber76, Cra88]. serve [VM88]. Server [LRC+08, Mad94a, APP+14, DSH+94, GSKF03, GCG+14, HCG+06, IMK+13, yKPR02, LL97, Lan05, LQL12, LL14, MH07, MGW09, NMS+00, SBIS11, Wol89, YCMR12]. server-based [Wol89]. Servers [RLIC06, SKJ+17, BGC+13, CMR+12, JVF13, LCM+09, LMS+13, SSD+13, WGH+97, Won16]. Service [LNA08, GHKM11, Ham09]. serviceability [SBM02]. Services [HhEH+15, JHK+16, KDL+16, MSS+15, MSB+11, PCC+14, SLK05]. Session [NYNT12, Tsan16, DHR+90, HCD+94, IAD+94, SGG+85, SMRT85]. Set [BKS05, Bhu83, CS80a, CBC+05, PS98a, TM14b, AZ89, AAD90, BD84, BEH91a, BA97, Bur82, CG95a, CKDK91, Cra83, DV87a, De 90, DS02, Fos72b, GH90, Gov07, GTL13, HB86, HHL16, HC99, Joh89, KJLH99, KS02b, KMC+93, LDT+16, Man01b, Man01a, Mar83b, MHS+03, McD82a, PD80, PS98b, Sho87, SFS00, SK108, Sta86, SS82, TJS83, WQL92, Wie82, Wil88, HLL+93]. set-associative [WQL92]. set-associativity [KJLH99]. sets [CE98, EP87, GB74, HS85b, Mye77, NA83, RSG93, SM77, Wak80]. Setting [UVG12]. severe [ZSL10]. SGI [LL97]. SH [AIK+05]. SH-X [AIK+05]. Shack [Wak81]. shamer [APX14]. shaders [WL10]. shadow [GHS16, SSC98]. shall [Bak94]. Shallow [SKN+15]. shaping [ZW16]. Shared [DK16, Irw10, Las88b, MRG12, MCT80, MM08, PPM15, WSH+05, ZE16, AGT11, Bay99, BC920, BLS99, BR90, BMP+04b, CHX+11, CA04, CGB89, CFS+12, CMT00, CF93, CTK+94, DLOCO99, DLT90, DDKC93, DSN07, ELMP11, EGK+85, FB08, Far05, FH88, FHH+89, GCM+10, GLL+90, GGH91, GGH92, GLL+98, Gha98, GGK+82, GGK+98, GS95, GN89, Har91, HSH96, HJL89, HX97, ISL06, JB76, KCK92, KL94, KS95, KHS+97, KADS04, LW95, eHLL89, LMRS92, LS92, MHS+03, MBK90, MGBN96, Nad88a, NPC06, NO94, Nik09, Nis91, OZK+12, PGSP00, PH88, PZT02, RPASA97, RLW94, RPW96, RLW98a, RLW98b, Rey82, SRJ+05, SHZ97, SWG92, SPA+98, SMHW02, SK108, ST08, TGB+97, TD91, TA76, Wil87, WCF+93, XL09.
YPD83, YKA96, YN09, ZT95, ZBF10, shared-medium [CHX11], shared-cache [NO94], shared-medium [CHX11].

Shared-Memory
MCT08, BR90, CMT00, CDK+94, EGK+85, FH88, GLL+90, GGH91, GGH92, GLL+98, Gha98, GGK+82, GGK+98, CS95, GN98, HX97, LW95, eHLL89, LMR92, MHS+03, MBK90, PZT02, RPASA97, SWG92, SPA+98, TBB+97, YN09, ZT95. Sharing
Mos05, EK88, EK89a, FH76, Hum96, KS14, KC74, LF99, LCM09, SBS93, ST87, TMV+11, TE94, TtLC13, Wah83, ZL14, ZW14. sharing-based [TE94]. Sheaved
[Sia89]. SherLog [YMX10]. shift [Khu76], Shoestring [FGM10]. Shor [WIPK09].

Shor [HSBA16, KKC+16a, LCL+16, AJL14, CPT08, DCB+94, Gun90, HY85, OCOKC03, Yue81]. Short-circuit
[KKC+16a], short-haul [DCB+94]. Short-Lived [LCL+16]. short-term
[AJL14]. short-wordlength [Yue81]. shortcut [KMA+12]. Should
[Wil88, Muk97, Woo14, dOFP+13].

Shredder [AMH+16]. Shredding
[AMH+16]. SHRIMP [BLA+94, BAC+98, BLA+98b, BLA+98a, FAB+96]. shuffle
[BAES94, BSD87, Sov83, VR87]. shuffle-exchange [Sov83], shuffle/exchange [VR87]. shuttle [Sat74]. SI
[LCF+14]. SI-TM [LCF+14]. Side
[DMWS12, Bra82b, GLM13, MDS12a, WL07, TMW+01]. Side-channel
[DMWS12, MDS12a]. Sidewinder
[LJdL16]. SieveStore [PT10]. SIGARCH
[An99, An00e, Bre72, Die81, Pat91]. SIGMA [Sez86, SHNS86]. SIGMA-1
[SHNS86]. Signal
[Kro83, BMP04a, GSS12a, GSS12b, GWM03, MS13b, Nit89, SKC+03, VF85, WSM+09]. signature
[MSQT09]. signature-based
[MSQT09]. signatures
[MMJ05, SZD+08, TACT08]. significance
[Ros77b, Sit73]. significant [Par95].

