Title word cross-reference

3 [Gal80]. 4 [Fos72a].

- AM06, NSH+11], 0.18µ [WW12]. 1
- SKN+15], 10 × 10 [CTHV+15]. 2
- BAES89, MIO+10, SA88a]. 2 × 2 [LIW82]. 3
- AA11a, ASR+17, ACK+95, CBS98, FAYA87, GPY+17, GCG+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].
- DCS+14]. $39.95 [Fer88]. 5
- D [FayA87, OSF+15, SA88a, Tad13, THEK16, TSN+86].
- D-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
accelerate [MH98]. Accelerated
[WN14, AL12, GC11]. Accelerating
[BSSM08, CTW+13, CPI17, GPFI13,
HKE+16, KXWB17, MNS+14, SMQP09,
WZL+16, KKC+16a, OZK+12, PCC+14,
TJ01, VNM+12, VG+10, WWP+03].
Acceleration [CKS+08, GPY+17, NS16,
NGAS17, SLTC16, TM14b, AIO+11,
COH+11, CYH+11, FGVG13, GDN+16,
GSM+99, JMP09, JSMP13, SS14a,
MYP+16, PCL10, SM12, SYP+14].
Accelerator [CHM08, KLKM17, LCL+15,
MCK16, OSF+15, OHW17, PRM+17,
SM17, SOD+14, AB86, BJ+13, CDS+14,
DP12, HGS+16, KJJ+09, LNEHR11,
OIA+13, SNM+16, SRWB14, TYSK11,
Tem12, TPO06]. Access
[AWSS17, BC90b, CSGT17, HIT05,
KORA17, AZ99, AKSD16, APX12, APS95,
BSL08, BD91, BC04, CME+12, CL89,
CSF+12, DN93, Dow91, DSB6, DSB98,
DS98, DSN07, Fos72a, Fre87, HL89,
HK80, HASA14, HDP+90, KK89, KPK89,
KHS+97, Las88a, LQZ06, MSS14b, MC91,
ON12, PVAL95, PT86, RDK+00, SD10,
Smi82, Smi89a, Smi98c, SSR+13,
SCRT78, TLD14, VLL+92, drBC93].
access/execute
[APX12, BD91, Smi82, Smi98a, Smi98c].
accesses
[CYL99, HJ86, PBC+13]. accessibility
[SSKP+07]. accessing
[ACM02b, Fen84, Gou78, HK89a, KDK+14].
accommodating
[iKKM07]. accordance
[Oya89]. accounting
[EE09]. accumulators
[Kee78a]. accuracy
[ECP96, KK99, KPK90]. Accurate
[CPT08, DFL05, DH98, EBS+04,
KGCG17, LB06, TM14a, VGX17, CG94,
EEKS06, KIC+16, LF00, RWA+16, SK13,
VLZ88, ZYGP09]. ACE
[WMP07]. achieve
[EKW80]. Achieving
[AKJ+09, HC89, SNN99, TP08, ACS+12, FP91b, NLS88].
Achitecture
[PAD16]. ACISA
[Bhu83]. ACOS
[NOK+85]. ACOS-4
[NOK+85]. acoustic
[UVG12, UVG14]. acquisition
[MF76]. across
[PM92, Pon91]. activation
[CHCuWH00, ZCX+14]. Active
[OCS98, vECGS92, vECGS98, ACK94,
DMR+11, MK84, SADAD02, vECGS98].
ActivePointers
[SB16]. activity
[YRK07]. actuator
[KC02]. acyclic
[VAV10]. ad
[KMVS12]. Ada
[PCH+82, Roo89]. adaptable
[KKT05, vIG80]. adaptation
[HRT03, TST07, VGNL89]. adaptations
[SHA02, HA04]. adapted
[GPPT02]. Adapting
[EKE01, JLFM15, WCS08, GVC+10]. Adaptive
[AC89, ABZ07, AW04, BCZ90,
CF93, KTMY91, MRH+16, NA83, NY14,
QJP+07, SSR05, SK10, SST06, THM14,
YJE11, AGSY94, AP95, BC93, BKA03,
CYH+11, CK92, GN92, GN98, HC04,
HG10, HBI13, JKD09, JnWH97, KLC94,
KBK02, KKD13, LWR10, NS91, N98,
PIAS13, SDG03, SBS93, YP92, YP98b,
YR98b, ZSKD13, uAM16]. Adaptiveness
[FK17]. adaptivity
[JSN98, LB08]. Add
[THEK16, LGM+14]. adder
[MS13a]. Adding
[Tab10, KMC+93, YCT05]. Addison
[Fos93a, Mad94b, Sch88]. Addison-Wesley
[Fos93a, Mad94b, Sch88]. addition
[Jon90, Jon98a, Jon98b]. Address
[BRC+05, CB17, EMZ+16, WS90, ASH86,
ACM02b, AP985, AS96, BCR11, BJ+99,
BYG+00, BDH+99, BKW90, Bra80a, CKZ12,
Est02, FP91a, FP9+92, Goo87, GUS09,
HK89a, H93, L9f74, LNBZ08, PHB14,
QD98, RLS10, RF96, SWL10, SF03, SBS16,
Ste88, TDF90, WSY95, W91b, WEG+86,
WK89, YK05, Zha01, ZZP04].
Address-Based
[BRC+05]. Addressable
[Che87, McG78, Vra78, Hic77a]. Addressed
[JWK12, Goo88b, Hea76, LLC98].
directories
[CBS88, CLR05, HK89c]. Addressing
[Fen84, ZFP10, CCH+87]
advantage [MTZ13]. 

Advances [Atk79, Gor83, AD98, Sat74]. AEGIS [LM74, GK85]. A´ergia [KS84a, MJ89]. Algol-60 [BBK76]. Algol-60 [BBK76]. 

Algorithm [EW16, Hib80, WN14, AA86, Ams83, CCB+06, Dev90, DSN07, EKEL01, FAYA87, HS85a, JL16, KDSO12, Kav80, KSS2a, MJW11, MS12, MM14a, OCBL12, Rey82, SJ86, SDGT03, WIPK09, Cha92]. 

Algorithms [GFT+15, Kan11, Lei91, AB86, BA84, BAES89, BWJ+90, BC93, BF90, BCS91, Cha90, DJT94, FFW98, GCS11, GNFW86, HWC91, Jon08, Kha95b, KY02, Kuh80, LRW91, MSS14a, MSB+02, NP11, OTS6, SA87, VGNVL99, VJ95]. alias [ADT13]. Aliasing [BE03, MSU97, SLM96]. 

Alibaba [Che17]. alignment [IBC12]. 

ALITER [GSS05]. all-flash [JCSK14]. 

All-inclusive [KSLE16]. all-optical [KM10]. Allan [Lan90a]. ALLIANT [DD90]. allocating [BA01]. Allocation [KSN07a, Par90, GB83, OWCL90, TPĐ+77]. 

Advances [YMST07]. Advanced [SOSD05]. AEGIS [DSM910]. AES [MM14a]. Affine [WL17]. affinity [LS12a, NML10]. Again [PAY+17]. Against [AYQ+16, YGT17, Ino05, Mat91a, Mye77, SM77]. age [WPC+14]. 

aggregation [OBRW14, VGNV05]. aggregations [HPU+16]. Aggressive [LLD+17, PKM17, AK00, LM99]. 


Alternatives [BVR+00, MM92, MKR02, NH96, SSP97, Wool4]. Alto [IEE79]. ALU [HRDA85, KDM+98, PG04]. always [DMS+12, Bhu83]. always-on [DMS+12]. 

AMD [TL10]. Amdeh [AGS05, EE10a, JM12]. AMNIESIAC [AK17]. Amnesic [AK17]. among [T1LeC13, VIF94]. Amorphous [And90]. 

AMP [Dav80a]. AMP-1 [Dav80a]. analog [HGS+16, LHH+16, SNM+16, SY+14]. 

Analyses [WHZ+17, OZK+12]. Analysis [ASR+17, BBFP06, CL89, CGL92, FXZ+17, GTB89, GPPT02, GLA85, JKT05, JKT09, JYP+17, MCN+17, MD88, NH+17, NMS+14, PJ07a, SBZ+15, Sez05, SD95, SA83, TAM+08, TKJ07, Tze90, WG89a, WM88, Woo86, AZ89, AC09, ACC+03, AS92a, AML+10, BP04, BKW90, BM00, CFRS09, CVH04, CSS07, CKC11, CL82, CKDK91, CK00, Cve03, DS06, DS85, DF92, DS02, EPCP98, Fat90, GYCS86, GYC+10, HG97, HM05, HS85a, Hig90, Hli83, HCSO12, HNS77, JM88, JmWI97, KTK12, KPK90, KKT05, KMS+12, KR85b, LJJW84, LBH12, LBE+98, LFH03, Mc82a, MS76, MM82, NM89, Nap86, PQC+09, REL00, SMD+13, SKB09, Sib07, SA88b, SAS90, SK10, SW87, YCR+07, KW84, HHA83, BS9a, CB94b, CK00, Cve03, EAE+02, Kar07, MSB+02, SFKS02, ST03]. alpha-particle [KW84]. AlphaServer [GSSV00]. 

ALPS'07 [KSN07a]. Alternative [YH92, YP98a, BJL+13, Har82, LMB09, MK11, VSMF03, VE14, YP98b].
SKC+03, SS82, TA83, Tho11a, TACT08, VLZ88, WMPO7, Wol89, WF87, Woo85, WO86, WZY13, YGS95. Analytic [SPA+98, HS74]. Analytical [GB87, HK09, KS07]. Analyzers [Che17, WCX17, OYK+16]. analyze [HANR12]. 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, IEE76, 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]. Anton [GBK+13, SDD+07, TGG814]. ANVIL [AYQ+16]. Any [YXR06]. AnySP [WSM+09]. anything [MDHS09]. anytime [SJ16, WSM+09]. anywhere [WSM+09]. AP1000 [HHS93, SH92]. aperiodic [Wei89]. API [CS13b, HFL03, NUM94]. appliances [AIK+05, Nak01]. Application [AW17a, BMP+04b, CDY+17b, HSH96, KCW+09, ME78, TT08, TAM+08, DSM82, EK88, EJK+96, EG97, Fin93, Gai83, HANR12, HDT+13, HRT03, ISL96, JS99, cJC099, KS02a, KS07, KSH91a, LS12b, MS76, MK05, MPSIV89, OUY+13, PjG90, PJ270a, PP92, RSYP06, RAJ00, TS90b, TZZ+16, VPS01, WBS+88]. Application-aware [KCW+09]. application-driven [KS02a]. Application-level [BMP+04b, HANR12, HDT+13]. Application-specific [CDY+17b, LS12b, MPSIV89, PP92, WBS+88]. Application-transparent [AW17a]. Applications [CDY+17a, Fu91a, HJR+16, HTM+05, LLD+17, MAH+16, MBB+15, YCR+17, BP04, BFGP06, BFP07, BMBW00, BI91, BDFM10, CGS09, CS11a, CG92, Cop78, CLR03, CDA14, CHKM93, ELN89, FF73, FURM00, Fra83, GH76, HKD+13, HCW+10, HB90, HKA+01, JSM12, JSMP13, JB97, Kar95, KTC00, LCB+98, LWRC10, LHL87, LS96, LZ93, MJW11, MLCW11, Mad94a, MS13c, MT02, MBS+04, MM14a, NNN+91, NKRL06, OC78, Par75, PGTM99, QMT89, RBH+03, SJLM14, SRSW14, SKC+12, ST03, SK04, SA91, SWG92, TJO1, TMV+11, Tem12, TSN+86, VIA+05, VE08, VGNV05, VM88, VGK+10, YYX+07, kSYHX+11, Yue84, ZT95, HA04]. applicative [SK83]. applied [Arm74]. Applying [SGBO0, VTS12, MT02]. Approach [CL04, HS16, IMMC08, Lev92, MZLN15, PG804, SZBP08, YT04, ASP+99, BK11, BF606, BS08, BRG89, Bri87a, CLL01, CGL+08, CHT+14, Che87, Con88, Con90a, DFF+13, DZ09, EGK+85, FPF+92, FKK+82, Gai83, GWM03, Ho80, HY96, KW13, KS07, KMC+93, Mar83b, MSA+00, MS76, OCL90, RCM+12, RPKG14, SBM02, SBP11, SSH+07, SCZ00, Tan83, WBM+03, WGO+13, YA90, ZSL10, Tab95, HA04]. approaches [SH87]. APPROX [BH17+17]. APPROX-NoC [BH17+17]. ApproxHadoop [GBNN15]. Approximate [GSCM16, JSCM17, PAM+16, RSA+15, SLFP16, ESCB12, KPK90, MYP+16]. approximating [TASS09]. Approximation [BH17+17, FKBS11, SJLM14]. Approximations [GBNN15, VGX17]. apps [AHA+14]. APRES [OKY+16]. April [Fos72a, IE79, IE82, IE94, ALKK90]. Aquacore [ATV+07]. Aquarius [DPS+87].
Arbitrary [SA15, WJZ15, CWS+11, Dvo90, KIC+16].

 arbitrated [PVAL95]. Arbitration [SKJ+17, KC82, MSB+02, TCCM12, VM88, WS07]. Arbor [IEE84]. Archipelago [LNBJZ08]. Architecting [LIMB09, MDS+11, BSK+10]. architects [SAR99]. Architectural [ADP+15, ALE90, BF87, BRC+05, BMA00, BCD89, CL09, CW02, CRW+15, CSGT17, CH87, CMT00, CHKM93, DHR+15, FSC76, Gal80, GSL17, GRD87, HvJDL80, Hic17, HLL+93, HH93, IAD+94, IHM89, Jou89, KMOA07, KKK+17, LGH92, LABR08, Mas96, MCC+06a, NaR07, Ozt15, PHB14, PCDL09, PBGM09, Ram88, RGG82, Ros96, Sat74, Sch73b, SG94, SL12, TM+00, Yue99a, ZYLG05, ZQL+04, AD98, BTM00, CLL01, CMF+13, CMC+91, CMC+98, CS94, CFS+12, DLL+16, DF92, DS11, DBMZ08, EA97, Fer87, GKF84, GB87, Gra84, HO91, Har82, HM93, HS90, HSH96, mW98, İMC+06, Jag80, Job82, KC95, KBS84, KMS+12, KHN07, LCS10a, MSI82, MW12, NEEJ12, NKQ13, Nİ85, NWDR93, PL06, PGRT01, PZT02, RGP82, SYK10, SLLG05, Sta89, SSP97, TNN87, VCK+12, WHG07, ZR14, dKNS10].

architectural-level [BTM00].

Architecture [ACM05, ACM89, ACM91, ACM93a, ACM95, ACM96, ACM97, ACM98a, ACM00, ACM01, ACM02a, ACM04, ACAAT16, ABZ07, BTR850, BKSO05, Bat80, Bat98b, Ben82, Bhu83, BCT06, CTHV+15, Chu77a, CBC+05, CGL89, Col88, DCC+87, DCC+98, DKD+15, ESCB12, FR89, FXZ+17, FKMD83, GSSV00, HMT86, HJCJ06, HTM+05, HYHD95, IEE76, IEE77, IEE79, IEE81, IEE82, IEE83, IEE84, IEE85, IEE86, IEE87, IEE88, IEE90, IEE92, IEE94, IEE99, IEE03, IEE05, IEE06, JLFM15, KK84, KNP06, Kin75, KBH+04, KOA05, LKM+05, LWB08, LJDL16, LLW+06, LS73, MSS+15, MCK16, MCN+17, Mil77b, Moo85, MRH+16, PED+08, Pat06, PGH+83, PQNT16, Pou77, PZK+17, Ros73, SCU+14, SLG+05, SOM+08, Sin92a, SHMZ94, Tak88, TS05, TLM+04, Tho81, UBF+84, VRB+17, WJZ15, WCX17, Whi78, YXR06, ZWM+14, ZH17, APGP07, AAM76, ALKK90, ABC+95, ABC+98]. architecture [Aga98, AA82, ACC+03, ATV+07, ASP+03, And90, ALBL91, ABL+80, AAG+86, AFNV90, AAG+98, AP76, Asl84, ABm93, ACM+98b, Aup80, AML+10, BGM+00, BGP+01, BFGP06, BFP07, Ber76, BB90, BC91, Bic84, B87, BSF+91, Bon13, Bou75, BC04, BR92b, Bur84, BAB88, CMF+13, Cal74, CD82, CBK+14, CLVW93, CL94, CCE+09, CES16, Che81, Che92, CLX+16, Chu77b, Cit03, CNO+87, CmWH91, CLS3, Cox79, Cra85, CC05, CRM91, DG90, DK85, Da10, DKK07, Das83, Dav80b, DRC05, De 90, DCB+94, Den80, DM74, Den76, DM98, Den98, Den03, DJ09, DP80, DMB87a, DP89b, DP98a, DDP5, DK89, Dor75, DV87b, Dow87, Dow88a, Dro99, Dur83, Dvo90, EO98, Ega82, ED83, EAE+02, Est02, EE93, EEKS06, FD87, FB08, FB92, Feu76, FC92, FF73, FR72, Fon03, Fos73].

architecture [FeOBA05, Fra83, FHH+89, FAYA87, FSS73, GAS16, GK78, Geh14, GK85, GSS12b, Gil83, GS12, Gs74, GthL+85, GHMK11, GS80, HG97, HR91, HW80, HF88, Har86, HTCU10, Har73, HFWZ87, Hay77, HJS00, HSW+00, HKN+92, Hir86, HLS05, HSC+90, HK90, HC85, HK77, HW95, Hu85, HKA+01, HG88, HC99, HP86, HP98, HoWHP98, Ian88, Ino05, IBC12, IT84, ISKR86, JZL09, JSL+13, JW82, JBW89, JB97, KHP+95, Kees79b, Keh76, KJ+09, KKC92, Kie87, KL03, KKC+16b, KL91, KGC98, Kno73, KSS+95, KS91b, KACG88, KBC+00, KMT91, La03, Lap90, Lap91, Las89b, LMND76, LR93, LHV+16, LS12b, LWS75, LNEH11, LSY+14, LL14, LDD+16, LH88, MK84, MPPZ87, MPJ+00, Ma00, Mar85, MK12, MVCA97, May82, MC93, MSP+06,
architecture

architecture [MIT89, MSCI13, Nae85, NSMK11, NNN+91, NOK+85, Nap86, NPA92, NKS86, OYK+16, PCL10, PMPM96, PN88, PSB13, PC90, PC98b, PC98a, PJDL06, PIAS13, PT86, PGH+87, PDP+13, PSB10, QMT89, QFLMK10, RGD09, RSPY06, RC80, RF90, REL00, Ree80, RAC99, Req83, RHS96, Ris76, Riv79, Rob78, ROCR5, RG91, Ros06, Ros76, Ron86, SyYH+89, SNL+03, SCP80, SCP+82, SJ86, Sch73a, Sch83, SK83, SV06, SV82, SVC03, SD00, SH05, SA88a, SEI+95, Sin92b, SGS11, SSA13, Slo73, Sni75a, Sni75b, Sni90, SDP85, SA83, Ste77, SW74, SCRT78, SLSN14, SH12, Tag85, TYNM86, TJ01, TRA91, TWC+01, Tan77, THL+86, Ter87, TTT82, Tre80, TH82, Tre83, UHI3, Ulm95, Uml97, UZU00, UZ19, VR73, VC72, VF85, VRV+14, VBS05, VSM+07a, VSM+07b].

Architecture-Adaptive [MRI+16].
architecture-compiler [CBK+14].
architecture-Level [SOM+08].
Architecture(R) [MBBS13].

Architectures All92, BRUL05, BKSO05, BHM+17, CSBA17a, Cha92, CB17, DFKC17, KKC92, KKK+17, KLS08, KSO08, KTR+04, KZT05, LRC+08, Loh08, SLFG06, SPM+06, AA11a, AAD90, ABC97, ABS98, Bay99, BHBL87, BCDL07, BCZ90, BHS91, BBBM94, BD84, BKG97, Cha90, CLM07, CF82, CCB+06, Cra79, CGVT00, CJDM99, DO82, Das83, DL87, DSBBK04, Eij90, FKBS11, Fis83, Fis98a, Fis98b, FGVG13, FSA90, FPC+97, FV82, GVY90, GTBJ89, GB83, GL98b, GTK+02, GMR89, GZuRC13, GN89, GNL13, GNW86, Han78, Hol89, HL85, JH94, Joe90, Kar95, KB92, Kav81, KBB+82, KF79, KS99, KNP+07, KTS+13, KSC16, KMC+93, KL94, KMS+10, KBR99, KCE12, Kus86, KHC92, LRC+16, Law76, LL88, LS12a, MLCW11, MST07, Mar83a, Mat90, Mel85, MNLS97, MPS1898, Mus09a, NCLJ09, PT91, PPA+13, PSP+12, Pes74, PARAKA13, PAVT16, RTY+87].

architectures [RGG82, RGP82, RE12, SGG+85, SRWB14, Sha80, Smi82, Smi98a, Smi98c, Smi14, SV89, SJC92, Str83, SMQP09, SMJ+10, SKA01, TYSSK11, TH03, TE94, TKG+02, TF79, Tmc88, VFK+04, Wir87, Wou14, ZYGP09, ZSHG07, RL17, McD88, Le91].
Archival [BLC+16].
ArchRanker [CGT+14].

ArchShield [NKQ13].
Area [AMPH09, CDY+17a, KS99, KSL08, SPM+06, THMN14, AA11a, BC02, CS13a, Mar74, WSY95, WIPK09].
Area-efficiency [AMPH09].
Area-Efficient [KSL08].

Area-Performance [SPM+06].
Area-time [THMN14].
argument [Mat91a].
Ariadne [AGSY94].
Ariel [Fra90].
Arithmetic [JPT14, VNNM06, DSG11, FDS8, MIO+10, SNM+16].

ARM [DN14, DLL+16, SRSW14].
ARPS [Thu76].

Array [KR85a, KAO05, YXR06, ZHI17, AJ77, ABS98, BT89, Bur84, CP90, CH85, Fis86, FM84, HKK80, HK98a, JB82, JKN+13, JCSK14, KPK89, KTK+86, KW11, MS87, Mic92, NLV86, New92b, New92a, Ng94, OT86, Os89, RV84, Red73, SY10, SYH11, SV74, TA83, WW12, WJS5, YL84].

array-processor [SWY10].
arrays [DBP+04, FK83, GHK89, LK91, MM92, Qu84, SFV+04, SSAC13, SGH93, Tho13a, TLD14, Tho76, VJ95].

arrival [ZW16].
Arts [An08b, Lin76, YL84].
Arthur [Ber91c].
articles [sta80a, Sta80b].

ASC [WAA+14].
Asian [TTTL10].

ASIC

Assignment [BJ03, GWM03, Mal80, RCM+12, RP99]. Assist [BKT87, KKM+06]. Assistance [LNEHR11, Sch73b]. Assistant [HLZ+15]. Assisted [AH12]. Assisting [NKQ13]. Associate [LS77]. Associative [BTW77, Mar73, Mil77b, SS88, AP93, AR80, Arm74, BB74, CP98, GGP+13, HR00, HFH+91, Jou90, Jou98a, Jou98b, Mon98, PA73, SFS04, Sez93, WQL92, WHM02]. Associative/parallel [BTW77, AR80].

Associativity [QTP05, BS95, DG92, KJLH89]. Assumptions [ABD+15]. Assurance [AHC+16]. ASSURE [SLP+09]. Asymmetric [DHT15, MA15, CBGM12, CS+16, GCN+10, JSMP13, KKKM11, SSR+13, SMQP09]. Asymmetry [BRUL05, TWB16, QFJL12]. Asymmetry-aware [TWB16]. AsyClock [HNK+17]. Asynchronized [DGT15]. Asynchronous [FW82, HCL15, HNK+17, Nis91, DFR017, VTH17, BLS99, DR91, GSS05, GM90, HSS0, Hir86, IM02, MBL+89, Nae85].

Asynchronously [LL16]. Attacks [YGST17]. Atlanta [IEE99]. Atlantic [Bra82b]. Atom [LDSC08]. Atom-Aid [LDSC08]. Atomic [BNZ08, IKK16, KK5+08, SKB+17, AT11, ADT13].

Atomicity [AM06, LDSC08, BNS11, LTOQ06, LCS10a, NRS+07, NDZ10, PLZ09].

Atoms [SAA17]. Attack [CLR05, LWH+16]. Attacks [AYQ+16, CZG+15, MMT16, CS13b, Ino05, KOAJP12, MDS12a, MMJ05, WL07].

Attributes [Avi83, VBE92]. Attribution [ZMMT16]. ATUM [ASH86, SA88b]. augmentation [Tho12a]. Augmented [MS82, DSN07, KTO+12, MS80]. Augmenting [TM11]. Austin [IEE82]. Australia [IEE92]. Authentication [YEP+06]. Author [An004a, An005a, An006a, An008a]. Authors [An082]. Automata [SD17]. Automated [BS73, KS07, LWPG17, SDWF13, SC01, XLW15, DZ09, SCA13, TS09a]. Automatic [AK17, BA06, Chr77, CM00, FFM11, HBT11, KDA12, KDP+16, LSFK08, MVB15, Qui84, SDLR+15, CBK+14, EG97, Fen84, GKT13, MSZ09, OKJ+13, SLP+09].

Automatically [LLL+17, SHC02, Bar06, RR04, SW87, WAA+14]. automation [NK86]. automaton [SJ16, TLLL07].

Automating [Mat78]. automotive [RBH+03]. autonomous [Che05, JCSK14]. autonomous [HGC10]. auxiliary [NNS+90, SD10]. availability [ARJS07, SM02, SMWH02]. Available [Ber91c, JW89, TMC+06, ZYMS15]. avenues [RKB+09]. AVF [SK10]. AVIO [LTOQ06]. avionics [And73, KM74, Sat74]. Avoid [Mud96, BLS99, HC03]. avoidance [Kun88, LC13]. Avoiding [LBN02, UVG14, GIS10, LCS10a]. Aware [BL17, CMR+06, GNB15, GCO+04, HCL15, HABZ17, KYW+17, KORA17, KSCK17, LSL+17, LCCZ17, MMB08, ORS+04, PR05, QLMP06, RL17, SABR04, TT08, YGST17, CS+16, DK13, DK14, ELM11, FeOA05, HFJ11, HSC+11, JNA+S12, JKN+13, KCW+09, KKD13, LFZE00, RLS10, SLC12, SSH+03, SCN+10, TWB16, WRSY16, Won16, LJVM12]. Awareness [CYMT16, RAM+04, BK05, HK09]. Away [SAA17, HLS05]. AxGames [PAM+16].

Fin93, GN89, Hen06, Joh04, Mas04, PBL90, PJJ07a, PJJ07b, PL06, Pon91, SW90, Si07, Spr07, WO89, YLT06. benchmarking [CLC12]. benchmarks
BCD12, BM09c, CG94, CTYP02, CPT08, DL87, DH98, ECP96, EPCP98, GYCS96, GL98b, JNS98, KK99, KT91, MTS10, MS97, PEP98, P94, RBS00, SLM96, SFKS02, Smi98b, Smi98e, SCAP97, TYS94, TL10, TFWS03, VSMF03, WR84, YP92, YP98a, YP98b, YGS95. branches [DW90, Gun90, HCC89, KE91, KJM+07, KJC06, MH86, TYS94, TFWS03, UZU00, VSMF03]. Branching [Dvo90, Lap91, McL91, OWCL90]. Breadth [MNS+14, MSH+15]. break [DB07]. break-even [DB07]. Breaking [BLJ+17, GMT16]. Breeze [Den03]. brick [KMOA07, LG04]. brick-based [LG04]. bridge [DS89, SKC+12]. Bridging [PVB17]. brief [CnWH91]. Brinch [Whi78]. Bringing [GBNN15]. British [ACM00]. broadcast [EHA03, JW95]. broadcast-free [EHA03]. broadcasting [FM84, KR85a]. Browser [PVB17]. browsing [LS+12, ZR14]. Browsix [PVB17]. Bruijn [PVB17]. BSP [MAD94a]. BTB [BM09c]. bubble [Ria80, YBM+13]. Bubble-Flux [YBM+13]. Bubbles [Cha78a]. Budget [WM16]. Buffer [CBRJ12, TIVL05, AKB85, BRGH89, BM09c, FP+92, Ino05, JADAD06, OSKA14, PBC+13, PN77, SK04, SWC+95, Tic88, ZSHG07]. Buffer-on-board [CBRJ12]. buffering [ANHN95, DSB86, DSB98, DS98, GCLM85, KHC91, Mull97, TW77]. bufferless [MM09]. Buffers [MABY15, BCG99, CFG+13, Jou90, Jou98a, Jou98b, RRK95, PK94, SW87, TF88]. bug [CCM08, DZ09, HHS13, LPSZ08, WZJ10, ZdKL+13]. buggy [RKGM14]. BugNet [NPC05]. Bugs [HSK15, HABZ17, LLLL16, LLLL17, MCXS16, BKMN10, CG86, GCZ+11, KZC12, PLZ09, VTSL12, ZSL10, ZL0+11]. Build [BNZ08, BNE16, CGS90, DHR+90, SRSW14, WY05]. Building [DBL80, LZC+17, OCCK03, SCU+14, ARJS07, BG80, Coo73, FB92, ICN+10, MGBK96, POU77, SFV+94, ZLZZ09]. Bulk [CTTC06, CTMT07]. BulkSC [CTMT07]. Burroughs [May82]. Bus [AN17, Aic92, Bra80b, BK89, CH+12, EK89a, FP91a, GH90, GCLM85, HS80, HJL89, JSS88, KM86, K82, NS86, PH88, SA92, TE93, VC94, VBS05, VM88, Wi87, WH88, ZZP04]. 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, Fu91a, MG78, Vra78, DB93b, CGB89, CRW+15, CDG+17, DBMZ08, DM82, DMB87b, H88, Won07]. C-21 [Fos72a]. C-240 [BD93b]. C [Sch91a]. C.mmp [Fu76]. CA [ACM93a]. Cache [AW04, ACB86, CH01, CCCS87, H84a, H84b, HIT05, JW97, Jou93, KHM01, KTG+17, KORA17, Lin81, LLN+17, MRG12, McF92, MBS16, PH90, QLM06, SZBP08, Smi85, SZ88, SSZ05, Str76, Tab95, TD91, TBS17, WGA+08, WSC92, YGST17, Zha06, AAV91, ASH98, ASH98, AWC+11, AZ05, AZK06, AB84, AS14, ATT+13, APS95, AK00, BJ14, BW88, BW98a, BW98b, BD93a, BC90, BVGL00, BJ03, BD64, BR99, BC04, Brit97, BKB90, CG95a, CKA91, CV88, CS06b, CY96, CMB+13, CF93, DDS94, Dah95, DB07, Dev90, Dev93, DM82, DB82, EK89b, EK89a, EP88, EE93, FFTP94, Fon03, FP91c, GAS16, GH90, Goo88a, Goo83, GH86, GW88, GVV89, Goo98, Goo98b, GMT89, HG97, HRR0, HKE+16, Hen98, Hig90, HS84, HM+05, HHC99, HC89, Ino05, IS92, JL16, JTSE10, JNA+12]. Cache [JVF13, JS99, Joh89, JMH97, JADAD06, Jou90, Jou98a, Jou98b, JLN96, JB97, KS14, KEW+85, KHP+95, KR13, Kha97a, Kha97c, KS99, KBK02, ...
Kro98a, Kro98b, KADS04, KKD13, KKP14, LRW91, Las88a, Las88b, Las91, LKL+02, LYL87, LLCP94, LBCG95, LS12a, LLG+90, LS92, MPT91, MAD11, Mat91a, MPS94, Mic92, MC91, MB91, Mou98, NG09, NO94, NRKS05, OKY+16, OMB91, OMB92, OA89, PK94, PP84, PP98, PEP98, Pat98a, PGH+83, PH88, PT10, PHH88, PHH99, PEB+09, RB500, RC91, RSYP06, RBV07, RF96, RSG93, RS84, SK11, SD87, SHBS14, SZ97, SSKP+07, SLQK12, SH91, SA88b, SG83, Sni86, Soe94, SHV+98, Ste89a, Ste89b, SJG92, SBS93, SKD+10, SS6, TK07, TE93, VRV+14, VLZ88, WBL89, WL07, WG89a, WAC+10, Wii87, WOR96, WEG+86, WK89, WLZ+09, XTW96. cache [YZ07a, YW92, YPDS3, Yue99a, Zah03, ZYG00, ZVN03, ZSKD13, Ili87, QTP05, Smi91, Quo94]. Cache-Based [YGST17, MC91, PH88, PEB+09, SD87, WL07]. cache-consistency [VLZ88]. cache-coherent [BD93a, GV88, GVW89]. cache-filtered [RF96]. cache/bus [Wil87]. cacheability [Bri87b]. Caches [KRM08, OH16, TIVL05, YNQ17, Zha03, AP93, BFG+07, BK96a, BK96b, C85+16, CSB86, CB88, CP98, C8J8, CRG+11, DL92, DSN07, FaRP98, FK+02, FK+06, GCS11, Goo87, Goo98b, HFFA09, Irw10, JVF13, KBK02, KKT05, KW89, LR00, McF89, MDS+11, MB07, NRRK05, NKRL06, NLS07, Nil90, PFZ96, RA00, SF04, Sez93, Sez94, SL88, SLSO13, SK08, VS92, VJ95, WQL92, WSY95, WO97, XL09, YE09, ZYG09]. Caching [BSAD04, BS04, CS06a, BCR10, BHS12, BFS+09, CG91, CGB89, CB98, FP91a, GUK09, HGC10, HY96, JW94, yKPR02, MA09, MBK90, NH97, PHH16b, QJP+07, WSY95]. CAD [HB90, KB80]. Caddie [PP83]. CAE [GC11]. CAI [Adl73]. calculating capacities [APS95, BNA88, Ste88]. California [IEE79, IEE03]. Call [CS13b, Feu82, Kar89, LYK+00, PA88]. Calls [GC86, Lam82]. Cambricon [LDT+16]. Cambridge [Par90]. Camino [HMJ05]. CAN [Har74, Mui96, Nik89, SKC+12, BJL+13, MPP+08]. Canada [ACM91, ACM00]. Canonical [CWS+11]. Cap [ZH16]. capabilities [AF73]. capability [MB80, WWC+14, Wi82]. capability-based [MB80]. Capacities [KKB+17]. Capacity [CPV05, WAG+08, YNQ17, ZM05, KMR012, MSU97, RBV07, SHK+07, SLQK12]. Capo [MHKT09]. capping [KZA+12]. CAPRI [RE12]. capturing [ASH86, BJ14]. Carbon [KHN07]. Care [dOFD+13]. Carlo [CTW+13, SL05]. cartographic [BF03]. Case [AOM+14, CTH+15, CS80a, GSN05, JPL08, KSCK17, LS15, QMP06, SAL+05, SAB04, BDL07, BCDN87, BD93b, BK05, C8X+11, CL94, Con88, CDK+94, CMLV04, DCW+11, DN93, D90, D89, GLA12, Gkz+07, HNTL11, Joh91, KSL+12, KMA+12, KBD+13, KADS04, LZ93, Mac96, MVD11, M09, Mac77, NKRL06, NP95, OSKA14, Par02, PD80, SN96, SM77, Sez93, SBS16, SG94, TWC+10, WQL92, Wie82, YN09, YHZX14]. CASH [ZHW16]. CASPAR [GMT16]. CASSM [CLS73]. casual [TM+01]. CAT [WSY95]. Catalog [Mat78]. Catnap [DNSD13]. Causality [HNK+17, KKS+16]. Caxton [Ano99, McG78, Vra78]. CC [FW97, KLHJ88, LC96, MNL97, OML83, SC05]. CC-banyan [KLHJ88]. CC-banyans [OML83]. CC-NUMA [FW97, LC96, MNL97, SC05]. ccNUMA [LL97]. CDO [SM12]. Cedar [KDL+93, GKL95, ASK85, KDL+98, YVK+98]. cell [CM87, DZC+13, KK08, SYL13, TGP10]. Cells [GSM16]. cellular [BT89, BG90, CLS73, CT74, Lip73, SBM02, SA86]. center [CBE+12, PMZ+10, RRT+08, WDG+16]. center-wide [WDG+16]. centers
AV10, KZA+12, LWH+16, LDK14]. central [SDV+87]. centralized [KM86]. centrally [BSD87]. centric [STND+13, VBYN+14, ZYG00].

century [Hil13]. CFP [HR09]. chaches [WQL92]. chain [BF73]. chaining [DC09]. chains [BRB02]. Chair [Ano06b, Ano06c, Ano04c, Ano04d, Ano05c, Ano05e, Ano08d].

chairman [Har74]. Chairs [Ano08c]. challenge [Har73]. Challenges [Kan11, Wit16, Dav14, Est02, LYBK11, RKB+09].

Challenging [ZWS14]. Chameleon [PS12]. Change [WJZY15, JZY14, Lar11, LIMB09, QSR09, QFLMK10, QJQL12, SWL10, SYL13, ZYZ09]. Channel [AN17, MWM04, YGST17, Dal90, DMWS12, Dug83, Isa74, Las87, MDS12a, SKA+11, WL07].

channel-to-channel [Isa74]. channels [Dow91, KPKJ07, SSJ+16]. Chaos [KS91b, GKZ+07, KS91a]. character [Cou90a, Hea76, Vin77].

character-oriented [Hea76]. Characteristics [PHH89, AE01, HO91, LCB+98, LPSZ08, NI85, OKY+16]. Characterization [BCG+08, CB94b, YRK07, ABR01, BGB98, BGM04, EK88, EC84, EC98a, HGS+07, KPH+98, NS14, Sib07, WOT+95, EC98b].

Characterizing [MMAR10, UMK05, MTPT12, SPHC02]. charge [JZY21]. Charles [Par90].

CHARSTAR [RL17]. charting [OT73]. Chasing [SAA17]. CHDL [Su75]. Cheap [CL87, PGVB04, FGAM10]. check [CCEH00, KKN00]. Checking [BK1+16, BNE16, HABZ17, MCXS16, AHK08, BNS11, SIG89, SH87].

Checkpoint [HP87, SMHW02]. checkpoint/recovery [SMHW02]. checkpointing [AGT11, BMP+04b, DP12]. checkpoints [KRS13]. checks [Hil81, NPCF08].


Chichester [Ber91a]. chill [Mid82].

CHIMAERA [YMHB00]. Chimera [PPM15]. Chinese [Gao93]. Chip [ACAAT16, ABC+17, BHM+17, CS06a, CMR+06, FK17, JPL08, JKT05, JKT09, KPY+17, KNP06, KDOA08, KSL08, KKS+08, LNA08, LNR+06, WMW04, PED+08, SSZ05, SOSD05, TTO8, TKJ07, VIA+05, ZA05, AA11a, BT13, BSL08, BGM+00, BM09a, BM10, CHX+11, CJK+05, CHZ+14, CSM+05, CJS8, DMMM10, DNSS13, DRC05, DFL05, DCS+14, DVT12, Den03, DJPK16, DSN07, E1P88, FB08, FaRP89, FTP94, FKMD83, FHS2, GSVP03, GHKM11, HGC10, HSS4, HS10, HSS5+07, IKKM07, JW94, KK08, KDS06, KBK02, KNP+07, KM10, KMS+10, KMS+12, KSN07b, KH07, KADS04, LAS+07, MJW11, MDS+11, MVD11, MPSV06, MM09, NUMS94, OPZ11, PPK+09, SYY+89, SP84, SGC+05, SLOK12, SK10, TGS14, TEL95, TEL98a, TEL98b, VS92, VT14, WSY95, WMW09, WGO+13, WO97, XYM12, XGC+10, ZA03].

chip-multiprocessor [DSN07, ZA03]. ChipLock [KF05]. chips [Bha97, FK80, HQW+10, MA+06]. Chisel [HCJ06]. choice [Sm85, E+96].

choices [BAC+98]. choose [KF08].

chromodynamics [TG10]. Chu [Mil77].

Cider [AHA+14]. Circuit [IPK08, JPL08, NNS16, AML+10, DGY89, DSS5, HFJ11, KKC+16a, LN07, LIW84, MS13a].

Circuits [HKLS00, RBOS07]. CISC [BC91, Bha97, CHJ83, Jon88a]. CISCs [BCDN87]. CITC[AT][RF96]. Clank [Hic17].

class [BAS2, DG92, Fre74, GSKF03, KDJ83, SGB00, SC89, SH80, SS86, VS92, ZELV02].

classic [Bar82]. Classification [D06, KHC091, MB16, SGG+85, K99, Ros77a, TZH+13, VFCM13]. classifier [HT10]. clause [WW89]. clauses [Chi89].

Clearing [FAD+12]. Clearwater [IEE76]. Client [Mad94a, CSBA17b]. Client-Server
client [CDL13]. Cliffs [Ber91b, Fer88]. Climbing [CY06]. Clock [AHKB00, Dav80b, ORS+90, MSS+03, PP88, WJMC04, Alb98].


Clouds [KZVT17, OSK15, FAK14]. CloudSeer [YJX+16] Club [VSH91]. clues [YMX+10]. cluster [BJ03, DK14, LZ09, MCA97, SKS+13, VSM07b].

clustered [BDA03, BMP04a, BJ03, ZK90]. Clustering [GVY90, LSL+17, GZu91c]. Clusters [GAAD+05, HJrCH16, HL15, SXYH16, ACRV12, CS09, EO98, LQL12, SBS11, TPL10, YKD01].

CM [KC95, SGS+93]. CM-5 [KC95, SGS+93]. CMIP [Mad94b].

CMOS [CCS87, LN07, WW12, Wu95]. CMP [APGP07, AMPH09, CWS06, GPV04, GKLZ+07, RKB+09, SRJ+05, SSKP+07, YCR+17].

CMPs [AJK+09, AK16, CAD09, CP05, GW10, HMM+05, JSMP13, MDS+11, MVD11, SQP08, SLSN14, YL16]. CNNs [TRM17].

CNNs [RHR+17]. Cuvlutin [AJH+16].

CN [AVN+16, HS06, KSC17, MG78, Vra78, AMPH09, BKA03, CBK+14, GSM+99, KC02, LGM+14, Ano04c].

co-adaptive [BKAB03]. Co-Chair [Ano04c].

Co-Design [AVN+16, KSC17, CBK+14, KCO2].

Co-Designed [HS06, LGM+14].

color [Goo88b, CBS88, Goo87, CF93, DB82, EK88, ES74, HK94, MGBK96, SJG92].

ColorSafe [LCS10a]. Colorado [ACM97].

colored [ES74]. coloring [AK00].

Collect [Hib80, CH04, FKC+06, HHA83, JBP09, KTK12, RP05, RYD7, TF01, WK09].

Collective [SBYH16]. Collector [GTS+15, WK08]. collectors [GTSS13].

Collapse [HCJC06, WN14, HS80].

Collision [HCJC06, HS80].

collaboration [Chr90]. Colorado [ACM97].

colored [ES74]. coloring [AK00].

ColorSafe [LCS10a]. Columbia [ACM00].

Column [AP93, CP98, GC84].

Column-associative [AP93, CP98].

COMA [FW97, FFDH00, JH94, MGBK96, SJG92].
COMA-BC [FFdDH00]. COMAs [QD98]. combination [MP91, Ria80].

combinational [MS13a]. Combinatorial [SLTB+06, Tho03e, WLY84]. Combined [DDS94, KC96, UZU00]. Combining [BZ87, CG91, GRH06, Gum83, JHK+16, KW84, UMB+11, ACM02b, MGH+96, OCF00]. concurrent [RRRV09]. Come [SGS08, VM88]. Comer [Mad94a]. comes [Lor90]. Comics [Wak81]. Coming [Mil87]. Comment [Woo86, HK90, WO86]. Comments [AF73, CBS88, CS80a, Goo88b, Woo86].


Commodity [GAAD+05, SHP+16, ZLJ16, ARJS07, COH+11, CGL+08, NPCF08, SFV+04, TASS09, UMB+12]. common [BDLM07, TKG+02]. Communication [ACAAT16, CPV05, HPJ+15, MDR+00, OA08, SXYH16, YMM15, AD98, AA82, AA98, APR89, BDA03, BVR+00, BR92a, BCC+90, BCD89, CHK93, Dow91, EO98, Ebe02, EST89, FH76, FR87, GTB89, GTK+02, GS80, Hic76, Ho80, HHS93, Jai8, Koh92, KBS84, KNP+07, Kun88, LMDN76, LR77, MVC07, MS80, MFH96, NS74, OQ91, OT86, PBN83, PA88, RSV87, SHI92, SA91, SG95, Thu78, WWA01, ZCS02, ZBJ+02, vECC92, vECS98, vECSG98, nAM16].

communication-exposed [GTK+02]. communication-parallelism [BDA03]. communications [JMY89, KC82, TF88].