SigRace [MSQT09]. silent
[LL02, AMH+16]. Silicon [KMS+10, BSK+10, EBS+11, FGVG13, KMOA07].
Silicon-photonic [KMS+10]. Silver
[IEE77]. SIMD
[BHBL87, BAES89, ED83, HWC91, KCE12, MT97, Par95, P09, PD06, RE13, Se77, TNY11, VSW+13, YL84]. SIMDization
[HCC+10]. Simics
[Far05]. similar
[BC91, BFS+09]. similarity
[Br87, SS+16]. SIMP [MIT89]. simple
[ASP+03, BDLM07, DDS94, FKM+02, HW95, LCE01, RPS07, UM95].

SimplePower [VK1+00]. SimpleScalar
[BA97, Man01a, Man01b]. simplifying
[LC+10]. SimPoint
[LSG05]. SIMT
[KTS+13]. simulate
[MAF+09]. Simulated
[GKO+00]. simulating
[RB07]. Simulation
[DFL05, DBK+02, EBS+04, JKT05, JKT09, Kno73, KMK16, SCU+14, S0+15, T0+07, ALMS82, BC90b, CL01, CB92, DRC05, DSOF11, Fra86, Fra90, GKO+00, GP02, GCL85, HAN14, HRC+90, HOS+07, Kha95a, KIC+16, KEL91, KBR89, LSSG05, LMND76, LSFK08, MS13a, MF05, MESSZ6, Mon98, NK86, OC000, PGSP00, RL76, Rey82, SK13, SDD+07, SL88, TSSK11, TBL12, Van81, WF87, WWH03, YMI1]. simulation-adapted
[GP02].

Simulations
[WN14, BK90, CAD09, GP88, GPF13]. Simulator
[TQC+15, AF95, BBB+11, Cor89, FTC99, MSB+05, PRA97, SRW14, TSC99, WGT+05, ZYG09]. simulators
[Sh87]. Simultaneous
[BCD12, CSK+99, CCE+09, TEL95, TEL98b, HKN+92, LBE+98, Luk01, RL74b, REL00, RM00, SW16, ST00, TSC99, TEE+96, VPC02, TEL98a]. Singh
[Ful11b]. Single
[BTRS05, BYP+91, KTR+04, MI89, COS05, VE14, WHZ+17, BGM+00, CS11a, CS80b, CST+05, FTP94, GCL85, J04, Kuh80, KHC92, KKP14, LH86a,
Software-Controlled
[BCG*08, CSB86, KFN02, KL91, Luk01].
Software-Defined [DHR+15, OLJ+14].
software-exposed [TACT08].
Software-extended [CA94], software-hardware [MHKT09].
software-managed [HR00, NUS+93].
software-only [GS95], solid [CME+12, CS13a, DJ09, JWKC12, JCS+14, PB80].
solid-state [DJ09].
solution [AB84, PP84, Pat98, WH97].
solutions [Kog73].
solve [Deb89].
solver [AOM+14, SKN+15, SKCY16, AL12].
Solvers [GC11, vdHS90].
Solving [AYA83, GSZ90, GLH88, Lan90b, ABKA85, JD88, OT86, WLY84].
Some [BL76, EHA82, Joh82, Las89b, PP88, Sha80, Yue84, Das77, Deb89, Wis86].
Something [Bat72, Fos72b].
Sons [Atk79, Ben82, Ber91a, Bow79, Ful93, Gor83, Mud80].
sorter [DSM82].
Sorting [MCK16, CT08, Gut87, HW95, SP85a].
Sound [CSBA17b, CB13, DWS+12, DP76, DPB76].
Source [BMF+16, dICKK15, ELMP10, ZMMT16].
sources [HWQ+10].
space [BS73, BFPO3, CME+12, CYH+11, CGT+14, Cra79, HIM+05, HH93, Jon08, Kep91, Lof74, LNBO8, NO94, RYF+13, Sat74, SRWB14, XGC+10].
SpaceJMP [EMZ+16].
Spaces [EMZ+16, SSK17, CKZ12, IM+06, PHB14, Wil91].
Spain [Acm98a].
spanning [HDP+90].
SPARC [BKS+94, CKDK91, KK92, LKB91].
Sparc64 [ST03], SPARCcenter [SG94].
sparing [MM92].
SPARK [SW90].
Sparse [AYA83, WZJ15, ABK85, GS290, HMM89, SW90].
Sparsity [LCCZ17].
Sparsity-Aware [LCCZ17].
Spatial [BVCG04, SWA+06, CS99, CES16, CM00, CCB+06, DBMZ08, GB01, KW98, Mar00, MCC+06b].
spatial-lattice [Mar00].
spatially [MSCS13, PPA+13].
spatially-programmed [PPA+13].
Spatio [SWAF09].
Spatio-temporal [SWAF09].
SPEAC [Mar74].
Speakers [Tsa16].
SPEC [AE01, CH01, CSW94, Ci03, CKDK91, CB94b, GP02, GS07, Hen06, Hen07b, Hen07d, Hen07e, KC97, MJP95, PJ07a, PJ07b, PH90, Spr07, Wei97, W07, YRK07].
SPEC95 [PGTM99].
SPECS [AE01, CH01, CSW94, CT08, Gut87, HW95, SP85a].
Special [KSN07a, ABZ07, FK80, FTG88, JKT04, JKT09, K05, KS84a, MK84, Mar74, NK86, SDD+07, TK07, JWB93, JWB94, Pen88, Ram88].
special-purpose [FK80, MK84, SDD+07].
specialization [OKJ+13].
specify [CWS06].
Specialized [NS16, QH+13, Rob78, Tho10b, W01].
specializing [MKGT16].
specific [BS08, CDY+17, KS07, LS12b, MPSiV89, PP92, SY06, WBS+88].
specification [Cra83].
specifying [BKL+16, BNS11, RLS10].
SPECS [HSKS15].
Spectr [BCR11].
Spectrometer [NNIS16].
Speculation [CWY+08, Y04, YERJ99, ZS15, ADT13, DG99, GKMP98, cJC099, LWV+10, MK98, MT02, MTZ13, MBVS97, NZS+07, NZS+09, PT03, RSW04, SB05, SCZM00, ZWS14].
Speculations [Tag85, Cra88].
Speculative [BS06, CTTC06, CWY+08, CWT+01, CASM06, HSS94, LGM+14, MT02, PV02, PV05, RK+10, ANNH95, ACM02b, ACM+98b, BCR11, CCE+09, CMT00, DS06, LF99, LBCG95, LPH+09, MDS12b, OL02, PGRT01, ZCM02, ZS01].
speech [AB86].
Speed [Alv93, IWP08, TM05, AA11b, APR89, BVR+00, CF82, DSG11, Gun90, Gup89, GSKF03, HS85a, KW84, KMK16, LDK14, MIT89, N98+85, PN88, SHMZ94, TDF90, TW77, TLL07, Tur79, Wil83b, ZLZZ09].
Speeding [ZT95, ACF05].
speedup [HRDA85].
speedups [SBV91].
spiking [NMTH10, YM11].
spintronic [VR+14].
spintronic-tape [VR+14].
SpinWise
[ANS+15, FP91b, NP90, BA82, GS95, KDJ83, Prz90, RR77, Smi98b, Smi98c, VGSS85].