Compatible [Bhn83, MM14b, LBH12, SS86]. competing [AAHV91, KB92, KKS+15, MM92, ZH16, EA97, GA01, HCD+94, HFJ11, HSS94, TMW+13, WS87]. Compile [MPS94, GWM03, K92, Mul89]. compile-time [GWM03, Mul89]. compiled [Las89a]. Compiler [CY96, FH82, GGV90, HPJ+15, HA90, NWB+15, RSEW04, TYZ90, ZCSM02, ACK+95, BLAA99, BAD+10, CBK+14, CS94, CGL89, CNO+87, CHcmWH00, CBC+08, CSS+91, FTM99, GKT+02, HC88, HC89, K92, KPH96, Lal73, Las91, Lee72, LYK+00, LS92, SC90, SDH+14, SAR99, TL00, UZU00, WL9+14, Wie82, ZRMH00, HMJK05, RGP82].

compiler-controlled [CSS+91]. Compiler-directed [GGV90, CHcmWH00, LS92]. compiler-flag [CSW94].


completion/silent [HR09]. complex [NA83]. Complexity [FJ94, PJS97, PGS04, TP08, ASP+03, DV87a, DZZ+14, Har73, KR85b, SKA01]. Complexity-Effective [PGS04, PJS97, SKA01].
Complexity/performance [FJ94].
component [Nak01]. components [EEKS06, MSCS13, SFV+04]. composing [CWS+11]. composite [Tho10b].
Compositional [MCN+17]. Comprehending [YHZX14].
Comprehensive [FBG12, LWPG17, TAM+08, GS80, LB08, LPSZ08]. Comprehensively [KJS+06]. Compressed [JSCM17, PRM+17, HLM+16].
Computation [BFA+15, CWS06, Chr77, HPJ+15, Hick, Iva91, LJJ+16, LHM+15, LLN+17, Mud80, OFS+15, SKN+15, SOD+14, WL17, BVC04, CLX+16, CHCmWH00, DG90, Fis86, FKT+89, GTBJ89, GKB+13, GHS+10, HW80, Kie87, MST07, MCC+06b, MS07, Nis91, OCS98, PB80, RSF11, SWY10, SYH11, SH05, SYP+14, WAA+14, WCF01, Yue99a, vEGS92, vEGS98, vEGS98].
computation-communication [GTBJ89].
Computational [FZL16, RES+13, AIO+11, MSS14b].
Computations [Bow79, VGX17, CH85, FHH+89, IHI08, KKO08, LS12b, Mar00, ML05, SW90, SHNS86, VSG+10, ZWS14].
Compute [VRB+17, SC92].
compute-bound [SC92]. Computeach [Hol83]. computed [VSMF03]. Computer [ACM80, ACM89, ACM91, ACM93a, ACM95, ACM96, ACM97, ACM98a, ACM00, ACM01, ACM02a, ACM04, AK17, Ant91, Atk79, BS76, BS98b, Buc78, CS80a, Col88, Col90, Den74, FFR72, Fos93a, Fos93b, Fos73, FSS73, Gor83, Hol83, IEE76, IEE77, IEE79, IEE81, IEE82, IEE83, IEE84, IEE85, IEE87, IEE88, IEE90, IEE92, IEE94, IEE99, IEE03, IEE05, IEE06, JWB93, JWB94, JDL81, Kin75, Lan76, LS73, LR77, McK74, Mi177b, Mi177a, Mo83, Mud96, Pat06, Ram78, Ros73, Ros76, Sch88, Slo73, TQC+15, Tho81, Thu78, Adl73, All76, ACC+90, And90, Asl84, Aup80, Avi83, Bat72, BBZ88, Ber76, BF73, Bou75, Bra82a, Bra92b, Bur82, CDP3, Che81, CLM07, CMP+88, Chr77b, Cit03, CT74, Cox79, Dal10, Dan93, Dus83, Den80, DNB+11, DP80, DP98b, DP98a, DK89, Dor75, Dor82].

computer [Dri99, Ebe02, EKW80, Ega82, EWN05, FBM07, Fon03, GWS98, FSS76, GMC+09, Geh14, GB87, GB74, Gil83, Har73, Har78, Hay77, HS73, HJS00, Hill13, HHSI03, HK77, IEE86, Isa74, JD88, JB82, Jen74, JS88, Jor83, KFGS84, Kar95, Ker74, KSE+16, Kn073, KSS+95, Kun86, Lap03, LP80, LP98, Lap90, Lap91, Las89b, Law76, LMND76, Lin76, Lip73, LC96, MK84, Mar85, Mar83b, MT97, Mat90, ME78, Muk97, Nap86, PD80, PS98b, Pau13, Pay78, Pes74, PNB83, Pne83, Pie98, RHZC74, RC80, RL76, Ree80, Riv79, Rob78, Ros86, Sal76, Sat74, Sch73a, SGNG00, Sib07, Slo74, Smi75a, Smi75b, Smi82, Smi98a, Ste77, SMRT85, ST77, Su75, Thu76, TPD+77, TF79, TSK+83, TSN+86, TH82, Tre83, Tur79, VR73, VC72, Wak80, WE74, Wei97, Wil83a].

computer [Wul88, YPD83, Ye09, YSY+90, vT89, KRM83, PS98a, Wit76].

computer-based [Sal76]. Computers [Bow79, CYMT16, CYG+17, Dor75, HLZ+15, HK90, IFW06, KSO08, MSS+15, Mud80, Wak81, AA86, AS92a, BT89, CT90, Cra88, Don83, Don85, Don90, Don92, EGK+85, EHA82, Fen84, GW73, GPF13, HHL16, IS92, Kav81, KBD+13, Las87, Las88b, Las99a, LHPL87, LV88, MT13, NP90, Phi84, RFK88, Sld92b, Sld92a, Sta86, Str76, SG95, TMW+13, Tho76, TS10, Wra91, YBM+13]. Computing [All92, Ban15, Bar11, Ber91c, BRC+05, LRC+08, NLV86, NY14, PAM+16, RLD+17, SCU+14, Teo90, TMC+06, Wil16, ZAI+16,
Coordinating [GK81, MAHK16, SCRT78, LQL12, SKD+10]. coordination [FG91, OBRW14]. coping [UNM+95]. coprocessing [Deb89, ML05]. coprocessor [CSJC10, GPR87, KAC88, RF90, SC92, TLLL07]. coprocessors [CS00]. Copy [MT16, MPS89, TML+00]. CORAIL [Pou77]. CoRAL [VTGH17]. Corasick [TZH+13]. Core [IKKM07, KTR+04, KZT05, MGT+17, SHP+16, AJK+09, ARJS07, AIK+05, AMPH09, BM10, CHZ+14, CSN+05, DCS+14, ELMP10, ELMP11, EE14, GW10, HATA08, JZLO9, KST11, KW13, KJ109, KSCE16, KKKM11, LCWM08, Loh08, MLCW11, MLC+09, MST07, MTP12, MBS+04, Mus09a, Mus09b, NSMK11, PBC+13, PBM09, RBW09, SK13, SMQ09, SMJ+10, TBC94, TL11, UVG14, XL09, YZ07b, YLHL10, ZW14, ZWH16, ZSHG07]. core-level [YLHL10]. CoreDet [BAD+10]. cores [AFGM10, CWS06, CWS+11, CLG+14, HD510, Mat10, MAF+09, PM14, RLVC10, SW16, SDR11, UMC+10, VJE+12, VSG+10]. CoreSymphony [NSMK11]. corner [Sho74a, Sho74b]. Corona [VSM+08]. Correct [SD87, LYBK11]. correctable [MAD11]. correcting [AWC+11, Che84a, WAC+10]. Correction [JHK+16, Mac90, Bos84, GM84, GHKP89, Rao84]. correction/detection [Bos84]. correctness [AF73, MHW03]. Correlated [BJR+99, TFWS03, YGS95]. correlating [LFF01]. Correlation [SLM96, DC09, EPC98, SM12, SLT02, V94, ZRZ+14]. correlator [Mar74]. correspondence [GS07]. cortical [HTBL11, SM14]. cosine [PSB13]. Cosmic [HSS12]. Cost [AMH+16, CLC90, MCK16, MSH+15, Reg76, YEP+06, AZK06, AML+10, Bet73, CA94, CZ14, CK92, DW90, Den76, Dev90, HCC89, JS88, K96, KDA07, KJM+07, LSSG05, MH86, MG91, OCL90, PT10, PZT02, Ria80, R89].
Sez94, SCP+06, TDF90, Tri80, UVG12, WSY95, WGH+97, WL88, WAC+10, YE09.
Cost-Effective [MCK16, MG91, OCL90, PZT02, Ria80, WGH+97, WL88].
Cost-efficient [MSh+15, KDA07].
Cost-optimal [CLC90], cost-performance [PT10].
coteries [HWC91].
Counting [BKL07, FKC08, Hen07b, SBM09].
Counters [ACJL13, DMS+13, GMF+11, Hen07b, SBCM09].
Coupled [RBK08, DS11, FKC+06, JMP09].
CPU/GPUs [PHB14, RvD77, SP98a, Smi86, VFCM13].
CPU/GPUs [PHB14].
CPU/2000 [CH01, Cit03].
CPU02000 [Gov07, GS07, Hen06, Hen07b, Hen07d, KC07, PJJ07a, PJJ07b, Spr07, WH07, Won07, YRK07].
CPUs [WY05, WDA+08].
Crafting [TOL+11].
Crash-Consistency [BKL+16].
CRAV [ACK+95, DD90, VSH91, KCG+95, SA83].
Crav-1S [SA83].
Crav-2 [DD90].
CRAV-T [ACK+95].
Crazy [Tsa16].
CRC [AA11b].
Create [DFK17].
creating [FSS+09, MST82, TZZ+16].
creation [NOK+83].
CRF [SAR99].
CRIB [GL11].
CRISP [DM87, DMB87b, DMB87a].
criteria [ME78, Par75, Ria87].
Critic [FSR+04].
Critical [GH88, HSKS15, LKM+05, ZSG+17, ZE16, DESE13, EE10a, FRBO1, HHS13, KS14, LZC+16, LPMZ11, LCG+14, MBK90, SMQP09, YL16].
critical-path [FRBO1].
Criticality [ANMF08, DESE13, BM09a, GLM13, ScJLW01].
critique [AI83].
Cross [WCX17, Kar89].
cross-domain [Kar89].
Cross-End [WCX17].
crossbar [BH91, DR91, LHL+89, MM82, YA90].
crossbars [Dow88b, NP95, SM+16].
Crosshatch [Ng94].
Crossing [OHW17].
Crowdsourcing [PAM+16].
CRUISE [JN+12].
crunching [BBD+89].
crypto [BK05].
cryptographic [MS+13, ML05, YLT06].
cryptography [BGM04, BMA00, MS13b, SH05].
CryptoManiac [WWA01].
CSR [SHP+16].
CTA [SL+17].
CTrigger [PLZ09].
Cubes [PAY+17].
CUDA [FFM11, LBH12, MM14b].
CUDA-compatible [LBH12].
Cultural [Mat78].
culture [Pau13].
Cummings [Lan90a].
Current [MH+82, Sta80a, Sta80b, Cha78b, Lai92, Ria80, sta79].
curve [BGM04, MS13b, SH05, ZPS+04].
curves [TASS09].
Custom [LRS07, SUC+14, SKS+13, TM11].
customers [ZH16].
Customisable [GTL13, GLVC13].
customizable [FBF+00].
Customization [CBC+05].
customized [SRW+14, SC01].
Customizing [YLP+17, CLR03].
Cutia [Ant91].
Cyber [Ozt15].
Cyber-Physical [Ozt15].
cycle [EE09, HANN96, KKP14, ZYGP09].
cycle-accurate [ZYGP09].
cycles [WBA17].
cyclic [HKT93, JYV13].
Cyclone [EHA03, HJH90].
Cyclops [ACC+03].
Cydra [DH89].
Cyrus [HD+13].
cytocomputer [LM80].
D [BAES89, Bur02, Lan90b, FY83, AA11a, ASR+17, ACK+95, BFG+07, CBS98, FAYA87, GPY+17, GCG+14, ISKR86, KDS+06, KNP+07, KKC+16b, LNR+06, Loh08, LG04, MDS+11, MIO+10, MAS+06, OSF+15, SKN+15, SA88a, SLSN14, Tad13, THEK16, TSN+86, UMB+11].
D-NUCA [BFG+07].
D-SPTF [LG04].
D-Stacked
Loh08, GCG+14.
D-Stacking [UMB+11].
D. [All92, Kri91]. **D2D** [SHBS14]. daemons [Hol89]. **DAISY** [EA97]. Daily [Tak88].
damping [PV03]. Daniel [Ber91b]. **DAP** [Red73]. Dark [EBS11]. **dasCMP’05** [JKT05].
**dasCMP’06** [TKJ07].
dasCMP’08 [JKT09]. dasCMP’09 [TKJ10].

[LLG+90, LLJ+92, LLJ+98, LL98]. Data [APD01, AK81, BHM+17, Bra77, BOC04, CSBA17a, CKmWH16, Che17, Chr76, C2G+15, DGT15, DMD+17, FM84, FP91c, GTS+15, IWP908, KZC12, KYY83, KORA17, KDBA78, MS82, MM14a, MBS16, Mul89, MMS14, NBH+15, Ph85, RSY06, RB107, Req93, SGH97, SMJ+10, Tak89, Tic88, TTVL05, UJ92, VF85, WCX17, Wil98, ZLJ16, ZLJ17, AHMN91, APP+14, AV10, ATHM86, APT90, APS95, BK11, BBK76, Ber80, BTW77, BFS+09, BLL+83, BMM14, CDP82, CDPS+83, CCE+09, CGS09, Cho90, CB94a, CF+12, CFS+12, Chu77a, CDL13, CJG02, Cop78, CF93, DM74, DBL80, DM98, Den98, DC90, DSM82, DJT94, FFW98, Fen84, Fos72a, FG83, FR87, Gau85, GLH88, GK78, GB74, Gil83, GRR74, GTA06, GGV90, GWM03, GBY+16, HP+16, HM93, HR90, Hom82, HEK+16, HA90, Hum96, HP86, HP98, MWH98]. data [JW95, JCO99, yKPR02, KSCE16, KL91, KL94, KZA+12, KPR+08, KW98, KHC92, Lafl9, Lec74, LLCP94, LAB+91, LWH+16, LPMI11, LJK+13, LDK14, LCS+10b, LM99, Lun75, MM83, MS80, MSB+11, MS87, MPS89, MS07, MBV97, MF76, MKM+83, MSQT09, MMAS08, MDH509, NRK85, NKRLO6, NI85, NS74, Nit89, OZK+12, OCS8, PPM96, Pah80, PSP+12, PMZ+10, Pri91, PT03, RL74a, RT+08, Ros77a, RS99, RVD07, SJLM14, SK86, SSJ+16, Sha98, SHNS86, SEI+91, SFH98, SCS+10, ST08, TAK87, TK07, TYZ90, TPO06, TBC94, TJS83, VS92, WE74, WDC+13, WS90, WL10, WCG14, WBKR13, WD9+16, XBH03, YTY83, Y904, WY98, ZYG00, Kro83, SHBS14]. data-control [PMPM96]. data-driven [GLH88, YTY83].

Data-flow [BS06, CV+09, DM74, DM98, Gau85, TXS83]. data-intensive [CGS09, MSB+11]. Data-parallel
[CKmWH16, MMS14, LAB+11, PSP+12]. data-races [LCS+10b]. data-reconstruction [Yok94].
data-similar [BSF+99]. Database [MM14b, Pra82, BH78, Bra77, Ch78a, Hak85, HK77, KMI+85, LR93, LBE+98, SCRT78, WLP+14, ZBJ+02]. databases [BH78, Gou78].

datacenter-scale [BS+11]. Datacenters [BLJ+17, GNB15, DK13, KGL+13, GSU11, GWSU12, WRS13, WGS+14]. Dataflow
[Hu85, NGS17, SP+06, YSY+90].

BBJ+08, Bic84, Bur82, CES16, CA88, GB78, GTBJ89, GPF13, GVC+10, GDH89, HG86, HP86, HH88, Ian98, Kap87, KHP+95, LS12b, MSP+06, NMB92, Nik89, Nit89, PT91, PM11, Roc85, SyYH99, SK86, SKS+92, SA87, TFWS03]. dataflow-based
[TFWS03]. dataflow/von [Ian98].

DataScalar [BKG97]. David [Mad94a, Bow79, Goo88b, Mud80].
day [HLS05]. DBAR [MJW11]. DBNS [SMD+13, SG11]. DC [Wak81]. DCatch
[LLL+17]. DCD [HY96]. DCNN [RLD+17].

DCT [PSB13]. DDA [KS84a]. DDDP
[KKY83]. DDOS [HBCG13, PQNT16].

DDR4 [MHHK+13]. DRDx [Bi12]. deactivating [CRG+11]. Dead
[LOF01, AFGM10, ADS+13, BS02, NP95].

dealock [LOF01]. deal-instruction
[BS02]. Deadlock [ED17]. Km88, LN91, AP95, KCW+09, KKK76].

Deadlock-free [ED17, LN91, KCW+09, KKK76]. deadlocks [PW97]. DeAliaser [ADT13].
deal [BFGP06, BFP07]. Debug
[EW16, FVJ13, PT03]. debuggable
[MS12]. Debugger [CHLS16]. debuggers
[AR83]. Debugging
[NPC05, RSA*15, ZQL*04, AGS89, CL87, DZ09, DP12, HT14b, JH82, KP05, LCS10a, ScH73b, VNN13].
Debunking [LKC*10].
Decade [Bar11, Woo14].
December [LS73].
Decentralized [NS74, HW80, LG04, LuM85, RS84].
decimal [Ris76].
decision [AS*99].
declarative [SBRP11, WWW*88].
Declustering [ABC97].
declustering [KL02].
de coded [IS92].
decomposed [KNP07].
Decomposition [WJZ15, VGSS85].
Decontacting [DBP*04, GAAD*05].
Decoupled [BCS04, GRH06, HR90, RPW96, Sez94, SDB80, Smi82, Smi98a, WL17, WD10, ZLZZ09, APX12, CP11, GHL*85, KHC92, SKA01, TJ01, WKJ12, Smi98c].
Decoupling [CYL99, HH16, JSAM10, KBG*17, LHZ*17, HCB804, KCE12, MHW03, OSA14].
dedicated [Sch83, SC92].
Deep [HABZ17, RLD*17, VRB*17, AJH*16, HLM*16, MW12, RWA*16, VBS05].
deeper [SC02].
DeepQA [Fer11].
Default [MGT*17].
Default-On [MGT*17].
defeat [YK05].
Defect [SV05, PJDL06, SCP*06, Tem12].
defect-tolerant [Tem12].
defects [Par88b].
Defending [VGST17].
Defense [PQNT16, LWH*16].
Defenses [AN17].
Defined [DHR*15, TBS17, OLJ*14, SBS13, TM08].
Definition [DiK90, AH90, AH98a, AH98b, Lee73].
definitional [KBS84].
definitions [FRA83].
defragmenter [PSP*12].
degradation [DI90].
degraded [TLD14].
degradings [KNP06, CSSP87, ZSO0].
degrees [EE14, Kha99d].
DejaVu [VMN*12].
Delay [TLM*04, VC04, ZA05, DeM96, DM87, HRDA85, KBK02].
delayed [PHH16a, PHH16b].
delays [HBJ*02, PD76, PD98, Pat98b].
Delft [FR87, Rui86].
delinquent [CVT*01].
delivery [KDO6, RAC99].
DeLorean [MCT08].
delta [AS92a, TXZ09].
Demand [GMF*11, KKJ*13, MSS*15, QT05, GKI09, NLP14].
Demand-based [KKJ*13, GKI09].
Demand-driven [GMF*11].
demonstrating [DCS*14].
Demultiplexing [BS06].
DeNovoND [SKA13].
DeNovoSync [SA15].
Dense [RLIC06, WJZY15, Rui90].
densities [GM84].
Density [GSCM16, GPV04, GCG*14, KKC*16b, MHhK*13, Ste89a, Wan01].
Denver [ACM97].
departments [Slo73].
Dependable [SLFG06, Par88b].
Dependence [GRH06, HNP15, RBK08, ADP01, CE98, RBR02, SAS90].
Dependences [CASM06, MBVS97].
dependencies [JJV13, NPC06, RVD07].
dependency [AS92b].
Dependent [YT04, Dev93, HKE*16, HY85, Yue81].
depth [EWN05, HP02, HBJ*02, YMST07].
derivation [MSZ09].
derivative [Ann91].
Deriving [HS73, RR04].
Descent [DFRO17].
describe [OT73].
descibing [EG97, Wak80].
Description [SC89, Das83, JS73, MSSZ76, Su75, Van81, WP87].
descriptions [Hem06].
descriptor [BB74, Vel76].
descriptor-based [BB74].
descriptors [LLC06].
Design [AMB93, AOM*14, AVN*16, BK76, BAC*98, BS84, CYH*11, CIZ99, DMB87b, DR91, ED17, EBS*04, Fer88, FK80, FTG88, GMT89, JD88, JKT05, KGT09, KGSS17, KHP*95, KY02, KM86, KM74, KR85b, LNR*06, LIW82, LCL*16, MS13a, McL90, NUS*93, NHK*85, PA73, RL76, RCV*05, RYF*13, Rui86, SFKS02, SOSD05, TAV10, Tab95, TAM*08, TIVL05, TKJ07, VHL73, WW06, ZWSM15, ZAI*16, AWC*11, ALBL91, AKB*89, AMPH09, AML*10, BS73, BA74, BFP03, VRB*00, Bhu83, BDJ*11, Bou75, Bra82a, Bra82b,.
BKB90, BM09c, CBK+14, CCGS7, CDT+14, CZ14, CY96, CH87, Cra85, CR94, DN14, Das77, DO82, DPB77, EP84, EKW80, EE10a, FW97, FCJV97, FSS+09, FL76, FSS76, Gai83, GR8+08, GP76, GSSV00, GB83, HG97, HR00, HAO86, HS73, HS90, HY85, HRDA85, HIm+05, design [HSN77, HS85c, HSS12, IMC+06, Isa74, IT84, JZY14, Joe90, JW97, Jou82, Jou89, JOW+02, KS07, KC02, KSCK17, Lan77, LGH92, LYL87, LRS+08, LR77, MSAD91, Mar83b, McK74, MD88, Mil82, Mil87, MSSZ76, MRO2, MB07, NK86, NMS+00, NO94, NH096, OT86, Oya89, Pay78, PP83, Pes74, Phi84, PH88, RRR02, RCL73, Ran85, RHZC74, Rod85, SYH11, Sav85, Sch89, SRW14, SC01, Sl74, SS85, SV89, SV74, TA76, TTTL10, Tur79, UMC+10, VDT4, VFK+04, VE14, WLG+14, WS74, WFC87, Woa85, WO86, WLP+14, YY92, YKDO1, ZRMH00, ZY00, Hol83, Su74, TA83, design-oriented [Sl74]. Designed [HS06, LGM+14], Designing [BF90, HW87, LRC+08, SGNG00, Tri80, WO07, As84, CM8+12, DSOF11, GSS12a, GGK+82, GGK+98, GRD87, LMS+13, MSh07, PBB14], Designs [RGSJ17, TMC+06, BJL+13, CNS+11, GCG+14, Lai92, OCF00, SWC95, WL07], desktop [BDFM10, FURM00, LCB+98], desktops [Dow88b]. Destage [VJR95], Destination [RFS88, MHS+03], destination-set [MHS+03], Detailed [MKR02, ACC+03], Detecting [AHMN91, LLL+17, LSDC08, ZF03, CF93, CWO0+06, LTQZ06, ZSL10, ZLO+11], Detection [GV05, NSA+17, RCV+05, TS05, TP15, ZLH16, ZLL17, ACM05, BM06, BWW05, Bos84, BS02, CG06, DMS+13, DSR+93, FAH83, Ger80, GMF+11, HC04, HHS13, Jai82, LS82, MC91, MSQ09, NSQ16, NSH+11, QT tq13, RM00, SGK+04, UVG12, WDC+13, WCG14, ZRZ+14, DWS+12], detections [ISG07], detectors [UVG12, UVG14], Determination [UVG12, UVG14], Determining [PAM+16], Determining [CDY+17b], determinism [LWV+10, SKA13], Deterministic [LB17, LLLG16, NPC05, NLP14, Rid87, TLLL07, BAD+10, Bon13, CHCW10, DLO09, DNB+11, HR09, MHKT09, OAA09, XBH03], Deterministically [MCT08], DEUCE [YNQ15], Developer [LJH+16], developing [Bre10], development [BS08, BR92b, Coo73, HAO86, Hen07b, RM77, SBS13, Sch89, TAM0, YHF03, YSY+90], Deviations [NSA+17], Device [DFKC17, XLWZ15, DJ09, KS12, KRS13, KTO+12, KHBS14, Lafa8, Lafa00, RKM+11, SBQZ14, SBVP11, TSLe13, V194, YHZX14], device-driver [YHZX14], Devices [BCSB11, MABYT15, KC74, LJK+13, LRS+12, NLS88, RSF11, RKG14, SDWF13, SLSN14, WADA+08, ZLZZ09], Devirtualizable [LS04], devirtualization [KJM+07], DFT [BHS91], DFTL [GKU09], D Gates [ASR+17], DIGIT [Sch89], DIABLO [TQC+15], Diagnosabilities [Wan93], diagnosability [YZP+11], diagnosable [HS73], diagnose [AJL14], diagnosing [Ebe02, TAV10], diagnosis [ACJ13, Mal80, PC83, Wan93, YMX+10, uAM16], DianNao [CDS+14], DICE [YNQ17], Dictionary [Fis84, SA84], Did [DK17], Die-stacked [JVF13, SLSO13], Diego [ACM93a, IEE03], difference [GPF13, JLN96, KZC12], difference-bit [JLN96], different [Reg76], differential [GLH88], Differentiated [MSS+15], Difficult [CTYP02], Difficult-path [CTYP02], digit [MS10], Digital [Alv93, Chr77, BA74, BNP04a, DP76, FSS73, GP76, GSS12a, GSS12b, GW03, JS73, KKC+16b, KB80, MS13b, OT73, Smi14, Sch83], digital-signal [GW03], digraph [FAY83], Dijkstra [AM+12], Dileep [Tab96], dimension [Gut87], Dimensional
[PAD16, SAL+05, BSSM08, ES74, HS86, LH88, MK84, RFK88, SM14, YL84, nZY84].

dimensionally [KNP+07].
dimensionally-decomposed [KNP+07].
dimensions [Teo90].
DIMM [GGP+13, ZLZZ09].
DIMMs [YCMR12].
Direct [CM87, Chu77b, HIT05, SCP+82, Zha06, AP93, EHA82, HFWZ87, Jou90, Jou98a, Jou98b, KD06, WQL92, Wil78, YW98, SHBS14].

Direct-execution [CM87, Chu77b].
Direct-Mapped [Zha06, AP93, Jou90, Jou98a, Jou98b, WQL92].
direct-to-cache [KD06].
Direct-to-Data [SHBS14].

Direct [CM87, Chu77b, HIT05, SCP+82, Zha06, AP93, EHA82, HFWZ87, Jou90, Jou98a, Jou98b, KD06, WQL92, Wil78, YW98, SHBS14].

direct-to-cache [KD06].
Direct-to-Data [SHBS14].

Direct [CM87, Chu77b, HIT05, SCP+82, Zha06, AP93, EHA82, HFWZ87, Jou90, Jou98a, Jou98b, KD06, WQL92, Wil78, YW98, SHBS14].

direct-to-cache [KD06].
Direct-to-Data [SHBS14].
dominant [MTZ13], dominated [KBBK02]. Don’t [Sez96, BCR10, HSS12]. Dorado [Pie83].

double [BdDPT10, BBBM94, KT91, MS10, Rou86, SGS11]. double-width [KT91].

DoubleClick [VLW+11]. doubling [CL09].

Douglas [Mads94a]. down [PBWH+11].


dragon [AM87]. Dragonfly [KDSA08].

DRAM [LJVM12, BSK+10, CJDM99, CJ01, GDN+16, HS93, HSS12, JVF13, KBG+17, KSL+12, KDK+14, KSC17, LIMB99, LZZ+07, LPMZ11, LLZ+13, LJK+13, MLN+12, Mar00, MMH+13, MM08, NKG13, OSKA14, PKM17, SSJ+16, SLSO13, SSR+13, SKD+10, SCN+10, UMC+10, YQ17, kSYHX+11, ZCZ+14, ZZL09].

DRAM-based [GDN+16]. DRAM-system [CJ01].

DreamWeaver [MW12]. DRFx [SMN+11].

Drive [GSN05].

Driven [JHK+16, KDS90, KYK83, BP04, BKB90, DCC+87, DCC+98, DRR89, GLH88, GMF+11, GKB+13, HB90, KS02a, Kha95a, KEL91, LSSG05, MM83, MSB+05, MTG+99, OTS6, RVD07, SZD+08, SKS88, SQP08, TBL12, VK1+00, WW89, YTY83, YW89].

driver [LNEHR11, RKM+11, YHZX14].

drivers [K12, MSZ90, RKG14].

drowning [HC03]. Drowsy [FKM+02].

DRPM [GSK03].

DSL [Z98].

HCSO12, SGM+15. DSM [LF99, SHV+98].

DSNS [KMT91].

dSP [CS11a, JLFM15, MS13c, McL90, PP03, RP99, SSAC13, TH03].

DSPs [ISJ04].

Dual [KKS+15, KSL08, KSK+16, GM82, MAL01, SC05].

Dual-Function [KSL08]. dual-link [SC05].

DudeTM [LZC+17].

due [DI90, KE91, UVG14].

duet [LSY+14].

dumps [WZJ10].

Duo [AOA+14].

Duplication [Jai82, SABR05, LRHM90].

durability [SWL10].

Durable [LZC+17, ZZY09]. during [KD06].

Dusty [FKC+06].

DVFS [KSN07b].

dwarf [WBS+88].

Dynamic [ADP+15, Alb98, AS92b, BT13, BWMA05, BS02, CKmWH16, CT90, CJ88, FP91a, FJ185, GS05, HTC10, HBHA02, HSC+11, JSSN89, KGCG17, LW95, LPH+09, Mat92, MS05, MT16, MBVS97, MS16, PPM17, PSB10, RS84, SZ+15, SS97, SD09, TS10, VJM99, WGG07, WK09, ZSG+17, ZR05, ZPS+04, BJ03, BM09a, CL16, CKS16, CHCnWH00, DS02, EA97, EA02, EHA03, FBG12, Fos72a, GGH92, GTBJ89, GYCS96, GVC+10, GA01, GSKF03, HL89, HSS94, JMK+08, KJ+07, KC82, KBD+13, LJ90, MSS14a, MSS+03, MCD+08, MK12, McD82a, McF92, MTN+00, Nap86, OZK+12, PGV02, PS12, PMZ+10, PS94, QD98, RCC05, SAB+05, Sh89, SL96, SS07, SLZD04, TMW+13, TFS03, TL00, UC01, VM97, WRSY16, WOR96, XJK+16, YP93, YJSE12, ZJG+11, An089].

Dynamical [KLKM17, Lev92].

Dynamically [BDA01, BDA03, ICN+10, RAM+04, SRJ+05, CSJC10, CO03, FCJV97, HGC10, KKT05, KM91, KP05, LWRC10, LM76, LCS10a, PIAS13, RRRV09, RLS10, SWL10].

dynamically-hazard-resolved [KMT91].

dynamically-scheduled [FCJV97].

dynamics [AIO+11, SDD+07].

dynamism [MTJ13].

dynamo [WDG+16].

DySel [CKmWH16].

DySER [JLFM15].

e2 [PSB10].

eager [KPG98, Uhl02].

Early [BYG+00, DLMN09, FAB+96, JOW+02, SDR11].

easy [Hig90, HCSO12].

eat [KBG97].

EBDa [ED17].

EC [BT13, KSL16, SLSB10, UMB+12, YE09, YE10].

ECG [TZH+13].

ECMon [NG09].

economical [AB84, MPT91].

ECOS [ZELV02].

ECP [SLSB10].

ed [Col88].

EDDIE [NSA+17].

Edge [KHG+17, CCB+06, DSBB04].

edited [All92, Col90, Par90].

Editing [OC78].
editor [Hen07a]. Editors [Ful93, BGP+01, BFP05]. eDRAM [JSL+13]. eDRAM-based [JSL+13]. Eds [Ber91c]. Edsger [AMM+12]. education [Har73, Kno73, Ros73]. educational [BA74, Cor89, PPZ96]. Edward [Fre88].

EEG [Hu55]. Effect [Kum87, BEH91a, CSW94, DV87a, Ega82, EK89a, GM98, GL89b, Mid82, MI91, OWCL90, RR77, ZSL10]. effect-oriented [ZSL10]. Effective [KKN00, MCK16, PGS04, RS99, SF03, CHK+12, FG01, KZA+12, MTC+07, MG91, OCL90, PJS97, PS14, PZT02, Ria80, Ste88, SCA01, WGH+97, WL88]. effectively [AZK06]. Effectiveness [PR05, CRG+11, DCW+11, JS88, PEP98]. Effects [AD98, DB82, FB92, MVCA97, THEK16, BTS+11, HGS+07, KHC92, LJS+02, YLHL10]. Efficiency [BL17, Bia17, HGTW05, LB08, MTU+15, SFM17, SLG+05, TM05, WM16, ACM02b, AMPH09, BFG+07, CKS16, CM+13, CLG+14, FPC+97, Ham09, KSN07b, LAB+11, MS13b, OKY+16, PAVT16, QHS+13, RLCV10, SCN+10, Tan77, WKJ12, WOR96, Won16, YJE11]. Efficient [AWAG15, AGS89, AK16, BM91, BGC+13, BGH+08, BEL+00, CWY+08, CTH+15, CB17, DK16, EBS+04, EA02, GPy+17, GVW89, GS85, HCV03, HC15, HSBA16, Hum96, IBC12, KBG97, KN06, KSL08, KS95, Kuh80, LJD+16, LNRG12, MABYT15, MBBS13, MKP05, OSF+15, PHP16a, PHP16b, PPM17, RGP82, Ros89, SSK+13, SMN+13, Smi14, ST79, SA15, TMC+06, THNM14, TTTL10, TXZ09, Wit76, WLZJ17, YNQ15, ZL16, ZH17, ZQL+04, APG07, AWC+11, AP95, BKA03, CGS09, CZ14, CES16, CZS+16, CFS+12, CS06b, CP11, DGY89, DK14, FHM+11, GHW90, GJT+11, GZnRC13, HLM+16, HCJC06, HCSO12, HBI13, HDS10, IMK+13, JSL+13, JOW+02, KS14, KR13, KDS+06, KS99, KDA07, KM10, KDP+16, KMS+10, LB06, LWV+10, LWRC10, LS12b, LDK14, MJW11, MGH+96, MK90, MC91, MS+15, MPSV06, NSMK11, NY14, ON90, OAA09, OYK+16, PSC06]. efficient [PSP+12, PT86, RP99, RG82, Ria80, RL14, SB05, SK11, SYH11, Sla83, SSJ+16, SYL13, Sez86, SSAC13, SDP85, SA84, SDR11, SQP08, SKA13, TGP10, UMB+11, VF85, VLZ88, VE14, WW13, WIPK09, WBR13, XJK+16, kSYHX+11, ZZY09, ZSHG07].


Eliminating [APX14, WSM96, MGW09, MTPT12]. Elimination [Cha92, BS02, DSR+93, EA02, KKN00, MK12, ZJG+11]. elliptic [BGM04, MS13b, SH05]. ELLPACK [HRC+90]. EM-3 [YTY83]. EM-4 [SKS+92]. EM-Based [NSA+17]. EM-X [KSS+95]. embarrassingly [ZWS14].

Embedded [CBC+05, Koa05, LNEHR11, ORS+04, PAD16, SST06, ABR01, AIIK+05, BBFP06, BP04, BGM04, CKS16, FBF+00, KC02, KKC+16a, KW11, LBvH06, MS07, Mar00, MA06, MBBS13, NKR06, OIA+13, PPR09, RT00, RR04, SFS04, SDWF13, SK04, TLLL07, VPS01, ZVN03].
environmetal [CMR+12].

Environments [LRC+08, RGSJ17, ATS14, BGM04, EJK+96, VNM+12]. EOLE [PS14].

EP [Um15, TRA91]. EPI [AGS05]. EPIC
[ACM+98b, BC04, SzUK+04]. EPILOG
[Wis86]. Episodes [HH08]. Epsilon
[GDHH89]. Equation [SK+15, LSFK08]. equations
[BVGL00, Chr90, Don83, Don85, Don88, Don90, Don92, GLH88, JD88, OT86, Qui84].
equipped
[Don90, Don92, GLH88, JD88, OT86, Qui84].
equip[ACM+98b, DBK+04, EJK+90, EK04].

Errata
[Ber91a].

Errata
[Ano81, DBK+92, JD88, Sta81]. Error
[Che84a, DBK+92, WEMR04, YMM15, AWC+11, Bos84, Con88, DJPK16, FGAM10, FAH83, GM84, Gum83, HVAN14, HCA99, KW84, KCE12, NKQ13, NSQ16, PBGM09, Rao84, SGK+04, UGV14, WAC+10, YE09, YXM+10]. Error-correcting
[Che84a, AWC+11, WAC+10]. Error-Prone
[YMM15]. Errors
[LABR08, SDB+15, YMM15, BWWA05, HSS12, ISGS07, KDK+14, LRS+08, ZY07a, ZLO+11]. ES40
[CK00]. Esterel
[LbV+06]. estimates
[WMP07]. Estimation
[LABR08, TM14a, VJE+12, GKM98, SBM09, WMW09].

Euripus
[DP12]. EV8
[SFK+02]. evaluate
[Sho87]. Evaluating
[ADK+04, BVR+00, EK89b, GS07, JH94, OA99, PK94, SBC+05, VRB+17, ZY07a, CMR+12, MCC+06b, PL06].

Evaluation
[BKS05, DCK93, EJK+96, HGS+16, LP91, MYB89, NH096, Par75, RCV+05, SHN86, SAA17, SGS+93, THL+86, TLM+04, Wu92, YHN+86, ASH88, ASH98, ATH86, ACK+95, BBH94, BNT78, BWJ+90, CGB88, Che92, CMB+13, Cra79, CB13, CKPK90, DL87, DNS95, DR91, EK88, EP87, EP88, GMC+09, GHH91, GZuRC13, GLVC13, GHG+91, HLM+82, HANN96, HVAN14, HLR98, HJS86, HJS87, Hea84, HS84, IT93, IS92, ISKR86, IM02, JZL09, Kea89, Kea78b, Kea79a, KB76, Kaha99a, Kaha99b, Kaha99c, KY02, KHC+91, LS82, LKC+10, McK74, MIO+10, MKR02, Nad88a, Nad88b, NDZ10, NWD93, ON90, OQ91, Pat82, SK83, Smi85, SPA+98, SHM+94, SJG92, SCH+91b, SV74, Tab88, Tad13, TNNI87, WL+14, YTY83, Yom92, Zub80, Hen98].

Evaluations
[MM14a]. even
[DB07]. EVENODD
[BBBM94]. Event
[HNK+17, DS11, GSS05, GLL+90, GLL+98, Gha88, GKB+13, OQ91, TBL12]. event-driven
[GKB+13]. events
[NG09]. everything
[Lar11]. Evolution
[BDMF10, Cra88, BS86, CR94, KWF08, Pan13, Tag85].

Evolutionary
[AWAG15, Ber76]. Evolving
[SADAD02]. EX
[MH13]. exact
[TZH+13]. examination
[SLSN14, VCK+12]. Examinating
[WMP07, DZZ+14, Tha10]. Example
[FK80, Ric80, Dow887, Dow88a]. examples
[Maz77]. exceeding
[ASP+03, GHS16]. exception
[MDS12b]. exceptions
[GA01, LCS+10b, SMN+11, UH93]. excessive
[GH90]. exchange
[Feu84, So83, VR87]. exclusion
[McF92, SLQK12]. Exclusive
[BSADAD04, OH16, GCS11]. Executable
[Cra83]. execute
[APX12, BD91, Smi82, Smi98a, Smi98c]. executing
[See89a, See89b]. Execution
[AWAG15, Bic84, Bit89, BGH+08, CHM08, DVT12, HCL15, HC15, KKS+15, Kro83, KKS+16, LCB+98, MCT08, MKP05, NPC05, NSA+17, PCC+08, PR05, Rot05, STS17, SJA+17, WDV10, YMM15, ZS01, AS91a, AT11, AIO+11, ANH95, AHA+14, ATT+13, ACM+98b, ASP+99, BG84, BAD+10, BFS+09, BCK14, CO82, CM87, Chun7b, CHYW13, DBK04, EHA82, HFW27, HK97, HKA+01, HP87, KDM92, KY02, KPG98, KPH96, LBCG95, Li94, LN92, Luk01, LRRH90, MHM+95, MEV92, MSB+05, MPP+08, MDS12b, MCC+06b, MW98, NMB92, PG05, PACL05, PS94, RG02, SCP+82, SLLG05, SDP85, SOS94.
SLZD04, SQP08, SMQP09, ST87, SP87, Tak87, TWC+10, Ter87, TXZ09, Ulm98, UMK05, UT83, UZU00, WCT98, WY05, WR84, Wie82, Wil78, YHZX14, YW89, ZkKL+13, Uhl02. **Execution-based** [ZS01]. **execution-driven** [MSB+05].

**execution-time** [LRHM90]. executions [APX+14, BFS+09]. **Exemplar** [AF98]. exercises [Kno73]. **expandable** [AA4, FS92]. **Expanded** [AS92a, JW95].

**expansion** [LCM+09]. expansions [SM12]. **Expected** [Qoz94]. expediting [YL16].

**experience** [CGBG88, DLMN09, FAB+96, RVLS14, Str83, WP87]. **Experiences** [ZBJ+02, JOW+02, Mat78]. experiment [Ano81, 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, PC98a, PC98b]. explicitly [MT02]. **exploit** [KTS+13].

**exploitation** [BK11, PSG06]. **Exploiting** [AZ05, AZK06, BSL08, CKS16, CFA04, EAS+17, FdfD00, Fra86, GTA06, HH08, HCS8, KGGC17, KDM+98, KKB+16, KW98, LLYB88, MP91, Mos05, NH97, NAAL01, Nit89, PV04, SST8, SNL+03, SZB08, SABR05, TEE+06, DMD10, DC09, FS92, HANR12, KKM+06, KHM01, KSL+12, NaR07, NK01, NRS8, OKY+16, QFLMK10, QFJL12, SSJ+16, VM97, VJM99, VAV10, ZRZ+14]. **Exploration** [DM06, BS73, BFP03, CYH+11, CGT+14, Jon08, MMP+12, RYF+13, SRWB14, WFC01].

**explore** [SHK+11]. **Exploring** [HS13, HJF11, HIM+05, JSL95, LAB+11, MTU+15, NO94, NK01, WGS9b, WCL17, IMc+06]. **Exposed** [TLM+04, GTK+02, TACT0].

**Exposed-Wire-Delay** [TLM+04].

exposing [NG09, NSQ16, NaR07, PLZ09]. **Express** [PKPJOJ, dICKK]. **Expression** [BTC06, RP99]. expressions [Kee78a, Kee78b, Kee79a, SK83]. **ExpressOS** [MPX+13]. **Extend** [SZBP08].

**Extended** [ISJ04, BK91, BCS91, CA94, Dug83, MGK+82, HTA08, HSC+90, Kin83, PAA88].

**Extending** [Yue81, ADS+13, MSA+00, ZNF+16]. **extensible** [Fre74, GKT78, SWY10, Feu76].

extension [Bur84, CBC+08, EAE+02, PDP+13, ULM98, WS91].

**extension-oriented** [CBC+08]. extensions [DDS94, HPU+16, LP91, RJ09, Wa80].

external [LWV+10]. **Extra** [WL88, LH86b]. **extract** [JW95]. extracting [LCED01].

**Extraction** [Uth93a, Uth93b, MTN+00]. extractions [LYBC88]. **extremely** [GZuRC13]. extremum [LF82, WLY84].

**extremum-search** [WLY84]. **Eyeriss** [CES16].

**F** [Ben82, Sch91a]. **FAB** [SFV+04]. fabric [GDN+16, KPKJ07, PCC+14]. **FabScalar** [CWS+11]. **FACADE** [NWB+15].

**facebook** [WDG+16]. **facilitate** [WZJ10]. facilities [GS80, Tob80]. facility [KBS84, LMND76, SSD+13]. **FACOM** [YHN+86]. **Factor** [LABR08, DMWS12, NEEJ12]. **factoring** [RBC84, WIPK09]. factorization [DD90].