**Strategy**

[BEH91a, Dev93, ELN89, Wan93, dRBC93].

**Stratified** [ATT+13, SBS01]. **Stream**

[ADK+04, DC09, HCC+06, SKN+15, BYP+91, Dav80a, FKBS11, God13, GTK+02, GTA06, HSW+11, LLC06, MIT89, NRRS+05, PK94, RL74a, RGD09, SKC+03, WS91, YXX+07]. **stream/Multiple**

[MIT89]. **streamed** [SKS+13]. **Streaming**

[Mac98, SWA+06, VX17, WSH+05, BCDL07, BD91, GSM+99, HCW+10, SYH11, SWAF09, VFMC13, Waj92].

**streaming-array** [SYH11]. **Streamlining**

[APS95]. **StreamRay** [RGD09]. **streams**

[CDS83, CL09, GCTR08, ZFC03, TLM+04]. **Streamware** [GCTR08]. **strength**

[AWC+11]. **STREX** [ATT+13]. **strict**

[KS14, TOL+11]. **stride** [ZFC03]. **stripes**

[VLL+92]. **strike** [HSS12]. **String**

[Cop78, TS05, ACF05, TYNM86, Vin77]. **striped** [CP90, KDSO12]. **striping**

[DS89, HASA14]. **stripped** [HM05]. **Strober** [KIC+16]. **strong**

[MTC+07, NSQ16]. **Strongly** [BNZ08]. **Strongly-Atomic** [BNZ08]. **Structural**

[SABR05, NP90]. **Structure**

[Bow79, JS73, Mud80, BEH91a, Fen84, HG86, HHA83, JS88, KBB02, KTS+13, MS82, Mat78, Now87, PN83, TT82].

**Structured**

[Ano81, Bou75, PT83, Ram78, CFS+12, Hil83, Kan74, KB80, KKK76, La95, LM74, Lof74, SA86, Ter87, Van81, VH73, WR84].

**Structures** [BRC+05, CSBA17a, DGT15, All76, BS76, BS08b, DG92, FW82, Gaul85, HM93, Hom82, Klu76, Lec74, RS99, SK86, SDP85, SP07, Iov91, Tak88]. **Structuring**

[Goo88a, Hic77b]. **struggles** [RRT+08].

**STT** [GIS10, GGP+13, MDS+11].

**STT-MRAM** [GIS10, GGP+13].

**STT-RAM** [MDS+11]. **students** [Muk97]. **Studies**

[EBS+04, BC90b, DDP85, FD87, GKZ+07]. **Study** [AOM+14, CTHV+15, LSB15, ZAI+16, BAC+98, BCDN87, BD93b, CB92, CB94a, CY96, Con88, CDK+94, DCW+11, D190, FTP94, FAK+12, GTSS13, KS02a, KW13, KDK+14, KM74, KDL+93, KDL+98, KBD+13, L93, LJK+13, LPSZ08, MSB+02, RB89, RB90, Red92, SL88, SG94, SG83, Smi98b, Smi98c, TEN11, TA76, UC94, VSH91, Wah83, WS87, Wse82, ZB92].

**Studying** [WZY13]. **style**

[AI83, CLM07, Lip76]. **Sub**

[CASM06, CCS87, ZW14, ZHW16]. **sub-core** [ZW14, ZHW16]. **sub-micron** [CCS87]. **Sub-Threads** [CASM06]. **subarray** [KSL+12]. **subarray-level**

[KSL+12]. **subclass** [Joe90]. **subdivision**

[MTS10]. **subject** [Tri80]. **submicron**

[VBS05]. **subordinate** [CSK+99, CTYP02]. **Subroutine** [WH07, KE91]. **subscript**

[KPK90]. **Subsetting** [PJ07b].

**substitution** [LH88]. **substrate**

[DRCO05, ELMP10]. **subsumes** [Nik89]. **subsystem** [ACK94, BBH94, CPdM+96, Dug83, SHMZ94, TMV+11]. **subsystems**

[Jag80, Kat89, Yom92]. **Subthreshold**

[NZO+05]. **Subthreshold-Voltage**

[NZO+05]. **Suggested** [Gil80]. **suitable**

[Roe85, SP84]. **Suite**

[ZBBL16, BO01, Hen07c, Joh04, PJ07a, PJ07b, PL06, YLT06]. **Suites**

[LWPG17, Pon91]. **sum** [LLC98]. **sum-addressed** [LLC98]. **Summary**

[HG88, HK77, Kav81]. **Summer** [DK17]. **Sun**

[CCE+09, KKC92]. **Super**

[WJZY15, FB92, ST03]. **super-scalar**

[FB92]. **Supercomputer** [Che90, CKPK90, McD88, ASK85, BDW85, DR91, NBKP95]. **Supercomputer-based** [Che90]. **supercomputers** [HS93, KS86, SL92, VSM+07a, VSM+07b, WS84, WS87]. **Supercomputing**

[Gar94, Hey90, NNS+90, VFK+04]. **superimposed** [AR80]. **superlattice**
Superoptimizer [Mas87].
superoptimizers [BA06]. superpage [ROK95]. superpages [SSC98].
superpipelined [Jou88, JW89, SD94].
Superscalar [Jou88, KS04, CYL99, CWS+11, DSF+90, HKLS00, IT93, JW89, JSL05, KS07, KMT91, LeCC92, Lai92, LKB91, NN+91, OWC190, PJ979, SN99, SLH90, SF91, Sur07, TA03, UH93, VM97, WOR96].
supplant [Woo14]. supplementary [Tho12a]. supply [PV03]. Support [ADP+15, CRW+15, DHR+15, HFL03, JPL08, KKK+17, LER+17, Ozt15, Ram88, Sds08, SA15, ZQL+04, AR83, ADT13, AA82, ALE90, BCL82, BLS99, BF87, BD84, BMA00, BCD89, CMF+13, CL09, CL87, CS99, CZ14, CFS+12, CY96, CMT00, CHCWH00, CSS+01, CR94, DF92, DHB89, DBMZ08, DMB87b, ESCB12, FSC76, FH76, GSR93, Gra84, GKB+13, HTCU10, HM93, HI183, HH93, IHM89, JDL81, Joh82, KC95, KFM05, KM86, KS95, KH07, Lec74, LCS10a, MJW11, MSL82, MWP07, MHH+95, MH07, McD77, MW12, MDS12b, MTG+99, MB90, Mul89, New92b, New92a, OPZ11, PS12, PQC+09, PHE14, PZT02, RSV87, RFS11, RGG82, RGP82, RW96, Ris76, Roc94, Roos89, SM10, SYK10, SV06, SLL05, SH192, SLK05, SMN+11, SG04, SFS00, Sos94, Stua89, ST08, SKA13, SS86, SL12].
support [Tab10, TML+00, TP90, VCK+12, WK08, WDA+08, WIl82, Yeu99a, ZYL05, ZR14]. supported [MPP+08]. Supporting [BCC+90, EW16, MSL+15, MCN+17, MBN+06, PCH+82, WK89, BH78, DG90, Dvo90, FMB+07, HIl81, Nak01, TKH92, WIl91, ZHW16, ZSH07]. Supports [AK81]. SUPRENUM [SH92]. surfer [TMW+01]. SurfNoC [WGO+13]. Surprise [SHP+16]. Survey [Ber91c, Goh14, RO93, ThO11a, CmWH91, GAG88]. Surviving [LDSC08, PM11]. sustained [BCD12, DK89]. SVP [JLZ09]. SVW [Rot05]. SW [FJB85, JMS88, PB82]. SW-banyan [JMS88]. SW-banyans [FJB85]. swapper [ATS14]. SWAR [CL90]. Sweden [IEE83, ACM01]. sweep [CHV04]. switch [BDJ+11, DR91, Fra86, Hai84a, Hai84b, LHL+89, MBL89, MM82, SP97]. switch-based [SSP97]. switch-level [Fra86]. switchable [CHZ+14]. Switched [RL74a, DS85, DR91, KMS+12]. Switcherland [EO98]. switches [ECP96, Kni91, MB91, TF88, YA90].
Switching [HL15, KDJ83, CH84, LIW84, LIW92, PM92, SD95, TGG814]. swizzling [Wil91]. SX [Fat90]. SX-2 [Fat90]. SXA [Ter87]. sylvan [Bur84]. symbiosis [EE10b].
Symbiotic [ST00]. symbol [Lal73, RO74]. SYMBOL-2R [RO74]. symbolic [BKC14, CHWY13, GRDS87, HAI87, Kie87, LH88, OCF00]. Symbolics [Moo85].
symmetric [AAD90, BMA00, KB92, MDS01]. symmetric-key [BA00]. symmetrical [Maz77]. symmetry [TS90b]. Symposium [ACM80, ACM89, ACM91, ACM93a, ACM95, ACM96, ACM97, ACM98a, ACM00, ACM01, ACM02a, ACM04, IEE76, IEE77, IEE79, IEE81, IEE82, IEE83, IEE84, IEE85, IEE87, IEE88, IEE90, IEE92, IEE94, IEE99, IEE03, IEE05, IEE06, JDL81, Kni75, LS73, ThO81, IEE86, Lei91]. SYNAPSE [NI85].
Synchronization [ACAAT16, AK16, GMT16, LR90, MCS91, MA15, OCY+15, PG16, SA15, ZSH07, AC89, BD86, CSY90, DESE13, GVW89, GS80, GuP89, Hic76, KBG97, LAS85, MT02, MPTT12, MPSV06, MBVS97, RP85, SGC+05, SY89, TYZ90]. synchronization-induced [MTPT12].
Synchronized [LNA08]. synchronizer [CG92]. Synchronizing [FK83, SJ88]. synchronous [BCD89, IM02]. Synchroscale [ORS+04]. SynFull [BJ14].
synonym [PHH16a, PHH16b]. Synopsis
Synthesis [D'H16, LJF+16, LWPG17, MEB15, PP92, SOD+14, EG97, Gas88, Kin83, LS12b, MPH12, Qui84]. synthesizable [CWS+11]. synthesizer [OUY+13], Synthesizing [NP11], synthetic [BJ14, PBL90]. System [AHC+16, AOM+14, AVN+16, BLC+16, BKL+16, Buc78, Chr77, DDK+15, FL76, HTM+05, HSW+00, HCL15, KDL+16, LHM+15, MAHK16, NMS+14, VSM+08, WHZ+17, ZYS15, AA84, AIO+11, AS91b, ACC+90, And73, And90, ALBL91, APT90, Aßm93, AJC+88, BBFP06, BGB98, Bar82, BLAA99, BBZ88, BCL82, BAD+10, BR90, BAC+08, BC02, BR92b, CD82, CDP82, CJM77, CS13b, CO03, CZ14, C1J99, CSSP87, Che92, CS11b, CLS73, CBF93, Cra85, CJ01, CK00, DSG11, Dst80a, Dst14, DSLW76, D590, Dj09, DP76, DPF77, FCJV97, FR89, FSC76, FSS+09, FR87, FSS76, Gao93, GP88, GMC+09, GSS12b, GA79, GYCS06, GPV04, Gra91, GKN80, HW77, HAO886, Ha87, HFL03, HHA83, HWS7, HDK+11, HKD+13, HBJ+13, HMK02, HSS12, ICT85, JST3, KONA82, KTO+12, KM86, Kor74].