**Factors** [BRC+05, SK10]. fail [Lip73].

**fail-soft** [Lip73]. **Failure** [GHKP89, IKK16, SKB+17, ACJ13, LC13, uAM16].

**Failure-Atomic** [IKK16, SKB+17].

**Failures** [PKM17, ABC97, AJL14, BBBBB94, Par88b, SLSB10]. **Fair** [KC82, MMS14b].

*Fairness* [ELMP10, MM08, SKJ+17, WM16, KSN07b, ZL14]. false [HWI+11]. **FAME** [TWC+10]. family [DO82, Feu84, LR93, ME78, Sal76, Smi75a, Smi75b, Str76, WS90].

**far** [VJM99]. far-flung [VJM99]. **FAST** [DRCO05, ACAAT16, BG84, CG94, CSGT17, GC86, HSC+90, HABZ17, KCGG17, Lam82, SGC+05, SP87, TM14a, VHX17, WBA17, APS95, BKS+94].
BDLM07, BMA00, CGS09, CME+12, CS13a, CV88, CCA+11, HT10, KIC+16, LKL+02, LS92, LN92, McL90, MSZ09, MSS14b, Mou98, NYNT12, OPZ11, RAC99, SK13, SEE74, WWA01, YA90, HS86, NNS12.

Faster [MMT16]. Fastest [MCK16]. Fault [Ann91, BA84, FV82, GV05, LER+17, PC83, PGVB04, RCV+05, SH80, VS80, AA86, AGSY94, Avi83, BS87, Con88, DSY95, DJPK16, FF73, GSVP03, GKN80, HAN12, HBBT11, KRS13, KLC94, KR80, KR85b, LS82, LIW82, Mar85, MS82, MC93, MGBK96, NSH+11, PA73, RRP06, RM00, SCGA13, SKB09, SPR00, TBG+97, TVZ85, VPC02, WMP07, WL88, WIPK09, Wil91].


Fault-Tolerant [PGVB04, FV82, AGSY94, BS87, DSY95, GKN80, KLC94, KR85b, LS82, LIW82, Mar85, MS82, MC93, MGBK96, NSH+11, PA73, RRP06, RM00, SCGA13, SKK09, SPR00, TBG+97, TVZ85, VPC02, WMP07, WL88, WIPK09, Wil91].

Faults [PTS+11, HAN12, WCS08, dKNS10].


Federated [CHTV+15]. Feedback [SQP08, HMM06, SS89]. Feedback-driven [SQP08].

Fence [MA14, MA15]. Fence-Free [MA15, MA14].

Fences [DHT15, DMT13, SAR99]. Fetch [ANMF08, HK90, BKAB03, CG94, CMMP95, FG91, GM98, Kro98a, Kro98b, LBCG95, LV88, OKNO2, Prz90, RR77, TH86, TEE+96]. fetch-and-increment [FG91].

Fetch-and-Op [HK90, LV88].


figure [Lan77]. File [AH+16, BKL+16, GCO+04, AA89, BNT78, CBF93, CGVT00, DS89, DSH+94, HL85, JSL+13, PBL90, SBZQ14, SFK13, YRK07]. files [LH86a, TA03, kSYHX+11]. filesystem [CG91]. filter [DSG11, GRRT84]. filtered [RF96]. Filtering [HTM15, Rot05, SST06, HTCU10, HT11, PHH16a, PHH16b, RG09]. filters [Pra82].

Finding [BCG14, DZ+14, HABZ17, LF82, MCXS16, BKMN10, J040, MHI12, SBRM09]. Fine [BBP03, CSS+91, KRS13, KKS+15, MS07, OBRW14, SJA+17, WYM+17, ALE90, BK11, FS92, GH90, GKB+13, HBHA02, KDM+98, KHN07, MLC+09, MP91, MFHW96, RBW90, SYK10, SK11, SSD+13, SGS+93, WJGA12, kSYHX+11, ZCX+14, ZSHG07]. Fine-Grain [SJA+17, BFP03, CSS+91, MS07, OBRW14, ALE90, BK11, FS92, GH90, HBHA02, KDM+98, MLC+09, MFHW96, SYK10, SK11, WJGA12, ZSHG07]. Fine-Grained [WYM+17, KRS13, GKB+13, KHN07, MP91, RBW90, SSD+13, SGS+93, kSYHX+11, ZCX+14]. Fingerprinting [SGK+04]. finite [CF89, DGY99, GPF13, MMS14, Nap86, SC01, SLTB+06, ZWS14]. finite-state [CF89, MMS14]. FIR [DSG11]. fire [BTS+11]. Firefly [PKK+09, TS87].

HHB+14, HK89c, KCW+09, Kro98a, Kro98b, KKK76, LHH91, LN91, MA14, RG02, ST08, VLL+92, WS07, WAFM07, XGC+10.

Free-Cooled [GNB15]. free-space [XGC+10]. Freecursive [FRK+15].
freeness [AHK08]. Freon [HCG+06].
frequencies [McD82a]. frequency [DSN07, MSS+03, MCD+08, PM11, TA03, WJMCO4].

Frequent [ZYG00, HA04]. Fresh [Den03].


Fused [THEK16]. fusion [IKKM07, LGM+14]. fusions [FFM11].

Functional [Arno74, Har78, Hom82, HG88, JSL95, NK86, P888, YMTHB00, vLG80].

functionality [HP86, HP98, mWHP98].

Functions [SOSD05, YT04, BLs+76, Chi89, DGY89, Fra76, McD77, SSAC13, dDIS13].

Fully [HSL17, MMM+95, MMAS08, NMZ12, XB03, ZYGP09]. full-system [XBH03, ZYGP09].

Fully [SBK77, AP95, HR00, Jou90, Jou98a, Jou98b, SKS+13, SB77, VHL73].

fully-associative [Jou90, Jou98a, Jou98b].

fully-streamed [SKS+13]. Function [HSL17, KSL08, Law76, RV07, Bur02, DJ09, GB83, Jen74, NNS+90, SP89].

Functional [Arno74, Har78, Hom82, HG88, JSL95, NK86, P888, YMTHB00, vLG80].

functionality [HP86, HP98, mWHP98].

Functions [SOSD05, YT04, BLs+76, Chi89, DGY89, Fra76, McD77, SSAC13, dDIS13].

Fused [THEK16]. fusion [IKKM07, LGM+14]. fusions [FFM11].

Future [Ant91, HLF+15, HPU+16, Her06, MC92, Pat06, TAM+08, VSM+07a, VSM+07b, VC04, BDA03, Bas77, BDJ+11, BGK96, Cra88, Hey90, JL16, JM12, Lip78a, PKK+09, Par95, Sch77, Tha10, Wil01, vTS98].

Futurebus [Aic92, SS86]. futures [TH03].

Fuzzy [Lev92, Gup89]. FX [DF90]. FX/80 [DD90].

G [Hol83, Lan90b, Su74, EKW80]. G [Sac83]. GaAs [OMB91]. Gainesville [LS73]. gains [DDS94]. Galoish [CLF+17, NL14]. Game [FZL16]. gaming [MS76]. gamma [LH86b, Bat72, PR82].

gang [HVAN14]. GangES [HVAN14]. Gap [PVB17, PT83, Quo94, SKC+12, VV14a, Wil01]. Garbage [GTS+15, Hib80, CHV04, FK+06, GTSS13, HHA83, JMP09, RP85, Rde87].

gassiloud [All92]. gate [KW11, WW12]. gates [TWM+09]. gathering [TMW+01]. gating [MKG98].

Gaussian [Cha92]. GCC [RVLS14].

Geiger [JADAD06]. Gelenbe [Ber91a]. gem5 [BBB+11]. GEMS [MSB+05].

Gen3 [dCKK15]. Gene [SAB+05]. Gene/L [SAB+05]. General [Ano04c, Ano06b, SYP+14, BA82, CT74, FR89, GSZ90, GCTR08, HQW+10, HSC+90, LSS04, MSB+05, Now87, RV77, Ran85, RAJ99, Ree82, Ste77, Ska01, TPO06, WY05, Woo14, Ano05c, Ano08c].

General-purpose [SYP+14, FR89, GCTR08, HQW+10, RAJ99, TPO06, WO14].

generalization [HT10]. Generalized [AK81, G84, Lf98].

generalizing [Mat90]. generate [Bur06, RP99, WSC92].

Generating [PKB+16]. Generation [AYQ+16, BKW90, HL15, Mo83, BA06, BD91, BEH91a, CCA+11, D76, DPB77, 

HK89a, Kar95, KDA12, KDP+16, KBD+13, LYS07, Mid82, PVS90, RGG82, RGP82, 

Rou86, SF03, SMRT85, Tre83, VSM+07a, VSM+07b, CH04].

generational [KHOM1, WK08]. generator [AA11b, EP84, HC88, MF05].

Genetic [GFT+15]. Genomic [HSBA16].

Geometric [Sch83, CHG06, Hai84a, Hai84b, 

LYBC88, Sez05].

George [Lan90a].

Georgia [IEE99].

Gerard [Cho93b].

Germany [ACM04]. Gerrit [Chr77].

Gert [Goo88b].

GF11 [BDW85].

Ghost [CDA14].

GhostRider [LHM+15].

Gibbs [WZL+16].

Ginger [HR07].

Girling [Su74].

Gleipnir [JK13].

Glen [Hol83].

Glenford [Atk79, Gor83].

Global [QTP05, KBC+00, NSI94, OAO8, PNB83, SHA02, SMHW02, TFWS03, ZFC03].

global-scale [KBC+00].

Globally
Globally-Synchronized [LNA08]. Go
[Pat06, MPP+08]. Goal
[SDLR+15, SDGT03]. Goal-Directed
[SDLR+15]. goals [ALE90]. Going
[KS02a, LLC+14]. Gold [IEE92]. Good
[SDB+15, Irv10]. Goodman
[CBS88, Goo88b]. Goodput [RHR+17].
Google [CSBA17b]. GOPS [RBH+03].
Gordon [CGS09]. Göteborg [ACM01].
Gotlieb [Lan09a]. GoTM [JVV13].
GP10000 [BWJ+90]. GPGPU
[JSL+13, JKN+13, PTG13, RE12, VRV+14].
GPGPUs
[JKM+13, LSH15, LHE+13, RE13, VE14].
GPU [ABD+15, APX12, APX14, ABC+17, 
Bon13, BCD12, CPI17, DSOF11, FFMI11, 
GC11, HLI15, HK09, HK10, HEK+16, JPT14, 
KDSO12, KORA17, LKC+10, MDSO11, 
MNS+14, MSN+15, NMS+14, PPM15, 
TM14b, WLG+14, WN14, WL10, XJK+16, 
YKL+16, ZJG+11]. GPUAccelerated
[HSB16]. GPUTest [Bon13]. GPUs
[SFK13]. GPUs
[ANS+15, ABC+17, CT08, LYBK11, 
LSL+17, LCCZ17, LBH12, MDS12b, 
OXY+16, OBRW14, PPM17, PHB14, SBS16, 
SFK13, TGC+14, TP006, TL10, 
WRSY16, WL17, WYMN+17, WLZJ17].
GPUWatch [LHE+13]. Gracefully
[KNP06, CSSP87]. gracefully-degrading
[CSSP87]. Gradient
[DFR017, Chr90, GSZ90]. gradient-type
[GSZ90]. graduate [Muk97]. Graffiti
[Jo95]. Graham [Alv93]. Grain
[CLS05, CKS+08, Mos05, SJA+17, ALE90, 
BK11, BFP03, CSS+91, FS92, GHW90, 
HBA02, Kap87, KDM+98, LS12b, 
MLC+09, MS07, MFHW96, OBRW14, 
SYK10, SK11, WJGA12, ZSHG07].
Grained [KKS+15, WYM+17, GTA06, 
GKB+13, KRS13, KTO+12, KHN07, MP91, 
PCL10, RWB09, SSD+13, SGS+93, 
KSYHX+11, ZCX+14]. grammar [FL76].
Granularity [THEK16, CSY90, GSN06, 
RSG03, YJE11, YJSE12, ZSKD13].
Graph [HPF86, MM14b, VTGH17, WHZ+17, 
APD01, CCC+88, Con88, HCSO12, 
OYK+16, THS6, Tra85, VE14]. Graphical
[MZH15, ER92]. graphics
[AAZ89, CBS98, HTA08, HSW+11, Ker74, 
LHPL87, PN88, Sin92a, TSN+86]. Graphs
[AWAG15, HNP15, VGX17, FAY83, GVV90].
Graspan [WHZ+17]. greater [BYP+91].
greedy [PMA+13]. green
[CMR+12, HCSO12]. Green-Marl
[HCSO12]. GreenSwitch [GKL+13]. Greg
[Ber91c]. Grid [WDW10, TKG+02].
grid-based [TKG+02]. GRIFFIN [GCJ17].
grips [Mil87]. Grossetie [All92].
group [Mil82, Mil87, WL88, ZT95]. groups [NH97].
growth [EWN05, Gur94, Hen07c]. GRT
[WSC+14]. GS1280 [Cve03]. GS320
[GSSV00]. GT [TRA91]. GT-EP [TRA91].
Guaranteed [LNA08]. guaranteeing
[LMB99]. guarantees [BKMN10, GHKM11, 
KC96, MYP+16, MTC+07]. Guard
[OHW17]. Guarded [PS94]. Guarding
[GCJ17]. Guardrail [RKG14]. guest
[MSZ09, BGP+01, Hen07a]. Guests
[BFP05]. Guide
[Mad94b, OCF00, STND+13]. Guided
[WB03, Den03]. Guidelines
[Ano06e, MST82, HS73, Pat91, Rym82].

H [Iva91, Su74, Tan78, Cra88]. H-series
[Cra88]. H21 [SWW02]. hacker [HLS05].
Half [KL03]. Half
[KL03]. Half-DRAM [ZCX+14].
Half-price [KL03]. Hall
[Alv93, Ant91, Ber91b, Buc78, Chr77, Fer88, 
Fos93b, Ful91b, Hhi91, Kri91, Lan90b, Lev92, 
Mad94a, Ram78, Whi78]. HALSIM
[BKS+94]. Halstead [Iva91, Sch91a].
Halsted [Cha92]. Handbook [Alv93].
handheld [SWW02]. handle
[Laf04, SGB00]. Handling
Hardware-assisted [AJH12].
Hardware-based [KJM+07, MR90].
Hardware-driven [MTG+99].
Hardware-level [LKO+14].
Hardware-measurements [HKK80].
Hardware-modulated [CJK+05].
Hardware-OS [LSMB16].
Hardware-Software [CHLS16, KSCK17, LHM+15, KCO2, RO74, SSH+07, VKI’00].
hardware-supported [MPP+08].
Hardware/Operating [AVN+16].
Hardware/Operating-System [AVN+16].
Hardware/software [HJB+82, PN77, Ran85, Rat82, FMB+07, KDA12, LGM+14, RES+13, WBM+03].
hardware/speed [CM80].
hardwired [BZ87, OUY+13].
harmful [JM12, PBC+13, Zii01].
harmonic [CHG06].
Harmony [KTK12].
Harnessing [DFKC17, VT14, APP+14].
Harold [Fos72a, Lan76, Sch88].
Harper [Dik90].
HARRIS [KKC92, Cra88].
Harry [Gon77].
HARTS [SD00].
harvesting [CHLS16].
Hash [HCJC06].
Hash-based [HCJC06].
hashing [TLL07].
haul [DCB+94].
having [HS80, HP86, HP98, mWHP98].
Hawaii [IE88].
Hawkes [GLVC13].
Hayden [Mii77b].
Hayes [Col88].
hazard [KTM91].
HC1 [MH13].
HC1-EX [MH13].
HCloud [DK16].
HDL [KMK16, OUY+13].
HDTrans [SSB07].
Heads [Göh14].
healing [SLK05, SLP+09].
health [Zii01].
heap [CG06, Hom82, KJS+06, LBL02].
heap-based [CG06].
heap/substitution [Hom82].
HeapMD [CG06].
Heaps [CAA+11].
Heart [KONA82].
Heat [GPV04].
Heat-and-run [GPV04].
Heavy [TP15].
helix [Ron86, CBK+14].
help [Laf98, Laf00, Pay78].
Helper [WCW+04, KST11, SR+05].
Hénon [JPT14].
HEP [Jor83].
Here [Pat06].
Heritage [Mat78].
heterogeneity [MT13].
Heterogeneous [ANS+15, AVN+16, BLJ+17, CTHV+15].
HCL15, HHB+14, KGGS17, KTR+04, LJdL+16, LL16, SAA17, Tho81, VST16, ZAI+16, AA84, AA11a, ACRV12, AKB+89, ACS+12, BF87, DVT12, DK13, GCN+10, GHKM11, LWI12, LCWM08, Mil82, MV11, MPM14, PARKA13, PP92, TZZ+16, TTPL10, TL11, VJE+12, VI94, VT14.

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

**Heterogeneous-race-free**
[HHB+14].

**HeteroOS**
[KGGS17].

**Hewlett**
[HW77].

**hi**
[MMP+12].

**hi-fi**
[MMP+12].

**HIBRID**
[MBS+04].

**HIBRID-SOC**
[MBS+04].

**HICAMP**
[CFS+12].

**HIDEB**
[ZZP04].

**Hiding**
[GGH92, KD06, STS17, ZA05, BR92a, Kee79b, PGV05, PL09, RSP05].

**Hierarchical**
[BD93b, Cha90, GB83, HS77, Wil87, AP76, BF90, Gou78, Nae85, PPZ96, RB97, SBM02, Sin92b].

**Hierarchies**
[SSZR05, TMC+06, TAM+08, TBS17, BW88, BW98a, BV99, GG90, MH07, PHH98, Tri08, VRV+14, WM88].

**Hierarchy**
[KTG+17, RL17, Tab95, YGST17, GeC84, HGC10, JmWH97, Lan77, RBIV07, Reg76, SHBS14, SHK+11, WBL98, Zah03].

**Hierarchy-Aware**
[YGST17].

**High**
[ABY+87, AA11b, AW04, AW17b, Alv93, AHC+16, AS96, BNZ08, BTC06, Co99, DH16, DSG11, Dow91, GSCM16, HS85a, HL15, HIT05, JTSE10, JMY98, KPS+16a, KDTG05, KMK16, KPS+16b, LJP+16, LBH12, MS13b, MS13c, MCK16, Mil77a, Sch88, SAK06, SLG+15, SOD+94, SF91, TF88, TS05, TP15, TW77, VV14b, WSC+14, WEMR04, dCKK15, ARS07, ACS+12, BM91, BVR+00, BR06, BDJ+11, BNA88, BD84, CG95b, CDS+14, CJ99, CF82, CMM95, DCB+94, DB07, DG92, DP09, DP98b, DP98a, DSH+94, ELMP10, FTM99, FL76, FHH+89, Gun90, Gup89, HHA93, HW87, HBI113, HT10, HC85, HP86, HC89, HP98, mWHP98, Hya93, JCSK14, Kat89, KC96, KDA07, KCC+16b, KFN02, LP80, LP98, Lar82, LBYK11, MPH12, MKKU03, MHH+13, MIT89, NKQ13, NHH+85, NS86, NP90, OMB91, OCLB12, PN88, PP82].

**High**
[Pic83, Pie98, JP+07, QR90, RBIV07, RRP06, Ris76, RBC84, RKG14, SJ86, SVC03, SEI+95, SP89, SV87, SV98, Soh98b, SMHZ94, SQP08, SV74, TRA91, TDF90, Tem12, TTMH80, Tre80, TA03, TLLL07, Tur79, VFCM13, Wan01, WW12, WGH+97, Wil01, Wo97, WSC92, WBS+88, WBL98, YMB00, 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**
[GSCM16, KKC+16b, MHH+13, Wan01].

**High-bandwidth**
[AW17b, Col90, DH16, Mil77a, LJF+16, BM91, BD48, 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, KFN02, LP80, LP98, NP90, OMB91, Pie83, Pie98, SV74, SV98, Soh98b, SQP08, TRA91, Tem12, WGH+97, WBS+88, YMB00].

**High-Radix**
[KDTG05, SAK06, KDA07].

**High-sensitivity**
[WW12].

**High-Speed**
[Alv93, HS85a, KMK16, TW77, BVR+00, MIT89, NHH+85, SMHZ94, TDF90, TLLL07, Tur79].

**High-Throughput**
[BTC06, MCK16, CDS+14, WBKR13].

**Higher**
[XDLB13].

**Highlights**
[Kan11].

**Highly**
[CTHV+15, HD86, KDS15, Lan90a, RLD+17, ZYMS15, LL97, Lun85, MS84, PT10, RWA+16, SFS04, UJ92, Won16, YK94, ZVN03].

**highly-accurate**
[RWA+16].

**highly-associative**
[SFS04].

**Highly-Available**
[ZYMS15].

**Highly-Programmable**
[CTHV+15].

**Highly-Scalable**
[KDS15, RLD+17].

**highly-selective**
[PT10].
TMV+11, VGNV05, ACM+98b, CMC+91, CMC+98, SzUK+04, mWH98). **improvement** [OCL90]. **Implementability** [DHT15].

**implementable** [TEE+96].

**Implementation** [ATHM86, DSH+10, Eij90, Hib80, HSBA16, HK90, ISJ04, Lai73, LCL+16, MIO+10, SP85, SP89, SO3D05, TTHM14, Vin77, AA86, AIO+11, AAG+86, AFNV90, AAG+98, Bar92, BH91, Bri87a, CLM07, Cop78, CDK+94, DN14, DO82, DGY89, DLMN09, DSOF11, DPB77, EPS84, FH82, GRB+08, GSS12b, GS12, Hof80, Hom82, IAD+94, Jag80, JLZ09, LGH92, LLJ+98, LL98, LV88, Mar83b, MB80, NMTH10, Nut77, OC78, PSB13, PS14, RvD77, Roc85, SP84, SWY10, SJ86, Sez94, SHZ97, SD95, SG51, UI93, VP89, Chr77, BM91]. **Implementations** [AHC+16, Tab96, BS+76, KJLH89, TW91, Wil82, YP92, YP98a, YP98b].

**implemented** [CCE+09, Hay77, KONA82].

**Implementing** [CDP83, Fin93, FM76, KEW+85, KL02, OMB91, SSP97, CW02, GPR87, OM94, SC02, SN98d].

**Implications** [HLZ+15, Sh92b, VSM+08, BJ78, CSM+05, DLL+16, EE10a, HKA+01, HSS12, KMOA07, KDBA78, LRS+08, LJK+13, PCDL09, WM95, ZWM+14].

**implicit** [Yue84]. **Implicitly** [PFV03].

**Implicitly-multithreaded** [PFV03].

**importance** [KSS84b]. **Improve** [CGY+17, EAS+17, YCR+17, AZ05, AZK06, Bra82b, CD82, CMB+13, DJT94, ECP96, HCV03, MHS+03]. **Improved** [BR92a, EW16, RKM+11, dRBC93, Bur02, FP91b, JL16, JS88, Lap91, Ng94, SRJ+05].

**improvement** [KDMP92, NNS+90].

**Improvements** [Rod85, MS82, SHK+11].

**Improving** [BFG+07, BJ03, Bia17, CLS05, CS99, CFG+13, CLG+14, FaRP89, GLM13, HWI+11, HGTW05, HHSI93, JMK+08, Jou90, Jou98a, JB97, KK99, KRM08, KSN07b, KORAI7, MAL01, MBS16, NRKS05, OSK15, PTG13, PHJH17, PD76, PEP98, PD98, SB05, Sur07, Tha10, TFWS03, VM97, WKJ12, YEP+06, YT04, YZP+11, JVJ13, JKN+13, JWK12, KCE12, LJ5+02, OKY+16, QFJL12, SL92, SMHW02, SPR00, YERJ99, Jos98b, Pat98b].

**IMPULSE** [BNA88]. **in-cache** [WEG+86].

**In-Datacenter** [JYP+17]. **in-depth** [EWN05]. **In-flight** [CMLV04]. **In-Network** [LLN+17, DCS+14]. **In-Order** [TP08, SL05]. **in-situ** [SNM+16]. **in-vivo** [CK11].

**IncBricks** [LLN+17]. **incentives** [ZL14].

**including** [NNS16].

**inclusive** [KSLE16].

**incoherence** [HCBS04].

**incoming** [Har74].

**Inconsistent** [MCXS16].

**incorporating** [Tob80].

**increase** [SWL10].

**Increased** [CYMT16, TM05, GSM4, HJ6+82, YBM13].

**Increasing** [CHZ+14, CRG+11, Har73, yKP02, SC02, SSC98, VLL+92, WOR96, GCC+14, SCN+10].

**increment** [FG91].

**Incremental** [BFA+15, HhEH+15, SAS90, CS11b].

**Independence**

[ANMF08, AZRA07, HR07].

**independent** [Bri87a, NLV86, RTY+87, SA88a, WO89].

**Index** [A004a, A005a, A006a, A008a, Bur02, De 81, SBM].

**Inductive** [PV04, CL09, PV03].

**Inductive** [PV04, CL09, PV03].

**Industrial** [Str83].

**industry** [Dal10, Tho10a].

**INDY** [COp78, OC78].

**ineffectual** [AJH+16].

**ineffectual-neuron-free** [AJH+16].

**inefficiency** [HQW+10].

**Inexpensive** [KJLH89].

**Inference**

[HNK+17, KKS+16, Uch83, HLM+16, ISKR86, WZL+16, ZMTM16].

**influence** [VGSS85].

**Information**

[A008e, CWY+08, FXZ+17, HD77, YSCC16, ZWSM15, CS06b, DKK07].
Information-Flow [YSAC16, ZWSM15], Information-hiding [Kee79b]. Informing [HMMS96].

Infrastructures [YJX+16]. initial [Ham09, Ham10, KSRL10, Laf04, UVG12, WGS+14, WGH+97, ZZP04].

Infrastructures [YJX+16]. initial [Ham09, Ham10, KSRL10, Laf04, UVG12, WGS+14, WGH+97, ZZP04].

InkTag [HKD+13]. Inlining [LMG04, AK00].

Instruction-Grain [CKS+08]. instruction-length [IS92].

Instruction-Level [ASR+17, PGS04, DF92, MEV92, JW89, Wal91]. Instruction-path [Deb89].

Instructions [HGTW05, YT04, BFAJ93, HY85, KT91, KKM+06, Kee78a, Las88a, LL00, PPA+13, ST79, TM11, Wil92, Wil83a, Yue81, ZS00]. instructions/operands [Las88a].

Instrumentation [vT88, FBG12, GSS05, PACL05, RD01, SAB+05]. instrumented [KP05]. Integer [GCO+04, MPPZ87, SDLR+15, PH90, SBV91].

Integration [BEH91b, PQNT16, KD92, SIG89, SFKW13, vECSG98, vECSG98].


Innovations [BD86, Den80, Las89b]. Innovative [Kav81, SHZ97]. Input/Output [CD77, JWB93, JWB94, BP04, DP76, McD77, PAVT16, AS91b].


Integrating [BEH91b, PQNT16, KD92, SIG89, SFKW13, vECSG98, vECSG98].

integration [SPN06]. Integrity [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, Qu79, YCR+17, AJC+88, Lip77a, Lip78b, OCS98].

intelligently [AT11]. intensity [GLVC13].

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]. Interaction
[ALBL91, Mar83a, Nak01, RPASA97].
Interactions [OHW17, RO74]. Interactive
[HhEH+15, JHK+16, FURM00, Ker74, PP83, SAS90]. Interconnect
[CMR+06, MB07, PED+08, PAY+17, SKJ+17, WGH+97, CHX+11, KM10, NP95, XGC+10]. Interconnect-Aware
[CMR+06]. interconnected
[AA84, MSSZ76]. Interconnecting [And73].
Interconnection
[ED17, IPWK06, APGP07, BK91, BA82, DS85, FW82, FAH83, HJ87, JKD09, Kni91, KR85b, KPKJ07, LHH91, LlW84, MBLZ89, MG91, PR82, PW97, Ros89, Rui90, SS89, SKB09, Sie77, TYZ85, WL88].
Interconnections
[KZT05, Kuh80, SC05].
interprets
[KMA+12, KMS+12, MDS+11, MVD11].
interest
[Bre72, sta80a, Sta80b].
interesting
[SL93]. Interface
[HTM15, LSMB16, MEB15, Vis76, WBA17, dIcK15, BL98a, BLA+94, BLA+98b, BLA+98a, CG95b, CS13b, Cou90b, DP76, GP76, Isa74, JCS+14, KJJ+09, Kep91, yKPR02, MHKT09]. Interfaces [Wit16, BSR06, Ch76, Cou90a, KDA12, MFHW96].
Interfacing
[Fu91b, BI12, Sac83]. Interface
[HS16, TAV10, WP87].
Interfacing
[CHLS16, Hic17, SBIS11, WCS08].
Intermodule
[HS74]. International
[AC89, ACM91, ACM93a, ACM95, ACM96, ACM97, ACM98a, ACM00, ACM01, ACM02a, ACM04, HLR98, IEE83, IEE84, IEE85, IEE86, IEE87, IEE88, IEE90, IEE92, IEE94, IEE99, IEE03, IEE05, IEE06, Mar88, Su74, Dor75]. Internet
[CLF+17, Ham09, OLI+14, Tho94a, Tho95a, Tho95b, Tho95c, Tho96a, Tho96b, 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, Tho06c, Tho06a, Tho06b, Tho07a, Tho07b, Tho07c, Tho07d, Tho08a, Tho08b, Tho08b, 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
[WB08]. interpolations
[CLC90]. interpretation
[CFRS99, NA83]. interpreted
[BKC14].
Interpreter
[Car96]. Interprocedural
[WHZ+17]. interprocessor
[KBS84, Mar83a, RSV87]. Interprocessor
[APR89, Dow91]. interrupt
[Sit73]. interruptible
[SV87, SV98, Soh98b]. interrupts
[Ger81, MGH+96, Par02, SP85b, SP98b, Sni98d].
interval
[JTSE10]. intervals
[Hai84a, Hai84b]. interweaving
[BCD12]. Interr pend [GSM06]. Intra
[DKD+15, EAS+17, SGS08, VSW+13, XJK+16, XGC+10]. intra-chip
[XGC+10]. Intra-disk
[SGS08]. Intra-Kernel
[DKD+15]. Intra-Request
[EAS+17]. intra-SM
[XJK+16]. intra-warp
[VSW+13]. Introducing
[MBLZ95, vdSS79]. Introduction
[ABZ07, AABAT98, JW93, JKT05, JKT09, KCP05, KSN07a, Lan76, TKJ07, BGP+01, BFP05, Hen07a, Lip88, Su75, JB94]. Introspective
[MAS+06]. Invasive
[TS05, ACF05]. invalidation
[CV88, HC99, LF00, LW95, LS92, WGS9a]. Invalidations
[SA15]. inverses
[LTQZ06, MPX+13, SCGA13].
[BSADAD04]. Inverse [MS82]. inversion [BNT78]. inverter [HBJ+02]. 
Investigating [DB07]. investigation [LJ90, Wel76, YKD01]. InvisiFence [BMW09]. InvisiMem [AN17]. Invited [Tsa16, SGG+85, SMR85].
IOMMU [MABY15, MMT16]. Ion [BKSO05, KSO08]. Ion-Tap [KSO08].
Ion-Trap [BKSO05]. iOS [AHA+14].
IOStone [PBL90]. IP [Mad94a, BSR06, BC02]. IPC [AHK80, Alb98, Mikk03]. IPC/clock [Alb98].
IPP [ABY+87, MYB89]. iPSC [MR90]. iPSC/2 [MR90]. IRAM [FPC+97]. Irregular [LLD+17, CBK+14, KTC00, NP11, SKB09, ZT95].
irregularities [ZJG+11]. Irreproducible [Mud96]. ISA [BLJ+17, DVT12, KTR+04, RAJ99, TML+17, VT14, VSST16, WIT16].
ISAAC [SNM+16]. ISAs [HNTL11]. ISCA [ACM89a, ACM84, IEE03].
Isolation [CP17, ARJS07, DZ09, LCF+14, MTC+07, RRRV09]. ISOLATOR [RRRV09]. Israel [ACM89]. Issue [ISJ04, JWB93, JWB94, Ram88, ABZ07, AZ05, AS96, BKA03, CM+91, CM+98, CYL99, CMMP95, FG01, GL11, HHJ90, mWH98, JKT05, JKT09, KCO5, KSN07a, Pen88, SJH98, SV87, SoH98b, TEE+96, TKJ07, VM97, WS84]. Issues [EGK+85, BD86, BURG, GTB89, GH88, GRD87, HCD+94, IAD+94, RSG93, SLG95, UJ92].
issuing [HKK+92]. iSwitch [LQL12]. Italian [CJM77]. Italy [ACM95].
Itanium [BT13, SzAK+04, WCW+04].
Itanium-2 [WCW+04]. iterated [HA90]. Iteration [SKEK]. iterations [FAY83, UZU00]. Iterative [CFE+12, SA87].
J [All92, Atk79, Ber91a, Bow79, Fer88, Gor83, Lan90b, Mil77b, Mud80, Tak88, DCF+98, NWD93, SGS+93].
J-machine [NWD93, SGS+93, DCF+98]. Jack [Sac83].
jHISC [HFL03]. JIT [DZ+14]. JIT-based [DZ+14]. JiTI [RD01]. JNI [CDG+17].
job [EE10b, ST00]. Join [Atk79, Ben82, Bow79, Fos93b, Gor83, Mud80, Ben82, Bit89, Col88]. Johns [FR72].
jumps [CPF97, JMK+08]. June [ACM89, ACM95, ACM97, ACM98a, ACM00, ACM01, ACM84, IEE84, IEE85, IEE86, IEE87, IEE89, IEE03, IEE05, IEE06].
Just [Bra82a, Lip78a, LYK+00, RD01].
just-in-time [LYK+00]. JUSTDO [IKK16].
K2 [AFNV90, LWZ14]. Karan [Fos93b].
Katzman [Gon77]. KCM [BBD+89].
Keeping [Wil83a]. keeps [HLS05]. Kendo [OAA09]. Kenneth [Mil77b].
KENSUR [ABL+80]. Kernel [CKW16, DKD+15, LCL+16, BK05, C07, FBG12, HDK+11, LLL+13, OC78, ST03, SAS8a].
Kernel-base [CKW16].
kernel-independent [SA88a]. Kernels [LJF+16, FFM11, PTG13, SC92, SKC+03].
key [BMA00, GCG+14, LF99]. key-value [GCG+14]. Keynote [Est02, Wil84]. keys [ML05]. KickStarter [VGA17]. Kill [KTB+17]. kilo [CML04]. GKLMA01. kilo-translation [CML04]. Kilo-NOC.
[ASR+17, AW17b, AOM+14, BCSB11, CFA04, Col90, D’H16, KGCCG17, Mil77a, PGS04, PCC+08, SOM+08, SOD+14, TIVL05, TM14b, BW88, BW98a, BW98b, BM91, BBFP06, BDFM10, BD4, BMP+04b, BTM00, KBK00, CG91, CZZ+16, CG89, CCEH00, CBS98, DD90, DF92, DG99, DP80, DP98b, DP98a, Eijj90, EPCP98, EE14, FTM99, FURM00, FL76, Fra86, GCS11, GKO09, HANR12, HDT+13, HK09, HS74, JW98, JW94, JSN98, KDM+98, KB76, KS92b, KSL+12, KGS+17, KSA03, Lar82, LS12a, LKO+14, LJF+16, LYCB88, MEV92, MHP12, MT02, McDB92b, NH97, NK86, NK01, Par02, PP82, PGTM99, PT10, PT03, PHH89, QFLMK10, RRT+08, RLIC06, RLW94, RLW98a, RLW98b, Ris76, RVD07, SYL13, SL88, SLT02, SCZM00, SCH+91b, SKD+10, Sur07, SLSN14, SV74, TTMH80, TSK+83, TSN+86, Tre80, Uht93a, Uht93b, UZ91] level [WAL91, WBL89, WQL92, WY05, WC14, 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, KKP14].


lifecycle [CMR+12]. Lifetime [SBZP08, SABRO4, SABRO5, AD+13, ZNF+16].

Lifting [HS16, MFP+12]. light [HS86, SD10]. light-weight [SD10].

Lightweight [CKMWH16, HSKS15, HH08, KKK+17, KMK16, KKS+16, MCGL17, YLP+99, dCKK15, GSS05, VTS11]. Ligure [ACM95]. like [AAZ89, WIL83a, SV82]. likely [SCGA13]. limit [ASP+03, DZZ+14, YKL+16]. Limitations [TE93, AF73, BGK96, Dan93, GSU11, KPO3].

Limited [DFKC17, Su74, OT86, PIAS13, SH91, SYP+14]. limited-precision [SY+14]. Limited-Use [DFKC17]. Limiting [DGMB07]. LimitLESS [CKA91]. Limits [KTC00, LW92, SJH98, WAL91, LB80, PTG99]. Linda [KACG98]. 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]. linear-processing-oriented [OPZ11]. lingual [TTMH80]. linked [KR85b, SC05].

line-based [ADP+15]. Links [KSL08, EST89, LHL+89, NOK+83].


LISP-execution [SDP85]. List [Ano82, ATHM86, PT86, SCP80, SCP+82, SDP85].

don-row [SCP80, SCP+82]. list-processing-oriented [ATHM86].

literature [Cha78b, Hak85, sta79, sta80a, Sta80b].

Litmus [LPW17]. little [CDL13, HRR+90]. live [GTK13]. Lived [LCL+16]. lo-fi [MPP+12]. Load [DET00, GAR+05, PCC+08, RAK17, Rot05, YCT05, AAD90, BJ+99, BYG+90, CT08, GLM13, KMK12, LS96, LRC98, OKY+16, RPSV07, SREL+07, SDG703, YER99, Zha01, ZMM16]. load-address [BJ+99]. load-balanced [SDG703].

load-balancing [LS96]. Load-Load [RAK17]. Load-store [DET00, SER+07].

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

Local [KLK17, SKC16, THM14, CYL99, HS80, Hol89, MD88, SHA02, TF79, TSK+83].
local/remote [Hol89]. Locality [KKT05, KKP14, LSL+17, PCC+08, SZD04, ScJLW01, SSK17, WCL17, CM00, Joh92, KW98, KKD13, LL00, LW07, PSG06, SLcC12, SCN+10, WRSY16, WCF01, XDLB13, ZYG00, ZFC03]. Locality-Aware [LSL+17, KKD13, SCN+10].

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

locally [MI02]. Lock [GMT16, Bri87b, GP08, HM93, RG02, ST08].

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


Long [Fis83, KJC06, STS17, BK91, BKW90, CGL89, CWT+01, Fis98a, Fis98b, KG16, OCK03, OCLR90, RSF11, SV91].

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

longer [XHB06]. Look [MC91, And90, CD77, EWN05, Mas87, SK04]. Look-ahead [MC91, CD77]. lookaside [BRGH89, CFG+13, FPF+92]. Looking [ECX+11, Ill87]. lookup [SHBS14]. Loop [BC90a, CSBA17b, LR77, CZS+16, CM00, DH89, GKO+00, HW+11, KPF96, NMB92, OKJ+13, RL74b, RL76, UZU00].

loop-block [CZS+16]. looping [Ulm98].

Loops [CHM98, BG84, HA90, LS96, TYZ90].

loosely [Bhu84]. lossless [Btu06]. Lost [WBA17]. LOT [UMB+12]. LOT-ECC [UMB+12]. Low [AWSS17, HC04, HTM+05, KDV11, KSN07a, LSSG05, LLW+06, LLC98, WM04, DFRO17, SHI92, WGA+08, WC914, CG95b, CZ14, CK95, CDY+17a, CDY+17b, CK92, DRM+11, Dev90, EKM04, GDN+16, GSM06, GIS10, IMK+13, JZYZ14, KOAGP12, KC96, Kni91, KFN02, KHS+97, KR85b, IWLZ12, MPP+08, NS86, NSH+11, OSKA14, PF84, PF98, Pat98a, RWA+16, RR06, SZ94, SCP+06, SLcC12, SSB07, SH12, TDF90, TSK+83, TSN+86, UVG12, WGO+13, WAC+10, YEO9, YCMR12, ZCX+14, ZLZZ09, Mi87, Sho87]. low-cost [CK92, Dev90, KC96, SCP+06, TDF90, WAC+10, YE09]. Low-Latency [MWM04, SHI92, IMK+13, KHS+97, OSKA14].

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

Low-Overhead [AWSS17, HC04, KOAGP12, NSH+11, PP84, PP98, Pat98a, RR06, SSB07]. Low-power [LLW+06, DRM+11, EKM04, GDN+16, KFN02, IWLZ12, RWA+16, YCMR12, ZCX+14]. Low-Precision [DFRO17].

low-speed [ZLZZ09]. LReplay [CHCW10]. LRU [CP98, DSN07]. LRU-based [CP98, DSN07]. LSI [KS84a]. Ltd [Dor75].

LU [DD90]. Lx [FBB+00].


MA [EE06, Par90]. MAC [GSS12a, GSS12b, MS13a, MS13b, MS13c]. Mace [Par88a]. Machine [AK81, CRW+15, Lev92, LCL+15, RTY+87, SBK77, Wag83, ALM82, ABC+95, ABC+98, Ag98, ATMS98, ABKA85, An80, Bak91, BH78, BBB+89, BLL+83, CDS+14, Con88, CSS+91, DCF+98, DOS47, GY89, DRR98, DM82, DDP85, DSM82, Dow87, Dow88a, ERT78, FL76, Fra86, Gli83, GST74, GGK+82, GGK+98, HHA83, Hii83, Hom82, HY85, HR78, ISKR86, JDL81, JADAD06,
KONA82, KKC+16a, KW84, KBD+13, Laf83, LC02, LL14, McL90, MS80, Miy85, MKM+83, NK86, NKH+85, NOK+85, Nitt89, PH85, Ros77a, RBC84, SK60, SKS+92, SDD+07, SC01, SA87, Sie77, SA84, ST79, SB77, SV74, TN87, Tan77, TH86, TKG+02, Tra85, TM80, Tre80, Uch83, UJ92, WP87, WY05, WHZ+17, WY87, YTY83, Yue81, YHN+86, ZWS14, AYA83, Fuj91, JK77, NW93, SGS93.

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, BLAA99, BBK76, Ber74, BC90a, CWd06, Feu82, Fis84, Gl98c, HANN96, HSH96, HRC90, HW95, HH93, HP87, Jou88, JW89, LR93, LSS04, MMS14, NGS99, Par95, Par75, RO93, Smo89, TJC88, Tak87, Ter87, TBC94, TtLcC13].
Macro [CLR03, HCW+10, SS85].
Macro-SIMDization [HCW+10].
MacroSS [HCW+10].
MACS [BD93b].
Madison [IEE05].
Madman [HR78].
Magics [Alv93].
Magnitude [BNE16].
Main [AW17a, AMH+16, Dor82, ES05, AKSD16, CS11b, CLX+16, DMR+11, DGMB07, LLD+04, Mac96, QSR09, YE10, ZZYZ09].
Main-Memory [ES05].
Mainframe [EKW80].
Maintaining [AV10].
Maintenance [Lin76, LS04].
Makes [EPCP98].
Making [BDL07, NKRL06, CCA+11, Drev94, DMT13, HCBS04].
Malicious [SWL10].
Malware [KKWB17].
Man [NK86].
MAN-YO [NK86].
Manage [AFTP90, GPV04].
Managed [MAHK16, BLAA99, CBGM12, CFG+13, HR00, NUS+93, SW87, WLG+14, WK09].
Managed-Language [MAHK16].
Management [AW17a, BLI17, DM06, GNB15, GSN05, HjrCH16, HPJ+15, KGS97, KORA17, LNR+06, Mad94b, MRG12, MSB16, PPM17, RLIC06, TT08, XLWZ15, ALE90, BCZ90, BM09a, BTS+11, Bra77, BC04, CTW+13, CRM91, DFF+13, Dv80b, DK14, ELMP11, GS74, GKD+07, GSKF03, HCD+94, HS85a, HCG+96, HH93, IMK+13, JnW97, JSA10, KTM91, Kro83, LLD+04, LZZ+07, LLC+14, LDK14, MSB+11, MP14, NMZ12, New92a, PMA+13, Phi84, PHB14, PCH+82, QM91, RRT+08, RBW09, RTY+87, Req83, Ros77a, SSD+13, SA10, SHV12, Tak87, TL00, WDG+16, YBM13, ZPS+04].
Managing [DLSW76, DS02, KZA+12, SSZ90, BDA03, GJT+11, GKL+13, LZC+16, SBIS11, SK08, ZELV02].
ManArray [PP03].
Manchester [Cha92, Tan78, SK86].
Manifesting [GZC11].
MANIP [WLY84].
Manipulation [LLF03, Tob80].
Manipulator [MS80, MS82].
Mano [Buc78].
Manual [NMZ12].
Manufacturing [KMOA07].
Many [HHE+15, AYK+09, CCH+87, DII86, JLZ90, KSCE16, MLCW11, MXT07, Mat91b, MTPT12, Mus09b, ZSHG07].
Many-core [AJK+09, JLZ90, KSCE16, MLCW11, MXT07, MTPT12, Mus09b, ZSHG07].
Manycores [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, BCDL07, EW16, HSBA16, LBvH06, MS87, DZC+13, FKBS11, GH88, HG97, HEK+16, Kuh80, Laf98, Ree82, SWL10, SSAC13, WY05, WK08].
Mappings [GKU09].
MapReduce [ACRV12, GBNN15].
Maps [BLAA99].
March [IEE77].
Margherita [ACM95].
Marginal [AML+10].
Margins [BT13].
Mario [Fos93a].
Mark [CHV04].
Mark-Sweep [CHV04].
Market
New92a, NP17, Par88a, PHJH17, PCW14, PAY+17, PG16, RHL05, RDK+00, RSP05, RGSJ17, SKB+17, SDS08, SOD+14, SWA+06, SDB+15, Tab05, TMC+06, TAM+08, TML+17, VFK+04, WJZY15, WSH+05, YEP+06, YE09, ZYMS15, ZLJ16, ZH17, vPCC06, AD98, AR33, AJK+09, AHMN91, AGT11, AJ77, AKCB86, ATS14, AL74, APR89, AL91, AKSD16, Arm74, AJL14, ACM02b, AJC+88. memory
[ACK94, ACS+12, ADS+13, BLAA99, BHS12, BGC+13, Bay99, BSK+10, BCZ90, BMBW00, BF73, BLS99, BR90, BLA+94, BLA+98b, BLA+98a, BDL07, BMW09, BMV+07, BI12, BSF+91, BM06, BCC+90, Bos84, Bra77, BC04, BF90, BMP+04b, BB74, CMF+13, CDP82, CDP83, COH+11, CGS09, CA94, CL89, CZ14, Che81, CSSP87, CS11b, CLX+16, CM87, CNV+06, CMM+06, CMT00, CM00, CBRJ12, CDK+94, CP11, CRG+11, CRM91, DCW+11, DFL06, DFF+13, DVS7a, DMR+11, DLM00, D93, DLMN09, DI90, DMB07, DP12, DKCZ93, ELM10, EGG+85, FB08, Far05, FMM+07, FH88, FSS+09, FeOBA05, Fre87, FHH+89, Gao93, GCN+10, GGH91, GGH92, Gha98, GLM13, Goo83, GcC84, GHS6, Goo98a, Goo98b, GGV90, GGG+82, GGG+98, GSS95, GN99, HW77, HD77, Har91, HVAC03, HKE+16, HC04, HS13]. memory
[Hen07d, HM93, HGC10, Hic77a, HR09, HSH96, HK09, Hoo77, HMMS96, HBB+14, HX97, HKM02, HSS94, H10, Hum96, Hy93, ISL96, Ill87, ICN+10, JK13, JZL09, JH09, JH95, Jon08, cJCO99, JB97, KT91, KC292, KJT+10, KKO8, KD6+14, KSL16, KKC+16b, KE16, KW84, KL94, KFN02, KSS5, KHS+97, KC07, Kr03, La69, Las88a, LSSG05, LW95, Lee88, eHLL89, LIMB09, LAS+07, LP91, LLD+04, LCM+09, LZZ+07, Lin81, LHL+89, LMR92, LCF+14, LLC+14, LS+14, LS92, Luk01, LLC98, Mac96, MLN+12, MHS+03, MF05, MD88, MTS10, MBK90, MTC+07, MBLZ89, MKKU03, MBM+06, MGBK96, MYB89, MJ89, Nad88b, NMZ12, NUMS94, NSQ16, NPC06, NSI94, NAAL01, Nik09, Nis91, ON90, ON12, OCS89, PGV05, PBC+13, PN77, PVAL95, PGSH00, PNB83, Phi84, PPH14, PP03, PCH+82, PZT02]. memory
[QD99, Qui79, QSR09, QFLMK10, RRP+07, RPASA97, RTY+87, Rau91, Ree82, Reg76, RLW94, RPW96, RLW98a, RLS10, ROKB95, RZ80, RA90, SB05, SIG99, SN96, SA92, SD87, See89a, See89b, SWL10, SYL13, SJ89, SL92, SL93, SAR99, SVC03, SHZ97, SSH+07, SD10, SA91, SWG92, SMN+11, SF91, SLT02, SWAF09, SSR+13, SPA+98, SMH02, SHV+98, Sta89, SHMZ94, SG95, SKC+03, SC05, SHK+11, SSC98, Tab10, TK07, TMV+11, TBG+97, TBC94, TDR91, UMB+11, UMB+12, VCK+12, VGVN05, VBHY+14, VTS11, VTS12, VAV10, WS07, WHMO2, WGT+05, WK08, Wei89, Wi12, Wil85, Wil87, WCA02, WCF+93, WLZ+09, WM95, XH06, YCT05, YKA96, YE10, YJE11, YCMR12, YJSE12, YN09, kSYHX+11, Zal03, ZT95, ZRW05, ZLZZ09, ZPS+04, ZZZY09, ZW16, ZB92, BFP07, DLSW76, DS98, Gha098]. memory-efficient
[ON90]. memory-intensive
[KK08, SKC+03]. memory-latency
[MKKU03]. Memory-Level
[CA04, HK09]. Memory-Safe [CRW+15]. Memory-system [FCJV97]. MEMS
[KW11, SNG00]. MEMS-based
[SNG00]. MemScale [DMR+11]. MEMS
[FFH+89]. Mercury
[HCG+06, WGH+97]. Merge
[MCK16, LCM08]. merit [Lan77]. MeRLiN [KGGC17]. mesa
[JW82, McD82a, SS82]. Mesh
[Mus09b, SAL+05, BHBL87, DCS+14, Mus09a, SWC+95]. Mesh-based
[Mus09b, Mus09a]. mesh-connected
[BHBL87, SWC+95]. Message
[An04c, An04d, An05c, An05e, An06b, An06c, An08c, An08d, HWC91, KBS84,
LR77, BCG14, Bra77, DCC+87, DCC+98,
DRR89, FAB+96, GVY90, GH88, HHS93,
KD06, KL94, MGH+96, PH88, SK85, SHI92,
Wit76. message-based [SK85].
message-driven [DCC+87, DCC+98].
Message-passing
[HWC91, FAB+96, GH88]. messages
[RL74b, vECGS92, vECGS98, vECSG98]. messaging
[HWC91, FAB+96, GH88].

Message-passing
[HC95, Las91] Messina [Ful93].

Meta [CCEH00]. methodological [WOT+95]. Methodology
[Asl84, CS94, Che92, KL95a, KL99a, RCL73].
Methods [BS06, Gau85, BGM04, Chr90, Ei90, GSI90, KTM97, ON90, OM94, Sin92b, Tho11a, WJC04].

Microprocessor
[DBK+02, Nut77, TLM+04, WEMR04, AA82, AP76, BCL82, Che92, Dav80a, DM87, DM87b, DMB87a, FGVG13, HP02, HPU+16, HS84, HC88, KKK76, MBL+89, MFS, NHO96, OMB91, OCF00, OCL90, RV77, RZ80, SCP+06, SEI+95, Wd76]. microprocessor-based [RZ80].
Microprocessors [Ful91b, LKM+05, Pat06, SABR04, Zak77, AZ05, AL74, BS88, BS93, BFGK96, CGL92, Lin81, Lip78a, Sch77, Ste88, TA03, WOR96, WJMC04].

Microprogram [JK77, FM76].
Microprogrammable
[Coo73, NKS86, HvDJK80, TSK+83].
microprogrammed
[Arm74, Ker74, MM83, Zak73].

Microprogramming
[Gon77, FM76]. Microsequencer
[Dvo00]. microthreading [CSK+99].

Microprocessors
[BS06, Gau85, BGM04, Chr90, Ei90, GSI90, KTM97, ON90, OM94, Sin92b, Tho11a, WJC04].

Microcomputers
[Keh76, Rad82, VHL73].

Microcontrollers
[CCS+91, HRW09, HP86, HP98, JWS98, Jon88a, KS95, MPP+08].

Microcomputer
[Ben92, Sac83, Che84b, KM74, RM77]. microdrivers [GRB+08]. Microelectronic
[ABC+94]. microfluidics [ATV+07].

Microkernel
[TOL+11]. micromachines
[McD82b]. Micromodules [Coo73].
micron [CCS87]. microcontrollers
[BS06, Gau85, BGM04, Chr90, Eij90, GSZ90, Kum87, MT97, ON90, OM94, Sin92b, Tho11a, WJMC04].

Microprocessor
[DBK+02, Nut77, TLM+04, WEMR04, AA82, AP76, BCL82, Che92, Dav80a, DM87, DM87b, DMB87a, FGVG13, HP02, HPU+16, HS84, HC88, KKK76, MBL+89, MFS, NHO96, OMB91, OCF00, OCL90, RV77, RZ80, SCP+06, SEI+95, Wd76]. microprocessor-based [RZ80].

Microprogramming
[Asl84, CS94, Che92, KL95a, KL99a, RCL73].
Methods [BS06, Gau85, BGM04, Chr90, Ei90, GSI90, KTM97, ON90, OM94, Sin92b, Tho11a, WJC04].
Minimize [AT11, GH86, WS74].
Minimizing [MZLH15, DD80].
Minimum [Rou86].
Minos [CC05].
MIPS [CH87, CKDK91, SD09, UC94].
MIPS-X [CH87].
MIRA [PED+08].
Mirv [FTM99].
misconfiguration [ZRZ+14].
misleading [Cit03].
miss [AP93, BVGL00, CS06b, Quo94, TASS09, YCT05, ZPS+04].
Misses [Zhao06, DSR+93, GBHS14, HKE+16, LKL+02,LBL02,ST03,XT96].
Missing [SP96].
MissSPECulation [Cit03].
mitigate [PKM17].
Mitigation [AGS05, YMM15, MHhk+13, RLCV10].
Mitigating [KSCK17, MDS12a].
Mixed [WCS09, GSS12b].
Mixed-mode [WCS09].
ML [Dik90].
MLC [HASA14].
MLP [QLMP06].
MLP-Aware [QLMP06].
Mnemosyne [VTS11].
Mobile [KHE97, Ljdl+16, APX12, APX14, CLM07, LHG+16, LWZ14, LRS+12, MLN+12, RLCV10, SRSW14, YCMR12, ZR14].
Mode [SLG+05, De 81, TLD14, TM11, WCSS09].
Model [AHK08, AW17b, AM06, CKmWH16, CDG+17, HVML04, KS04, LWP07, MZLH15, SJA+17, TML+17, Bak91, BKS+94, Che90, DSH+10, FHM+11, GCN+10, GN92, GN98, GSM06, HK90, HK10, JB76, KB97, KS84, KDP92, KJT+10, LCMW08, Lor90, MMNB07, MJ89, NEEJ12, Nig90, Nik09, OCS98, PS77, PS98c, PA88, Quo94, RFS88, SA92, SAR99, SP98a, SMN+11, SL05, SHK+11, TWC+10, UT83, WMW09, WWC+14, YB86].
Model-based [MZLH15].
Modeling [AS91b, Ant91, EBS+04, EE01a, SS98, SH91, TAM+08, Afs05, BTS+11, BD93b, EE10b, GB57, IMC+06, JW95, LB06, LZZ+07, Rid87, ZA98].
Modelling [Nad88a, Nad88b, TBL12, Bec95, KB76].
Models [BKL+16, LB17, LCCZ17, SS85, BJ14, BF73, BC90b, GGH91, HHB+14, LCED01, LSFK08, NCLJ09, ZB92].
Modern [LSL+17, SDB+15, FAK+12, HMMS96, KS12, LJK+13, Sib07].
Modes [CCH+87, DMR+11].
Modification [Kep91].
Modifications [GB87].
Modulated [CJK+05].
Module [ABC+17, KHC92, MM83].
Modules [FSS73, HS74, MSS76].
Moguls [SHK+11].
Mojin [ZYS15].
Molecular [PDL15, GB01, MDCS13, SDD09, UC94].
Molecular-scale [PDL15].
Mondrian [DDM+17, 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 [MSI82].
monolithically [BSK+10].
Monsoon [PC90, PC98b, PC98a].
Monte [CTW+13, SL05].
MonteSim [SL05].
Moonwalk [KZV17].
Moore [Brec10].
Morning [Su74].
Morphable [QLLMK10].
Morpheus [ZZZ+16].
Morris [Buc78].
mortar [KMOA07].
Morton [LW07].
Morton-hybrid [LW07].
Morton-order [LW07].
motion [RWB09].
Motorola [Afz95, Gil80].
moves [AL12, EP84, TW91].
move-to-front [TW91].
Moving [Dal10, KE91].
MP [VSH01].
MEPEG [Kha99b].
MEPEG-2 [Kha99b].
MPSOC [FMB+07].
MPTsim [ZYG09].
MRAM [GIS10, GGP+13, WCN01].
MS [AZ89].
MTraceCheck [LB17].
MU5 [Bra82b].
MU6 [EKW80].
MU6-G [EKW80].
MU6-V [ICT85].
much [Bra80a, KJC06].
Multi [ABC+17, BSF+09, CGBS98, cC91, CBS98, KTR+04, KZT05, Loh08, MGT+17].
MSH+15, PED+08. Van81, YCR+17, nZY84, ARJS07, AA82, AP76, BW88, BW98a, BW98b, CHZ+14, CKC11, CSM+05, DS02, ELMP10, ELMP11, Eij90, EE14, FR89, FSS76, HTCA08, HTCU10, HDS10, KHP+95.
KDM+98, KMS+10, KMS+12, KKK76, KKMH11, KKP14, LBvH06, LCWM08, LLC+14, LCS10a, MK84, MLCW11, MLC+09, MŠT07, Maz77, MBS+04, MIO+10, Mus09a, MPM14, Nad88b, NSMK11, NS86, OA08, PBC+13, PBGM09, PHH89, QFLMK10, RRT+08, RKM+10, RvD77, RBW09, SWC+95, SQP08, SMQP09, SMJ+10, TF88, TTMH80, TM80, TM11, TL11, UMC+10, UZ91, VIA+05, VJE+12, Wid76, WAC+10, XL09, YZ07b, YLHL10, YN09, kSYH+11, CH04, NMS+14, multi-[MŠT07], multi-ALU [KDM+98], multi-bank [PBC+13], multi-bit [WAC+10], multi-chip [KMS+10, KMS+12], Multi-CHIP-Module [ABC+17], multi-configuration [DS02]. Multi-Core [KTR+04, KZT05, MGT+17, Loh08, ARJS07, CHZ+14, CS+05, ELMP10, ELMP11, EE14, HTA08, KKKH11, LCWM08, MLC+09, MBS+04, Mus09a, NSMK11, PBC+13, PBGM09, RBW09, SMQP09, SMJ+10, TL11, XL09, YZ07b, YLHL10], multi-cores [HDS10, MPM14, UMC+10, VJE+12], Multi-dimensional [nZY84], Multi-execution [BFS+09], multi-FPGA [MIO+10]. Multi-GPU [MSH+15, NMS+14], multi-hop [KKP14], Multi-layered [PED+08], Multi-level [CG89, CSB98, BW88, BW98a, BW98b, Eij90, PHH89, QFLMK10, RRT+08, UZ91], multi-lingual [TTMH80], multi-memory [Nad88b], multi-micro-computer [FSS76], multi-microprocessor [Maz77], multi-microprocessor [AA82, AP76, RvD77, Wid76], multi-mode [TM11], multi-path [CKC11], multi-policy [LLC+14], multi-port [SWC+95], Multi-processor [Van81, NS86, TM80, VIA+05, YN09], multi-programming [Van81], multi-purpose [HTCU10], multi-queue [TF88], multi-sensory [MK84].

Multi-Stage [YCR+17], Multi-threaded [cC91, KHP+95, LBvH06, MLCW11, OA08, RKM+10, SQP08], multi-threading [MLC+09, kSYH+11, CH04], multi-user [FR89], multi-variable [LCS10a], Multibanked [TIVL05], multibit [OCBL12], Multicast [BDH+99, JPL08, LN91], Multicasting [JPL08], Multicomputer [VMN06, AA84, AAEBAT98, BLA+94, BLA+98a, BLA+98b, FAB+96, GB83, HB90, LN91, Mat85, NS91, NWD93, SWC+95, WLY84], multicomputers [AGSY94, AKB+89, GH88, MC92], Multicore [BRUL05, DM06, GMT16, MK11, PQNT16, SLFG06, WM16, ZBBL16, ZE16, BBJ+08, BFS+09, EES+11, EE10a, FKBS11, GCTR08, KST11, NCL09, PQ+09, PIAS13, PIB10, SSD+13, VNN13, WZJ10, WCS08, WJS09, WJGA12, WZ13, ZYGPO9, ZBF10], Multicores [RHR+17, GTSS13, Irw10, JM12], multicube [GW88], multidestinations [SSP97], multidimensional [BHS91], Multifacet [MST+05], multifunctional [CJM77], multigrain [YKA96], multigrid [MT97], multilanguage [BF87], Multilayered [BS87], multilevel [MSSZ76, PPZ96], MultiLisp [Hal87], Multimedia [Roc94, GSR93, GMS+99, HKA+01, Kha99b, Kha99d, JTM01, Th03e, Wra91, HA04], multimicrocomputer [NOK+83], multimicroprocessor [MS76], Multinomial [TJCC88], multithread [CH84, MKKU03, MG91], Multiple [AK81, CB17, CGVT00, GFT+15, EMZ+16, HCC+06, HKT93, HJL89, HHJ90, JPT14, Las88a, MIT89, ORS+04, PQNT16, TM05, AZ05, ABC97, AS96, BA84, CMC+91, CMC+98, CS80b, DNSD13, Dav80a, DC09, Dow91, Dre94, EP87, GWM03, HKN+92, HS85b, HDP+90, mWH98, JS88, KR85a,
LGH92, Lee85a, MJW11, MSS+03, Mar82, NUMS94, OPZ11, PS88, PAVT16, RL74a, RBS00, RF90, SWY10, SA92, SP89, SJH89, Tho13a, TtLeC13, VE14, WCT98, WG89b, WJM04, YM11]. multiple-API [NUMS94]. Multiple-banked [CGVT00]. multiple-bus [SA92]. multiple-context [LGH92]. multiple-FPGA [YM11]. multiple-instruction [mWH98]. multiple-instruction-issue [CMC+91, CMC+98]. multiple-issue [AZ05, AS96]. multiple-precision [JPT14]. multiple-processor [BA84]. multiple-site [Dre94]. multiplexed [GCLM85]. Multiplication [D’H16, MPPZ87, RV84, SBV91, WJ85]. multiplicity [LLC+14]. multiplier [HS85c, SMD+13]. Multipliers [BdDPT10, OCBL12, Tad13]. Multiply [THEK16, LGM+14]. multiply-add [LGM+14]. multiport [For94a, For94b, LHL+89]. multiported [TA03]. multiprocessing [ALKK90, AlS3, BGM+00, DLCO09, Gra91, Las88b, Str83, Wil78]. Multiprocessor [Ber91a, BD86, CLS05, Göh14, Han78, LYL87, Man01b, Miy85, MCT08, SA88b, ASK85, AR89, BFP03, BKT87, BF73, Bri87b, BC90b, Bur84, CCC+88, CSB86, CBS88, CGBG88, CM80, Cve03, DVT12, Den03, DS89, DI90, DI91, DSN07, ED83, FCP92, FH88, FF73, Fra90, FHH+89, FP91c, GKL83, GLH88, GL73, GL98a, Goo87, Goo88b, GW88, HAOS86, Hal87, HS77, Hoo77, HDP+90, JB76, JS99, Joh88, Joh92, KDP92, KDS+06, KC82, KSN07b, KR80, KOH+94, Kus98, KOH+98, LH91, LS82, eHLL89, LR90, LWV+10, LLG+90, Lip98, LMR92, Lm85, LRHM90, Mal80, Mar85, MSB+05, MF05, MPS89, Mi92, Mil82, MBLZ89, MPSV06, MKHT09, NMS+00, NO94, NH90, Nl85, Nik09, NP95, Oya89, PR82, PNB83, Phi84, PP03, PWA13, PP92, PH88, RC91, RTY+87]. multiprocessor [RB90, Rod85, SP84, SP85a, SK85, SA92, SC89, SJ88, Sin92b, Tab88, TS78, TS90b, Tob80, TTMH80, TP90, TE93, VI94, VT14, VLZ88, VM88, Vin77, VGSS85, WG89b, XBH03, VF85, Zah03]. multiprocessor-array [Mic92]. Multiprocessor/distributed [Miy85]. Multiprocessors [CTTC06, CS06a, CMR+06, JKT05, JKT09, KKS+08, LNR+06, LHL+89, SSZR05, SST06, TT08, TKJ07, ZA05, AT11, AGS89, BSL08, BD93a, BM09a, BM10, Blu84, BM09, BNA88, BR92a, BF90, CS89, CJK+05, CK92, CY96, CMT00, DFL05, DD90, DN93, DB82, DS86, DSR+93, DS98, DS98, FB08, Far05, GLL+90, GGH91, GGH92, GLL+98, Gha98, GSV03, GVW99, GGV90, GS95, Har91, HGC10, HT14a, HJLS9, HGS+07, IKKM07, KEL91, KHN07, KADS04, LW95, LAS+07, LAS85, LS92, MPT91, MHS+03, MC92, MNLS97, MBK90, MGBK96, Nad88a, Nad88b, PAA97, PP84, PP98, Pat98a, PVAL95, Pri91, PZT92, PP09, QSQ14, Rat85, RSG93, SGC+05, SD87, SHZ97, SA91, SMHW02, SHV+98, SK08, Ste89b, SY89, TSB97, TD91, Wah83, WM09, WG89a, WAF07, Wil87, WM88, ZL14]. multiprocessors [ZK90, ZT95, Ber91b, Kri91]. Multipleprogramming [GH76, CGL92, DI90, MP86, TGC+14, XJ+16]. Multiscalar [SBV95, SBV98, Sol98a]. multistage [DS85, HJ87, KR85b, SS89, SK09, Ste89b, TYZ85, VR87, WL88]. Multitasking [HCl77b, 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, PGS06, RM00, SW16, TSCH99, TEL95, TEE+96, TEL98a, TEL98b, VPC02, WLG+14, WW93, WCW+04. MultiTitan [Jou89], multivariate [GLVC13]. München [ACM04], MuNet [HW80], Murli [Fun93].


N [NI85, JVV13, Sin92b]. N-body [Sin92b]. name [Lin77], NAND [KRM08], nano [HHL16]. nano-instruction [HHL16]. NanoFabrics [GB01]. Nanometer [Emm06]. Nanophotonic [VSMT08, XYM12]. nanophotonics [PKK+09]. nanoscale [ICN+10, LN07, PJDL06, PCDL09].

National [Mat78, TF01]. Native [CSBA17b, AHA+14]. nature [Cox79, HSS12]. navel [Lin76]. Navigating [WBKR13, SHBS14]. navigation [KM74].


Nercromancer [AFGM10]. nectar [AKB+89]. Need [NP17]. needle [Dal10]. needy [PMA+13]. negative [SCAP97].

nest [KPH96]. Nested [DKD+15, NNIS16, SJA+17, SSK17, GHS16, MBM+06, TY790].

nests [CM00]. Net [Fu191a]. nets [AF73, Lip88, Zab80, Joe90, Yok94].

Network [BHM+17, GPY+17, HCJC06, HTM+05, HSL17, HIT05, KSL08, KMSV12, LER+17, LNR+06, LR77, LNN+17, Mad94b, MCK+16, NZO+05, RLD+17, SAKD06, SLTC16, TQC+15, ZBBL16, AA86, AJH+16, AKB+89, BS87, BLS99, BDH+99, BSR06, BSD87, BLA+94, BLA+99b, BLA+98a, CG95b, CS13a, CLX+16, CMP+88, CKA09, DNSD13, DCS+14, DSH+94, DR91, DKCZ93, Est02, FFdDH00, GP88, GHKM11, HS80, HLM+16, HCV03, yKPR02, KHSB14, KMS+10, KS91a, LH86b, LF82, MS80, MS82, MSZ90, MG91, MFHW96, N880, NS94, PKK+09, PR82, RFS88, RWA+16, RL74b, RL76, Rui90, SP84, SP85a, Sez86, SNM+16, SKB09, SVC03, SM89, TF79, TGG84, TLLL07, WL88, YLT06, vIG80].

Network-in-Memory [LNR+06].

Network-On-Chip [BHM+17, KSL08, DNSD13, GHKM11, PKK+09]. networked [HSW+00, Nak01]. networking [SHMZ94, VGN05]. Networks [ED17, FK17, IPWK06, KNP06, KDA08, LNA08, Lev92, MMW04, PRM+17, PAY+17, SAL+05, VRB+17, APGP07, AMW+10, AA11a, AS92a, AWV88, Ann91, AEBA98, BK11, BK91, BHBL87, BAE89, BV+00, BG80, BC02, CSJC10, CES16, CK92, CH84, MMDD10, DS85, DCB+94, EKM04, FW82, Fra90, FAH83, GH88, GL73, GL98a, GCLM85, HJ87, JM88, JMY89, JKD09, KCO2, Kha97a, KLHJ88, KC96, KDA07, KHS+97, KJ83, KR85b, KMSV12, LHH91, LW84, LC02, LN91, Lip98, LDT+16, MJW11, MBLZ89, MM87, MM90, NS91, NBK95, NMTH01, OQ91, OT73, PW97, RHS96, Ros89, SC98, S889, SH80, Sic77, SDT03, Sov83, Ste98b, Tem10, TYZ85, VR87, WGO+13, Wit76, XYM12, Yok94, YA90, nZY84, Mar88, Pen88].

Networks-on-Chip [FK17, AA11a, MJW11, WGO+13].


Neurocube [KGC+16b].

Neuromorphic [Geh14, HNTL11, KKC+16b]. neuron [AJH+16, YM11]. neurons [Smi14].
Neurosurgeon [KHG17]. Next
[AYQ+16, CG95a, CCA+11, Lee72, CH04].
Next-Generation
[AYQ+16, CCA+11, CH04], NHT [Fin93].
NHT-1, NIC [HTM15, YKD01].
NICE [Ulm97]. NonRDY [CG95b]. Ninja
[SKC+12]. NJ [Ber91b]. No [RRT08].
NOBLE [ST08]. NoC [KSL08, GHKM11,
BHM+17, DCS+14, NCLJ09, PDL15, YL16].
NoCs [KKP14, PWA13]. Node [Emm06,
LSS04, RSG93, TGGS14, VSM+07].
nodes [NMS+12, TAV10]. NoHype [KSR10].
Noise [PV04, PV03]. Non
[AMH+16, BSADAD04, CYMT16, CYG+17,
HTA08, HHS13, JCSK14, LB17, LLLG16,
RCAK17, YNQ15, ZYMS15, BK96a, BK96b,
Che87, CS11b, CCA+11, CLS73, FJ94,
GRRT84, KBK02, LZC+16, LWS75, McD77,
NMS+12, SA92, ST08, SKA13, TZH+13,
VJ95, WGO+13, Zak77]. Non-blocking
[HTA08, BK96a, BK96b, FJ94, ST08].
non-blocking/lockup-free
[BK96a, BK96b]. non-critical [LZC+16].
non-determinism [SKA13].
Non-Deterministic [LB17, LLLG16].
non-exact [TZH+13]. non-interfering
[WGO+13]. Non-Invasive [BSADAD04].
nongeneric [CL73, LWS75, Zak77].
nongeneric [GRRT84].
Non-Preemptive [CYMT16, CYG+17].
Non-race [HHS13]. non-redundant
[Che87]. non-software [McD77].
Non-Speculative [RCAK17]. Non-SSD
[JCS14]. non-uniform [KBK02, SA92].
Non-Volatile [AMH+16, YNQ15, ZYMS15,
CS11b, CCA+11, NMS+12, VJ95].
nondeterminism [HBCG13]. NonStop
[HHJ90]. nonuniform [KMT91]. NOrec
[DCW+11, MS15]. Nostrand
[McG78, Vra78]. note [Lun75, Wan93].
Notes [BSLF05]. notion [vdSS79]. Novel
[HS16], PAD16, Bar82, CCE+09, CLX+16,
Couv90a, CS12, Kha97b, KNP+07, Lap90,
MS10, MIT89, PSB13, SMD+13, SSAC13,
Ste88, SC05, TRA91, VFK+04, WHM02,
YY92]. NPCryptBench [YLT06]. NRE
[KZVT17]. NT [LCB+98]. NUAL [SJ04].
NUCA [BFG+07, HFFA09, MB07]. nucleus
[KONA82]. Nuggets [Th09, Th91a,
Th91b, Th91c, Th92a, Th92c, Th93a,
Th93b, Th93d, Th94a, Th94b, Th94c,
Th94d, Th95a, Th95b, Th95c, Th96a,
Th96b, Th97a, Th97b, Th97c, Th97d,
Th98b, Th99a, Th99b, Th99c, Th00a,
Th00b, Th01a, Th01b, Th01c, Th01d,
Th02a, Th02b, Th02c, Th03a, Th03b,
Th03c, Th03d, Th04a, Th04b, Th04c,
Th05a, Th05c, Th05d, Th08a, Th14b,
Th14c, Th15a, Th15b, Th15c, Th16,
Th19d, Th92b, Th93b, Th98a, Th98c,
Th95b, Th96c, Th96a, Th96b, Th97a,
Th97b, Th07b, Th07c, Th07d, Th08b,
Th09b, Th09c, Th09d, Th10c, Th10d,
Th10e, Th11b, Th11c, Th11d, Th12b, Th12c,
Th12d, Th13b, Th13c, Th13d, Th14a].
null [KKN00]. NUMA [BSF+91, CSBA17a,
DFF+13, FW97, GTS+15, LL14, LC96,
MNLS97, NDB+14, SKJ+17, SJG92, SC05].
NumaGiC [GTS+15]. number
[DSG11, Fis84, GSS12b, Joh04, MS12, Sez96,
SGS11, TS90a, VLL+92]. numbers
[CS11a, FTP94, MS10]. numeric
[CL73, HB90, HHS0, LWS75, Pal80, Zak77].
numerical [Che90, GRRT84, HRC+90,
MS76, NNN+91, PB80]. NV [CC11].
NV-Heaps [CC11]. NVM [LSY+14].
NVMM [CS11b]. NVRAM [KKB+16].
NVWAL [KKB+16]. NYU
[EGK+85, GGK+82, GGK+98, Got98].
BC90a, CFE+12, DET00, Dal89, DSOF11, KPK96, LLC06, McF89, MTG+99, OKN02, OMB92, RYF+13, SDH+14, TL11, TACT08, TL00, VSW+13, ZCSM02, ZR05.

Optimizations
[CFP04, BP04, BTM00, DS06, KL02, KMC02, LRW91, 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 [PSR05, BS74].

Optimizing
[BVGL00, CPV05, DHT15, IMMC08, LL14, PAY+17, RH+17, DFRO17, Sch01a, SG95, ACRV12, BC04, Har82, HKM02, HC89, LQ12, SC90, VAV10]. optimum [HP02]. option [Fon03]. Options [QD98, TTT10].

OR-parallel [DRR98, ST87]. ORAM [FRK+15]. ORB [OUY+13]. orbiter
[Sat74]. Orchestrated [JKM+13, RSEW04].

Orchestration [FKBS11].

Order
[KS04, TP08, AIO+11, BMM14, CMLV04, HX97, HHS13, HP87, JSL95, Lee85a, L07, MTZ13, NEEJ12, SW16, SL05, SD09, XDLB13]. order-sensitive [HHS13].

ordered [GB74]. Ordering
[CLO4, LSMB16, vPCCR06, AH90, AH98a, AH98b, BMW09, DCS+14, GLL+90, GLL+98, Gha98, LNR12]. orderings
[Jon08]. Orders [BNE16]. ordinary
[AS92b, VJM99]. Organization [CSSP87, GCO+04, WBL89, BC91, CM80, DJ99, Kro98a, Kro98b, KKP14, Nad88a, New92b, New92a, UMC+10, VBS97, RAM98]. 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, My77, NKS86, SM77, SL074, SEE74, Wel76, YHF03, ZSL10].

Origin [LL97]. origins [HLR98]. orthogonal [HDP+90, SC89]. orthogonal-access [HDP+90]. Orthrus
[HDS10]. OS-level [XLZW15]. OSek
[TP08, HX97, AIO+11, CMLV04, HP87, JSL95, MTZ13, SW16, SD09]. Outlier
[HTM15]. outline [CHJ38]. Output
[CD77, JWB93, JWB94, KC74, Che90, MCD77, PAV16, AS91b]. OUTRIDER
[CP11]. Outstanding [LSB15]. overall
[Jon04]. overcome [ON12]. Overcoming
[KP03, SGH93]. Overflow
[SDLR+15, Ino05]. Oversead [AWSS17, CG95b, CJ01, HC04, JH94, KOAG12, LW95, LAS85, MVCA97, NSH+11, PP84, PP98, Pat98a, RP85, RPF06, RSP05, ROK95, SSB07, SHV12, WRS4, YL16].

Overheads
[KSC17, KZT05, D90, LYK+00, MHI+13, NSI94]. Overlapped
[DHB89]. Overlay
[EW16, JLMF15, LJF+16]. Overshadow
[CGL+08]. Overview
[CBF93, Hal87, Mo83, GKF84, GSR93, GA79, JW82, KGM87, MFST88, RCG91].

OWL [JKN+13]. Oxygen [SWW02].

P
[Col88, Tab96, Fos72a, JDL81, PR05].

P-Thread
[PR05]. P400 [MET87]. p754
[Ste8]. PA [SGH97]. PA-8000 [SGH97].

Pacifier
[QS14]. pack
[Las88b, Las99a, Las91]. package [SW90].

Packet
[AW+16a, PGVB04, CH84, DMMD10, DR91, KDJ83, LMN76]. packets
[Jai8].

Packaging
[HGT05, PEP09]. pads
[ZWM+14]. Page
[ANS+15, AW17a, CB17, LER+17, AHJ12, BCR10, BSSM08, CNV+06, KU09, H089, K07, LFZE00, LS12a, Z96, ST03, SM89, TKHP92, W191, ZPS+04]. page-based
[CNV+06]. page-level
[GBK09, LS12a]. page-sized [SM89]. paged
[AR3, O82, CDP8, CDP8, RTY+87]. pages
[OCS98, Sta89, SCN+10]. **Paging**
[SKB+17, GHS16, Lip78b, MP86]. **Pair**
[MCXS16, BC02]. pairwise [IBC12]. **Pallas**
[HABZ17]. **Palo** [IEE79].

**[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** [All92, BGP+01, Ber91c, BFA+15, Bit89, BAB88, Cha92, Ful93, GFT+15, GFNW86, HJrCH16, Hib80, Hil91, HCL15, HK90, JWB93, JWB94, Lan90a, Lei91, LHPL87, LN92, Mar73, McG78, Mil77b, Par88a, PKB+16, PZK+17, RP85, Rui86, Sav85, SD17, SBK77, TS90a, Vra78, YMM5, vdhHS90, AS91a, APP+14, AR80, AS92a, APR89, AR89, AFNV90, BM91, Bat80, Bat98b, Bat98a, BBHH, BBZ88, BTF77, BF87, BWJ+90, CL09, CLVW93, CPdM+96, CO82, CCC+88, Cha90, CKuWH16, CSY90, CAD09, CG92, CLC90, Cou88, CBF93, CHKM93, DD90, DM91, DRR89, DESE13, DJT94, EK88, EK89a, FDS7, Far05, FR89, FFM11, FR87, FHH+89, FKT+89, Gai83, GKF84, GAG88, GCN+10, GVC+10, GMT89, GKS1, GGK+82, GGK+98, Hak85, HW80, HFS88, HJ86, HW87, HHS+91, HHS+93, HRC+90]. **parallel** [HB90, HA90, HC88, ICT85, ISKR86, JSW87, JDL81, Joe90, KTK12, KFQS84, Kap87, KPK89, KM86, KL94, KSS+95, KBR99, La95, Lee88, LWRC10, LAB+11, LR93, LV88, LMRS92, LS92, MST+07, MT02, MM87, MFST88, MM814, Nae85, NNS+90, NK86, NPA92, NOK+83, Nis91, Nut77, PvsG80, PAP+12, Qu79, RCL73, RCR3, RB99, Rid87, RS84, RA90, SJLM14, SKC+12, SGG+85, SL92, Sib07, SSDK84, STV94, SWG92, SGS+11, SSS8, SGS+93, SG95, SSP+97, SB77, STS87, SP87, Tad13, TYZ90, Tan83, TBC94, Tra85, Uch83, UT83, VGK+10, VGSS85, WY05, WWW+88, WK08, WSC92, YPD83, Ye09, Yoko94, YW89, dRBC93, vT89]. **parallel-disk** [Yok94]. **parallel-pipelined** [YPD83]. **Parallelism**
[BCSB11, CFA04, HhEH+15, HPJ+15, JHK+16, MM08, OS03, SGS08, SJA+17, TMC+06, YLP+17, ABSC98, AKSD16, BDA03, BK11, BDMF10, BYP+91, CKJ+05, CSS+91, DF92, EE14, FFdDH00, FURM00, Fra86, FS92, GTA06, Har78, HDT+13, HK90, JW89, JWK12, KDO2, KDM+98, KSL+12, KTC00, KR+08, Kum87, KHN07, LW92, MEV92, MP91, NH97, NPS+89, PGTM99, RVD07, SSS8, Sur07, TPO06, TSK+83, TSN+86, TEL95, TEL98a, TEL98b, Uht93a, Uht93b, UZ91, Wa91, WR85, YKL+16]. **Parallelism-Aware** [MM08].

**Parallelization**
[BS06, RA90, SKA+11, ZS15, AC09, CBK+14, CMT00, GSM06, HGS+17, LSFK08, NIS94, PGRT01, KRM+10, SAS90]. **Parallelizing** [LZ93, NPCF08, WDC+13, CO03, VLR+11, ZWS14]. **ParaLog** [VGK+10]. **parameterized** [CM00]. **parameterless** [NL14]. **parameters** [Kee79b, RHZC74]. **Paraprox** [SJLM14].

**Parasol** [GK+13]. **Paravirtual** [KMN+16]. **paravirtualization** [SBQZ14]. **ParcBench** [GN99]. **PARD** [MSS+15]. **PARDIS** [BI12]. **Parity**
[SGH93, LK91, MAD11, Th12a]. **Park** [MII+77b].

**PARSEC3.0** [ZBBL16]. **Part** [RGSJ17]. **Part-of-Memory** [RGSJ17].

**Partial** [SKCY16, AR80, Cit03, GLH88, GKS1, JS98, MM+95, RRP06]. **partial-multiple-bus** [JS88]. **particle** [KW84]. **partitioned** [DS85, FPF+02]. **Partitioning** [SMF17, BG80, CMB+13, Dev93, GL73, GL98a, HA00, KPR+08, Lip98, LPMZ11, SK11, SC90, WBRK13, XL09, XJK+16, ZA98]. **Pascal** [SV82, WAK80]. **Pascal-like** [SV82]. **PASM** [SDK84]. **Pass** [Emm06]. **passing** [FA+96, GVY90, GHH88, HWC91, Kee79b, ...]
Past [Ber91c, Hey90, TH03, Tha10, VPS01].

PASTIS [TTCM10]. Pat [Goo88b]. patch [VNN13]. patents [ZK17].

Path [BG80, HABZ17, MCXS16, MMP+12, CTPY02, CKC11, CS00, CCB+06, Deb89, DB00, FB01, JW97, RYF+13, SKB97, UJ92, WCT98]. Path-exploration [MMP+12].

Pathologies [BMV+07]. paths [NLS88, PR82, UC01]. patient [Hu85].

Pattern [AWS16, BOC06, KORA17, DJPK16, KMVS12, SJLM14, Vin77].

Pattern-Aware [KORA17]. pattern-based [SJLM14]. Pattern-Recognition [AWS16].

Patterns [Par88a, PKB+16, WJZ15, DJPK16, WG89a].

Patterson [CS80a]. Paul [Fu93, McD88].

Paving [PS14]. PC [DJ09]. PCI [dICKK15].

PCIE [KHBS14]. PCM [AKS16, DZC+13, WJZY15]. PCM-based [AKS16].

PCMs [HASA14]. PDOC [Hak85].

PDP [BS76, BS98b, BS98a, CRW+15, Fu17, Hug82, Jen78, Mid82, Str76].

PDP-10 [Fu76]. PDP-11 [BS76, BS98b, BS98a, CRW+15, Hug82, Mid82, Str76].

PDP-11/60 [Hug82]. PEACH2 [HL15, KHBS14]. Peak [CDY+17b, Won16].

Peephole [BA06]. Peering [CHJ83].

Penalty [KT91]. Pending [CHCW10].

Pennsylvania [IEE87, ACM96]. Pentium [KPH+98]. Per-thread [EE09].

Perceived [MCD+08]. Perception [MK84]. Perfect [KPK89, BAE89, KPK0, BR90, KPK90, VSH91].

Perform [AK00].

Performance [ASK85, AF95, AW04, AAD90, AW17b, AR89, ABC+17, AE01, BRU05, BNZ08, BB30, BC91, BMV+97, BJ90, BLO90, CSM+05, CK00, Cve03, DDK+16, DNS95, DI90, DI91, DDP85, Don83, Don85, Don88, Don90, Don92, DHT15, EP87, EP88, EAS+17, FD87, GGH91, HO91, HS00, HAN96, HJ96, HJ97, Hen07b, HL15, HB90, HS93, IT93, IS92, Jor83, JYP+17, KDS012, Kar07, KPS+16a, KMDP92, KPH+98, KKK92, Kja97, Kka99b, Kha99c, KPS+16b, KTR+04, Lau05, LIVW84, LK91, LLD+04, MP86, MS82, MZLH15, MM41b, MM88, NMS+14, OQ91, OSF+15, OMB92, Pon91, PHH88, PEB+09, RHR+17, RAJ99, SMD+13, SK85, SA92, Sch88, SG92, Sib07, SPM+06, Tab95, Tad13, TNN87, TS90b, TP08, WSC+14, WEM04, WFT87, YEP+06, YPDP83, YT04, Yon02, ZA98, ZH16, dICKK15].

Performance

[AD98, ABY+87, AJK+09, ABC+95, ABC+98, Aga98, AS91b, AKB85, AKCB86, AZ05, APR89, APX12, ACJL13, ACS+12, AML+10, BD93a, BFGP06, BFP07, BM99a, Blu84, BMW90, BS95, BNA88, BD93b, BEH91a, BB74, BCD12, CH01, CBG12, CA94, CSW94, CL90, CP90, CB92, CB94a, CJZ99, CGBG88, CY96, Cla87, CK88, Cra79, CJDM99, CJ01, CB13, CB94b, CKPK90, DDS94, Dah95, DLY+16, DV87a, DS85, DCD+94, DMS+13, DB07, DJ90, DK89, Dow91, DJT94, ELMP10, EK80, EK89b, EK89a, EWN05, EC84, EC98a, EC98b, ECX+11, EE93, EEE96, FJ94, FaRP9, Fat90, FB92, FHU00, FUM00, FHH+89, FTG88, Fu17, GS12, GAH+12, GMT89, GMF+11, HLM+82, HLR98, HHA83, HWH+11, HJB+82, HW87, Hig90, HK10, HBB13, HHS93, HMM89, HYY96, HPS6, HCS9, HP98, mWHP98, Hya93, ISL96].

Performance

[IM02, JVV13, JTSE10, JMY89, JS99, JMK+08, JKN+13, Joh04, Joh92, Jou90, Jou93, Jou98a, Jou98b, JCR10, JB97, Kar98, Kat97, KBB76, Kha99a, KKh96, KSS+95, KFMN2, KSN91b, KDL+93, KDL+98, KHC91, KKM94, KLRW09, LHP0, LHP1, LS82, LKB91, LBO6, LB11, LLJ+92, LLL+98, LLC9, LCB82, LBH12, LL14, LBB+98, LPL+09, LRHM91, MLC+99, MS13, MPH12, MCD+08, MR90, MWH03, MDS12a, MTT13, MB91, MUS09b, NAD88a, Nad88b, NRRS05, NIS99, NG94, NS86, NP90,
PH90, PT10, PHH99, Prz90, QJP+07,
QSR09, QFJL12, RFK88, RBS00, RHZC74,
RR77, Reg76, Ruc94, RBC84, SBRM09,
SB05, SJ86, SKC+12, SC89, SNN99,
SRWB14, SRJ+05, SSkP+07, SP98a,
SEI+95, SH91, SMB09, SP89, SG94, SZ88.

**performance** [SV87, SV98, Soh98b, SC02,
SL05, SW87, Ste89a, SJG92, SG95, SKC+03,
SQP08, SPR00, TYS+94, TF88, TRA91,
Tem12, Tic88, Tri80, VGNV05, VLZ88,
VV14a, VV14b, VGSS85, WBL89, WGH+97,
Wil01, WSC92, WBS+88, YTY83, YZ07b,
YMHB00, YHZX14, ZS00, Zub80, ZB92,
Ber91a, VJE+12]. **Performance-Directed**
[Tab95]. **performance-optimal** [PHH89].