Systems [ANS+15, ABC+94, BNE16, CHLS16, DK16, Goh14, HVML04, Hill91, Koa05, LLLG16, Lev92, LLL+17, MSH+15, MM08, Ozt15, RV+05, SHP+16, SDB+15, SGM+15, WHZ+17, ZE16, ABF01, Adl73, AHMN91, ARJS07, AHJ12, ASP+03, ACS+12, Avi83, BCG14, BA84, BS73, BBFP06, BFGP06, BF07, BSK+10, BF73, BSSM08, BBJ+08, BLS99, BF87, Bra77, Bri87b, BB74, BK90, COH+11, CLC12, CSY90, Che90, CGL+08, CG92, CKS16, CKC11, CS80b, CRBJ12, CBC+08, CDA14, CHY13, CRM91, DFF+13, DIY86, DZZ+14, DSH+10, Ebe02, ELMP10, ELMP11, Est02, EST89, GSZ90, Gau85, GCN+10, GKT13, GL73, GL98a, Gra84, GFNW86, HCTU10, HWI+11, HCG+06, HS73, Hill13, HPF86, Hoo77, HEK+16, HX97, HBCG13, ISL96, ICN+10, IH80, Ias74, JD88, JCSK14, KTMY91, KDM92, Kha99a, Kha99b, Kha99c, Kin83].

systems [KOB88, KMS+10, KR80, KB80, KKMH11, Lee88, LAK09, LAS+07, LZZ+07, LCWM08, Lip98, LN92, LG04, LRHM90, MMR+13, MLA+09, Mal80, MP86, MPS98, MSZ76, MPSV06, MAL01, MHH+13, MMAS08, NUM94, NP95, OIA+13, OLG+14, Oya89, PQ+09, PBC+13, PSG900, PIAS13, PL06, PP92, RWB09, RPASA97, RCCQ05, RRO4, Roc85, RBOS07, Ros06, SMB02, SFS04, Sal76, SK13, SNG00, SL93, STV94, SMO89, SFS91, SPA+98, SK888, Sta89, SHM94, SMRT85, ST77, SSP97, TASS09, Tho09a, TL11, TBL12, UMB+11, UMB+12, VPS01, VGSS85, WS07, WE74, WSC08, XT96, YPD83, Yk04, JFY11, ZVN03, vT88, vIG80, Ant91, Ber91c, Fos93b, JWB93, JWB94, KSN07a, Ram88]. Systolic [TW91, BCC+90, CH58, DV87b, FKMD83,
HS85c, Kun88, Mel85, NLV86, Qui84, VGNL89, nZY84).