**performance-transparent** [BMW09].
**Performance/Watt** [Lau05]. **period**
[CHCW10]. **periodic** [JW95]. **peripheral**
[Bra80b, Cout90b, MS84]. **peripherals**
[VPS01]. **permanent** [NSH17].

**permutation** [Bak94, RE13, Sov83].

**Persist** [STS17]. **Persistence**
[RC05, NH12]. **persistency** [KGS+17, PCW14].
**Persistent** [IKK16, KPS+16b, LZC+17, NH+17,
SKB+17, CLM07, CCA+11, GPR87,
KBC+00, LSY+14, VTS11]. **Personal**
[HLZ+15, Got98, LP00, LP98, Pie83, Pie98].

**Perspective** [GSM05, ACK+95, Fre87,
Hen07c, KR13, Mus09b]. **Pervasive**
[KLD+16]. **pessimistic** [Wan97]. **Petri**
[AF73, Joe90, Zub90]. **Phantom** [BM99c].

**Phantom-BTB** [BM99c]. **Phase**
[SSC03, WJZY15, JZY14, LIMB09, QSR09,
QFLMK10, QFJL10, SWL10, SYL13,
SZ04, ZZY90, dRBC93]. **phase-change**
[QSR09, SWL10]. **Phastlane** [CA09].

**Philadelphia** [ACM96]. **Phoenix** [Ste81].
**phone** [KDV11]. **Photon**
[PDL15, KMS+10, KMS+12, TCCM12].
**photonic** [BSK+10, UMB+11]. **PHP**
[GSL17]. **phylogenetic** [LH88]. **Physical**
[Dan93, HGS+07, LMG04, Ozt15, SSO05,
AMPH09, GCG+14, Oya89, VCK+12].

**physically** [For94a, For94b, JWK12].
**physics** [KDKB78, YFPR07]. **PicoServer**
[KDS+06]. **PICSEL** [MCD+08]. **Picture**
[Isa74, AC09, Cal74]. **PIE** [VJE+12].

**Piecewise** [Jim05, Req83]. **PIF**
[YSCC16]. **PIM** [ISKR08, SKC+03]. **PIM-D**
[ISKR86]. **Pin** [MF05]. **pinning** [SK10]. **pins**
[CHZ+14, PM92]. **Pipe**
[MTU+15, GtHL+85]. **Pipeline**
[MKG98, OSF+15, PV03, BMO1, CCE+09,
GTA06, HPF2, HBJ+02, IHS80, KMI+85,
KDM92, MIO+10, PD76, PD98, Pat98b,
SN95, TST07, Wil83a, YMS07]. **pipelined**
[AS91a, BFAJ93, GKF84, GM90, GLVC13,
Jor83, Kog73, Kog77, LM80, MSB+02,
NOK+83, OMB92, RV77, RR77, Rym82,
SVC03, SA88a, SA91, SP85b, SS85, SP98b,
SMi98d, SV87, SV98, Soh98b, WS84, WS87,
YPD83]. **Pipelines** [MBV15, TM05, PGB12,
SCP+06, SC02, SRA+04]. **Pipelining**
[AB92, Ano89, Cla87, LLD+17, MIT89,
CS99, DET00, GHW90, KK08, KS86,
LSFK08, NK01, SF03]. **PipeRench**
[GSM99]. **pipes** [LMS+13]. **PIPP**
[XL09]. **Piranha** [BGM+00]. **Pitfalls** [KBB+82].

**Pitfall** [KBB+82]. **Place**
[Pla76]. **Platform**
[EL94, PL04]. **Places** [PLZ09]. **Planar**
[CK92]. **Planar-adaptive** [CK92]. **plane**
[KSE18, LHH88]. **Plasticine**
[PZK+17]. **Platform**
[WSC+14, CLC12, CAD09, CKC11, FBF+00,
MK11, PWA13, SBS13, WCW+04, YMN1].
**Platforms** [SLTC16, BCDL07, BS08,
LSFK08, MBBS13, SMB10, SMB07].

**plausible** [YM11]. **Player** [LYM16].
**PLUS** [BR90]. **PMS** [KB76, KB76].

**Pocket** [KLS+11]. **PocketWeb** [LHS+12].
**Point** [DHN16, Ste80, YXR06, BDAPT10,
Bra72, DAI90, E190, EST89, GSS12a,
GLVC13, JBW89, LKB91, LGM+14, PB80,
RF90, RHS96, RIS76, SC92, SIT73, THEK16,
Wil95, dDIS13. **Point-in-time** [YXR06]. **point-to-point** [EST89, RHS96]. **point** [Eij90]. **Pointer** [Wil91, CFRS99, DS06, KKN00, RS99, Sez96]. **pointers** [SH91]. **points** [DB07, SLP+09].

**Policies** [SSZR05, BSF+91, DG92, FRB01, Jou93, LBCG95, QJP+07, SG83, SKD+10, WS07]. **Policy** [YGST17, LKO+14, LLC+14]. **Polling** [MGH+96]. **Poly** [HNS77]. **Poly-Processor** [HNS77]. **poly cyclic** [MSAD91]. **polyhedra** [BVGL00]. **PolyMage** [MVB15]. **Polymorphic** [KDOA08, SMB10]. **polymorphous** [SNL+03]. **polynomial** [AA11b]. **PolyPath** [KPG98]. **Polyvalent** [LCL+15]. **pool** [ZR05]. **Port** [BTRS05, SWC+95, WOR96]. **port/three** [AA29]. **portability** [VC72]. **Portable** [PARA13, CYH+11, HSW+11, Kep91, LYBK11, NLP14]. **Portend** [KZC12]. **POSC** [SC90]. **Position** [FRK+15]. **Position-based** [FRK+15]. **Positional** [HRT03]. **Post** [LB17, SDH+14, Wit16]. **Post-compiler** [SDH+14]. **Post-ISA** [Wit16]. **Post-Silicon** [LB17]. **potential** [DG99, DZZ+14, GM90, PS88]. **potholes** [Coc96, Ebr96, Mas96, Ros96]. **power** [RRT+08, AA11a, BM01, BL17, CDY+17a, CDY+17b, FWB07, HTM+05, IM02, KSN07a, LFZE00, LW+16, MSB+11, MMNB07, OSF+15, ORS+04, PDL15, PMZ+10, RLIC06, RAM+04, SSD+13, TM05, TT08, TL11, XLZW15, YCR+17, ZH16, AV10, BSL08, BFQ+07, BM09a, BTM00, CBGM12, CGS09, CKS16, DMR+11, DGMB07, EKMO4, ECX+11, FKM+02, GDN+16, GW10, GPV04, GWSU12, GIS10, GSKF03, HCI+11, HK10, IMK+13, JYZ14, KDV11, KHM01, KM10, KMS+10, KFN02, KZA+12, LB06, LLW+06, LWLZ12, LPMZ11, LDK14, MLCW11, MGW09, MS07, MF76, MPM14, NS86, PMA+13, PIAS13, PEB+09, RRT+08, RWB09, RWA+16, SYH11, SRWB14, SBIS11, SMB09, SQP08, Tho03e, TS10, WMMW09, WRS13, WGS+14, WAC+10, Wil83b, WDQ+16, YCMR12, Yue81, ZCX+14, CMF+13, MBBS13]. **Power-Aware** [ORS+04, HSC+11]. **power-constrained** [GW10]. **power-efficient** [CGS09, KM10, KMS+10, SYH11, SQP08]. **power-performance** [SRWB14]. **POWER5** [BCG+08]. **PowerChief** [YCR+17]. **PowerChop** [LZC+16]. **powered** [GKL+13, LQL12]. **powerful** [HY85, Ulm97]. **PowerNap** [MGW09]. **PowerPC** [Az95, DNS95]. **pp** [Fer88, Par88a, Par90]. **PP4** [MS84]. **PRIME** [Fen84, ME78]. **Practical** [AK16, CWY+08, FXZ+17, Ful93, HM05, Hsib, Mad94b, MGT+17, MCC+06a, OKJ+13, ZJL17, KS91a, LM80, MHKT09, NSH+11]. **Pre** [PR05, KY02, Luk01, VSMF03, SRWB14]. **pre-computed** [VSMF03]. **Pre-Execution** [PR05, KY02, Luk01]. **Pre-RTL** [SRWB14]. **Precise** [Bak91, CYG+17, DS11, GA01, LCS+10b, QTSQ13, SP85b, SP98b, Smi98d, UH93, YBM+13, ZM+16]. **Precision** [MCGL17, DFQ17, BDP17, JPT14, MPPZ87, SY+14]. **Precomputation** [SLG+05, APD01, CWT+01, TS10]. **preconditioned** [Chr90]. **preconstruction** [JS00]. **predecryption** [RSP05]. **predicated** [ANHN95, ACM+98b, ASP+99, MMH+95]. **predication** [JMK+08, RSEW04, SGB00, TL10]. **predictability** [BS95, EPCP98, SS98, Zha01]. **predictable** [AJK+09]. **predicting** [HKM02, JM12]. **Prediction** [CYG+17, FSR+04, JKH+16, Jim05, SLG+05, ASK85, BWJ+90, BE03, CG94, CG95a, CRT99, CHP97, CTYP02, Che90, CPT08, CE98, DZ90, DI91, DH98, DB00, ECP96, FFW98, FRB01, GM98, GYCS96, GL98b, JTSE10, JSN98, KE91,
prediction-based [RRP06]. Predictive [YSCC16, IMC+06]. Predictor [BSMF08, Sez05, KSA03, LF99, SFK02, SCAP97]. Predictors [BBK08, BJR99, BM09a, Bur02, EG97, ECP96, EPCP98, JG97, MSU97, SLM96, SC01, YP93]. predilections [KBB82]. Preemption [PPM15, WLZJ17]. Preemptive [CYMT16, CW+17, SKS88, TGC+14].

Preface [Pen88, Ram88]. Prefetch [ELMP11, Skl92b, Skl92a, Jou90, Jou98a, Jou98b, KW13, Kro98a, Kro98b, VS92]. Prefetch-aware [ELMP11]. prefetcher [WL10]. prefetchers [LFF01]. Prefetching [Bha17, JG97, APD01, CKP91, CLS06, CB94a, CHV04, CWT+01, CJG02, DC09, FP91c, GGV90, GP95, JKM+13, Joh89, KST11, KS02a, KL91, LLCP94, RSEW04, RBV07, RPAS97, RS99, SGH97, SLT02, TE93, WBM+03, XT96, ZT95, ZRW05].


Problem [VC04, AB84, FAY83, GTL13, Sav85, SGRH93, WH97]. Problems [Lan90b, SKCY16, Deb89, Kog73, MS76, NLV86, NP90, RG91, WLY84]. procedure [AK00, Feu82, GC86, Lam82, OT73, PA88]. Procedures [AK81, OM94]. Proceedings [ACM80, IEE76, IEE77, IEE97, IEE81, IEE82, IE83, IE86, IE88, IE05, IE06, ACM89, ACM91, ACM95, ACM96, ACM98a, ACM00, ACM01, ACM02a, ACM04, IE90, IE92, IE94, IE99, IE03, JDL81, LS73, ACM97, IE84, IE85, IE87].

Process [Feu84, FG91, KSCK17, BK11, Dev93, FH76, GS80, Hic76, Mus96b, RBOS07, TST07, WW12, YXM12]. process-dependent [Dev93]. processes [Ger81, GLVC13, vdSS79]. Processing [DHR+15, GAR+05, GSL17, HCJC06, JYP+15, KPS+16a, Mar73, MEB15, MV815, MKP05, VTGH17, WCX17, AJ77, ATHM86, AAZ89, BMP04a, BLS99, BNA88, Bra77, BC04, CL09, CLX+16, CD77, CLS13, DIY86, ED83, FBF+00, Fur05, Gal83, GK78, Geh14, GRR84, GYB+16, Hak85, HC85, HEK+16, HD86, ICT85, IHM89, KS02b, La95, Lor90, LS77, MAL01, NS74].
MS13b, Miy85, Nae85, Nit89, Qui79, RCL73, RL74a, RBG+01, RAJ99, RAJ00, Rui90, Sav85, SSDK84, SKC+03, Tan83, Tho12a, VF85, Waj92, WE74, WSC92, WSM+09, WJ85, WLP+14, YY92, Zak73, Zak77, Par88a]. processing-in-memory [CLX+16].

**Processor**

[AK81, BK91, BCG+08, CLF+17, CY06, EBS+04, GCJ17, HCC+06, HSKS15, HNS77, KS04, KD92, KTG+17, KAO+05, ORS+04, Rui86, SKJ+17, SD17, SOSD05, Tan78, ZSG+17, ABY+87, AB92, AS91a, ALKK90, AR80, And73, AFNV90, AIK+05, Arm74, APX12, Ásm93, AM7, Aßm93, AML+10, BDA01, BA82, CO82, CL94, CCE+09, CYL99, CT90, Cla87, CS80b, CGL89, DCC+87, DCC+98, DM74, DM98, Den98, EKM04, EC84, EC98a, EC98b, EE10b, FP91b, FTP94, FRB01, FK83, FD88, FH76, FG83, FR87, FKT+89, Gai83, GKF84, GLM13, GSS12a, GM82, GSM+99, Gol84, GRR+84, Goo83, Goo98a, Goo98b, GDHH89, GKN80, HFH+91, HS85a, HKK80, HPH+91, HS01, HKN+92, HY85, HJJ90, Hug82, JB82, JMY89, JLZ09, JW82, JSL95, Kan74, Kap87].

**Processor-memory**

[Goo83, Goo98a, Goo98b, LHL+89].

**Processor-side** [GLM13].

**Processor-cache** [FTP94].

**Processors**

[AW04, AWS16, CDY+17a, CDY+17b, CBC+05, GAR+05, Lan90b, Loh08, NZO+05, SLFG06, ARJS07, APR89, AS96, BT13, BDA03, BJ03, BT77, CMC+91, CMC+98, CW02, CHZ+14, CMLV04, DB07, EKEL01, ER92, EE09, EST89, FCJV97, Fis84, Fis86, FM84, GJT+11, GAG+08, GSS12b, GM90, GKS+03, GRD+87, GCTR+08, Gu+89, HTA08, Hay77, HS13, HKLS00, HR09, HYHD95, HMMS96, HRT03, IT93, IM02, KST11, KS07, KKC+16a, Kog77, KDBA78, KSA03, KP03, LYS07, LH92, LWLZ12, LBE+98, LKG+12, Luk01, MMH+95, MT84, MS87, MA06, MPT+12, MM87, MA14, NH97, NLV86, OWCL90, PJ+97, PS12, PA73, PVF+03, PS88, PS94, QD99, RCM+12, RPASA97, RAJ99, RYF+13, RS84, RA90, Rym82, SJ88, SNN99, SC01, SVC03, SP85b, SS85, SP98b, Smi98d, SZ88, SV87].

**Processes**

[SF91, SBV95, SV98, SBV98, Soh98b, Soh98a, SPA+98, SD94, SD09, SPR00, Su07, TS90a, Tho03c, TH76, VBS05, Wei89, YLHL10, YLT06, Yue81, ZYL+05, ZBF10, Lan90b, McG78, Mil77b, Vra78].

**Procrastination** [PG16].

**Procrastination-Based** [PG16].

**Producing** [MDHS09].

**Production**

[ACJL13, ZJL17, uAM16, AJL14, LL88].

**Production-run** [ACJL13, uAM16, AJL14].

**Productivity** [Wit16].

**Products** [Ful91a].

**Profile** [MSS+03, Aic92, BP04].

**Profile-driven** [BP04].

**Profiler** [PKM17].

**Profiling**

[Far05, OFS+15, PKM17, SOD+14, CL87, DG99, DB00, HC04, JK13, LJK+13, MTG+99, ON12, SBS01, SCH+91b, TL11, WH07].

**Program** [Ano04d, Ano05e].
programmability [LAB+11].
Programmable [CLF+17, CTHV+15, KLKM17, MSS15, ATV+07, BI12, CLR03, FKMD83, FL76, GP76, KKC+16b, KW11, LLZ+13, NMS+00, SYH11, SSAC13, WDA08, WL10].
programmed [PPA13].
Programmer [Wit16, HEK+16].
programmer-transparent [HEK+16].
Programming [ABD+15, AWS16, CKMWH16, EMZ+16, HCD+94, HCW+04, Hil91, KMC02, LL16, SGM15, 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, KDSO12, KJJ+09, LCWM08, MSS14a, Mad94a, McK74, NYNT12, RG91, Rui86, SKC+12, SKS+92, Sch73a, ST08, Van81, WWW+88, Win80, Wir87, Ben82].
Programs [BS06, NP17, RSA+15, SLFP16, AZ9, AL91, AS92b, BM91, Bi84, BMP+04b, BNS11, CBK+14, CO82, CO03, CA88, DESE13, EK88, EK89a, FKBS11, Far05, GTA06, Han78, KL94, KP05, LM76, LC13, LFH03, MS87, PDP+13, QM91, RRV09, RG02, SDWF13, SLTB06, SGS+93, ST87, TBC94, UT83, UC94, VJM99, WOT+95, Bia89, Sch91a, Whi78].
progress [Mil87, Pat87].
project [ABM87, CSM77, HLW94, Kat89, KGM87, Mo83, Muk97, HMT86, Ste81].
Projection [Ant91, SSK+07].
projects [Dre94, SMRT85].
Prolog [ABY+87, ALE90, BCDN87, CMPZ87, DF92, DDP85, FD87, HSC+90, MYB89, NKH+85, SP89, Tic88, TSN+86, WW89].
Prolog/Lisp [TSN+86].
Promotion [OCY+15, PEP98, ROKB95, XL09].
promotion/insertion [XL09].
Proponent [YMM15].
Propagating [VPS01].
propagation [LS82, LRS+08].
Properties [ZSG+17, BW88, BW98a, BW98b, CZS+16].
property [HT10, Rse82].
Prophet [FSR+04, CYG+17].
Prophet/Critic [FSR+04].
promotion/insertion [XL09].
Prone [YMM15].
Propagating [VPS01].
proportionality [LCG+14].
proposal [BP04, Sit73, TT82].
proposals [Mat78].
proposed [Ste80, Tur79].
proprietary [VE08].
ProRace [ZJL17].
Protect [CLR05].
Protected [Feu82, MAD11, MSS14b].
Protecting [LS82, LRS+08].
Protection [AYQ+16, BNZ08, MMT16, McD82b, ZH17, Ber80, CGL+08, FSC76, HS10, HDS10, Hug82, Jon82, KOAGP12, KSLE16, LLZ+13, SLLG05, SCP+06, WJGA12, Wil82, WCA02, YE09].
ProteusTM [DDK+16].
prototypes [DBL80].
Prototyping [ABC+94, BK14, DRCO05, PWA13, PDP+13].
Protozoa [ZSKD13].
provable [TOL+11].
Provably [WGO+13].
Providing [CME+12, Gra84, YXR06, HMMS96, KD06].
provisioned [GWSU12].
Provisioning [DK16, FB07, PMZ+10, YKD01].
Prudent [PG16].
Pruning [YLP+17, BM09b].
pseudo-partitioning [XL09].

Pseudo-randomly [Rau91]. PSI [TNNI87].

Publications
[Ful91a, Tan78, Tho09a, Sta81]. Publisher [Ano08e]. Publishers
[All92, Bit89, Fer88, McDB88, Par88a].

Publishing [Fos93a, Mad94b]. PuDianNao [LCL+15]. pump [JZY14]. purpose
[CT74, FR89, FK80, FTG88, GCTR08, HQW+10, HTCU10, HSC+90, KS84a, MK84, Mar74, NK86, Now87, RAJ99, SDD+07, SYP+14, Ste77, SCA01, TPO06, Woo14]. Puzzling [Jon83]. PVT [YLHL10]. pyramidal [Tan83]. Python [Tab10].

Q100 [WLP+14]. QA [TSN+86]. QA-2 [TSN+86]. QOLB [KBG97]. QoS
[CYMT16, CYG+17, DK13, DK14, EO98, GKD+13, KS14, TMW+13, YBM13, YKD01, ZE16]. QoS-aware [DK13, DK14]. Quad [KPI+98]. Qualitatively [Laf03]. Quality [LNA08, PAM+16, RSA+15, WYM+17, KK84, MYP+16].

Quality-of-Service [LNA08].

Quantification [KF79]. quantifying [RLCV10]. quantile [dOFD+13]. Quantum
[BKSO05, HPJ+15, IPWK06, IWPK08, KSO05, KBD+13, TMC+06, VNM06, CLM07, OCCK03, SV06, TGP10]. Quasar [DK14]. qubits [CLM07]. Queensland [IEE92]. query [GKF84]. question [Lip76, MHP12]. questions [Smi75b].

Queue [BC02, PCC+08, Hic76, HK89b, PN77, PH85, RBR02, SKD+10, TF88].

Queueing [JKW12, BC09b, KC96]. queues [LS77, PP88, PHG+87, SRE+07]. Queueing [Nik09]. Quick [Hig90, WHM02]. QuickRec
[PDP+13]. QuickSAN [CS13a]. quite [SL93].

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

R256 [FKT+89]. Race [HH08, LHH91, MSS14a, ZLJ16, ZLJ17, AHK08, GMF+11, HHB+14, HHS13, KCZ12, MSQTO9, VAV10, WDC+13, XHB06, DWS+12]. Race-free
[LHH91]. race-freeness [AHK08]. races [AHMN91, KZC12, LCS+10b, PT03, VAV10, WCG14]. Radio
[LIW+06, NNI16, Wak81, Ebe02, NNS12, SBS13]. RADISH
[DWS+12]. Radix [GS12, KDTG05, SAKD06, BDJ+11, KDA07, OCBL12].

Radix-2 [GS12, OCB12]. RAID
[ABC97, BBBM94, CLW93, CJK99, DSH+94, MC93, Tho13a]. RAID-II
[DSH+94]. RAID5 [Tho12a]. TD14]. RAIDR [LJVM12]. RAIDs [BSADAO4].


RAMs [Mat92]. Random
[SOSD05, KMA+12, OSI89, WZL+16]. randomization [KS91a]. randomized
[BKMN10, SWL10]. randomly [Rau91]. randomness [PBC+13]. range
[CWT+01, HIi88]. SIG89]. ranking [CGT+14]. Rapid
[ABC+94, DFL05, DS11, EW16, SBS01, CKA09, PWA13, AWS16].

RapidMRC [TASS09]. RASE [DFL05].

Rate
[HTM15, WEMR04, AP93, AHK00, Alb98, Kog73, SDO9, TASS09]. rates
[CMPM95, LC+14, NKQ13, Quo94]. ratio
[JVF13, ZPS+04]. ratios
[Hai84a, Hai84b, Lun75, YCT05]. RAs
[SAA17]. Raw [TLM+04, BLAA99]. ray
[RGD09, BSADAD04]. rays [HSS12]. RC
[CBK+14, GFV99]. RCDC [DNB+11].

RCQ [KC96]. RCU [CKZ12]. Re
[BSK+10, Hea84, Rot05, DSBK04, JTE10]. Re-architecting
[BSK+10]. Re-evaluation
[Hea84]. Re-Execution
[Rot05, DSBK04]. re-reference [JTE10]. Reach
[PKM17, SSC98]. Reactive
[FW97, TMW+13, HFFA09]. Read
[HSBA16, AZK06, Hic77a, Joh91, WSM96]. read-only-memory
[Hic77a]. readable
[Miy85]. reading [Smi75b]. Readings
[HJS00]. Real
[SBM09, WL+14, ABR01, ASP+03, Aup80, BJL+13, CLC12, CTW+13].
CJZ99, DI90, DP76, DPB77, ELN89, FF73, GH76, Jen74, KTMY91, LYBC88, LPSZ08, Mar82, MDSO11, MAL01, NMS+00, NDZ10, PQC+09, RHS96, Rid87, Roo89, SA88a, SA91, SKS88, TRA91, Thu76, WBL89, YM11, YFPR07, YHZX14. real-time [ABR01, ASP+03, CLC12, CTW+13, CJZ99, DP76, DPB77, ELN89, FF73, GH76, Jen74, LYBC88, NMS+00, PQC+09, RHS96, Rid87, Roo89, SA88a, SA91, SKS88, TRA91, Thu76, YM11, YFPR07]. Real-world [WLG+14, BJL+13, YHZX14]. Reality [Wit16, KTO+12]. realization [PSP+12]. Realizing [MKU03]. really [CHG06, NP95]. realtime [OUY+13]. REAPER [PKM17]. Rearrangeability [VR87]. rearranging [KT91]. Reassignment [WM16]. rebirth [Tem10]. Rebound [AGT11]. ReBudget [WM16]. Rebuild [Tho12a]. receive [KD06]. Recency [SDS00]. Recency-based [SDS00]. recentralization [Lor90]. Reclamation [PG16, Kum87]. recoding [OCBL12]. Recognition [AWS16, KOA05, AB86, CFS82, KKM86, LNEH11]. recommendations [MPP+08]. reconcile [SAR99]. reconfigurability [PPR09]. Reconfigurable [ABZ07, BCSB11, Goh14, KG16, LLD+17, NY14, OUY+13, PZK+17, RAJ00, THMN14, WSC+14, dClK15, BCDL07, BBJ+08, BSD87, CLC12, DSH+10, FD88, FHM+11, GDN+16, GFP13, HBII13, JB82, KTO+15, KDP+16, KW11, MPJ+00, MFS88, NSMK11, NMS+12, NUY12, OIA+13, PCL10, PM11, PEB+09, PCC+14, SBS13, SSDK84, SSAC13, Sur07, TS10, TTT10, TBL12, WW12, YMB00]. reconfiguration [GKN80, MK11]. Reconstructing [KGT+17]. reconstruction [Yok94]. Record [HGT+17, HDT+13, HT14b, HT14a, PDP+13, QS014]. record-replay [HDT+13]. Record/Replay [MGT+17]. recorder [XBC89]. Recording [HH08, MCT08, NPC05, NPC06, GSS05, VAV10, XB06]. recoverable [LAK09]. recoveries [ISG07]. Recovery [LAK09, SZBP08, VTM07, YXR06, AP95, Con88, GSVP03, PZT02, SMH02, UVG14, VPC02, ZdKL+13, dKNS10]. rectangular [JMS8, OML83, PB82]. recurrence [Kog73]. recurrent [Qui84]. Recursion [FRK+15]. Recursive [SSK17, AA86, IH08, TH82]. recursively [Har86]. ReCycle [TST07]. redesign [CHV04]. RedEye [LHG+16]. REDSPY [WCL17]. Reduce [JH+16, PV04, WE04, BSL08, Goo83, Goo98a, Goo98b, KHM01, KPH06, PM92, PBC+13, PV03, SC05, Wei89, YLH10, YCT05]. Reduced [CS80a, LH86a, MS15, HJ87, HL85, PD80, PS98b, Sta86, XT96, PS98a]. Reducing [BHS12, DW90, HHe+15, Har91, HASA14, HS06, KT91, LLCP94, LLY+00, MH68, MW98, ROK95, SSR+13, WAC+10, Zha06, AP93, DM87, FP91a, FPF+92, FKM+02, GHG+91, HCC89, KD06, KIM+07, LW95, LAS85, LCF+14, PSB13, SDH+14, ST03, SC01, VSC+10, WSY95]. Reduction [ANM08, Ber74, Hoo77, BT13, BM01, CCC+88, Con88, HBHA02, Hom82, HRT03, LN07, MKG98, PT83, SFS04, TK07, TH86, Tra85, TM08, TS10, WR84, XB06, YL16]. Redundancy [PS04, SZBP08, PJ07a]. Redundant [ZH17, APX14, Che87, MKR02, PSG06, PR82, RRP06, SGH93, WLW+14]. ReEnact [PT03]. reentrant [Com90b]. REF [ZL14]. Reference [Hol89, Lof74, MCXS16, BHS12, FKC+06, GS07, JTSE10, JMO9, JNMW97, Kec79b, MF05, SA92, WK89, Yue84]. reference-counting-based [JMP09]. references [Ger80]. referencing [HD77, MD88]. refinement [AL12]. refinements [CGBG88]. ReFlex [KLK17, LWL12]. Refresh [KSC17, LPMZ11, Mat92, MHHK+13, SWL10, LJVM12]. Refresh-Aware
Regaining [Laf00].

Region [LS12a, SBZ+15, ADT13, WBM+03, WW13, WCF01]. region-level [WCF01].

regions [Bre10]. RegionScout [Mos05].

Register [BS04, Cha96, DeM96, GCO+04, KMC+93, LMG04, QMT89, WW93, AAZ89, BS73, BYG+00, BEH91a, BEH91b, CCV+09, CGVT00, EP87, EP88, FP91a, HKT93, HS85b, HL85, ISGS07, JSL+13, Klu76, LcC92, LH86a, MSAD91, QM91, Req83, TA03, TS99, WS90, kSYHX+11, Yue84].


Register [BLI17]. Reinforcement [IMMC08, SLTC16]. Reinhold [McG78, Vra78]. related [EGK+85, Smi86, YERJ99]. relating [Bur82, RHZC74]. relational [BH78, BLL+83, Cha78a, GKF84, KMF+85, MKN+83, YS6, SS78].

Relationship [SOM+08]. relative [Bet73]. Relax [dKNS10]. Relaxed [SAA17, DNB+11, HT14a, NCLJ09, QSQ14]. relaxed-consistency [HT14a, QSQ14].

RelaxFault [KE16]. RelaxReplay [HT14a]. relayout [MTN+00]. release [DKCZ93, KCZ92, Waj92]. Releasing [SDR11]. Reliability [KGGC17, SKB09, SABR04, SABR05, WGA+08, CZ14, DP12, FGM10, HS10, LNBZ08, NSQ16, Ng94, OL02, PGB12, RKM+11, SMB02, Tri80, UMB+12, WMP07, WCS09].

Reliability-Aware [SABR04]. Reliable [WJZY15, ZYMS15, BVR+00, ICN+10, JZYZ14, KSLE16, MG91, NRS+07, SYL13, YK05, Yok94]. reloaded [SRB+07].


Removal [SHP+16]. Removing [PGRT01]. Renaissance [GA79]. Rename [PSR05, GL11]. Rename-Based [PSR05].

ewable [GKL+13, LQ12]. RENO [PSR05]. Reordering [AM06, RACAK17, BCG99]. repair [BRM10, HP87, KE16, SDWF13].

Replacement [QTP05, QLMP06, YGST17, Dev90, DG92, DSN07, JL16, JTSE10, JNas+12, Kha95b, Kha97a, Kaa97c, McF92, PK94, SG83].

Replay [HT14b, MGT+17, NPC05, BRM10, CHCW10, EHA03, HR09, HDT+13, HT14a, LWV+10, MHKT09, PDP+13, QSQ14, VLW+11, VNN13, XBH03]. Replaying [MCT08]. Replica [MK84]. replicated [EST89, ICN+10]. Replication [CPV05, ZA05, AZ05, AKZ06, HFFA09, SHV+98]. replication/migration [SHV+98]. Reply [Goo88b, SM77, Wnt06]. Report [ABC+94, Mud96, Dic80, Gas88, Mar88, Mil87, Pat87, RVLS14, Ste80, Irw86].

reporting [CCM08]. repository [KBS84].

Representation [Ch89, HS16, Tho76, HS74, SDP85]. reproduction [WZJ10]. ReQoS [TMW+13]. Request [EAS+17, She10, LG04, SZD+08]. requests [SJ88, TLD14]. required [JH94].

Requirements [CDY+17b, Bra77, Cra79, CA88, CHKM93, Joh82, Kun87, Kun86, LFH03, OC78].