T [Zho16, BMM14, ACK+95, NPA92].
T.Node [All92], T3D [KC95], T0000 [LR93].
Tabak [Ber91b, Kri91].
table [BCR10, BE03, HH93, JW97, KE91], tables [Ree82].
Tablets [BCR10, BE03, HH93, JW97, KE91].
Table [Zho16, BMM14, ACK+95, NPA92].
Tags [EA02, HR07, RFS88, Sez94].
Tagged [Feu76, GK85, Har86, SA87].
Tags [SH87, Fon03, Gum83, JW97, SM94, WSY95].
Table [Zho16, BMM14, ACK+95, NPA92].
T3D [KC95].
9000 [LR93].
Tabak [Ber91b, Kri91].
Table [Zho16, BMM14, ACK+95, NPA92].
Tablets [BCR10, BE03, HH93, JW97, KE91].
Table [Zho16, BMM14, ACK+95, NPA92].
Tag [Zho16, BMM14, ACK+95, NPA92]. Tagged [Feu76, GK85, Har86, SA87]. Tags [SH87, Fon03, Gum83, JW97, SM94, WSY95].
Tail [HhEH+15, JHK+16, ZMMT16].
Tailor [LWRC10], tailored [UVG14]. Tailoring [CLM07], tale [Bha97]. Talk [Bra82c].
Tame [AVN+16], taming [HBCG13].
tamper [TML+00].
Tapping [WDA+08, GSU11].
Tarantula [EAE+02].
Tarazu [ACRV12].
Target [CHP97, JHK+16, PAM+16, BM09c, KE91, LNEHR11], Target-Driven [JHK+16].
Targeted [SDLR+15, BTS+11], targets [Dvo90].
Tartan [MCC+06b].
Task [AWAG15, CS89, Pri91, Ste80, BCD89, GVY90, GTA06, Hai84a, Hai84b, KTC00, LRMH90, Mil82, OBRW14, RCA+12, Ros76].
task-based [KTC00], tasking [Roo89].
Tasks [KGS16, ZE16, LRMH90, Mar82, MT84].
Taurus [MAHK16].
Taxonomy [LLDG16, Avi83, Gil83, Joh88, Smo89, TH76].
TCB [MPP+08], TCC [HCW+04].
TCgen [Bur06].
TCI [AZRR07].
TCP [Mad94a, BSR06, LCL+16].
TCP/IP [Mad94a].
TCP/IP [BSR06], team [CR94].
Technical [Fud91a, GA79, CR94].
Technique [AK16, ASh86, AP93, CFSRS99, FP91a, HSS94, IBC12, Jag80, Kee79b, Kha97b, LN07, Lan77, LAS85, MPSV06, PV03, RD01, SFS04, SGS11, UZU00, VLZ88, WSY95].
Techniques [DM06, Mon98, MKP05, WEMR04, ZG16, AAM6, AC89, Arm74, BGP+01, BR92a, CGB89, FKM+02, GSR93, GHK89, GHS+91, HAT90, JNK+13, KDD11, KHCM91, MP91, RGP82, RFSS88, Ria80, TYZ90, Thu78, WSS87, YERJ99, FHL91].
technological [AD98, FBH02].
Technologies [Kni91, LN07, NK01, WLZ+09].
Technology [Ant91, Bre10, Emm06, Her06, IEG83, KDS08, PAD16, VSS+08, ZAI+16, BJ78, DCZ93, FFE+00, HRA85, KDS+06, QSR09, ZY09].
Technology-Driven [KDS08], Teenage [Bar11].
Telecommunicators [Dre94].
telecomuters [Dre94].
Telescope [NNIS16, NNS12].
telling [KZ12].
temperamental [NaR07].
Temperature [GB15, SSH+03, WM09, HCG+06].
Temperature-aware [SSH+03].
Temperature-constrained [WM09].
Tempest [RLW94, RLW98a, RLW98b].
template [CWS+11, FAY87].
Temporal [CWD+06, PGSO4, WSH+05, NMTH10, SWAO9].
Temporally [LL02, MA15].
temporary [SP87].
Ten [Yel99, PSS+11].
Tera [ACC+90].
term [AJL14, CS11a].
terminal [CJM77], terms [PSB13], Terri [Ful91a].
Test [LWP17, YHF03, CCV+09, GH90, GKN80, PKP90, MBL+89].
test-and-test-and-set [GH90].
Testability [SV05].
testbed [RES+13].
testing [DRC05, PPZ96, SGB00, SzUK+04, ZMMT16].
tests [MMP+12].
TETRIS [GPY+17].
Texas [Kin75, IEE82].
Text [BNT78, CL09, RB78, TW91].
Textbook [Su74].
textual [BTW77].
texture [CBS98, HG97].
their [BSF+91, Cra88, Jai82, OC78, PLZ09, RJK88, RAJ00, SS89, SS86, VMS88].
them [KBG97, KDK+14, LBL12].
theorem [Gao93].
theoretic [Nik09].
theory [MPM14, Sov83, XDLB13].
Thermal
Thermostat [AW17]. Thin [LMS+13]. third [JSN98].
thirteenth [IEE86]. thorough [KSLE16].
thoughts [Sha80]. thousand [SK13].
thousand-core [SK13]. Thread
[Bet73, BM09a, FURM00, KBH+04, PR05, RWB09, SKS+92, CSM+05, DG99, EE09, EE14, GJ+11, GP08, HK09, JKN+13, KDM+98, MLC+09, MT02, PT03, SBM09, SLT02, SCZM00, TE94, YKL+16, LWRC10].
Thread-based [SKS+92].
Thread-level [FURM00, BDMF10, DG99, EE14, HK09, MT02, PT03, SCZM00, YKL+16].
Threaded [WCT98, cC91, CSS+91, HS13, KHP+95, LBvH06, MLCW11, OA08, RKM+10, SQP08, VIA+05, Wil98, YZ07b, ZdKL+13].
Threading [BFA+15, CCE+09, MLC+09, RRP06, SQP08, kSYHX+11, CH04].
Threads [CTTC06, CASM06, CPT08, DESE13, HKT93, HKN+92, KST11, LWRC10, LPH+09, OL02, WCW+04, ZCSM02].
Three [PAD16, RFK88, SM14, AZA89, DD90, ES74, Lai92, LSFK08, Teo90].
Three-Dimensional [PAD16, RFK88, ES74]. three-port [AZA89]. three-port/three-access [AZA89].
Thresholding [THM14].
Throttling [AGS05, ELMP10].
Throughput
[BT606, CK+16, SAL+05, SN95, TS05, TP15, AFHM01, CG09, CHK+12, CDS+14, FP91b, GJ+11, HCV03, HS13, yKPR02, KSN07b, LKC+10, PD76, PD98, Pat98b, SL92, SVC03, VFMC13, WBKR13, YJE11].
throughput-oriented [HS13]. Thurbler [Mil78b]. thwarting [WL07].
TickerTAIP [CLVW93]. TIDBITS [HRDA85]. tiered
[AW17, UMB+12]. Tightly
[KHBS14, ALE90, Bri87b, Mar85, NI85, SKS+13, SJ88, YMHB00]. tightly-coupled
[ALE90, Mar85, NI85, SKS+13, YMHB00].
Tile [ORS+04, TYSSK11]. Tile-Based
[ORS+04]. Tiled [SPM+06, ZAT05, MSP+06, New92b, New92a, SKC+03]. Tiles
[WDW10]. Time [Fuj91, HS06, MCGL17, SGS08, Wra91, ABR01, AV10, ASP+03, Bat72, CTC12, CTW+13, CG92, CJS99, DP76, DPB77, ELN89, FF73, FHM+11, FTG88, GPF13, GH76, GWM03, HANN96, HBI113, HRDA85, HW95, Jen74, JnWH97, KD92, KLP2, KPH96, LKY+00, LYBC88, LJK+13, LRHM90, Mar82, MPS94, MAL01, MUL89, NMS+00, PQC+09, PPR09, RB00, RHS96, Rid87, RD01, Roo89, SIG89, See89a, See89b, SA89a, SA91, SBM09, SKS88, TRA91, Thn76, THM14, TP90, Wil91, XFR06, YM11, YFP07, YMX+10, ZW16, dRBC93].
time-constrained [CG92].
time-delay [HRDA85]. Time-sequenced
timebombs [CW+06].
Timed
[Zub80, DGY89, Now87]. Timekeeping
[HKM02, MDS12a]. Timely [XFR06, LF00].
times [May82, QFJL12, SM89, TL14].
Timestamp [MSA+90]. Timetraveler
[VAV10]. TimeWarp [MDS12a].
Timing [GW73, ZWSM15, AZ95, CKS16, HF11, ISG07, KCE12, PS77, PS98c, SP98a, YLHL10]. timing-aware [HF11].
timing-error [KCE12]. Timing-Sensitive
[ZWSM15]. tiny [LC02]. title [Rat85].
TLB [BM10, CBJ92, GBHS14, KS02a, ROKB95, SDS00, ST03, SCS98, TDF90].
TLBs [NUS+93]. TLP [SNL+03].
TLSync [OPZ11].
TM [Feu82, LCF+14]. TMC
[KC95]. together [LWRC10]. Token
[MHW03, Lip77a, PC90, PC98b, PC98a, SA87, TCM12].
token-store [PC90, PC98b, PC98a]. TokenTM
[BGH+08]. Tokyo [IEE86]. Tolerance
[SV05, AA86, Ann91, Avis83, Con88, CP11, HBT11, KR13, KW84, KRS0, MS82, MTS10, PBG09, RR06, SH00, SPR00].
Tolerant [GAR+05, LWB08, PGB04,
AGSY94, BSD87, DDY95, FCP92, FF73, FV82, GKN80, KLC94, KR85b, LS82, LIW82, Mar85, MC93, MKKU03, MGBK96, PA73, PJDL06, SKB09, Tem12, TY85, VBS05, WL88, WIPK09]. **tolerate** [TST07].