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

Research [BMF+16, HLL+93, Hill13, Kin83, Par90, Pat06, CHJ83, Dal10, DCS+14, Est02, FKT+89, Rec80, SzUK+04, Tho09a,
Resilient [SLSO13, HC99, LRS+08]. Resistant [TML+09, VCK+12]. Resilient [GIS10, ICN+10, SLSB10, ZNF+16]. resolution [BYG+00]. Resolved [Woo14, KMT91]. resolver [Lee85a]. Resonant [PV04]. Resource [CY06, CA88, DK16, OML83, PPM17, PB82, RL17, SFM17, WM16, BM09a, CMLV04, DK14, ELP01, FJB85, GST74, GKZ+07, HCD+94, JB76, PAVT16, Rey82, RE13, SHV12, Tak87, TMV+11, TA76, TF01, VNM+12]. Resource-Efficient [DK16, DK14]. Resources [KGS16, LSB15, Mat10, BDA01, JDL81, MPH12, Mat90]. Resourcing [MSS+15]. Resourcing-on-Demand [MSS+15]. Respec [LWV+10]. Response [VFHD97, AV10, Lee85a, SM89]. responsive [HSC+11]. Responsiveness [YCR+17, CMB+13]. restartable [PGH+87]. restoration [Sta89]. restoring [BH91, HP86, HP98, mWHP98, SEI+95]. restructurable [AP76]. Results [Mud96, RSA+15, CMPZ76, FSC76, GP76, ISKR86, Kh76, MBL+89, PP88, SzUK+04, WG89b, WH07, Wis86]. RETCON [BRM10]. Retention [PKM17, LJK+13, LJVM12]. Retention-Aware [LJM12]. Rethinking [PBWH+11, RGSJ17, UMC+10, MDS12a, ZCX+14]. retrieval [AR80, ERT78, GSR93, Lee85a, Rob78, WW89]. retrofitting [CGL+08]. Retrospective [AH98a, Aga98, BW98b, Bat98a, BS98a, BLA+98b, DCF+98, Den98, DP50, DP98b, DP08a, DS98, EC98b, Fis98a, Gha98, Goo98a, Got98, GL98c, Hen98, mWHP98, mWH98, Jou98b, Kro98b, Kus98, LL98, Lip98, N98, PC98a, Pat98b, Pat98a, PS98a, Pie98, RLW98a, SP98a, Smi98c, Smi98d, Smi98b, Soh98b, Soh98a, TEL98a, VYK+98, YP98b, vECSG98, Pie83]. return [CLR05, YK05]. returns [KE91]. reuse [ATT+13, CHCmWH00, KOAGP12, NAAL01, RKM+11, SS97, WCF01, WZY13]. Reverse [LSB15, Som94]. Review [Alv93, Atk79, Ben82, Bit89, Buc78, Chr77, Fer88, Fos93a, Full93, Gor83, Hol83, Lan76, Mad94a, Mad94b, McG78, Mil77a, Mud80, Ram78, Ros73, Sac83, Tab96, Tan78, Vra78, Whi78, All92, Ant91, Ber91b, Ber91a, Ber91c, Bow79, Cha92, Col88, Col90, Dirk90, Fos72a, Ful91b, Ful91a, Gon77, Hil91, Iva91, Kri91, Lan90a, Lan90b, Lev92, McD88, Mil77b, Par88a, Par90, Sch88, Sch91a, Smo89, St74, Tak88, Wak81]. Reviewers [Ano04e, Ano05f, Ano06d, Ano08f]. Reviews [Fos93b, Lan93, Mil77a, Ben82, Bit89, Chr77, Hol83, Lan76, Mud80, Sac83, ACM93b, Vra78, Whi78]. revisionist [PT91]. Revisit [WQL92]. Revisiting [AJH12, WWC+14]. Revivable [SLFG06]. ReVIVaL [LWB08]. ReVive [PZT02]. reviving [ADS+13]. revolution [KWF08]. Revolutions [Emm06, ECX+11]. rewriting [HR07]. REYSM [NS86]. RFID [RF11]. RFID-scale [RF11]. Rhythm [APP+14]. Rice [PRA97]. Richard [Fu91a]. RID [MCXS16]. Rigel [KJJ+09]. rigorous [WWFH03]. Ring [MABY15, SST06, BD93a, Mic92, SGGV92]. ring-based [BD93a]. ring-connected [Mic92]. rIOMMU [MABY15]. RISC [HO91, AAZ89, Aflm93, BZ87, BC91, Bha97, BEH91a, BSHU87, CO82, CHJ83, Con89, Deb89, Dow87, Dow88a, Dow88b, DFT86, ELN89, ER92, EE93, FCP92, Gis98, Hea84, HL85, HDP+90, Jon88c, Kie87, Lar82, Mil87, PPMPM96, PP82, PP8, GPH+98, Pat84, PS98b, PS98a, PH90, Sho87, SEI+95, Ste88, UBF+84, Wil83a, WWC+14, Yue99b]. RISC-based [FCP92, HDP+90]. RISC-like [AAZ89, Wil83a]. RISC/CISC [CHJ83]. RISCs [BCD87, BEH91b, Jon88b].
SCU+14, SBK77, TQC+15, BTS+11, CY96, FAK+12, FY82, GKL83, GW88, GWV89, Ham09, HSH96, HIM*05, JK09, Joh92, KBC+00, LAS85, LCG*14, MPT91, Mar00, MT13, MBK90, NNS*90, NP90, OT86, OLJ+14, PCC*14, RSF11, RSG93, SPHC02, Smi14, SB77, TMW+13, TD91, WHZ+17, YBMT13. **Scale-out** [LKGF*12, NDB+14, FAK+12]. **ScaleDeep** [VRB*17]. **Scaling** [DGT15, Emm06, JS99, KZT05, PTB16, RL17, RKB+09, EBS+11, ECX+11, Geh14, LDK14, MSS*03, MCD*08, NKQ13, NY14, PM11, SW16, WZY13]. **Scalpel** [YLP*17]. **Scan** [Fis86]. **scanning** [Lec74]. **scarce** [ZWM*14]. **SCC** [Wil88]. **schedule** [NAAL01]. **scheduled** [FCJV97, FM84, KMT91, NH97]. **scheduler** [BKM10, EHA03, JCS*14, SRB*07, WRSY16]. **schedulers** [NP11]. **Scheduling** [JSWB93, KSCK17, 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, IBC12, JW95, JNS*12, JDL81, JSMP12, JKN*13, JKM*13, JSAM10, KD92, KKJ*13, LSI2a, LJ90, LRHM90, MSAD91, MDR*00, MSSI4b, MSP*06, MiL82, MAL01, OA08, RDK*00, SYK10, STND*13, SBM09, SLH90, ST00, Tho11a, Won16, YERJ99, YKL*16, ZBF10]. **Scheme** [ES05, AJ77, AP95, AS14, BS87, BBBM94, CKA91, CHC10, CV88, HJ86, HL89, HS85a, Hic76, Kha97a, Kha97c, KKK76, Lap91, LS92, MPS89, MTS*99, MC91, PH88, TYS*94, TTM12, TY85, Wei89, Won90, VP89]. **schemes** [AAHV91, ASHH88, ASHH98, CB94a, GYCS96, Hen98, HCC89, LM76, MPT91, Rao84, RS84, SL92, VS92, YGS95]. **Schneck** [McD88]. **Schöfield** [Sch91a]. **Schur** [Chr90]. **SCHUSS** [GRRT84]. **SCI** [SGV92]. **Science** [Col90, DHR+90, KF79, Pau13, KRM83]. **scientific** [BNA88, Cha90, CHKM93, FKT*+89, LS96, SHNS86, YYX*+07]. **SCISM** [VB92]. **SCNN** [PRM*17]. **Scope** [OCY*15]. **SCORPIO** [DCS*14]. **Scrambled** [Lee88]. **Scripting** [CSGT17, KKK*17]. **SD** [WIJZY15]. **SDC** [UVG14]. **SDF** [OLJ*14]. **SDR** [WSC*14]. **SEA1** [Ful91a]. **Seamless** [FCP92]. **Search** [BTRS05, DGT15, MNS*14, MSH*15, SKCY16, CWD*06, RLVC010, SKA*11, SGS11, TYNM86, WLY84]. **Searching** [JPT14, BTW77, Cop78]. **Seattle** [IEE90]. **Second** [Smi91]. **Secondary** [Lord76, EE93, Lip77a, PK94]. **Secret** [DGT15]. **Secretary/Treasurer** [Irw86]. **Secrets** [LKM*05]. **section** [SMQP09, YL16]. **sections** [EE10a, HHS13, MBK90]. **sectored** [Sez94]. **Secure** [AMH*16, SW74, SLZD04, SOSD05, TLcC13, WBA17, YGST17, BA84, CS11b, HKD*13, Ino05, KFM05, ML05, NMI12, RYF*13, SL12, WGO*13, WWA01]. **securing** [LWH*16]. **Security** [Ber80, CWY*08, CHe05, CDG*17, DFKC17, FXZ*17, HSKS15, SWL10, SLG*05, YEP*06, ZWSM15, ZSG*17, CC05, DDK07, HS10, Ino05, Kar07, LK0*14, LNBZ08, MX*13, MK05, MM14a, NPCF08, PL06, TOL*11, VCK*12]. **Security-Critical** [HSKS15]. **security-modified** [MM14a]. **see** [AC09]. **segment** [BLs*76, Hea76, See89a, See89b]. **segment-sequential** [Hea76]. **Sego** [KDL*16]. **Seitz** [Par90]. **Selected** [Lei91, CH01]. **Selection** [CKmWH16, LM76, PR05, BGP*01, ME78]. **Selective** [CRT09, HC99, KPG08, LF00, RAM*04, ZH17, ACM20b, CV88, DSBK04, EHA03, GKTU99, PT10, ZNF*16]. **Selective-set-invalidation** [HC99]. **Self** [IMMC08, CS99, CTV*09, DGY89, LF00, LW95, NS80, Now87, PJD06, SLK05, SLP*09, DLSW76]. **self-healing**
serviceability [SBM02]. Services
[HH+EH15, JHK+16, KDL+16, MSS+15, MSB+11, PCC+14, SLK05]. Session
[NYNT12, Tsa16, DHR+90, HCD+94, IAD+94, SGG+85, SMRT+85]. Set
[BSK005, Blu83, CS80a, CBC+05, PS98a, TM14b, AZ89, AAD90, BD84, BEH91a, BA97, Bur82, CG95a, CKDK91, Cra83, DV87a, De 90, DS02, Fos72b, GH90, Gov73, GTR+13, HB86, HHL16, HC99, Joh89, KJLH89, KS02b, KMC+93, LDT+16, Man01b, Man01a, Mar83b, MHS+03, McD82a, PD80, PS98b, Sho87, SFS00, SK08, Sta86, SS82, TJS83, WQL92, Wie82, Wil88, HLL+93].
set-associative [WQL92].
set-associativity [KJLH89]. sets
[CE98, EPS7, GB74, HS85b, Mye77, NA83, RSG93, SM77, Wak80]. Setting
[UVG12]. severe [ZSL10]. SG1 [LX97]. SGX
[WBA17]. SH [AIK+05]. SH-X [AIK+05]. Shack [Wak81]. shader [APX14]. shaders
[WL10]. shadow [GHS16, SSC08]. shall
[Bak94]. Shallow [SKN+15]. shaping
[ZW16]. Shared [DK16, Irw10, Lass88, MRG12, MCT08, MM08, PPM15, WSH+05, ZE16, AGT11, Bay99, BCZ90, BLS99, BR90, BMP+04b, CHX+11, CA94, CG898, CFS+12, CMT00, CF93, CDK+94, DCO09, Di90, DKCZ93, DSN07, ELM91, EGK+85, FB08, Far05, FH88, FHH+89, GCN+10, GLL+90, GGH91, GGH92, GLL+98, Gha98, GGK+82, GGK+98, GS95, GNS89, Har91, HSH96, HJL89, HX97, ISL96, JBC76, KCC+92, KL94, K95, KHS+97, KAD+04, LIW95, eHLL89, LMRS92, LS92, MHS+03, MBK90, MGBK96, Nad88a, NPC06, NO94, Nik09, Nis91, OZK+12, PGSP00, PH88, PZT02, RPASA97, RLW94, RPW96, RLW98a, RLV98b, Rey82, SRJ+05, SHZ97, SWG92, SPA+98, SMH02, SK08, ST80, TBB+97, TD91, TA76, WIL87, WCF+93, XLO9, YPD83, YKA96, YN09, ZT95, ZBF10].
shared-bus [PH88]. shared-cache [NO94].
shared-medium [CHX+11].
Shared-Memory
[MCT08, BR90, CMT00, CDK+94, EGK+85, FH88, GLL+90, GGH91, GGH92, GLL+98, Gha98, GGK+82, GGK+98, GS95, GN89, HX97, LW95, eHLL89, LMRS92, MHS+03, MBK90, PZT02, RPASA97, SWG92, SPA+98, TBG+97, YN09, ZT95]. Sharing
[Mos05, WYM+17, EK88, EK89a, FH76, Hum96, KS14, KC74, LF99, LCM+09, SBS93, ST87, TMV+11, TE94, TtLC13, Wah83, ZL14, ZW14], sharing-based
[TE94]. SHARP [YGST17]. Sheaved
[Sta89]. SherLog [YMX+10], shift [Klu76]. Shoestring
[FGAM10], Shor
[WPK09]. Short
[HSBA16, KKC+16a, LCL+16, AJL14, CPT08, DCB+94, Gun89, HY85, OCCK03, Yue81]. Short-circuit
[KKC+16a], short-haul
[DCB+94]. Short-Lived
[LCL+16], short-term
[AJL14], short-wordlength
[Yue81]. shortcut
[KMA+12, CSGT17]. Should
[Wil88, Muk97, Woo14, dOFD16a].
Shredder
[AMH+16]. Shredding
[AMH+16], SHRIMP
[BLA+94, BAC+98, BLA+98b, BLA+98a, FAB+96]. shuffle
[BAES89, BSD87, Sov83, VR87]. shuffle/exchange
[Sov83]. shuffle/exchange
[VR87]. shuttle
[Sat74]. SI
[LCF+14], SI-TM
[LCF+14]. Side
[AN17, DMWS12, GSL17, YGAST17, Bra82b, GLM13, MDS12a, WL07, TMW+01]. Side-channel
[DMWS12, MDS12a]. Sidewinder
[LJdL+16]. SieveStore
[PT10]. SIGARCH
[Ano99, Ano06e, Bre72, Dic81, Pat91]. SIGMA
[Sez86, SHNS86]. SIGMA-1
[SHNS86]. Signal
[Kro83, BMP04a, GSS12a, GSS12b, GWM03, MS13b, Nit89, SKC+03, VFS5, WSM+09]. signature
[MSQT09], signature-based
[MSQT09]. signatures
[MMJ05, SZD+08, TACT08], significance
[Ros77b, SIT73]. significant
[Par95]. SigRace
[MSQT09]. silent
[HR09, LL02, AMH+16]. Silicon
[KMS+10, LB17, BSK+10, EBS+11, FGVG13, KMOA07]. Silicon-photonic
[KMS+10]. Silver
[IEE77]. SIMD
[BHBL87, BAES89, ED83, HWC91, KCE12, MT97, Par95, PSP+12, PJDLO6, RE13, Sie77, TNY11, VSW+13, YL84]. SIMDization
[HCW+10]. Simics
[Far05]. similar
[BC91, BFS+09]. similarity
[Bra77, SSJ+16]. SIMD
[MIT89]. simple
[AS+03, BDL07, DDS94, FKM+02, HW95, LCE01, RPSV07, ULM95]. SimplePower
[VKI+00]. SimpleScalar
[BA97, Man01b, Man01a]. simplifying
[LCS+10b]. SimPoint
[LSSG05]. SIMT
[KTs+13, WL17]. simulate
[MAF+09]. Simulated
[GKO+00]. Simulating
[KLK+17, RBO07]. Simulation
[DFL05, DBK+02, EBS+04, JKT05, JKT09, Kno73, KMK16, SCU+14, SKN+15, TKJ07, ALM82, BC90b, CLL01, CB89, DROC05, DSOF11, Fra86, Fra90, GKO+00, GPPT02, GCLM85, HVAN14, HRC+90, HB90, HGS+07, Kha95a, KIC+16, KEL91, KBR89, LSSG05, LMDN76, LSFK08, MS13a, MF05, Mel85, MSSZ76, Mou98, NK86, OCF00, PGSP00, RL76, Rey82, SK13, SDD+07, SL88, TYSS11, TBL12, Van81, WF87, WWFH03, YM11]. simulation-adapted
[GPPT02]. Simulations
[WN14, BKB90, CAD09, GP88, GPF13]. Simulator
[TQC+15, Ayz95, BBB+11, Cor89, FTM99, MSB+05, PRA97, SRWB14, TSB99, WGT+05, ZyG09]. simulators
[Sho87]. Simultaneous
[BCD12, CSK+99, CCE+09, TEL95, TEL98b, HKN+92, LBE+98, Luk01, RL74b, REL00, RM00, SW16, ST00, TSC99, TEP+96, VPC02, TEL98a]. Singh
[Ful91b]. Single
[BTRS05, BW+91, KTR+04, MIT89, SOSD05, VE14, WHZ+17, BGM+00, CS11a, CS80b, CSM+05, FDP94, GCLM85, Jhh04, Kuh80, KHC92, KKP14, LH86a, Lap90, Lap91, LSS04, MLC+09, MPS89,
MS10, SyYH+89, SP84, SHBS14, Tob80, VIA+05, VIF94, YZ07b, ZdKL+13.
single-bus [GCLM85, VIF94]. Single-Chip
[SOSD05, BGM+00, FTP94, SP84].
single-cycle [KKP14]. Single-graph
[VE14]. Single-ISA [KTR+04].
Single-machine [WHZ+17]. single-node
[LS04]. single-processor [MIT89].
single-stage [Kuh80]. single-term [CS11a].
single-thread [MLC+09]. single-threaded
[VIA+05, YZ07b, ZdKL+13].
single-window [LH86a]. Sinking
[CDG+17]. Sites [JPT14]. Sirius
[HLZ+15]. SISAL [SC90]. site [Dre94]. situ
[SNM+16]. Size
[Wil83b, BEH91a, DV87a, DL92, Gov07,
Hol89, NLV86, OCB12, Reg76, WS74].
size-independent [NLV86]. sized
[EKW80, FWB07, SM89]. Sizes
[CB17, KC07, Prz90, RSG03, TKHP92].
Sketch [TP15]. sketching
[SLTB+06]. Skewed
[BS95, CL89, HL86, Sez93]. skewed-associative
[Sez93]. skewing
[JW97]. skip [BCR10]. Slack
[EAS+17, CKS16, DMMD10, FBH02].
Slackened [GRH06]. SlackSim [CAD09].
Slavenburg [Goo88b]. sleep
[LDK14, MW12]. SleepScale [LDK14].
slice [PSG06, PC83, TDF90]. slice-based
[PSG06]. slicer [XJK+16]. slices
[HvD12, ZS90, ZS01]. slicing
[HRDA85, XJK+16]. SlicK
[PSG06]. Slipstream [SPR00]. slope [LSN14]. slots
[DeM96]. Slotted [SKB+17]. slow
[ZN+16]. SM [AYA83, ABKA85, XJK+16].
small
[CDS+14, DIY86, FaRP89, Fis84, Jor90,
Jor98a, Jou98b, RHZC74, SA87, SGH93].
small-footprint [CDS+14]. smallest
[Mas87]. Smalltalk [BSUH87, UB+84].
Smalltalk-80 [BSUH87]. Smart
[AN17, MPJ+00, FSS+09, LMS+13].
smartphones [LWLZ12, CZG+15].
SMARTS [WWFH03]. smashing
[YK05]. Smith [KDSO12]. SMP
[KPH+98, KKK+13, MNLS97]. SMP-based
[MNLS97]. SMPs [MSA+00]. SMS
[KKK76]. SMT [BMP04a, CY06, EE09,
EE10b, EE14, GPV04, VC04]. SMTp
[CH04]. SNAP [DM91]. SNAP-1 [DM91].
Snapshot [CPI17, LCF+14]. SNMP
[Mad94b]. SNMPv2 [Mad94b]. Snoop
[Mos05, BSL08]. Snoop-Based [Mos05].
Snooping [SST06, BDH+99, Dah95, EK89b,
MSA+00, VLZ88]. Snoops [SST06].
Snoopy [GH90, DCS+14]. SOAR
[UBF+84]. SOC
[MBS+04, BFP03, LMS+13]. Society
[Mud96, Ros76]. Sockets [Mad94a].
Socrates [Fos74]. SODA [LLW+06].
Soft [GM84, LABR08, WEMR04, FGAM10,
HC99, LYS07, Lip73, SGK+04, TSK13].
soft-error [SGK+04]. soft-error-resilient
[HC99]. SoftSig [TACT08]. Software
[AA86, AWV88, AYQ+95, BCF01, CA94,
CH04, CSB86, CHLS16, CDK07, Don76,
DH+15, DB00, Ful91b, HS15, KF02,
KS17, Lan90b, LLW+06, LHM+15,
MA06, TL10, TML+17, TBS17, WCL17,
ZH16, ZQ04, AA06, AAVH91, AC09,
ACJL13, AJL14, BCG99, BS08, BC90,
BRG09, CB00, Don83, Don85, Don92,
DKZ93, ELN89, FMB+07, GHWR90, GS95,
GMF+11, HR00, HJS+82, HDS10, HCC89,
IKK+07, Jag80, JH82, KF79, KC02,
KCZ92, KDA12, KDP02, KL91, Las89a,
LRS+08, Luk01, LSF08, LGM+14,
MWP07, MDD77, MCL93, MP91, MHKT09,
NUS+03, NRS+07, ND210, OIA+13, OAA09,
OL02, OLJ+14, OA09, PNN77, RES+13,
RK10+10, Ran85, RPAS09, Rat82, RM77,
RO74, SBS13, SCGA13, Sch73b, SDH+14].
software [SBS16, SLLG05, SSH+07, SLK05,
SLF+09, SH87, TML+10, TACT08, VPS01,
VC72, VKI+00, VBY+14, WBM+03,
WL07, WMY+05, YZP+11, dKNS10,
SoMethInG [Bat72, Fos72b]. Sons [Atk79, Ben82, Ber91a, Bow79, Fui93, Gor83, Mud80]. sorter [DSM82]. Sorting [MCK16, CT08, Gut87, HW95, SP85a]. SpecTLM [BCR11]. Spectrometer [NNIS16]. SpeculatIve [BS06, CTT06, CWY+08, CWT+01, CASM06, HSS94, LGM+14, MT02, PGV02, PGV05, RKM+10, RCK17, STS17, SJA+17, ANHN95, ACM02b, ACM+98b, BCR11, CCE+09, CMT00, DS06, LF99, LBCG95, LPH+09, MDS12b, OL02, PGR01, ZCSM02, ZS01]. speech [AB86]. Speed [Alv93, IWP08, TM05, AA11b, APR89, BVIR+00, CM80, CFW82, DSG11, Gun90, Gup89, GSKF03, HS85a, KW84, KMK16, LDK14, MTT89, NKH+85, PN88, SHMZ94, TDF90, TW77, TLL07, Tur79, uAM16, DWS+12]. Software-Based [AYQ+16, MA06, TL10]. Software-Controlled [BCG+08, CSB86, KFN02, KL91, Luk01]. Software-Defined [DHR+15, TBS17, OLJ+14]. software-exposed [TACT08]. Software-extended [CA94]. software-hardware [MHKT09]. software-managed [HR00, NUS+93]. software-only [GS95]. solid [CME+12, CS13a, DJ09, JWK12, JCS+14, PB80]. solid-state [DJ09]. solution [AB84, PP84, PP98, Pat89a, WH97]. solutions [Kog73]. solve [Deb89]. Solved [AOM+14, SKN+15, SKCY16, AL12]. solvers [GC11, vdhHS90]. Solving [AYA83, GSZ90, GLH88, Lan90b, ABKA85, DJ09, JWK12, JCS+14, PB80]. Some [BLs+76, EHA82, Joh82, Las90b, PP88, Sha80, Yue84, Das77, Deb89, Wis86]. Specialized [NS16, QHS+13, Rob78, Tho10b, Woo14]. specializing [MKGT16]. specific [BS08, CDY+17b, KS07, LS12b, MPSiV89, PP92, RYP06, SYH11, WBS+88]. specification [Cra83]. Specifying [BKL+16, BNS11, RLS10]. SPECS [HSKS15]. Specialization [NS16, QHS+13, Rob78, Tho10b, Woo14]. special-purpose [FK80, MK84, SDD+07]. specialization [OKJ+13]. specialize [CWS06]. Spatial [AYA83, WJZ15, ABKA85, GSZ90, IHM89, PRM+17, SW90]. Sparse [AYA83, WJZ15, ABKA85, GSZ90, IHM89, PRM+17, SW90]. Sparsity [LCCZ17]. Sparsity-Aware [LCCZ17]. Sparsity-aware [LCCZ17]. Spatial [BVC04, SWA+06, CS99, CES16, CM00, CCB+06, DBM+08, GB01, KW98, Mar00, MCC+06b]. spatial-lattice [Mar00]. spatially [MCS13, PPA+13]. spatially-programmed [PPA+13]. Spatio-temporal [SWAF09]. SPEAC [Mar74]. Speakers [Tsa16]. SPEC [AE01, CH01, CSW94, Cit03, CKDK91, CB94b, GPPT02, GS07, Hen06, Hen07b, Hen07d, Hen07c, KC07, MJF95, PJJ07a, PJJ07b, PH90, Spr07, We07, Won07, YRK07]. SPEC95 [PSTM99]. Special [KSN07a, ABZ07, FK80, FTG88, JKT05, JKT09, KC05, KS84a, MK84, Mar74, NK86, SDD+07, TKJ07, JWB93, JWB94, Pen88, Ram88]. SpaceJMP [EMZ+16]. Spaces [EMZ+16, SSK17, CKZ12, IMC+06, PHB14, Wi91]. Space [ACM98a]. spanning [HDP+10]. Space-efficient [FHM+11]. SpaceJMP [EMZ+16]. Spaces [EMZ+16, SSK17, CKZ12, IMC+06, PHB14, Wi91]. Space [ACM98a]. spanning [HDP+10]. Sparc64 [ST03]. SparcCenter [SG94]. sparing [MM92]. SPARK [SW90]. Sparse [AYA83, WJZ15, ABKA85, GSZ90, IHM89, PRM+17, SW90]. Sparsity [LCCZ17].
store-wait-free [WAFM07]. Stored
[SK86, GSU11, GWSU12]. stores
[GCG+14, LL02]. strands [CP11]. strata
[NPC06]. Strategies
[ANS+15, FP91b, NP90, BA82, GS95, KDJ83,
Prz90, RR77, Smi98b, Smi98e, VGS85].
strategy
[BEH91a, Dev93, ELN89, Wan93, dRBC93].
stratified [ATT+13, SBS01]. Stream
[ADK+04, DC09, HCC+06, NGAS17,
SKN+15, BYP+01, Dav80a, FKBS11, God13,
GTK+02, GTA06, HSW+11, LCC06, MTS98,
NRK50, PK94, RL74a, RGD09, SKC+03,
WS91, YXY+07]. Stream-Dataflow
[NGAS17]. stream/Multiple [MTS99].
streamed [SKS+13]. Streaming
[Mac98, SWA+06, VGY17, WSH+05,
BCDL07, BD91, GSM+99, HCW+10,
SYH11, SWAF09, VFMCM13, Waj92].
streaming-array [SYH11]. Streamlining
[APS95]. StreamRay [RGD09]. streams
[CDS03, CL09, GCTR08, ZFC03, TLM+04].
Streamware [GCTR08]. strength
[AWC+11]. STREX [ATT+13]. strict
[KS14, TOL+11]. stride [ZFC03]. strides
[VL+92]. strike [HSS12]. String
[Cop78, TS05, ACF05, TYNM86, Vin77].
striped [CP90, KDS12]. stripping
[DS89, HAS14]. 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, KBK02, KTS+13,
MSH82, Mat78, Now87, PNB83, TTT82].
Structured
[Ano81, Bou75, PT83, Ram78, CFS+12,
Hil83, Kan74, KB80, KK76, Lafa95, LM74,
Lof74, SA86, Ter87, Van81, VHL73, WR84].
Structures [BRC+05, CSBA17a, DGT15,
All76, BS76, BS08b, DG92, FW82, Gau85,
HM93, Hom82, Klh76, Lec74, RS99, SK86,
SDP85, SPS07, Iva91, 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, CBJ92,
CB94a, CY96, Con88, CDK+94, DCW+11,
DI90, FTP94, FAK+12, GTSS13, KS0a,
KW13, KDK+14, KM74, KDL+93, KDL+98,
KBD+13, LZ93, LJK+13, LPSZ08, MSB+02,
RB89, RB90, Red92, SL88, SG94, SG83,
Smi98b, Smi98e, TNY11, TA76, UC94,
VSH91, Wah83, WS87, Wie82, ZB92].
Studying [WZY13]. style
[Al83, CL07, 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
[VB805]. subordinate [CSK+99, CTY02].
Subroutine [WH07, KE91]. subscript
[KPK90]. Subsetting [PJ07b].
substitution [Hom82, LH88]. substrate
[DRCO05, ELMP10]. subsume [Nik89].
subsistem [ACK94, BBH94, CPDM+96,
Dug83, SHMZ94, TMV+11]. sub-systems
[Jar80, Kat89, Yom92]. Subthreshold
[NZO+05]. Subthreshold-Voltage
[NZO+05]. Suggested [Gil80]. suitable
[Roe85, SP84]. Suite
[ZZBL16, BO01, Hen07c, Joh04, PJJ07a,
PJJ07b, PL06, YLT06]. Suites
[LWPG17, Pon91]. sum [LLC98].
sum-addressed [LLC98]. Summary
[HH88, HK77, Kav81]. Summer [DK17].
Super [CCE+09, KKK92]. Super
[WJZY15, FB92, ST03]. super-scalar
[FB92]. Supercomputer [Che90, CKPK90,
McD88, ASK85, BDW85, DR91, NBKP95].
Supercomputer-based [Che90].
supercomputers [HS93, KS86, SL92, VSM+97a, VSM+97b, WSS4, WS87].

Supercomputing
[GBH94, Hey90, NKS+90, VF+94].

superimposed [AR80].

Superoptimization
[TP90, VCK].

Superpotizer [Mas87].

Superoptimizers [BA06].

Superpage [ROKB95].

Supernodes [SSC98].

Supерpipelined [Jou88, JW89, SD94].

Superscalar
[Jou88, KS04, CYL99, CWS+11, DSF+90, HKL00, IT93, JW89, JSL95, KS07, KMT91, LC92, Lai92, LKB91, NNN+91, OWCL90, PJS97, SNN99, SLH90, SF91, Suf07, TA03, UH93, VM97, WOR96].

Supplant [Woo14].

Syntactic [Tho12a].

Support
[ADP+15, CRW+15, CS+17, DHR+15, GSI71, HFL03, Hic17, JPL08, KKK+17, LER+17, Ott15, Ram88, SD09, SA15, WYM+17, ZQL+04, AR83, ADT13, AA82, ALE90, BCL82, BLS99, BFR78, BDO4, BMA00, BCD89, CMF+13, CL90, CL87, CS99, C14, CFS+12, C1Y96, CMT00, CHChmWH00, CSS+91, CR94, DF92, DHB89, DBM08, DMB87b, ESCB12, FSC76, FH76, GSR93, Gra84, GKB+13, HTCU10, HMM93, Hill83, HH93, HHM89, JDL81, J0h82, KC95, KFM05, KM86, KNS95, KH07, LeC74, LCS10a, MJW11, MS08, MWP97, MHH+95, MH07, MCD77, MW12, MDS12b, MTTG+99, MBK90, Mul98, New92, New92a, OPZ11, PS12, PQC+09, PHB14, PZT02, RSV87, RSF11, RGG82, RGP82, RWP96, RIS76, ROC94, RO98, SMB10, SYK10, SV06, SLLG05, SHI92, SLK05, SMN+11, SG94, SFS00, Sos94, Sta89].

Supported
[ST08, Ska13, SS86, SL12, Tab10, TML+00, TP90, VCK+12, WK08, WDA08, Wli82, Yue99a, ZYLC05, ZR14].

Supported
[MPP+08].

Supporting
[BCC+90, EW16, MSS+15, MCN+17, MBM+06, PCH+82, WK89, BH78, DG90, Dvo90, FMB+07, Hill81, Nak01, TKHP92, Wil91, ZWH16, ZSHG07].

Supports
[AK81].

Supremenum [SH92].

Surfer
[TMW+01].

SurfNoC [WGO+13].

Surprise
[SPH+16].

Survey
[Bar91c, Goh14, RO93, Tho11a, CmWH91, GAG88].

Surviving
[LDSC08, PAM11].

Sustained
[BAT12, DK89].

SVB
[PLZ09].

SVW
[Rot05].

SW
[FJB85, JM88, PB82].

SW-banyan
[JMB88].

SW-banyans
[FJB85].

Swapper
[ATS14].

SWAR
[CL09].

Sweden
[IEE83, ACM01].

Sweep
[CV04].

Switch
[BDJ+11, DR91, Ha84a, Ha84b, LHL+89, MABL97, MM89, SPP97].

Switch-based
[SPP97].

Switch-level
[Fra86].

Switchable
[CHZ+14].

Switched
[RL74a, DS85, DR91, KMS+12].

Switcherland
[EO98].

Switches
[ECRP96, Kn91, MB91, TF88, YA90].

Switching
[HL15, KD83, CS84, LHR84, LW92, PM92, SD95, TGG14].

Swizzling
[Wil89].

SX
[Fat90].

SX-2
[Fat90].

SXA
[Ter87].

Sylvan
[Bur84].

Symbiosis
[EE10b].

Symiotic
[ST00].

Symbol
[Lal73, RO74].

SYMBOL-2R
[RO74].

Symbolic
[BK14, CWHY13, GRD87, HA87, HF88, Kie87, LH88, OCF00].

Symbolics
[Moo85].

Symmetric
[AAD90, BAMA0, KB92, MDS011].

Symmetric-key
[BAMA0].

Symmetrical
[Max77].

Symmetry
[Ts90b].

Symposium
[ACM80, ACM89, ACM91, ACM93a].

Symmetry
[ACM95, ACM96, ACM97, ACM98a, ACM00, ACM01, ACM02a, ACM04, IEE76, IEE77, IEE79, IEE81, IEE82, IEE83, IEE84, IEE85, IEE87, IEE88, IEE90, IEE92, IEE94, IEE99, IEE93, IEE05, IEE06, JDL81, KN75, LS73, Tho01, IEE06, LEI91].

SYNAPSE
[NI95].

Synchronization
[ACAT16, AK16, GMT16, LR90, MCS91, MA15, OCV+15, PG16, SA15, ZSHG07, AC89, BD86, CSY90, DESE13, GVW98, GS80, Gup89, Hic76, KBG97, LAS85, MT02, MPT12, MPSV06, MBVS97, RP85, SGC+05, SY89, TVZ90].

Synchronization-induced
[MPT12].
Synchronized [LNA08]. synchronizer [CG92]. Synchronizing [FK83, SJ88].
synchronous [BCD89, IM02].
Synchronoscalar [ORS04]. SynFull [BJ14].
synonym [PHH16a, PHH16b]. Synopsis [Tsa16].
Synthesis [D'H16, LIF+16, LWPG17, MEB15, PP92, SOD+14, EG97, Gas88, Kin83, LS12b, MPR12, Qui84].
synthetic [BJ14, PBL90]. System [AHC+16, AOM+14, AVN+16, BLC+16, BKL+16, Buc78, Chr77, DKL+15, FL76, HMT+05, HSW+00, HCL15, KDL+16, LHM+15, MAHK16, NMS+14, VSM+08, WHZ+17, ZYSM15, AA84, AIO+11, AS91b, ACC+90, And73, And90, ALBL91, APT90, AFGM10, Aflm93, AJC+88, BBFP06, BGG98, Bar82, BLAA99, BBL88, BCL82, BAD+10, BR90, BAC+08, BC02, BR92b, CDP82, CDM77, CS13b, CO03, CZ14, CIZ99, CSSP87, Che92, CS11b, CLS73, CBF93, Cra85, CJ01, CK00, DSG11, Dav80a, Dav14, DLSW76, DS89, DF90, DJ09, DP76, DPB77, FCV97, FR89, FSC76, FSS+09, FR87, FSS76, Gao93, GP88, GMC+09, GSS12b, GA79, GYCS96, GPV04, Gra91, GKN80, HW77, HAO86, Hai87, HFL03, HHA83, HWT+11, HKT+13, HBI13, HMK02, HSS12, ICT85, JS73, KONA82, KTO+12, KM86, Kor74]. system [KRM83, KW11, KDL+93, KDL+98, KKK76, La04, Law76, LL88, Lee73, LSC2, LP91, LJS+02, LRS+08, LWZ14, LR77, LNEHR11, LN92, LC96, MK84, MS12, MM83, Mar82, MTC+07, MB89, MIO+10, MF76, NH12, NSI94, NDZ10, NSI8, NOK+83, OQ91, PS12, PBL90, Pou77, QRS09, QFLMK10, RRP+07, RSF11, RM77, Red92, REL00, RR04, RO74, Roc94, Rod85, RZ80, Rui86, SB05, Sat74, SK83, SYL13, SSDK84, SFWK13, SLCe12, SGS11, SG95, SW74, SC05, SLSN14, TA83, TS90b, TA76, TOL+11, TP90, Van81, VFCM13, VI94, VYK+98, WGT+05, WDA+08, Wil78, WO89, Woo14, WD+16, XBH03, YKA96, YJSE12, ZELV02, ZYGP09, ZRZ+14, ZLZZ09, Ber80, Cal74, CC87, Dud83, HO91, HNS77, MPSB87, MO83, NI85].
System-Level [AOM+14, BBFP06, SLSN14]. System/370 [CCS87, Dud83, MPSB87]. System/38 [Ber80]. System/6000 [HO91]. Systematic [GZuRC13, Jon82, VGNLV89, Mar83b]. Systems [ANS+15, ABC+94, BNE16, CHLS16, DK16, Geh14, HVML04, Hil91, KLMK17, KAOA05, LLLG16, Lev92, LLL+17, MSH+15, MM08, Ozt15, RCV+05, SHP+16, SAA17, SDB+15, SGM+15, WHZ+17, YVCB17, ZE16, ABR01, Adl73, AHMN91, ARJS07, AJH12, ASP+03, ACS+12, Avi83, BCG14, BA84, BS73, BBFP06, BFP06, BF70, BK90, COH+11, CLC12, CSY90, Che90, CGL+08, CG92, CKE16, CKC11, CS80b, CBRR12, CBC+08, CDA14, CHWY13, CRMR11, DF+13, DIY86, DZZ+14, DSH+10, Ebe02, ELM10, ELM11, Est02, EST89, GS290, Gau85, GCH+10, GTK13, GL73, GL98a, Gra84, GFNW86, HCU10, HW1+11, HCM+06, HS73, Hill3, HPF86, Hoo77, HEK+16, HX97, HBCG13, ILS96, ICN+10, HO80, Isa74, JD88, JCSK14, KTM91, KDMP92, Kha99a].

systems [Kha99b, Kha99c, Kin83, KOBS88, KMS+10, KR80, KB80, KKH11, Lee88, LAK09, LAS+07, LZZ+07, LCWM08, Lip98, LN92, LG04, LRHM90, ML+13, MLC+09, Mal80, MP86, MPS89, MSS76, MPSV06, MAL01, MPH+13, MMAS08, NUMS94, NP95, OIA+13, OLJ+14, Oya89, PQC+09, PBC+13, PG00, PIAS13, PL06, PP92, RWB09, RPASA97, RCC05, RR04, Roc85, RB007, Ros06, SBM02, SF804, Sal76, SK13, SGNG00, SL93, STV94, SMO89, SF91, SPA+98, SKS88, Sta89, SHMZ94, SMRT85, ST77, SSP97, TASS09, Tho09a, TL11, TBL12, UMB+11,
UMB+12, VPS01, VGSS85, WS07, WE74, WCS08, XT96, YPD83, Yok94, YJE11, ZVN03, vT88, vIG80, Ant91, Ber91c, Kos93b, JW93J, JW94, KSN07a, Ram88.

Systolic
[TW91, BCC+90, CH85, DV87b, FKMD83, HS85c, Kp, MeL, NLY86, Qui84, VGNL89, nZY84].

T [Zho16, BMM14, ACK+95, NPA92].

T.Node [All92]. T3D [KC95]. T9000
[LR93]. Tabak [Ber91b, Kri91]. table
[BCR10, BE03, HH93, JW97, KE91]. tables
[Ree82]. Tablets [CZ+15], tactical
[ST77, TP+77]. tag
[EA02, HR07, RFS88, Sez94]. Tagged
[Feu76, GK85, Har86, SA87]. Tags
[SH77, Font93, Gurn83, JW97, SM94, WSY95].

Tail [HhEH+15, JHK+16, ZMMT16]. Tailor
[LWRC10]. tailored [UVC14]. Tailoring
[CLM07]. tale [Bha97]. Talk [Bra82c].

Tame [AVN+16]. taming [HBCG13].
tamper [TML+00]. Tannenbaum [Ram78].

Tap [KSO08]. tape [VRV+14]. Tapping
[WDA+08, GSU11]. Teran tapula
[EAE+02].

Tarazu [ACR12]. Target
[CHP97, JHK+16, PAM+16, BM99c, KE91, LNEHR11]. Target-Driven [JHK+16].

Targeted [SDLR+15, BTA+11]. targets
[Dve90]. Tartan [MCC+06b]. Task
[AWAG15, CS89, Pri91, Ste80, BCD89, GVY90, GTA06, Hain84a, Hain84b, KTC00, LRHM90, MiI82, OBRW14, RCM+12, Ros76]. task-based [KTC00]. tasking [Roo89].

Tasks
[KGS16, ZE16, LRHM90, Mar82, MT84].

Taurus [MAHK16]. TaxDC [LLLG16].

Taxonomy
[LLLG16, Avi83, Gl83, Joh88, Smo89, TH76].

TCB [MPP+09], TCC [HCW+04], TCgen
[Bur06]. TCI [AZRA97]. TCP
[Mad94a, BSR06, LCL+16]. TCP/IP
[Mad94a, BSR06]. team [CR94]. Technical
[Ful91a, GA79, CR94]. Technique
[AK16, ASH86, AP93, CFR99, FP91a, HSS94, IBC12, Jag90, Kee79b, Kha97b, LN07, Lan77, LAS85, MPSV06, PV03, RD01, SFS04, SGS11, UZU00, VLZ88, WSY95].

Techniques
[DM06, Mon98, MKP95, WEMR04, ZH16, AA06, AC89, Arm74, BGP+01, BR92a, CGB89, FKM+02, GSR93, GHKP89, GHG+91, HA90, JKN+13, KDV11, KHC91, MP19, RGP82, RFS88, Ria80, TYZ90, Tua78, W887, YERJ99, Ful91b].

Technology-Driven
[KDA08]. Teenage
[Bar11]. Telecommunications [Dre94].
telecommuters [Dre94]. Telescope
[NIS16, NIS12]. telling [KZC12].
temperamental [NaR07]. Temperature
[GNB15, SSH+03, WMW09, HCG+06].

Temperature-aware
[SS8+03].

Temperature-constrained
[WMW09].

Tempest [RLW94, RLW98a, RLW98b].
template [CWS+11, FAYA87]. Temporal
[CWdO+06, PG04, WSH+05, NMTH10, SWAF09]. Temporally
[LL02, MA15].
temporary [SP87]. Ten [Ye99, PTA+11].

Tensor [JYP+17]. Tera [ACC+90]. term
[AJL14, CS11a]. terminal [CJM77]. terms
[PSB13]. Terri [Ful91a]. Test
[LWP17, YHF03, CTV+09, GH90, GKN80, KPK90, MBL+89]. test-and-test-and-set
[GH90]. Testability [S05]. testbed
[RES+13]. testing [DRC05, PP96, SGB00, SzUK+04, ZMMT16]. tests
[MMP+12]. TETRIS [GYP+17]. Texas
[Kin75, IEE82]. Text
[BN78, CL09, Rb78, TW91]. Textbook
[Su74]. textual [BTW77]. texture
[CBS98, HCG97]. their
[BSF+91, Cra88, Jai82, OC78, PLZ09, RFK88, RAJ00, SSP97, SS86, VM88]. them [KBG97, KDK+14, LWLZ12]. theorem [Gao93]. theoretic [Nik09]. Theory [ED17, MPM14, Sov83, XDLB13]. There [PAY+17]. Thermal [DM06, GSN05, LZZ+07, BTS+11, MMNBR07, MMAR10]. Thermally [KRY+17]. Thermally-Aware [KRY+17]. Thermostat [AW17a]. Thin [LMS+13]. Thoughts [Sha80]. thousand [SK13]. thousand-core [SK13]. Thread [Bet73, BM09a, FURM00, KHP+04, PR05, RWB09, SKS+92, BDMF10, CSM+05, DG99, EE09, EE14, GJT+11, GP08, HK09, JKN+13, KDM+98, MLC+09, MT02, PT03, SBM09, SLM02, SCZM00, TE94, YKL+16, LWR10]. Thread-based [SKS+92]. Thread-level [FURM00, BDMF10, DG99, EE14, HK09, MT02, PT03, SCZM00, YKL+16]. Threaded [WCT98, cC91, CSS+91, HS13, KHP+04, LBvH06, MLCW11, OA08, RKM+10, SQP08, VIA+05, Wu08, YZ07b, ZdKL+13]. Threading [BFA+15, CCE+09, MLC+09, RRP06, SQP08, kSYHX+11, CH04]. Threads [CTTC06, CASM06, CPT08, DESE13, HKT93, HKN+92, KST11, LWR10, LPH+09, OL02, WCW+04, ZCMS02]. Three [PAD16, RFK88, SM14, AAZ89, DD90, ES74, Lai92, LSFK08, Teo90]. three-access [AAZ89]. Three-Dimensional [PAD16, RFK88, ES74]. three-port [AAZ89]. three-port/three-access [AAZ89]. Thresholding [THM+14]. Throttling [AGS05, ELMP10]. Throughput [BTC06, MCK16, SAL+05, SN95, TS05, TP15, AFGM10, CG95b, CHK+12, CDS+14, FP91b, GJT+11, HCV03, HS13, yKPR02, KSN07b, LKC+10, PD76, PD98, Pat98b, SL92, SVC03, VFMC13, WBKR13, YJE11]. throughput-oriented [HS13]. Thumber [Mil77b]. thwarting [WL07]. TickerTAIP [CLVW93]. TIDBITS [HRD+85]. tiered [AW17a, 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 [RL17, SPM+06, ZA05, MSP+06, New92b, New92a, SKC+03]. Tiles [WDL10]. Time [Fuji91, HS06, MCG17, SGS08, Wra91, ABR01, AV10, ASP+03, Bat72, CLC12, CTW+13, CG92, CJS99, DP76, DPB77, ELN89, FF73, FHM+11, FTG88, GPF13, GH76, GWM03, HANN96, HBII13, HRD85, HW95, Jen74, JnWH97, KD92, KL02, KPH96, LYK+00, LYBC88, LJ+13, LRHM90, Mas84, MPI94, MAL01, Mul89, NMS+00, PQC+09, PPR09, RB800, RHS06, Rid87, RD01, Roo98, SIG89, See91a, See91b, SA88a, SA91, SBM09, SKS88, TRA91, Thr76, THM14, TP90, Wu91, YXR06, YMI11, YFPR07, YMX+10, ZW16, dRBC93]. time-constrained [CG92]. time-delay [HRD85]. Time-sequenced [Wra91]. time/space [FHM+11]. time/space-efficient [FHM+11]. timebombs [CWdO+06]. Timed [Zub80, DGY99, Now87]. Timekeeping [HM02, MDS12a]. Timely [YXR06, LF00]. times [May82, QFJL12, SM99, TL14]. Timestamp [MSA+00]. Timetraveler [VAV10]. TimeWarp [MDS12a]. Timing [GW73, ZWSM15, Afs95, CKS16, HFJ11, ISG07, KCE12, PS77, PS98c, SP98a, YLM+10]. timing-aware [HFJ11]. timing-error [KCE12]. Timing-Sensitive [ZWMS15]. tiny [LC02]. Title [Rat85]. TLB [BM10, CB02, GBHS14, KS02a, PII17, ROKB95, RGSJ17, SD00, ST03, SSC98, TDF90]. TLBs [NUS+93]. TLP [SNL+03]. TLSync [OPZ11]. TM [Fen82, LCF+14].
TMC [KC95]. together [LWRC10]. Token [MHW03, Lip77a, PC90, PC98b, PC98a, SA87, TTM12]. token-store
[PC90, PC98b, PC98a]. TokenTM [BGH+08]. Tokyo [EIE86]. Tolerance [SV05, AA86, Ann91, Avi83, Con88, CP11, HBT11, KRS13, KW84, KR80, MS82, MTS10, PBGM09, RRP06, SH80, SPR00]. Tolerant [GAR*05, LWB08, PGVB04, AGSY94, BSD87, DRY95, FCP92, FF73, FV82, GKN80, KLC94, KR85b, LS82, LIW82, Mar85, MC93, MKKU03, MGBK96, PA73, PJDL06, SKB09, Tem12, TYZ85, VB05, WL88, WIPK90]. tolerate [TST07].
Tolerating [ABC97, CASM06, Luk01, QD99, XYM12, BBJB94, GHG*91, LK*92, NQK13].

TOM [HEK+16]. Tomasulo [EKEL01].
tomography [MMAS08]. too [Bra80a].
Tool [HLL*93, TAM*08, BA97, Burt06, Cor89, GBSH14, GSS05, JK13, Man01b, Man01a, MESSZ6, NMS*0, PPZ06, Sch89].
tools [ASK85, HS74, Spr07, Sro01]. toolset [BBJ*08, MSB*05]. top
[HSB5a, PBWH*11, SW87]. top-of-stack [HSB5a].
Topic [LCCZ17]. topics [Smi86].
Topologies [PDL15, KMA*12]. Topology [KDSA08, KDA07, Tze90].
Toronto [AC91]. Torto [Dik90]. torus [HWC91, SDGT03]. Totally [CMR*12].
touch [LFO0]. TP [CB94b]. TPC [JHK*16].
Trace [BKB90, GCJ17, JS00, LHM*15, BJ03, BRS99, Burt06, CNO*87, HWI*11, HB90, Kha95a, Kha97b, KEL91, KSA03, LSSG05, PEP98, RBS00, RSYP06, TF01].
trace-based [HWI*11]. Trace-driven
[BKB90, Kha95a, KEL91, LSSG05].
trace-level [KSA03]. Traces
[RAM*04, Sto86, ASH86, BKW90, OQ91, RF96, YHXX14].
Tracing
[Kha99d, JK13, RGD09]. Tracker
[LYM16]. Tracking [CLS05, CWY*08, YSCC16, BYG*00, JOW*02, SCC03, SLZD04, TWM*09, ZPS*04, uAM16].

Trade [NLS88, SPM*06, BDA03, CM80, MS07, SEI*95]. trade-off [BDA03, CM80].
Trade-offs
[NLS88, SPM*06, MS07, SEI*95]. tradeoff
[CW02, CS94, Ino05, MHS*0, YJE11].
Tradeoffs
[CMM*06, JW94, 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, SFSK02, SLSN14].

Traffic
[DSH91, HM81, WGA*02, VPC02]. traditional [SKC*12].

Transaction
[ATT*13, DI86, HCS5, RBG*01].

Transactionable
[BNZ08, BWH*0, CP17, DDK*16, HWC*04, HM93, MS15, MCC*06a, NP17, RG02, RHL05, SD80, ZJ06, BDEM07, BRM10, BMV*07, CMF*13, COH*11, CVN*06, CMM*06, DCM*11, DFL06, DLMN09, FM80*7, HCW*04, LCF*14, MTC*07, MBM*06, RRP*07, SSH*0, Tab0, VTS12, WSO7].

Transactionableizing
[RLS14].

Transactions
[BWH*08, KPS*12, LZC*10, MCG17, QST14, RKM*13].

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

Transfer-Aware
[HCL15]. transfers
[DJT94, Hum96, Lip77a]. Transform
[HS86, NNS12, NZY84]. transformation
[DJPK16, KS84a, RCC05, SV06].

Transformations
[SSK17, AC09, CM00, RP99]. Transformer
[Sch83]. transforming [KSC16].

Transient
[GSV03, GV05, RM00, VPC02, HANR12, YZ07a]. Transient-Fault
[GV05, GSV03, VPC02]. transients
[PM92]. transistors [FTP94]. transit
[CKA09, Mac98]. transitive [XHB06].

Translation
[AZEE17, AKB85, AK01b, AK01a, BCR10, Bha17, BRGH89, CB17, PHJH17, YVCB17, ABL+80, ACM02b, AS96, BCR11, CLL01, CFG+13, FPF+92, FBG12, GKEU09, 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 [AZRRA07, CBC05, HEK16, KP05, VNN13, AW17a, BMW09, LLZ13, ST03].
- Transputer [LR93, OQ91, WS85].
- Transputer-networks [OQ91].
- Transputers [Hey90].
- Trap [BKSO05, KKN00, YXR06].
- TRAP-Array [YXR06].
- Trapping [EW16].
- Trigonometric [dDIS13].
- Trimmed [VGX17].
- TriCheck [TML+17].
- TriCheck [Woo85].
- Triple-A [JCSK14].
- Triple-base [MS12].
- TRIPS [GMC+09, SNL+03].
- Trisection [TML+17].
- Trojan [BCG14].
- Truce [Mas04].
- True [MMT16].
- Trusted [AWSS17].
- Trustzone [SRSW14].
- TSO [DMT13].
- TSO tool [HVL04].
- Tsunami [SKN+15].
- Tuning [MRH+16, AAM76, CSW94, D91, LPH+99, SG94].
- Tunnel [HLW94].
- Turing [La03].
- turn [HFM+11, GN92, GN98, Ni98].
- tutorial [SGG+85].
- tutorial [HSS12].
- TwinDrivers [MSZ09].
- Two [AW17a, MPT91, PCC+08, SAL+05, Bha97, BSSM08, BKB90, BPY+91, CG91, EPCP98, JW94, Kha99c, LH88, ON90, Sez93, SL88, Sta81, TKHP92, WBL89, WQL92, YL84, YP92, YP93, YP98a, YP98b, dRBC93].
- Two-Dimensional [SAL+05, BSSM08, LH88, YL84].
- Two-Level [PCC+08, BKB90, CG91, EPCP98, JW94, SL88, WBL89, YP92, YP98a, YP98b].
- two-phase [dRBC93].
- Two-tiered [AW17a].
- two-way [Sez93, WQL92].
- TxLinux [RRP+07].
- TxRace [ZLJ16].
- type [BMM14, GSZ90, Gil83, Sov83, SH87, WW89].
- Typed [KKK+17].
- types [Feu76, GB74, NYNT12, Sie77, ST08, VI94].
- typestate [GZC+11].
- Typhoon [RLW94, RLW98a, RLW98b].

- Ubik [KS14].
- ubiquitous [CDS+14].
- Ugly [SDB+15, Irw10].
- Ulisse [CJM77].
- ultimate [Gri88, Jon88c].
- Ultra [CDY+17a, CDY+17b, HTM+05, SCP+06, CKS16, EKM04].
- Ultra-low [CDY+17a, CDY+17b].
- ultra-low-power [CKS16].
- ultracomputer [Got98, EGK98, GGK98, GGK98].
- UltraSmall [TSK13].
- ultrasound [CYH+11].
- Unbelievable [HC15].
- Unbounded [CNV+06, BDLM07].
- Uncertain [Zho16, BMM14, BMM14].
- uncommon [BDLM07].
- uncomputation [SV06].
- Unconstrained [ANHN95].
- unconventional [Kha95b].
- uncorrectable [DJPK16].
- undefined [Ger80].
- Underlying [YLP+17].
- Underprovisioning [WGS+14].
- Understanding [HQW+10, ISL96, KS12, KZT05, LJS+02, LRS+08, LRC+08, MHhK+13, MMAS08, RRP06, DFR017, ZS00, HSS12].
- Unidata [Ber76].
- Unidirectional [Bos84].
- Unification [Woo86, GK81, SA86, Woo85].
WO86, YMST07]. **Unified** [Bay99, CS94, DP12, JBW89, LSY+, PMPM96, PHB14, Ris76, Tak87]. **Uniform** [Sov83, ABC97, DN93, KBK02, Qui84, SA92]. **uniformly** [SA86]. **Unifying** [TGGS14, FW97]. **Unikernels** [MMR+]. **unintrusive** [HDT+]. **uniprocessor** [CJ01, RTY+]. **uniprocessors** [EJK+]. **Unit** [JYP+17, Woo86, BNA88, CRM91, GSS12a, GSS12b, HK89a, HS85c, MS13a, MS13b, MS13c, PS88, Skl92b, Skl92a, TH86, Woo85, WO86, WLP+14, YMHB00]. **Units** [AWAG15, THEK16, JSL95, LZZ+16, Mat91b, Nad88b, PHB14, RR77, SP89, Sur07, WZL+16]. **universal** [Bra82a, FFW98]. **universality** [Sie77]. **universities** [Tho10a, ABC+94]. **University** [Cha92, LS73, MFST88]. **UNIX** [AKB85, AKCB86, PVB17]. **unknown** [Par75]. **unlimited** [GXL12]. **unnecessary** [Tho10b]. **unordered** [SRE+]. **unorthodox** [KDBA78]. **unresolved** [TYS+94]. **Untrusted** [KDL+16, CS13b, HKD+13]. **update** [GKT13, SLc12]. **update-aware** [SLc12]. **update-intensive** [SLc12]. **Updates** [IKK16]. **upon** [Bra82b, RR77]. **UPS** [KZA+12]. **USA** [ACM93a, IEE03, IEE06]. **Usability** [WSC+14]. **usable** [TOL+11]. **usage** [AZ98, CmWH91, Dev90, MW98, Wie82]. **usage-based** [Dev90]. **Use** [BS04, DD90, DFK17, NHH+17, SLSB10, Sho87, ZJL17, BH78, BB74, Cit03, CL82, GC84, GH86, HCV03, HCB04, Kee78b, Kee79a, LC82, Maz77, NRK05, Sez96, SS85, SHV+98, We97, YP93]. **Use-Based** [BS04]. **used** [Che90, LHL+89, MS13b]. **useless** [DSR+93]. **Usenet** [Tho90, Th91a, Th91b, Th91c, Th91d, Th92a, Th92b, Th92c, Th93a, Th93b, Th93c, Th93d, Th94b, Th94c, Th94d]. **User** [SOM+08, AL91, CME+12, FR89, GP76, MS182, MCD+08, Nak01, Par02, RLU94, RLU98a, RLU98b, SLT02, Tob80, TSK+83, TM80, ZYL05]. **user-defined** [TM80]. **user-level** [Par02, RLU94, RLU98a, RLU98b, SLT02]. **user-microprogrammable** [TSK+83]. **user-perceived** [MCD+08]. **user-programmable** [GP76]. **uses** [TP06]. **Using** [AK00, BN208, BLS99, BNE16, CFRS99, CWY+08, CCEH00, CLR05, ECP96, GCJ17, Goo83, Goo98b, GSM16, HVML04, Kar89, LNR+06, LW08, MHS+03, MF05, MMJ05, MH98, OCY+15, PAV16, SCG13, SRS14, SLFG06, STS17, SDR+15, SLT02, SK10, SOS05, TM05, ZJ16, AAM76, Az95, AS86, AD13, AR80, AWAG15, AWC+11, BDH+99, CGS09, CTY02, CG06, CE98, CKZ12, CHW13, CB94b, DSG11, Das83, DW90, DSO11, Don83, Don85, Don90, Don92, DESE13, EST89, Far05, FFDDH00, FAYA87, GSZ90, GC11, GGH92, GSS12b, GB01, GMF+11, GCTR08, HvDJL05, HJ86, HO4, HTM15, HBHA02, HR07, HY85, HDP+90, JTSE10, JPT14, JC97, KRS13, KST11, KF79, KS84a, KDM92, Kec78a, KPH+98, KDS+06, KM10, KGS16, MKM16, KW98, LF00, LSSG05, LS12a, LS12b, LWL12]. **using** [MS13a, McD82a, McK74, MS80, MM14b, NNS16, NPC06, OPZ11, PCL10, PGG+87, PT03, QSR09, RBR02, RKM+10, RP99, RLCV10, RLD+17, ROKB95, RVL014, SLP+09, SEI+95, SGS11, SSAC13, SA88b, SSC98, Tab10, TQC+15, TM14a, TPO06, TS10, TS99, VSH91, Van81, VKI+00, VPC02, WP87, WMP07, WZL+16, WR84, WL10, ZRW05, ZLZZ09, ZZY09, ZS01, Goo98a]. **UT1000** [Cor89]. **Utility** [JSM13, JNAs+12]. **utility-aware** [JNAs+12]. **Utility-based** [JSM13]. **Utilization** [CYMT16, CYG+17, KOR17, PPM17, CKDK91, CM8+13, RE13, YBM13].
utilizing [CS06b, KKN00].

V [KB76, QTP05]. V-PMS [KB76]. V-Way [QTP05]. V9 [BKS+94]. Validating [LB17]. Validation [LB17, DZ09, HYHD95, Kha99d, MMNBR07, TXZ09, VNN13]. validity [KEL91]. Value [CL04, NGS99, WCL17, BEL+00, CRT99, DG99, GM98, GCG+14, KTS+13, KSA03, Lee85a, LL00, PS14, SB05, SSJ+16, TSS99, WCF01, ZCSM02, ZYG00, ZFC03].


Variable [LBW08, AWC+11, CYL99, De 90, IS92, LCSI0a, LRIHM90, PN77, RL74b, TW77, VHL73, WS91]. variable-length [RL74b, VHL73]. variable-strength [AWC+11]. variables [Bri87b]. Variant [MRH+16, Tze90]. VariaSim [RBOS07].

Variation [GNB15, LBW08, TT08, Jen78, Pon91, TST07]. Variation-Aware [GNB15, TT08]. Variation-Tolerant [LBW08]. variations [Mus09b, Slee10, XYM12, YLHL10]. various [Cra79, Don83, Don85, Don88, Don90, Don92, IT93, Sie77].

vstructured [Lip73]. VAX [BS98a, BB90, CLS2, Cla87, CBK88, De 81, EC84, EC98a, EC98b, GM82, HR91, Lar82, PB80, Wie82]. VAX-11 [CLS2, De 81, EC84, EC98a, EC98b, Lar82, Wie82]. VAX-11/780 [CLS2, EC84, EC98a, EC98b].

VecCleArit [LN07]. VDL [Lee73]. VEAL [CHM08].

Vector [Cha92, Fat90, GP95, KBH+04, KKS+08, MSAD91, PVAL95, SFS00, Wag83, BB90, Bur84, CL89, DD90, Dow87, Dow88a, Dow88b, EAE+02, FP91c, HY86, HIL89, HPU+16, HK89c, HS93, ICT85, IHM89, JBW89, KDMP92, KW84, KP03, MPSB87, Sk192b, Sk192a, SZ88, VLL+92, Wei89, YY92, Yue99a, ZK90]. Vector-Thread [KBH+04].

vector/scalar [JBW89]. vectorization [cC91, PGV02, PSB10, VJM09]. vectors [DSF+90, KTK12]. Veljko [Col90].

Verification [ED17, FXZ+17, FRK+15, GRH06, MS05, TML+17, ZSG+17, Das83, RK+11, Sto06].

Verified [KDL+16]. Verifying [AHKC16, CHWY13, HVML04, LSMB16, MPX+13, RLS10]. Verilog [KMK16].

Verlag [Ber91c]. versatile [AA84, Aßm93, CH85, SP85a]. version [ABKA85, Ann91, BHS91, B97, HC15, Jon08, Mad94a, Nis91]. versus [AHKB00, Bha99, BEH91a, CB76, CDK+94, DHR+90, KKC92, LJF+16, LJ90, Mull89, PMA+13].

vertical [LL+14, MSB2]. Very [Fis98b, RGSJ17, AS92a, BK+94, BTW77, KWK90, KTM91, Tre80, Fis83, Fis98a].

Vesta [CBF93]. VF [DD90]. VI [ZBJ02].

Via [CASM06, APX14, ACJL13, BM01, BYG+00, CY06, DS11, DS02, ELMP10, FBG12, FRB01, GLM13, HRA85, IMC+96, IKK16, JnWH97, KKK99, KJM+07, LWV+10, LS12a, LNRG12, LTQ06, MSS+15, ML05, MAL01, PKM17, Quo94, QTP05, RSW04, RM00, SBS01, SLG+05, SLQK12, SMB09, SLZD04, ST08, UV14, VGX17, WCW+04, WM16, WZY13, WWHF03, YJX+16, YZF+11, ZdKL+13, ZBF10, dRBC93, uAM16].

Victim [ZA05, BCG09, GAS16, NRK05]. video [BBFP06, MBS+04, RAJ99]. Videos [JSCM17]. view [Adl73, Dug83, Gil83, KDBA78, Mat90, PT91, Par88a]. violation [PLZ09, QTJ13].

Violations [LDSC08, LTQ06, LCS0a]. Viper [PGB12]. Virtual [AZEE17, ASP+03, AL91, BLA+94, BLA+98a, Dal90, EMZ+16, HS06, JPL08, MH07, MWM04, MWM04, YKL+16, AR83, AL74, BHS12, BGC+13, BLS99, BB74, CBS88, CWD+06, Goo87, Goo88b, HH77, IS96, JADAD06, KTM91, KR13, KKC+16a, KPKJ07, LYK+00, LC02, Lip77b, LL14, LSS04, ML05, NOK+85, PHH16a].
REFERENCES

[SDV+87]. \textbf{ZS-1} [SDV+87]. \textbf{ZSim} [SK13]. Zynq [JLFM15].

References

\textbf{Ahuja:1982:MMA}


\textbf{Agrawal:1984:BHH}


\textbf{Agrawal:1986:SIR}


\textbf{Adams:2006:CSH}


\textbf{Agyeman:2011:PAO}


\textbf{Akagic:2011:HSC}


\textbf{Alpert:1990:PCL}

REFERENCES


Ashraf:1998:IRM


Annaratone:1986:WAI


Annaratone:1998:WAI


Adve:1991:CHS


Abd-Alla:1976:LAT


Anido:1989:TPT

Archibald:1984:ESC


Anantharaman:1986:HAS


Abnous:1992:PBV


Allen:1994:RWR


Agarwal:1995:AMA


Alvarez:1997:TMF


Agarwal:1998:AMA

REFERENCES


Amano:1985:SIN

André:1980:KAO

Ashenden:1987:LWP

Acquaviva:2001:ECE
Andrea Acquaviva, Luca Benini, and Bruno Riccó. Energy characterization of embedded real-time operating systems. ACM SIGARCH Computer Architecture News,
REFERENCES


Alvarez:1998:DDA


Abe:1987:HPI


Aleen:2009:CAS


Abadal:2016:WAF


Agarwal:1989:ABS


Agarwal:1990:TCS


Agarwal:1998:ABS


Aggarwal:2007:ISI


Alverson:1990:TCS

Robert Alverson, David Callahan, Daniel Cummings, Brian Koblenz, Allan Porterfield, and Burton Smith. The Tera computer system. ACM
REFERENCES


[ACK94]

Almasi:2003:DCD


[ACK+03]

Aldwairi:2005:CSM


[ACF05]

Arulraj:2013:PRS


[ACM80]

Asthana:1994:EAM


[ACK+95]

Arpaci:1995:EEC


[ACM1995]

ACM:1980:CPA


REFERENCES


August:1998:IPS


ACM:2000:PIS

ACM, editor. Proceedings of

REFERENCES

PLOS '12 conference proceedings.

Ausavarungnirun:2012:SMS


Abandah:1998:EAT


Ahn:2004:EIS


Adler:1973:MCC


Agrawal:2015:ASD


Azevedo:2013:ZME


Ahn:2013:DAS

REFERENCES


Aslot:2001:PCS


Agerwala:1973:CCL


Ansari:2010:NES


Annaratone:1990:KPP


Afzal:1995:PMU


Agarwal:1998:RAM

REFERENCES


IEEE Computer Society Order Number PR08491; IEEE Order Plan Catalog Number 98CB36235.

**Andrus:2014:CNE**


**Amani:2016:CVH**


**Abdulla:2008:MCR**


**Agarwal:2000:CRV**


**Adve:1991:DDR**


**Arvind:1983:CMN**


**Aichinger:1992:FBP**

REFERENCES

Arakawa:2005:SXE


Akamine:2011:IOE


Ahuja:1977:MMS


Asthana:1988:IMS


Ahn:2012:RHA


Albericio:2016:CIN


Abts:2009:APP

Dennis Abts, Natalie D. Enright Jerger, John Kim, Dan Gibson, and Mikko H. Lipasti.


DEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic).


Hideharu Amano and Wayne Luk. FPGA-based Connect6 solver with hardware-accelerated move refinement. *ACM SIGARCH Computer Architecture News*, 40(5):4–9, December 2012. CODEN CANED2. ISSN 0163-
REFERENCES


REFERENCES

Amsbury:1983:CSA

Abts:2010:EPD

Aga:2017:ISM

Anderson:1973:IDP

Anderson:1990:ACS

Ando:1995:USE

Agarwal:2008:FCR

Annexstein:1991:FTH
Anonymous:1981:ESM

Anonymous:1982:LA

Anonymous:1989:PTD

Anonymous:1999:MSF

Anonymous:2004:AI

Anonymous:2004:C

Anonymous:2004:GCC

Anonymous:2004:PCM

Anonymous:2004:Ra

Anonymous:2005:AI
REFERENCES

Anonymous:2005:C

Anonymous:2005:GCM

Anonymous:2005:MW

Anonymous:2005:PCM

Anonymous:2005:R

Anonymous:2006:AI

Anonymous:2006:MGC

Anonymous:2006:MPC

Anonymous:2006:R

Anonymous:2006:SG
Anonymous:2008:AI


Anonymous:2008:CA


Anonymous:2008:MGC


Anonymous:2008:MPC


Anonymous:2008:PI


Anonymous:2008:R


Agarwal:2015:PPS


Anthony:1991:BRT


Ando:2014:CSF


Arnold:1976:HRM

Agarwal:1993:CAC

Anjan:1995:EFA

Annaratone:1989:ICS

Abad:2007:RRE

Agrawal:2014:RHD

Annaratone:1989:ICS
REFERENCES


Aggarwal:2007:CIB


Armstrong:1974:FMT


Adams:1991:PPP


Akella:1991:MMI


Alleyne:1992:EDN


Austin:1992:DDA


Austin:1996:HBA

REFERENCES

**Arelakis:2014:SSC**


**Agarwal:1986:ANT**


**Agarwal:1988:EDS**


**Agarwal:1998:EDS**


**Abu-Sufah:1985:PPT**


**Aslam:1984:MDC**


**August:1999:PDL**

References

109

0163-5964 (ACM), 0884-7495 (IEEE).

**Anantaraman:2003:VSA**


**Ajay:2017:GIL**


**Assmann:1993:RPA**


**Agarwal:2011:FIF**


**Amamiya:1986:IEL**


**Atkins:1979:RAC**


**Amit:2014:VMS**

References


Atta:2013:SBI

Amin:2007:APA

Aupperle:1980:RIC

Ahmad:2010:JOI

Avizienis:1983:FTF

Asmussen:2016:MHO

Alameldeen:2004:ACC
REFERENCES

Agarwal:2017:TAT


Al-Wattar:2015:EMA


Alameldeen:2011:EEC


Angstadt:2016:RPP


Awad:2017:OLO


Anderson:1988:SNN


Amano:1983:SSM


Aweke:2016:ASB


Adams:1989:AIS


Allu:2005:ERC


Alam:2017:DIY


Allu:2006:ERC


Al-Zawawi:2007:TCI

REFERENCES

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

**Baron:1974:ELC**


**Bhuyan:1982:GCP**


**Banerjee:1984:FSA**


**Burger:1997:STS**


**Bansal:2006:AGP**


**Butler:1988:PAO**


**Blumrich:1998:DCS**

Bergan:2010:CCR


Ben-Asher:1989:DSA


Baker:1991:PIS


Baker:1994:LLP


Banavar:2015:WEC


Barton:1982:SNH


Barroso:2011:WSC


Baskett:1977:MMF


Bataille:1972:SOG

M. Bataille. Something old: the Gamma 60 the com-

**REFERENCES**

**Batcher:1980:AMP**


**Bay99**


**Brundage:1974:PED**


**Bhandarkar:1990:VVA**


**Binkert:2011:GS**

Nathan Binkert, Bradford Beckmann, Gabriel Black,


Beltrametti:1988:CMM


Bodin:1990:LOH


Bucher:1990:ACM


Bhandarkar:1991:PAC


Boppana:1993:CAW


Buonadonna:2002:QPI


Brifault:2004:DCM


Carlos Boneti, Francisco J. Cazorla, Roberto Gioiosa, Alper Buyuktosunoglu, Chen-Yong Cher, and Mateo Valero. Software-controlled priority characterization of POWER5
REFERENCES

<table>
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<tr>
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<th>Reference</th>
</tr>
</thead>
</table>


REFERENCES

ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

**Banescu:2010:MFP**

**Bilir:1999:MSN**

**Binkert:2011:ROF**

**Blundell:2007:MFC**

**Blake:2010:ETL**

**Beetem:1985:GS**

**Breen:2003:AAA**
Kristopher C. Breen and Duncan G. Elliott. Aliasing and anti-aliasing in branch history table prediction. *ACM
REFERENCES


Beckmann:1995:HPM

Beeler:1984:BBB

Bradlee:1991:ERP

Burrows:2000:EFV

Benzie:1982:BRR

Berkling:1974:RLR
REFERENCES

Berndt:1976:ECA


Berstis:1980:SPD


Bernecky:1991:BRMb


Bernecky:1991:BRMa


Bernecky:1991:BRP


Bettcher:1973:TSR


Bhandarkar:1973:MCM


Bisiani:1987:ASM

REFERENCES

October 1987. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Brochard:1990:DAH


Bhatotia:2015:ITL


Bunda:1993:BVB


Bardine:2007:IPE


Bartolini:2006:MPD


Bechini:2003:FGD


Bartolini:2005:GEI

REFERENCES


[BGK96] Doug Burger, James R. Goodman, and Alain Kägi. Mem-


REFERENCES

DEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic).

Beivide:1987:OMC


Boyapati:2017:AND


Bilardi:1991:OVA


Basu:2012:RMR


Bhujade:1983:DAC


Bhuyan:1984:PLC


Bojnordi:2012:PPM

DEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic). ISCA ’12 conference proceedings.

**Bianchini:2017:IDE**


**Bic:1984:ELP**


**Bitar:1989:BRR**


**Bhandarkar:1978:STT**


**Bhargava:2003:IDC**


**Badr:2014:SST**


**Belhadj:2013:CRW**

REFERENCES


[Bugge:1990:TDS] Håkon O. Bugge, Ernst H. Kristiansen, and Bjørn O.
REFERENCES


REFERENCES

Beck:1987:VAM


Borg:1990:GAV


Blumrich:1994:VMM


Blumrich:1998:VMM


Blumrich:1998:RVM


Barua:1999:MCM

References

[132]

Caned2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

[Bornholt:2016:DBA]


[Bai:2017:VRE]


[Barbalace:2017:BBH]


[Bilas:1999:UNI]


[Bagrodia:1991:EIH]

Rajive Bagrodia and Sharad Mathur. Efficient Implementation of high-level parallel programs. ACM SIGARCH Computer Architecture News,
Bahar:2001:PER

Bond:2006:BBE

Bhattacharjee:2009:TCP

Bond:2009:LP

Burcea:2009:PBV

Bhattacharjee:2010:ICC

Burke:2000:ASF

Berger:2000:HSM
Emery D. Berger, Kathryn S. McKinley, Robert D. Blumofe,


REFERENCES

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


[Bos84] Bella Bose. Unidirectional error correction/detection for
REFERENCES

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


REFERENCES


[Bre10] Eric A. Brewer. Technology for developing regions:


Bon
di:1974:HHM

[BS74] James O. Bondi and Paul D. Stigall. HMO, a hard-
ware microcode optimizer. ACM SIGARCH Computer
Architecture News, 3(4):45–
51, December 1974. CODEN
CANED2. ISSN 0163-5964
(ACM), 0884-7495 (IEEE).

Bell:1976:CSW

[BS76] Gordon Bell and William D. Strecker. Computer struc-
tures: What have we learned
from the PDP-11? ACM
SIGARCH Computer Archi-
tecture News, 4(4):1–14, Jan-
uary 1976. CODEN CANED2.
ISSN 0163-5964 (ACM), 0884-
7495 (IEEE).

Bhatia:1987:MIN

[BS87] Sanjiv K. Bhatia and A. G.
Starling. Multilayered Il-
liac network scheme. ACM
SIGARCH Computer Archi-
tecture News, 15(4):23–31,
September 1987. CODEN
CANED2. ISSN 0163-5964
(ACM), 0884-7495 (IEEE).

Bodin:1995:SAE

[BS95] François Bodin and André
Seznec. Skewed associa-
tivity enhances performance pre-
dictability. ACM SIGARCH
Computer Architecture News,
CODEN CANED2. ISSN
0163-5964 (ACM), 0884-7495
(IEEE).

Bell:1998:RWW

[BS98a] Gorden Bell and W. D.
Strecker. Retrospective:
What have we learned from
the PDP-11 — what we have
learned from VAX and Alpha.
In ACM [ACM98a], pages 6–
10. ISBN 0-8186-8491-7, 0-
8186-8492-5, 0-8186-8493-3.
URL http://portal.acm.
org/toc.cfm?id=279358;
cfm?id=285930. ACM Order
Number 414984. IEEE Com-
puter Society Order Number
PR08491; IEEE Order Plan
Catalog Number 98CB36235.

Bell:1998:CSW

[BS98b] Gordon Bell and William D.
Strecker. Computer struc-
tures: what have we learned
from the PDP-11? In
ACM [ACM98a], pages 138–
151. ISBN 0-8186-8491-7,
0-8186-8492-5, 0-8186-8493-3.
URL http://portal.acm.
org/toc.cfm?id=279358;
cfm?id=285930. ACM Order
Number 414984. IEEE Com-
puter Society Order Number
PR08491; IEEE Order Plan
Catalog Number 98CB36235.

Butts:2002:DDI

Dynamic dead-instruction de-
tection and elimination. ACM
SIGARCH Computer Archi-
tecture News, 30(5):199–210,
REFERENCES

December 2002. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

[Buts:2004:UBR]


[Balakrishnan:2006:PDD]


[Bengtsson:2008:DSA]


[Bairavasundaram:2004:XRN]


[Biswa:1987:CCS]


[Bolosky:1991:NPT]


[Beamer:2010:RAD]

Scott Beamer, Chen Sun, Yong-Jin Kwon, Ajay Joshi, Christopher Batten, Vladimir Stojarovíc, and Krste Asanović. Re-architecting DRAM memory systems with monolithically integrated silicon photonics. *ACM SIGARCH*
REFERENCES


**REFERENCES**


REFERENCES


REFERENCES

0-8186-8492-5, 0-8186-8493-3.
URL http://portal.acm.org/toc.cfm?id=279358;

URL http://portal.acm.org/toc.cfm?id=279358;


[BZ87] Amitava Bandyopadhyay and Yuan F. Zheng. Combining both microcode and hard-wired control in RISC. ACM
REFERENCES


Culler:1988:RRD


Chaiken:1994:SEC


Chen:2009:SPP


Callan:1974:APS


Carlile:1996:IB


Colohan:2006:TDB


Chen:1994:PSS


Cvetanovic:1994:CAA

[Z. Cvetanovic and D. Bhanderkar. Characterization of Alpha AXP performance using TP and SPEC workloads.]
REFERENCES


Curtsinger:2013:SSS


Cox:2017:EAT


Clark:2005:AFT


Cox:2008:XEO


Corbett:1993:OVP


Cao:2012:YYP


Chen:1992:SBS

J. Bradley Chen, Anita Borg, and Norman P. Jouppi. A
REFERENCES


Clark:1988:MVP


Campanoni:2014:HRA


Cox:1998:MLT


Chiueh:1991:MTV


Crandall:2005:SA

REFERENCES

0163-5964 (ACM), 0884-7495 (IEEE).


REFERENCES


Chang:1987:CDS


Carretero:2009:EER


Conner:1977:IOC


Cook:1982:EIO


Criswell:2014:VGP


Chisnall:2017:CJS


Cox:1994:SVH


[CE98] George Z. Chrysos and Joel S. Emer. Memory dependence prediction using store sets.
REFERENCES


Chen:2016:ESA


Chu:1982:VAH


Chen:2012:IOD


Chang:2013:IVP


Casse:1999:UAI

REFERENCES


REFERENCES

**Cheriton:1989:MLS**


**Cheriton:1988:VMI**


**Cohn:1989:ACT**


**Chen:2008:OVB**


**Caulfield:2009:GUF**


**Chen:2014:ARA**

Cruz:2000:MBR


Chin:1984:CPM


Chuang:1985:VSA


Chow:1987:ATD


ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Chaudhuri:2004:SAN


Chang:1978:BRD


Chattergy:1978:CL

REFERENCES


REFERENCES


[Chr90] Christina C. Christara. Schur complement preconditioned


REFERENCES

Cortadella:1988:DRC

Cuppu:2001:CLS

Ju:1999:PMD

Cuppu:1999:PCC

Cooksey:2002:SCD

Chen:2005:HMP

Cerretti:1977:UIP


**CKmWH16**  Li-Wen Chang, Hee-Seok Kim, and Wen mei W. Hwu. DySel: Lightweight dynamic selection for kernel-based...


T. A. Cargill and B. N. Locanthi. Cheap hardware support for software debugging and
REFERENCES


REFERENCES

Cantin:2005:IMP

Cantin:2006:SP

Cao:1993:TPR

Chi:2016:PNP

Chroust:1980:RMO

Chiang:1987:DEL

Clauss:2000:AML
Cook:2013:HEC


Chang:1991:IAF


Chang:1998:IAF


Caulfield:2012:PSU


Cain:2013:RAS


Cristal:2004:CRC

REFERENCES

Chung:2006:TTM


Conte:1995:OIF


Chow:1988:HNH


Civera:1987:EVP


Cheng:2006:IAC


Chang:2012:TGE


Cintra:2000:ASS

REFERENCES

DEN CANED2, ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


REFERENCES

Colwell:1988:BRC

Colwell:1990:BRH

Contessa:1988:AFT

Cooper:1973:MMB

Copeland:1978:SSS

Cornett:1989:UMS

Cousins:1989:DCR

Cousins:1990:NAC
Cousins:1990:RPI


Cox:1979:NCA


Chen:1990:MPS


Chung:1998:LBC


Crago:2011:OEM


Carretero:1996:MPD


Chen:2017:AGH


Choi:2008:ABP

REFERENCES


Calder:1999:SVP


Chisnall:2015:BPA


Clark:1980:CCR


Coffman:1980:CBS


Chen:1989:TMH


Chen:1994:UAT


Carr:1999:ISP

REFERENCES


David E. Culler, Amurag Sah, Klaus E. Schauser,


Andrew A. Chien, Tung Thanh-Hoang, Dilip Vasudevan, Yuanwei Fang, and Amirali Shambayati. 10 × 10: a case study in highly-programmable and energy-efficient heterogeneous fed-
REFERENCES


Ceze:2007:BBE


Ceze:2006:BDS


Chau:2013:ASM


Chappell:2002:DPB


Cheong:1988:CCS


Cvetanovic:2003:PAA


Chang:2002:ATI

REFERENCES


(CY96) Lynn Choi and Pen-Chung Yew. Compiler and hardware support for cache coherence in large-scale multiprocessors: design considerations and performance study. *ACM SIGARCH Computer Archi-
REFERENCES

Choi:2006:LBS

Chen:2017:PPQ

Chen:2011:DSE

Chen:2016:BQA

Chen:2014:MLC

Choi:1999:DLV

Cho:1999:DLV
REFERENCES

Colp:2015:PDS


Cheng:2016:LLB


Dahlgren:1995:BPH


Dally:1989:MOF


Dally:1990:VCF


Dally:2010:MNC


Danesh:1993:PLC


Dasgupta:1977:DSL

REFERENCES

Dasgupta:1983:VCA


Davidson:1980:MSM


Davies:1980:CAM


Davis:2014:IWA


Dubois:1982:ECC


Duesterwald:2000:SPH


Deris:2007:ICE


Desikan:2002:EME

REFERENCES

Dennis:1980:BBD


Devietti:2008:HAS


Denehy:2004:DSA


Daly:1987:AMD


Daly:1998:AMD

REFERENCES

URL http://portal.acm.org/toc.cfm?id=279358;


[DCF+98] Bhavya K. Daya, Chia-Hsin Owen Chen, Suvinay Subramaniam, Woo-Cheol Kwon, Sunghyun Park, Tushar Krishna, Jim Holt, Anantha P. Chandrakasan, and Li-Shiuan Peh. SCORPIO: a 36-core research chip demonstrating snoopy coherence on a scalable mesh NoC with in-network or-


References

deDinechin:2013:FPT


Didona:2016:PAM


Drumond:2017:MDE


Dobry:1985:PSP


Dahlgren:1994:CPG


Dao:1995:CFC


DePrycker:1981:NIM

DeGloria:1990:VVI


Debaere:1989:IPC


DeMone:1996:RWD


Dennis:1976:CAC


Dennis:1980:WIC


Dennis:1998:RPA


Dennis:2003:FBM


DuBois:2013:CSI

REFERENCES


DeVille:1990:LCU


DeVille:1993:PDP


DeGloria:1992:ILP


Dashti:2013:TMH


Deng:2017:LLH


Davis:2005:RRA

185

REFERENCES


REFERENCES


David:1989:EIB


Driesen:1998:AIB


D'Hollander:2016:HLS


Dehnert:1989:OLS


Ditzel:1990:BSV


Dhawan:2015:ASS


Duan:2015:AMF

Yuelu Duan, Nima Honarmand, and Josep Torrellas. Asymmetric memory fences: Optimizing both performance and implementabil-


CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


Henry Duwe, Xun Jian, Daniel Petrisko, and Rakesh Kumar. Rescuing uncorrectable fault

**Durand:1994:DSA**


**Dally:1985:OOA**


**Dollan:1989:CSP**


**Delimitrou:2013:PQA**


**Delimitrou:2014:QRE**


**Delimitrou:2016:HRE**


**Delimitrou:2017:BKW**

REFERENCES

613, March 2017. CODEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic).

Dwarkadas:1993:ERC


[DKCZ93]

Dautenhahn:2015:NKO


[DKD+15]

Dalton:2007:RFI


[DKK07]

DeKruijf:2010:RAF


[dKNS10]

DeRosa:1987:EBA


[DL87]

Dubnicki:1992:ABS


[DL92]

delaChevallerie:2015:FLH

REFERENCES

5964 (print), 1943-5851 (electronic).


REFERENCES

ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


REFERENCES

Demme:2013:FOM


Duan:2013:WTM


Demme:2012:SCV


Dewan:1993:CUM


Dall:2014:KAD


Devietti:2011:RRC


Diep:1995:PEP

REFERENCES

Das:2013:CEP


Dasgupta:1982:TFL


deOliveira:2013:WYS


Dongarra:1983:PVC


Dongarra:1985:PVC


Dongarra:1988:PVC


Dongarra:1990:PVC

REFERENCES

1990. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Dongarra:1992:PVC


Doran:1975:ICL


Doran:1982:MFC


Dowd:1987:ERV


Dowd:1988:ERV


Dowd:1988:RVC


Dowd:1991:HP1


Dworak:1976:IIR

REFERENCES

ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


REFERENCES


REFERENCES


REFERENCES

198

URL http://portal.acm.org/toc.cfm?id=279358;
http://portal.acm.org/toc.cfm?id=285930. ACM Order
Number 414984. IEEE Computer Society Order Number
PR08491; IEEE Order Plan Catalog Number 98CB36235.

Rajagopalan Desikan, Simha Sethumadhavan, Doug Burger,
and Stephen W. Keckler. Scalable selective re-execution for
EDGE architectures. ACM SIGARCH Computer Archi-
CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Edward S. Davidson, Gurindar S. Sohl, Joseph A. Fisher, Greg
Grohoski, Yale Pratt, J. E. Smith, and David R. Stiles.
Better than one operation per clock (panel): vectors,
VLIW, and superscalar. ACM SIGARCH Computer Archi-
ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Malay Das, Amitabha Sinha, and Nishant Kumar Giri. High
speed residue number system (RNS) based FIR filter
using distributed arithmetic (DA). ACM SIGARCH Com-
puter Architecture News, 39 (5):1–4, December 2011. CO-
DEN CANED2. ISSN 0163-5964 (print), 1943-5851 (elec-
tronic).

A. L. Drapeau, K. W. Shirriff, J. H. Hartman, E. L. Miller,
S. Seshan, R. H. Katz, K. Lutz, D. A. Patterson,
E. K. Lee, P. M. Chen, and G. A. Gibson. RAID-
II: a high-bandwidth network file server. ACM SIGARCH
CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495
(IEEE).

Keisuke Dohi, Yuichiro Shibata, Tsuyoshi Hamada,
Tomonari Masada, Kiyoshi Oguri, and Duncan A. Buell.
Implementation of a programming environment with a
multithread model for reconfigurable systems. ACM
SIGARCH Computer Architecture News, 38(4):40–45,
September 2010. CODEN CANED2. ISSN 0163-5964
(ACM), 0884-7495 (IEEE).

Yasunori Dohi, Akira Suzuki, and Noriyuki Matsui. Hard-
ware sorter and its application to data base machine.
ACM SIGARCH Computer Architecture News, 10(3):218–
225, April 1982. CODEN
REFERENCES


REFERENCES

ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Ernst:2002:EDS


Espasa:2002:TVE


Elyasi:2017:EIR


Eberle:2002:MDC


Ebrahim:1996:P


Eeckhout:2004:CFM


Esmaeilzadeh:2011:DSE

REFERENCES

DEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic).

Emer:1984:CPP


Emer:1998:CPP


Emer:1998:RCP


Evers:1996:UHB


Esmailzadeh:2011:LBL


Ericsson:1983:LSM


Emer:1997:LDP


Egan:1982:EVC


Edler:1985:IRM


El-Halabi:1982:SRD


Ernst:2003:CBF


Lee:1989:MPC


Eijkhout:1990:IPP


Eickemeyer:1996:EMU

Richard J. Eickemeyer, Ross E. Johnson, Steven R. Kunkel,
REFERENCES


**Eggers:1988:CSP**


**Eggers:1989:ESC**


**Eggers:1989:EPF**


**El-Kharashi:2001:ATA**


**Ekanayake:2004:ULP**


**Edwards:1980:MGN**


**Ebrahim:2010:FST**

Eiman Ebrahim, Chang Joo Lee, Onur Mutlu, and Yale N. Patt. Fairness via source throttling: a configurable

**Ebrahimi:2011:PAS**


**Elkateeb:1989:PSR**


**Emma:2006:ESR**


**Hajj:2016:SPM**


**Eberle:1998:SQC**


**Ebeling:1984:DIV**


**Eickemeyer:1987:PEM**

REFERENCES


Estrin:2002:KAS


Eslami:2016:IOM


Ekman:2005:DLC


Felten:1996:EEM


Fuchs:1983:CED


Ferdman:2012:CCS

REFERENCES


Caned2. Issn 0163-5964 (ACM), 0884-7495 (IEEE).

Faraboschi:2000:LTP


Feiner:2012:CKI


Fields:2002:SMP


Farkas:1997:MSD


Fineberg:1992:SLT


Fagin:1987:PSP


Fiske:1988:RAP


Fenwick:1984:AOA

P. M. Fenwick. Addressing operations for automatic data structure accessing. ACM
REFERENCES


Foutris:2013:DMA


Ford:1976:HSI


Fusaoka:1982:CCH


Finkel:1988:YSM


Fritsch:1989:DSM


Fu:2011:ATM


Fineberg:1993:INA

REFERENCES


REFERENCES


Fournier:1976:SDG


Fuller:1976:IMS


Fortes:1984:DBL


Ferri:2007:HSF


Fong:2003:CAA


Forsell:1994:MMPa


Forsell:1994:MMPb

REFERENCES


REFERENCES

**Fu:1991:DPM**


**Fromm:1997:EEI**


**Farrens:1992:PTL**


**Flynn:1972:CAJ**


**Frietman:1987:EOD**


**Feitelson:1989:AMU**


**Franchi:1976:DFC**


**Frailey:1983:WLC**

Dennis J. Frailey. Word length of a computer architecture definitions and applica-
REFERENCES


Manoj Franklin and Gurindar Sohi. The expandable split

**Fritsch:1990:PBA**


**Fernandez:1976:ASS**


**Falcon:2004:PCH**


**Fujimoto:1988:DPS**

REFERENCES


[Ful93] Fuller:1993:BRP
REFERENCES


Gibson:1979:TOR


Gschwind:2001:OPE


Gunawi:2005:DCS


Gehringer:1988:SCP


Gordon:2012:EBM


Gaillat:1983:DPP


Galloway:1980:AIR


Gaillat:1983:DPP

Gandhi:2005:SLS

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Gass:1988:WRS

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Gaur:2016:BVC

CODEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic).

Gaudiot:1985:MHS

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Giloi:1974:SCC

W. K. Giloi and H. Berg.
CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Giloi:1983:HFD

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Ghosal:1987:AMA

D. Ghosal and L. N. Bhuyan.
CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Goldstein:2001:NSC

Seth Copen Goldstein and Mihai Budiu.
NanoFabrics: spatial computing using

**Gandhi:2014:BTI**


**Goiri:2015:ABA**


**Gehringer:1986:FOO**


**Ge:2017:GGC**

Xinyang Ge, Weidong Cui, and Trent Jaeger. GRIF-FIN: Guarding control flows using Intel processor trace.
REFERENCES


Mingyu Gao, Christina Delimitrou, Dimin Niu, Krishna T. Malladi, Hongzhong Zheng,


REFERENCES


**Ghosh:1988:CIM**


**Glew:1990:SCT**


**Gharachorloo:1998:RMC**


**Gupta:1991:CEL**


**Grot:2011:KNH**


**Gibson:1989:FCT**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Issue</th>
<th>Pages</th>
<th>Year</th>
<th>CODEN</th>
<th>ISSN (print)</th>
<th>ISSN (electronic)</th>
</tr>
</thead>
</table>
REFERENCES

Gehringer:1985:TAH

Grossman:2013:HFSF

Gajski:1983:CLS

Grunwald:1998:CES

Grosspietsch:1980:CTR
K. E. Grosspietsch, J. Kaiser, and E. Nett. A concept


REFERENCES

PR08491; IEEE Order Plan
Catalog Number 98CB36235.

Golla:1998:CEB

[GL98b] Prasad N. Golla and Eric C.
Lin. A comparison of the ef-
ficacy of branch prediction on
multithreaded and scalar ar-
chitectures. ACM SIGARCH
Computer Architecture News,
CODEN CANED2. ISSN
0163-5964 (ACM), 0884-7495
(IEEE).

Gross:1998:RRW

[GL98c] Thomas Gross and Monica
Lam. Retrospective: a ret-
rospective on the Warp ma-
hines. In ACM [ACM98a],
pages 45–47. ISBN 0-8186-
8491-7, 0-8186-8492-5, 0-8186-
8493-3. LCCN QA76.9.A73
S97 1998. URL http:///
portal.acm.org/toc.cfm?id=279358;
ACM Order Number 414984.
IEEE Computer Society Or-
der Number PR08491; IEEE
Order Plan Catalog Number
98CB36235.

Gunadi:2011:CCR

[GL11] Erika Gunadi and Mikko H.
Lipasti. CRIB: consolidated
rename, issue, and by-
pass. ACM SIGARCH
Computer Architecture News,
39 (3):23–32, June 2011. CO-
DEN CANED2. ISSN 0163-
5964 (print), 1943-5851 (elec-
tronic).

Gaudiot:1988:SPD

J. L. Gaudiot, C. M. Lin,
and M. Hosseiniyar. Solv-
ing partial differential equa-
tions in a data-driven multi-
processor environment. ACM
SIGARCH Computer Archi-
tecture News, 16(2):223–230,
ISSN 0163-5964 (ACM), 0884-
7495 (IEEE).

Gharachorloo:1990:MCE

[GLL+90] Kourosh Gharachorloo, Daniel
Lenoski, James Laudon,
Phillip Gibbons, Anoop Gupt,
and John Hennessy. Memory
consistency and event order-
ing in scalable shared-memory
multiprocessors. ACM SIGARCH
Computer Architecture News,
18(3a):15–26, June 1990.
CODEN CANED2. ISSN
0163-5964 (ACM), 0884-7495
(IEEE).

Gharachorloo:1998:MCE

[GLL+98] Kourosh Gharachorloo, Daniel
Lenoski, James Laudon,
Phillip Gibbons, Anoop Gupt,
and John Hennessy. Memory
consistency and event order-
ing in scalable shared-memory
multiprocessors. In ACM [ACM98a],
pages 376–387. ISBN 0-8186-8491-7,
0-8186-8492-5, 0-8186-8493-3.
URL http://portal.acm.
org/toc.cfm?id=279358;
ACM Order
REFERENCES


Khaled Abdel Ghaffar and Robert J. McEliece. Soft error correction for increased densities in VLSI memories.

ACM SIGARCH Computer Architecture News, 37 (1):1–12, March 2009. CODEN CANED2. ISSN 0163-
REFERENCES


REFERENCES


**Godard:2013:MSS**


**Gohringer:2014:RMS**


**Goldwasser:1984:GOD**


**Gonzalez:1977:BRR**


**Goodman:1983:UCM**


**Goodman:1987:CMV**


**Good:1988:SIC**


**Goodman:1988:RDR**

James R. Goodman. Reply to David R. Cheriton’s, Pat Boyle’s, and Gert A. Slavenburg’s “Comments on ‘Coherency for multiprocessor vir-
REFERENCES


Goodman:1998:RUC


Goodman:1998:UCM


Gorsline:1983:RAC


Gottlieb:1998:RPR


Gouda:1978:HCC


Gove:2007:CWS

Darryl Gove. CPU2006 working set size. ACM SIGARCH
REFERENCES


[Garth:1988:ISN]

[Gschwind:1995:VP]

[Gordenstam:2008:LLF]

[Giefers:2013:AFD]

[Gomez:2002:ASA]

REFERENCES

Gomaa:2004:HRL


Gao:2017:TSE


Graham:1984:PAS


Grabienski:1991:FFS


Ganapathy:2008:DIM


Guha:1987:AID


Garg:2006:SMD


Griffin:1988:UUR

Glenn W. Griffin. The ultimate ultimate RISC. *ACM
REFERENCES


**Gonzalez-Rubio:1984:SFP**


**Goldstein:1974:MOR**


**Guillier:1980:ACF**


**Grahn:1995:ESS**


**Gove:2007:ECB**


**Giri:2012:FIN**


**Guo:2016:HDI**

Gurumurthi:2003:DDS


Gope:2017:ASS


Goldstein:1999:PCP


Goldmakher:2006:ILG


Gurumurthi:2005:DDR


Ghandeharizadeh:1993:OTS


Gao:2005:AAL

[GSS05] Xiaofeng Gao, Beth Simon, and Allan Snively. ALITER: an asynchronous lightweight instrumentation tool for event...
REFERENCES


Ghosh:2012:FPR


Ghosh:2012:NAF


Gharachorloo:2000:ADA


Ghovanian:2011:BLT


Gomaa:2003:TFR


Gallivan:1990:SGS


Gordon:2006:ECG

Michael I. Gordon, William Thies, and Saman Amaran-

**Ghosal:1989:ACC**


**Goodman:1985:PVD**


**Gordon:2002:SCC**


**Guo:2013:CAS**


**Gidra:2015:NGC**


**Gidra:2013:SSS**

REFERENCES

[102x681] REFERENCES

5964 (print), 1943-5851 (electronic).


REFERENCES

Gerasoulis:1990:CTG

Gentleman:1973:TC

Goodman:1988:WMN

Gibson:2010:FSC

Grewal:2003:EAC

Govindan:2012:LSE

Greathouse:2012:CUW
REFERENCES


**Gu:2016:BFN**


**Guha:2013:SEW**


**Hudak:1990:CTD**


**Hughes:2004:FAF**

Huang:2017:PSA


Haikala:1984:CHRa


Hansen:1978:MAC


Halstead:1987:OCM


Hara:1996:PCI

Hari:2012:REA


Halstead:1986:CDM


Hartenstein:1973:IHC


Hartenstein:1974:LM1


Harvill:1978:FPO


Harbison:1982:AAO


Harland:1986:RMT


Harper:1991:RMC

Hoseinzadeh:2014:RAL

Haynes:1977:AAC

Harland:1986:MOO

Hsu:1990:PMT

Hunt:2013:DTN

Heo:2002:DFG

Hong:2013:RTR
Hrishikesh:2002:OLD


Hashmi:2011:AAF


Horst:1985:AHV


Hwu:1988:EPM


Hwu:1989:AHI


Hwang:1999:SSI


Heinrich:2003:OWA


Hauswirth:2004:LOM

[HC04] Matthias Hauswirth and Trishul M. Chilimbi. Low-overhead memory leak detection using adaptive sta-
REFERENCES


Hasan:2006:CSE


Hmid:2015:TAR


Hong:2012:GMD


Hasan:2003:EUM


Hammond:2004:PTC


Hormati:2010:MMS


Hammerstrom:1977:ICC

REFERENCES

0163-5964 (ACM), 0884-7495 (IEEE).

[Hsu:1986:HCS]

[Hofmann:2011:EOS]

[Hwang:1990:ORB]

[Huang:2010:OES]

[Healy:1976:COC]

[Heath:1984:RER]
Hsieh:2016:TOM


Hennessy:1998:RED


Henning:2006:SCB


Henning:2007:SCM

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Reference</th>
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<th>Pages</th>
<th>Year</th>
<th>ISBN</th>
<th>ISSN</th>
</tr>
</thead>
</table>
REFERENCES


Hawakami:1986:SDS

Hum:1988:SWF

Hakura:1997:DAC

Herrero:2010:ECC

Hughes:2007:PSA

Huang:2016:EAA

Hines:2005:IPE
Stephen Hines, Joshua Green, Gary Tyson, and David Whalley. Improving program efficiency by packing instruc-

[Huck:1993:AST]


[Hower:2008:REE]


[Hayashi:1983:AHP]


[Hower:2014:HRF]


[Haque:2015:FMI]


[Horst:1990:MII]

REFERENCES

Huang:2016:DLN


Huang:2013:NRC


Horie:1993:IAP


Hibino:1980:PPG


Hicks:1976:GQS


Hicks:1977:MCA


Hicks:1977:MPS


Hicks:2017:CAS

REFERENCES

May 2017. CODEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic).