**Tolerating** [ABC97, CASM06, Luk01, QD99, XYM12, BBM94, GHG+91, LKL+02, NKQ13].

**TOM** [HEK+16]. **Tomasulo** [EKEL01].

**tomography** [MMAS08].

**too** [Bra80a].

**Tool** [HLL+93, TAM+08, BA97, Bur06, Cor89, GBHS14, GSS05, JK13, Man01b, Man01a, MSSZ76, NMS+00, PPZ96, Sch89].

**tools** [ASK85, HS74, Spr07, Sri01].

**toolset** [BBJ+08, MSB+05].

**top** [HS85a, PBWH+11, SW87]. **top-of-stack** [HS85a].

**Topic** [LCCZ17].

**topics** [Smi86].

**Topologies** [PDL15, KMA+12]. **Topology** [KDSA08, KDA07, Tze90].

**Toronto** [ACM91].

**Torte** [Dik90].

**torus** [HWC91, SDGT03].

**Totally** [HS85a, PBWH+11, SW87].

**trace** [LF00].

**TP** [CB94b].

**TPC** [JHK+16].

**Trace** [BBK90, GCJ17, JS00, LHM+15, BJ03, BRS99, Bur06, CNO+87, HWI+11, HB90, Kha95a, Kha97b, KEL91, KSA03, LSBG05, PEP98, RB00, RSYP06, TF01].

**trace-based** [HWI+11]. **Trace-driven** [BBK90, Kha95a, KEL91, LSBG05].

**trace-level** [KSA03].

**Traces** [RAM+04, Sto86, ASH86, BKW90, OQ91, RF96, YHZX14].

**Tracing** [Kha99d, JK13, RGD09].

**Tractor** [LYMY16].

**Tracking** [CLS05, CWY+08, YSCC16, BYG+00, JOW+02, SSC03, SLZD04, TWI+09, ZPS+04, uAM16].

**Trade** [NLS88, SP+06, BDA03, CSM0, MS07, SEI+95]. **trade-off** [BDA03, CSM0].

**Trade-offs** [NLS88, SP+06, MS07, SEI+95].

**tradeoff** [CW02, CS94, Ino05, MHS+03, YJE11].

**Tradeoffs** [CMM+06, JOW94, SV89, TKHP92, AML+10, CH87, CGL89, DMB87b, FJ94, HJB+82, Jou89, JOW+02, LGH92, LAB+11, MYP+16, NUS+93, PN77, PHH88, RCL73, Ran85, Reg76, SFKS02, SLSN14].

**Trading** [MSU97, WM16, WGA+08, LNBZ08].

**traditional** [SKC+12]. **Traffic** [DFD+13, JM88, BJ14, CTW+13, Goo83, GHS6, Goo98a, Goo98b, KMVS12, VGNV05, ZW16].

**training** [GS07, YP98b].

**transaction** [ATT+13, DIY86, HCS+85, RBG+01].

**Transactional** [BNZ08, BGH+08, DDY+16, HW+04, HM93, MS15, MCC+06a, NP17, RG02, RHL05, SDS08, ZL16, BDL07, BRM10, BMV+07, CMF+13, COH+11, CNV+06, CMM+06, DCW+11, DFL06, DLNM09, FMB+07, HCH+04, LCF+14, MTC+07, MBM+06, RRP+07, SSH+07, Tab10, VTS12, WS07].

**Transactionizing** [RVLS14].

**Transactions** [BGH+08, KPS+16b, LSC+17, MCGL17, QST14, RKM+10].

**Transfer** [HCL15, BS73, HS74, KD06, MS07].

**Transfer-Aware** [HCL15].

**Transfers** [DJT94, Hum96, Lip77a].

**Transform** [HS86, NNS12, nZY84].

**transformation** [DJPK16, KSA03, RCC05, SV06].

**Transformations** [SSK17, AC09, CM00, RP99].

**Transformer** [Sch83].

**transforming** [KSE+16].

**Transient** [GSVP03, GV05, RM00, VPC02, HAN12, YZ07].

**Transient-Fault** [GV05, GSV03, VPC02].

**transients** [PM92].

**transistors** [FTP94].

**transit** [CA08, Mac98].

**transitive** [XHB06].

**Translation** [AKB85, AK01b, AK01a, BCR10, Bha17, BRH89, CB17, ABL+80, ACM02b, AS96, BCR11, CLL01, CFG+13, FPP+92, FBG12, GKM09, HS01, HH93, PHH16a, PHH16b, PHB14, QD98, RLS10, SBS16, TDF90, WEG+86].

**translation-aware** [RLS10].

**Translation-Triggered** [Bha17].

**Translator** [KMK16, SSB07, UC01].

**transmission** [CHK+12, OPZ11, RL74b].
Transparent
[AZRA07, CBC+05, HEK+16, KP05, VNN13, AW17, BMW09, LLZ+13, ST03].
transputer [LR93, OQ91, WS85].
transputer-networks [OQ91].
transputers [Hey90]. Trap
[BKSO05, KKN00, YXR06]. TRAP-Array
[YXR06], traps [QD99]. Traversing
[Khu76]. Treadmill [ZMMT16]. Treasurer
[Dic80]. Trees
[CKZ12]. Trends
[McD77, BJR82, Dor82, LB08]. Trew
[Ber91c]. Tri
[SYL13]. Tri-level-cell
[SYL13]. TriCheck [TML+17]. Tridiagonal
[MDSO11]. Triebel
[Ful91b]. Triggered
[Bha17, PPA+13]. Triggering
[EW16]. Trigonometric
[dDIS13]. Trimmed
[VGX17]. Triple-A
[JCSK14]. triple-base
[MS12]. TRIPS
[GMC+09, SNL+03]. Trisection
[TML+17]. Trojan
[BGCG14]. true
[Mas04]. True
[MMT16]. Trusted
[KDL+16, KDP02, SRSW14, ZYLG05].
trustzone
[SRSW14]. Truth
[MJP95]. TSO
[DMT13, MA14, MA15, WW13].
TSO-preserving
[WW13]. TSO_ATOMICITY
[WW13]. TSOtool
[HVML04]. Tsunami
[SKN+15]. TUKI
[FG83]. Tuning
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