Huggahalli:2005:DCA


Harper:1986:PEV


Harper:1987:PER


Hopper:1989:MVW


Han:2016:IMD


Hill:2000:RCA

REFERENCES

Hsiao:1977:ADC

Hsiao:1977:ADC

Hsu:1989:AGU

Hsu:1989:HMP

Hsu:1989:LCF

Hsu:1990:CFO

Hong:2009:AMG

Hong:2010:IGP

Hughes:2001:VEM
Christopher J. Hughes, Praful Kaul, Sarita V. Adve, Rohit Jain, Chanik Park, and Jayanth Srinivasan. Variability in the execution of multimedia applications and implications for architecture. *ACM
REFERENCES


Hofmann:2013:ISA


Hashemi:2016:ADC


Hercksen:1980:HMS


ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Henry:2000:CWW


Hu:2002:TMS


Hirata:1992:EPA

Hidaka:1993:MTC


Huguet:1985:RRF


Harper:1989:DSS


Herbordt:2015:LLG


Hill:1993:WAR


Hansen:1982:PEI


Han:2016:EEI


REFERENCES


REFERENCES

Hoffmann:1980:HIC


Hoogendoorn:1977:RMI


Hollaar:1983:BRR


Holliday:1989:RHP


Homoines:1982:HSC


Hwu:1986:HHP


Hwu:1987:CRO


Hwu:1998:HHP

[HP98] Wen-Wei Hwu and Yale N. Patt. HPSm, a high performance restricted data flow architecture having minimal functionality. In ACM [ACM98a], pages 300–308.
REFERENCES

Hartstein:2002:OPD


Hong:1986:GAS


Heckey:2015:CMC


Hayes:2016:FVM


Hameed:2010:USI


Hutchison:1978:MM

Hall:1991:VVA


Hallnor:2000:FAS


Hilton:2007:GCI


Hilton:2009:DSC


Houstis:1990:ENS


Hsu:1985:TST


Huang:2003:PAP

REFERENCES

Hofmann:2009:MBM


Hemphill:1973:DDG


Huen:1974:IPR


Harris:1977:HMO


Hamacher:1980:PCF


Hill:1984:EEC


Hasegawa:1985:HST


Hitchcock:1985:AMR

REFERENCES


Hurson:1985:SMU


Hasegawa:1986:FFT


Ho:1990:BAD


Hsu:1993:PCD


Hilgendorf:2001:ITE


Hu:2006:RST


Huang:2010:ICM


Hechtman:2013:EMC


REFERENCES


REFERENCES

Honarmand:2014:RDL

Ha:2008:NBP

Harris:2010:DFM

Hempstead:2005:ULP

Hayashi:2015:LRO

Hu:1985:DAE

Huguet:1982:PPS

Hummel:1996:EDS
[Hum96] Susan Flynn Hummel. Efficient data sharing with condi-
REFERENCES


REFERENCES

Herbordt:1991:MPA


Hammond:2004:TMC


Hayashizaki:2011:IPT


Hu:1997:OES


Hyatt:1993:HPO

REFERENCES

Ho:1995:AVP


Iannucci:1994:AII


Iannucci:1988:TDN


Ipek:2010:DRM


Ibbett:1985:MPV


IEEE:1976:CPA


IEEE:1977:CPA


IEEE:1979:CPA


IEEE:2003:PAI


IEEE:2003:PAI


IEEE:1994:PAI


IEEE:1999:PIS

IEEE:1994:PAI


IEEE:1994:PAI
IEEE:2005:ISC


IEEE:2006:ISC


Irwin:1980:OPS


Ibbett:1989:AMS


Izraelevitz:2016:FAP


Ipek:2007:CFA


Iliffe:1987:FLM

Iyer:2002:PPE

Ipek:2006:EEA

Isci:2013:AEV

Ipek:2008:SOM

Inoue:2005:EST

Isailovic:2006:INS

Irwin:1986:STR
Mary Jane Irwin. Secretary/treasurer’s Report. *ACM*
IRWIN:2010:SCM

INTRATER:1992:PED

ISAACSON:1974:PSP

IRIE:2007:PTE

IYER:2004:ESI

ITO:1986:APE

IFTODE:1996:UAP
REFERENCES


Ishikawa:1984:DOO


Inoue:1993:PEV


Ivanovic:1991:BRC


Isailovic:2008:RQC


Jones:2006:GMB


Jagannathan:1980:TAI


Jain:1982:DPT

REFERENCES


**References**

**Jensen:1974:DFC**


**Jennings:1978:VP**


**Joseph:1997:PUM**


**Joe:1994:EMO**


**JHK**


**Jimenez:2005:PLB**


**Jensen:1977:HMM**

REFERENCES


José A. Joao, Onur Mutlu, and Yale N. Patt. Flexible reference-counting-based hardware acceleration for garbage collection. ACM
REFERENCES


Johnson:1997:RTA


Jesshope:1989:HPC


Jaleel:2012:CCR


Joerg:1990:SPN


Johnson:1982:SRA


Johnson:1988:CMM


Johnson:1989:WSP


Johnson:1991:CRB

Douglas Johnson. The case for a read barrier. ACM
REFERENCES


Johnson:1992:ICL


Johnson:1995:GMW


Johnson:2004:MFS


Jones:1982:SPM


Jones:1983:PM


Jones:1988:MC


Jones:1988:RCR


Jones:1988:UR


Jonsson:2008:SSE

Bengt Jonsson. State-space exploration for concurrent algorithms under weak memory orderings: (preliminary

**Jordan:1983:PMH**


**Jouppi:1988:SVS**


**Jouppi:1989:AOT**


**Jouppi:1990:IDM**


**Jouppi:1993:CWP**


**Jouppi:1998:IDM**


**Jouppi:1998:RID**

REFERENCES

Juang:2002:EEC

Jerger:2008:VCT

Joldes:2014:SSH

Jordan:1973:SDS

Jiang:1988:PMB

Jiang:1999:SAP
Jacobson:2000:TP


Johnson:2010:DCM


Jevdjic:2017:ASC


Jourdan:1995:ECF


Jing:2013:EES


Joao:2012:BIS


Joao:2013:UBA


Juan:1998:DHL

Toni Juan, Sanji Sanjeevan, and Juan J. Navarro. Dynamic history-length fitting: a third


Jain:1995:AAE

Jokinen:1997:CDP

Jung:2012:PAQ

Jouppi:2017:DPA


---

Krishnaswamy:1988:ALC


Kundu:2004:CSI


Kane:1974:ISI


Kannan:2011:ARH

Kaplan:1987:LLG


Karger:1989:URO


Kerner:1976:PLL


Kavi:1980:SA


Kavi:1981:IAC


Katz:1989:PHP


Kavi:1980:SA


Kavi:1981:IAC

Kumar:1980:SLC


Kaushal:1992:CHH


Kavi:1982:HAP


Kubiatowicz:2000:OAG


Kudrow:2013:QRC


Kagi:1997:ESL


Kateja:2017:VDB

REFERENCES

ISSN 0163-5964 (print), 1943-5851 (electronic).

**Krashinsky:2004:VTA**


**Kim:2002:ANU**


**Kravitz:1989:LSM**


**Kavi:1984:MRD**


**King:1974:ODS**


**Knott:1982:FDA**


**Karamcheti:1995:CAS**

Kim:1996:RCQ


Keen:2002:HSC


Kaeli:2005:WIS


Kinsy:2009:AAD


Keleher:1992:LRC


Krimer:2012:LDI


Korn:2007:SCS


Keckler:1992:PCI

Stephen W. Keckler and William J. Dally. Processor coupling: integrating com-


Kim:2008:PCN


Kirovski:2002:ETS


Koeplinger:2016:AGE


Kgil:2006:PUS


Kim:2008:TDH


Kakimoto:2012:PCG


Kim:2005:MHR

[KDTG05] John Kim, William J. Dally, Brian Towles, and Amit K. Gupta. Microarchitecture of a high-radix router. ACM SIGARCH Computer Archi-
REFERENCES


Koldinger:1991:VTD


Keppel:1991:PIF


Kerr:1974:MPI


Katz:1985:ICC


Kgil:2005:CSS


Kondo:2002:SCC

REFERENCES

Kaliorakis:2017:MED

Kolli:2017:LLP

Khalid:1995:TDS

Khalid:1995:URA
REFERENCES

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


Kurian:1992:MLE


Kurian:1991:CPE


Kaxiras:2001:CDE


Kumar:2007:CAS


Kavi:1995:DCM


Kontothanassis:1997:VBS

Leonidas Kontothanassis, Galen Hunt, Robert Stets, Nikolaos Hardavellas, Michal Cierniak,


an architecture and scalable programming interface for a 1000-core accelerator. 

**Kessler:1989:IIS**


**Kim:2007:VPR**


**Kharbutli:2006:CEP**


**Kelm:2010:CHM**


**Kavi:1984:AQ**


**Kalamatianos:1999:IAI**


**Kessler:2008:OCP**

Christoph W. Kessler and Jörg Keller. Optimized on-chip pipelining of memory-

Kim:2016:NEN  


Keown:1992:PHR  


Kim:2016:SCD  


Kim:2016:NPD  


Kurian:2013:LAA  


Kim:2013:DBC  

Kuznia:1976:SSM


Kim:2017:TAA


Kawahito:2006:NIR


Kwon:2011:VPA


Kawahito:2000:ENP


Kwon:2014:LOC


Kumar:2008:AVO

Sanjeev Kumar, Daehyun Kim, Mikhail Smelyanskiy, Yen-Kuang Chen, Jatin Chughani.


REFERENCES

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Kirner:1986:DDS


Kirman:2010:PEA


Koibuchi:2012:CRS


Kiyohara:1993:RCN


Kohler:2002:PLO


Kamiya:1985:HPA


Kobayashi:2016:HSV

Ryohei Kobayashi, Tomohiro Misono, and Kenji Kise.

Kuperman:2016:PR


Kim:2007:AIB


Koka:2012:MAA


Kuga:1991:DDH


Kumar:2012:NLT

Shiv Kumar, Seshadri Krishna Murthy, G. Varapradas, and S. Sivasathya. Network load and traffic pattern on the capacity of wireless ad hoc

Knight:1991:TLL


Knoke:1973:SEC


Kim:2006:GDE


Kim:2007:NDD


Kyo:2005:IMA


Kayaalp:2012:BRL


Kogge:1988:VRB

REFERENCES

Kogge:1973:MRP

Kogge:1977:MPP

Kuskin:1998:SFM

Kamibayashi:1982:HOS

Kornerup:1974:CMS
REFERENCES

Koo:2017:APA


Kozyrakis:2003:OLC


Kumar:2005:TDD


Klauser:1998:SEE


Kwon:1996:COR


Keeton:1998:PCQ


Kim:1989:PLS


Klappholz:1990:PAA

David Klappholz, Kleanthis Psarris, and Xiangyun Kong. On the perfect accuracy of an

Kumar:2007:EVC


Kulkarni:2008:OPB


Kaufmann:2016:HPP


Kolli:2016:HPT


Kuhl:1980:DFT


Kumar:1985:APM


Kumar:1985:DAF

REFERENCES


Kadav:2013:FGF


Kawakami:1984:SPL


Kruskal:1984:IBS


Kunkel:1986:OPS


Konstantinidou:1991:CRP


Konstantinidou:1991:CRA


Kontothanassis:1995:ESM


Kim:1999:AEA

Seongwoo Kim and Arun K. Somani. Area efficient architectures for information integrity in cache memories.
Kandiraju:2002:GDT


Kim:2002:ISM


Karkhanis:2004:FOS


Karkhanis:2007:ADA


Kadav:2012:UMD


Kasture:2014:UEC


Koushiro:2003:TLV


Kim:2016:BPC

[KSCE16] Jungrae Kim, Michael Sullivan, Esha Choukse, and


REFERENCES


Barbara Kreaseck, Dean Tullsen, and Brad Calder.

Kim:2017:KPC


Kondo:1986:PMA


Kambadur:2012:HCA


Kagimasa:1991:ASM


Kinoshita:2012:ARS


Kumar:2004:SIH

DEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Kim:2013:MME


Kuhn:1980:EMA


Kumar:1987:ESA


Kung:1986:MRB


Kung:1988:DAS


Kuskin:1998:RSF


King:1984:CSA

Kumar:1998:ESL


Kubota:2011:MWS


Kang:2013:HPP


Karne:2008:OSC


Khatamifard:2017:TTA


Kanev:2017:MAM


Kim:2002:DEC

Kishi:1983:DDD


Kontorinis:2012:MDU


Kasikci:2012:DRV


Kumar:2005:IMC


Khazraee:2017:MNO


Lee:2011:ETB


Li:2008:OEA

REFERENCES

[330]


REFERENCES

December 1973. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


REFERENCES


Dennis Lee, Jean-Loup Baer, Brad Calder, and Dirk Grunwald. Instruction cache fetch...

**Lo:1998:ADW**


**Ling:2012:HPP**


**Lewis:2002:AIM**


**Li:2006:MEM**


**Levy:1982:UBM**


**Lovett:1996:SCN**


**Levis:2002:MTV**

REFERENCES

Lucia:2013:CEF

Lee:1998:ECD

Lai:1992:EBS

Li:2017:SSA

Lie:2001:SME

Lo:2014:TEP
Liu:2015:PPM


Lin:2016:SKT


Lucia:2010:CES


Luciad:2008:MPM

Liu:2014:SRJ


Lucia:2008:AAD


Liu:2016:CIS


Lechner:1974:SED


Lee:1972:MNC


Lee:1973:VDS


Lee:1985:DMR


Lee:1985:HSC


Lun:2003:OOP


Lebeck:2000:PAP


Lumb:2004:DSD


Laudon:1992:AIT


Lupon:2014:SHS


Lang:1986:RRS


Lee:1986:ESG

Louri:1988:BPA

[102x681] REFERENCES
[102x681]340

Louri:1988:BPA


Leng:2013:GEE


LiKamWa:2016:RAC

[102x681] REFERENCES
[102x681]340


Landin:1991:RFI


Litaize:1989:MSM

[102x681] REFERENCES
[102x681]340

[102x681] REFERENCES
[102x681]340


Liu:2015:GHS


Levinthal:1987:PCG

Adam Levinthal, Pat Hanrahan, Mike Paquette, and Jim Lawson. Parallel computers for graphics applications. ACM SIGARCH Com-


Lipovski:1978:JFM


Lipovski:1978:SPI


Lippmann:1988:ICN


Lipovski:1998:RBN


Litchfield:1994:IES


Love:1990:ISV


Liaqat:2016:SEE


Lin:2016:FHL

[LJF+16] Colin Yu Lin, Zhenghong Jiang, Cheng Fu, Hayden Kwok-Hay So, and Haigang

Liu:2013:ESD

Li:2002:UIO

Lee:1991:FPP

Lee:1991:PCP

Lee:2010:DGV
REFERENCES

460, June 2010. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Lotfi-Kamran:2012:SP


Lebeck:2002:LFI


Lee:2005:APC


[LL98] Daniel E. Lenoski and James P. Laudon. Retrospective: The


Lei Liu, Yong Li, Zehan Cui, Yungang Bao, Mingyu Chen,

**Lee:1994:RCC**


**Li:2004:PDE**


**Li:2017:API**


**Lun:2003:MMO**


**Lenoski:1990:DBC**


**Lenoski:1992:DP1**

REFERENCES

Lenoski:1998:DPI

Liu:2017:DAD

Liu:2017:ITN

Lin:1982:DFT

Lee:1984:PAC
REFERENCES

Lin:2006:SLP


Liu:2013:CTP


Lawson:1974:ASH


Luk:1999:MFE


Lipasti:2004:PRI


Leung:1976:CSF

Clement K. C. Leung, David P. Misunas, Andrij Nczwid, and Jack B. Dennis. A computer...


Vitaliy B. Lvin, Gene Novark, Emery D. Berger, and Benjamin G. Zorn. Archipelago: trading address space for reliability and security. *ACM SIGARCH Computer Ar-
REFERENCES


[Kai Li and Karin Petersen. Evaluation of memory system

**Lampson:1998:PHP**


**Luo:2009:DPT**


**Liu:2011:FSD**


**Lu:2008:LMC**


**Li:2012:ICO**


**Liu:1977:MCP**

REFERENCES

200, March 1977. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


REFERENCES


**Lin:2012:EED**


**Lashgar:2015:CSR**


**Lundvall:2008:APS**


**Li:2017:LAC**


**Lustig:2016:CVM**


**Lowell:2004:DVM**

Laurenzano:2005:LCT


Liu:2014:NDU


Lu:2006:ADA


Luk:2001:TML


Lunde:1975:MDW


Lundstrom:1985:DCH


Lipovski:1988:FOI

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Manjikian:2001:MESb


Manjikian:2001:ESa


Marvel:1973:HHA


Marvel:1974:SSP


Markenscoff:1982:MPS


Marovac:1983:IID


Marovac:1983:SAD


Mark:1985:SCF


Maren:1988:CRI

REFERENCES

Margolus:2000:EDA

Massalin:1987:SLS

Mashey:1996:AP

Mashey:2004:WBM

Mashey:2004:AP

Matelan:1985:FM

Matthes:1990:HRG
Mayer:1982:ABB


Matthes:1991:HMO


Myers:1980:HIC


Mogul:1991:ECS

Muralimanohar:2007:IDC


Mittal:2013:EVE


Min:1990:ECS


Moch:2004:HSM


Mizrahi:1989:IMS


Moravan:2006:SNT


Martin:1989:FAM

REFERENCES

Mukkara:2016:WID


Moshovos:1997:DSS


Min:1991:ECB


Michael:1992:FMB


Menon:1993:AFT


McDonald:2006:ASP


Mishra:2006:TES

REFERENCES


REFERENCES


Mellor-Crummey:1989:SIC

MCGL17

Mcl90

McL91

MCMahan:2017:ASF

MCK74

Mcl90

Mcl91

MCK16
REFERENCES


REFERENCES

Martin:2012:TRT


Menon:2012:IES


Matsunobu:2011:DCE


Mountain:1978:AMC


Mefenza:2015:IBM


Melhem:1985:LSS


Malik:1992:ILP

REFERENCES

September 1992. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Mulder:1976:MOD


McCurdy:2005:UPM


Mukherjee:1996:CNI


Murakami:1988:OKU


Morris:1991:CER


Morin:1996:COB


Maquelin:1996:PWC

REFERENCES

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Mashtizadeh:2017:TPD


Meisner:2009:PES


McFarling:1986:RCB


Mukherjee:1998:UPA


Marty:2007:VHS


Mahram:2013:NBC


Mukundan:2013:UMR


Montesinos:2009:CSH

Pablo Montesinos, Matthew Hicks, Samuel T. King, and Josep Torrellas. Capo:

Mahlke:1995:CFP


Michael:1992:DBC


Middelburg:1982:EPA


Miller:1977:BRRb
REFERENCES

**Miller:1977:BRR**


**Miller:1982:HMD**


**Mills:1987:CGR**


**Morisita:2010:IEA**


**Murakami:1989:SSI**


**Miya:1985:MDP**


**Moskowitz:1989:AMM**

Mirghafori:1995:TSB


Ma:2011:DER


Ma:1984:ARS


Moffie:2005:AAS


Meyer:2011:MRP


Mars:2012:BDS


Manne:1998:PGS

REFERENCES


Ma:2011:SPC


Malladi:2012:TEP


Mudge:1982:PAC


Marczynski:1983:DDS


Moore:1987:BDN


Menon:1992:CSA


Mutlu:2008:PAB

Moscibroda:2009:CBR

Mondal:2014:DSM

Morishima:2014:PEG

Mesa-Martinez:2010:CPT

Mysore:2008:UVF

Milenkovic:2005:UID

Mesa-Martinez:2007:PMV

Martignoni:2012:PEL

Madhavapeddy:2013:ULO


Mytkowicz:2014:DPF


Markuze:2016:TIP


Michael:1997:CCA


Mitsuishi:2014:ABF


Moto-oka:1983:OFG

REFERENCES

Moon:1985:AS


Moshovos:2005:REC


Moudgill:1998:TFS


Malkawi:1986:PMP


Melvin:1991:EFG


Malik:2012:ERA


Mai:2000:SMM


Muthukaruppan:2014:PTB

[MPM14] Thamirmalai Somu Muthukaruppan, Anuj Pathania, and

McCune:2008:HLC


Magenheimer:1987:IMD


Mendelson:1989:SCC


Muldor:1989:AFA


Monchiero:2006:EST

Matteo Monchiero, Gianluca Palermo, Cristina Silvano, and Oreste Villa. An efficient synchronization technique for
REFERENCES


Robert J. McMillen and Howard Jay Siegel. MIMD machine communication using the augmented data manipulator network. *ACM
McMillen:1982:PFT


Moeller:1984:PPP


Mendelson:1987:MDF


Meixner:2005:DVS


Miyoshi:2007:FGC


Mukherjee:2010:NAC


Maitra:2012:NAC

Maitra:2013:DSM

Maitra:2013:HEM

Maitra:2013:HPM

Matveev:2015:RHN

Martin:2000:TSA

Mangione-Smith:1991:VRD

Mukherjee:2002:CSA
REFERENCES

234, December 2002. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


REFERENCES


Malita:2007:MMC


Michaud:1997:TCC


Menon:2009:TSA


Mehrotra:1984:STD


Martin:1997:SCM


Martinez:2002:SSA


Mars:2013:WMH


Minh:2007:EHT


Merten:1999:HDP


Merten:2000:HMD


Miller:2012:VCE


Meng:2010:DWS


Momeni:2015:EEO

REFERENCES

5964 (print), 1943-5851 (electronic).

McFarlin:2013:DDO


Mudge:1980:BRR


Mudge:1996:RPH


Mukherjee:1997:WSG


Mulder:1989:DBR


Musoll:2009:LSO


[MZW15] Nikita Mishra, Huazhe Zhang, John D. Lafferty, and Henry

Morioka:1989:EMS


Myers:1977:CAS


Mahajan:2016:TSG


Mishra:2015:PGM

Nikita Mishra, Huazhe Zhang, John D. Lafferty, and Henry

Norton:1983:AIM

Nikolopoulos:2001:EMA

Naderi:1988:MPEa

Naderi:1988:MPEb

Nakajima:2001:MCS

Napolitano:1986:CAD
Najaf-abadi:2007:ACE

Nowatzyk:1995:CNW

Naeem:2009:SRC

Novakovic:2014:SN

Neelakantam:2010:RSE

Nair:2012:FOM

Newman:1992:MMSb
Newman:1992:MMSa


Nakra:1999:VPV


Ng:1994:CDA


Nair:1997:EIL


Nagarajan:2009:EEC


Narayanan:2012:WSP


Nowatzki:2017:SDA


Nalli:2017:APM

REFERENCES


Ng:1988:TOB


Nesbit:2007:VPC


Navarro:1986:CSI


Najjar:1992:ALL


Nanda:2000:MPR


Nakaya:2012:NVR


Nomura:2014:PAM

REFERENCES

5964 (print), 1943-5851 (electronic).

Nuno-Maganda:2010:TCH


Nagarakatte:2012:WHS


Nakahara:2016:FCS


Nakahara:2012:WFF


Nakahima:1991:OVS


Nagashima:1990:IFA

Nayfeh:1994:EDS

Nishimura:1983:LPP

Nanba:1985:VAV

Nowak:1987:SGP

Noor:1990:SLS

Nowatzyk:1995:CRD

Nguyen:2011:SCS


REFERENCES


global memory and network
contention, operating system
and parallelization overheads.
*ACM SIGARCH Computer
Architecture News*, 22(2):71–
80, April 1994. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

[NUS+93]
David Nagle, Richard Uhlig,
Tim Stanley, Stuart Sechrest,
Trevor Mudge, and Richard
Brown. Design tradeoffs
for software-managed TLBs.
*ACM SIGARCH Computer
Architecture News*, 21(2):27–
38, May 1993. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

[Nutt77]
Gary J. Nutt. Microprocessor
implementation of a parallel
processor. *ACM SIGARCH
Computer Architecture News*,

[Nguyen:2015:FCR]
Khanh Nguyen, Kai Wang,
Yingyi Bu, Lu Fang, Jianfei Hu, and Guoqing Xu.
FACADE: a compiler and
runtime for (almost) object-bounded big data applications. *ACM SIGARCH Computer

[NWDB+15]
Michael D. Noakes, Deborah A. Wallach, and William J.
REFERENCES


**Nunez-Yanez:2014:EER**


**Ng:2012:STT**


**Nazhandali:2005:EOS**


**Zhang:1984:MDS**


**Owicki:1989:EPS**


**Ottoni:2008:COG**


**Olszewski:2009:KED**

Marek Olszewski, Jason Ansel, and Saman Amarasinghe.

**Orr:2014:FGT**


**Otis:1978:ERD**


**Oudjida:2012:NHR**


**Oskin:2003:BQW**


**Oskin:2000:HCS**


**Oyang:1990:CEA**

Oskin:1998:APC


Orr:2015:SUR


Olson:2016:PDW


Ogawa:2013:RJA


Oh:2013:PAL


Ogata:2002:BFO

REFERENCES


OKrafka:1990:EET


Odaira:2012:COA


Oh:2011:TSM


Oehlrich:1991:PEC


Oliver:2004:SMC


Oberoi:2003:PFE


Okina:2015:PPP

Omote:2015:IAE


O:2014:RBD


Osln:1989:DAP


Omohundro:1973:FFC


Onaga:1986:DRA


Ohkawa:2013:RHO


Oyang:1990:EEA

REFERENCE

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

**Oyang:1989:MCA**


**Ozdal:2016:EEA**


**Olszewski:2012:AAS**


**Ozturk:2015:ASC**


**Parhami:1973:DFT**


**Pucci:1988:OCE**


**Pan:2005:CPE**

REFERENCES

Pangracious:2016:NTD


Palmer:1980:IND


Park:2016:ATC


Parnas:1975:ECA


Parhami:1988:BRM


Parhami:1988:DFV


Parhami:1990:BRA


Parhami:1995:SMD

Behrooz Parhami. SIMD machines: do they have a significant future? ACM SIGARCH Computer Architecture News,
REFERENCES


Mary Payne and Dileep Bhandroidkar. VAX floating point:

**Premkumar:1982:RAR**


**Park:2013:RCH**


**Park:1983:FDB**


**Powell:2009:ACS**


**Porter:2011:RLT**


**Park:1990:ISF**


**Papadopoulos:1990:MET**

REFERENCES


REFERENCES

Pollack:1982:SAM

Paek:2010:BAU

Pelley:2014:MP

Patel:1976:ITP

Patterson:1980:CRI

Patel:1998:ITP

Pang:2015:MLL
Jun Pang, Chris Dwyer, and Alvin R. Lebeck. More is less,

**Pokam:2013:QPI**


**Putnam:2009:PPC**


**Park:2008:MML**


**Penn:1988:PSI**


**Patel:1998:ITC**


**Peskin:1974:CAD**

REFERENCES


REFERENCES

Petit:2000:LSE

Postiff:1999:LIL

Pajuelo:2002:SDV

Pajuelo:2005:SEH

Puente:2004:ICR

Preiss:1985:DFQ

Preiss:1988:CBM

Pnevmatikatos:1990:CPI
Dionisios N. Pnevmatikatos and Mark D. Hill. Cache performance of the integer

**Pichai:2014:ASA**


**Prybylski:1988:PTC**


**Prybylski:1989:CPO**


**Park:2016:ESFa**


**Park:2016:ESFb**


**Philipson:1984:VBD**


**Park:2017:HTC**

Chang Hyun Park, Taekyung Heo, Jungi Jeong, and Jaehyuk Huh. Hybrid TLB

**Petrica:2013:FDA**


**Pier:1983:RDH**


**Pier:1998:RPH**


**Patwardhan:2006:DTS**


**Phansalkar:2007:ARA**


**Phansalkar:2007:SSC**

Palacharla:1997:CES


Palacharla:1994:ESB


Prabhakar:2016:GCH


Pan:2009:FIF


Poe:2006:BBS


Park:2009:CEA


Patel:2017:RPR

REFERENCES

Park:1992:CRS


Pell:2011:SEF


Paul:2013:CBN


Paez-Monzon:1996:RPD


Pelley:2010:PRD


Parker:1977:HST


Page:1988:FAH


Philipson:1983:CSM

[PNB83] Lars Philipson, Bo Nilsson, and Bjorn Breidegard. A


Björn Pehrson and Joachim Parrow. Caddie an interactive design environment.


**Pitsianis:2003:IVM**


**Parashar:2013:TIC**


**Park:2015:CCP**


**Park:2017:DRM**


**Purnaprajna:2009:RTR**


**Pulido:1996:ETT**

Paolieri:2009:HSW


PQNT16


Pramanik:1982:DF


Pai:1997:RRS


Price:1991:TAD

Parashar:2017:SAC


Przybylski:1990:PIB


Peuto:1977:ITM


Pleszkun:1988:PPM


Pnevmatikatos:1994:GEB


Patterson:1998:RRR


Patterson:1998:RRI

REFERENCES


[PS98c] Putnam:2010:DVE


[PSB10] Parashar:2006:SSB
Park:2012:SDE


Petric:2005:RRB


Plotkin:1983:TSA


Pleszkun:1986:AEL


Papadopoulos:1991:MRV


Prvulovic:2003:RUT


Pritchett:2010:SHS


Phothilimthana:2016:SS

[PTBD16] Phitchaya Mangpo Phothilimthana, Aditya Thakur, Rastislav Bodik, and Dinakar Dhurjati. Scaling up superopti-

Pai:2013:IGC


Palix:2011:FLT


Powell:2003:PDM


Powers:2017:BBG


Paalvast:1990:MPP

REFERENCES


Moinuddin K. Qureshi, Michele Franceschini, Ashish Jagmohan, and Luis A. Lastras. PReSET: improving performance of phase change memories by

Qureshi:2010:MMS


Qadeer:2013:CEB


Qureshi:2007:AIP


Quammen:1991:FRM


Quammen:1989:RWA


Qian:2014:PRR

Xuehai Qian, Benjamin Sadlelices, and Depei Qian. Pacifier: record and replay for relaxed-consistency multiprocessors
REFERENCES

Qureshi:2009:SHP

Qureshi:2005:VWC

Qian:2013:VSP

Quick:1979:IMP

Quinton:1984:ASS

Quong:1994:ECM
REFERENCES

CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


Randell:1985:HST


Rao:1984:JEE


Rattner:1982:HSC


Rattner:1985:CMT


Rudd:1984:HPF


Reddy:1989:SPD


Reddy:1990:SBP

References


[RBIV07] Ryan Rakvic, Bryan Black, and John Paul Shen. Completion time multiple branch prediction for enhancing trace cache performance. *ACM
REFERENCES


Rattner:1980:OBC

Ramamoorthy:1991:BMC

Ros:2017:NSL

Reddi:2005:PDC

Radojko:2012:OTA

Reis:2005:DEH
CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


Ryoo:2017:RTD


Rajwar:2005:VTM


Rajbhandari:2017:OCM


Rexford:1996:RAR


Rannem:1974:RSC


Riad:1980:CFC


Richards:1980:CE


Ridoux:1987:DSM

[Rid87] O. Ridoux. Deterministic and stochastic modeling of parallel garbage collection: towards real-time criteria. ACM
REFERENCES


REFERENCES

December 1974. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


Reames:1976:DSD


Reames:1974:LNS


Ribic:2014:EEW


Reddi:2010:WSU


Ren:2017:SDH


Ranganathan:2006:ELP
REFERENCES

ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Romanescu:2010:SDV


Reinhardt:1994:TTU


Reinhardt:1998:RTT


Reinhardt:1998:TFD


Ravi:1977:HMS

REFERENCES


[Rou86] Larry O’Neal Rouse. The twisted double helix: a minimum distance architecture

**Ram:1985:PGC**


**Rao:1999:SAU**


**Ranganathan:1997:ISP**


**Ramirez:2007:EST**


**Reinhardt:1996:DHS**


**Rau:1977:EIF**


**Regehr:2004:HSA**


Reddy:2006:UPB


Ramadan:2007:MTT


Rajamani:2009:IDE


Raghavendra:2008:NPS

Rudolph:1984:DDC

Roth:1999:EJP

Ringenburg:2015:MDQ
Michael Ringenburg, Adrian Sampson, Isaac Ackerman,


Subramanian Ramaswamy, Jaswanth Sreeram, Sudhakar Yalamanchili, and Krishna V. Palem. Data trace cache: an

Radhakrishnan:2000:AIE


Rashid:1987:MIV


Ruighaver:1986:DAD


Ruighaver:1990:MND


Ramakrishnan:1984:MMM


Ramseyer:1977:MMI


Rul:2007:FLP

REFERENCES


REFERENCES

Somani:1984:EVD


Shobatake:1986:UPB


Shippen:1987:TTD


Shukla:1988:KIP


Sites:1988:MCA


Shukla:1991:SPC


Sayeed:1992:PMB


Soundararajan:2010:IMO

Vijayaraghavan Soundararajan and Jennifer M. Anderson. The impact of management operations on the virtualized datacenter. *ACM SIGARCH Computer Architecture News*,...
Sung:2015:DES


Sinclair:2017:CRS


Schulz:2005:SDB


Srinivasan:2004:CLR


Srinivasan:2005:ESD


Sachs:1983:BRR


Sivathanu:2002:ERA

Muthian Sivathanu, Andrea C. Arpaci-Dusseau, and Remzi H. Arpaci-Dusseau.

Scott:2006:BHR


Salisbury:1976:MMC


Seo:2005:NOW


Shen:1999:CRF


Smith:1990:IDA


Satterfield:1974:AAS


Savage:1985:PPL

REFERENCES

Sullivan:1977:LSHa


Sam:2005:IMS


Sharma:2011:BMS


Sahoo:2002:SHA


Singh:2009:RTP


Seshadri:2014:DBI

Sani:2014:PDF


Saidi:2009:EEP


Schupbach:2011:DLA


Stenstrom:1993:ACC


Sastry:2001:RPS


Saha:2013:IDP


Shahar:2016:ACS

REFERENCES


REFERENCES


REFERENCES

Schalkoff:1983:TED


Schachter:1988:BRH


Schwartz:1989:DDD


Schneck:1991:BRO


Schrödinger:1991:ILP


Srinivasan:2001:LVC


Sudan:2010:MPI

REFERENCES

Sansonnet:1980:MLD


Sansonnet:1982:DEL


Shyam:2006:ULC


Stucki:1978:CCA


Sano:2014:FBC


Steffan:2000:SAT


Scheurich:1987:CMO

Shin:1990:DAH
Shin:1990:DAH
Kang G. Shin and Greg
Dykema. A distributed
I/O architecture for HARTS.
ACM SIGARCH Computer
Architecture News, 18(3a):
332–342, June 1990. CODEN
CANED2. ISSN 0163-5964
(ACM), 0884-7495 (IEEE).

Su:1994:BMS
Su:1994:BMS
C.-L Su and A. M. Despain.
Branch with masked squash-
ing in superpipelined pro-
cessors. ACM SIGARCH
Computer Architecture News,
CODEN CANED2. ISSN
0163-5964 (ACM), 0884-7495
(IEEE).

Shin:1995:AIH
Shin:1995:AIH
Kang G. Shin and Stuart W.
Daniel. Analysis and imple-
mentation of hybrid switching.
ACM SIGARCH Computer
Architecture News, 23(2):211–
219, May 1995. CODEN
CANED2. ISSN 0163-5964
(ACM), 0884-7495 (IEEE).

Suh:2009:DMR
Suh:2009:DMR
Jinho Suh and Michel Dubois.
Dynamic MIPS rate stabiliza-
tion in out-of-order pro-
cessors. ACM SIGARCH
Computer Architecture News, 37
(3):46–56, June 2009. CODEN
CANED2. ISSN 0163-5964
(ACM), 0884-7495 (IEEE).

Shriraman:2010:SLW
Shriraman:2010:SLW
Arrvindh Shriraman and
Sandhya Dwarkadas. Sentry:
light-weight auxiliary mem-
ory access control. ACM
SIGARCH Computer Archi-
tecture News, 38(3):407–
418, June 2010. CODEN
CANED2. ISSN 0163-5964
(ACM), 0884-7495 (IEEE).

Subramaniyan:2017:PAP
Subramaniyan:2017:PAP
Arun Subramaniyan and
Rectuparna Das. Parallel
automata processor. ACM
SIGARCH Computer Archi-
tecture News, 45(2):600–612,
May 2017. CODEN CANED2.
ISSN 0163-5964 (print), 1943-
5851 (electronic).

Sridharan:2015:MEM
Sridharan:2015:MEM
Vilas Sridharan, Nathan De-
Bardeleben, Sean Blanchard,
Kurt B. Ferreira, Jon Stear-
ley, John Shalf, and Sud-
hanva Gurumurthi. Memory
errors in modern systems: The
good, the bad, and the ugly.
ACM SIGARCH Computer
Architecture News, 43
(1):297–310, March 2015. CO-
DEN CANED2. ISSN 0163-
5964 (print), 1943-5851 (elec-
tronic).

Shaw:2007:ASP
Shaw:2007:ASP
David E. Shaw, Martin M.
Deneroff, Ron O. Dror, Jeff-
rey S. Kuskin, Richard H.
Larson, John K. Salmon,
Cliff Young, Brannon Bat-
son, Kevin J. Bowers, Jack C.

SDB+15
SDB+15
Vilas Sridharan, Nathan De-
Bardeleben, Sean Blanchard,
Kurt B. Ferreira, Jon Stear-
ley, John Shalf, and Sud-
hanva Gurumurthi. Memory
errors in modern systems: The
good, the bad, and the ugly.
ACM SIGARCH Computer
Architecture News, 43
(1):297–310, March 2015. CO-
DEN CANED2. ISSN 0163-
5964 (print), 1943-5851 (elec-
tronic).
REFERENCES


Singh:2003:GLB


Schulte:2014:PCS


Sidiroglo-Douskos:2015:TAI


Sohi:1985:ELE


Sudhakrishnan:2011:REB

Saulsbury:2000:RBT


Shriraman:2008:FDT


Smith:1987:ZCP


Schulte:2013:ARB


Staudhammer:1974:FDO


Seebauer:1989:MCEa


Seebauer:1989:MCEb


Simone:1995:ITO


Seznec:1993:CTW


Seznec:1994:DSC


Seznec:1996:DUP


Seznec:2005:AGH


Sohi:1991:HBD


Seznec:2003:EAP


Seznec:2002:DTA

REFERENCES


Silberstein:2013:GIF


Shen:2017:MCA


Smith:2000:VIS


Sakanaka:2004:LER


Saito:2004:FBD


Smith:1983:SIC


Singhal:1994:ASP

REFERENCES


Stricker:1995:OMS


Sadler:2000:APE


Sampson:2005:FSC


Schwetman:1985:CPP


Stodolsky:1993:PLO


Santhanam:1997:DPH


Smolens:2004:FBS

Stewart:2015:ZDW


Schlosser:2000:DCS


Spertus:1993:EMF


Sankar:2008:IDP


Singha:2011:NAF


Scott:1992:PSR


Shen:1980:FTC

John P. Shen and John P. Hayes. Fault tolerance of a class of connecting networks. ACM SIGARCH Computer Architecture News, 8
Steenkiste:1987:TTC


Sharp:1980:STD


Simoni:1991:MPL


Sasanka:2002:JLG


Sembrant:2014:DDD


Shen:2010:RBV

REFERENCES

Shimizu:1992:LLM

Sun:2011:MME

Steenkiste:1994:AEH

Shimada:1986:EPD

Shore:1974:CCa

Shore:1974:CCb

Short:1987:UIS
REFERENCES

[Shalev:2016:CCS]

[Soundararajan:1998:FUM]

[Syed:2012:LOA]

[Shi:1997:IID]

[Sibai:2007:PAW]

[Siegel:1977:UVT]

[Sato:1989:RTC]
REFERENCES


[SJG92] Per Stenström, Truman Joe, and Anoop Gupta. Comparative performance evaluation of cache-coherent NUMA and
REFERENCES


Smith:1989:LMI


Samadi:2014:PPB


Sanguinetti:1985:PMB


Sargeant:1986:SDS


Shimizu:2004:JOL


Sridharan:2010:UHV

Sanchez:2011:VSE


Sanchez:2013:ZFA


Sung:2001:MDA


Sawada:2011:PCW


Sung:2013:DEH


Sharma:2009:RPL


Seo:2017:FAS

Suh:2003:PAP


Satish:2012:CTP


Sassa:2016:FSP


Stuecheli:2010:VWQ


Srikantaiah:2008:ASP


Song:2017:HBA

Sklenar:1992:PUVb


Sklenar:1992:PUVa


Sano:2015:SCS


Sano:2013:ECC


Short:1988:SST

REFERENCES

ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Seznec:1992:IPS


Seznec:1993:OMS


Srinivasan:2005:MNC


Szefer:2012:ASH


Simha:2012:UAS


Shi:2006:IFD


Sui:2016:PCA


Shi:2005:HEC

Weidong Shi, Hsien-Hsin S. Lee, Mrinmoy Ghosh, Chenghuai Lu, and Alexandra Boldyreva. High efficiency counter mode

*[Smith:1990:BBS]*


*[SLH90]*


*[SLK05]*


*[Sloan:1973:CAC]*


*[Sloan:1974:DOC]*

REFERENCES

48, March 2009. CODEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic).


Jiang Su, Jianxiong Liu, David B. Thomas, and Peter Y. K. Cheung. Neural network based reinforcement learning acceleration on FPGA platforms. *ACM SIGARCH Com-
REFERENCES


Suh:2004:SPE


Schulthess:1977:RCA


Smith:1989:MRT


Saha:1994:DDT


Shun:2012:FAC


Sen:2014:TLT


Sabeghi:2010:RMS


Smith:1991:SBC

[Smith:1991:SBC]


Smith:1998:DAE

[Smith:1998:DAE]


Smith:1998:RSB

[Smith:1998:RSB]


Smith:1998:RIP

[Smith:1998:RIP]


Smith:1998:SBP

[Smith:1998:SBP]

Smith:2014:EDN


Suleman:2010:DMM


Singh:2011:EPS


Smotherman:1989:SBT


Suleman:2009:ACS


Stone:1985:FGC


Severson:1995:TCP

Sankaralingam:2003:EIT


Singh:2012:EES


Shafiee:2016:ICN


Shahhoseini:1999:ABP


Soejima:2014:MPF


Sohi:1998:RMP

REFERENCES

Number 414984. IEEE Computer Society Order Number PR08491; IEEE Order Plan Catalog Number 98CB36235.


REFERENCES


Sherwood:2002:ACL

Swanson:2006:APT

Saulsbury:1996:MMW

Sundaramoorthy:2000:SPI

Spradling:2007:SCB

Soundararajan:2007:MBV

Suleman:2008:FDT
REFERENCES

Srinivasan:2004:CFP

Sassone:2007:MSR

Sethumadhavan:2007:LBE

Srivastava:2001:EOB

Shayesteh:2005:DCS

Santos:2014:UAT

Shao:2014:APR
Yakun Sophia Shao, Brandon Reagen, Gu-Yeon Wei, and David Brooks. Aladdin: a Pre-RTL, power-performance accelerator simulator enabling

**Sadowski:1978:EPR**


**Sweet:1982:EAM**


**Smith:1985:MUD**


**Sweazey:1986:CCC**


**Scott:1989:UFC**


**Sodani:1997:DIR**


**Sazeides:1998:MPP**

Schkufza:2013:SS


Sinha:2013:NRA


Sridhar:2007:HLO


Shen:2013:PCF


Siegel:1984:PRP

Skadron:2003:TAM


Shriraman:2007:IHS


Sundararajah:2017:LTN


Shi:2007:CCP


Stunkel:1997:IMW


Son:2013:RMA

[SSR+13] Young Hoon Son, O. Seongil, Yuhwan Ro, Jae W. Lee, and


REFERENCES


[Ste80] David Stevenson. A report on the proposed IEEE Floating


REFERENCES


Stanley:1987:PAA


Saad:1990:SBP


Sleiman:2016:ESO


Somogyi:2006:SMS


Somogyi:2009:STM


Stoll:1995:EMP


Singh:1992:SSP


Seong:2010:SRP

Nak Hee Seong, Dong Hyuk Woo, and Hsien-Hsin S. Lee.

Steele:2002:OHH


Sano:2010:PIA


Sheng:2016:CCF


Su:1989:DSM


Sano:2011:DSP


Sanchez:2010:FAS


Seong:2013:TLC

[SYL13] Nak Hee Seong, Sungkap Yeo, and Hsien-Hsin S. Lee. Tri-level-cell phase change mem-

[StAmant:2014:GPC]

[Sakai:1989:ADS]

[So:1988:CPV]

[Shin:2008:PWR]


[John W. Sias, Sain zee Ueng, Geoff A. Kent, Ian M. Steiner, Erik M. Nystrom, and Wen mei W. Hwu. Field-testing

Thomasian:1976:DSS


Takahashi:1983:DFP


Tseng:2003:BMR


Tabak:1988:LIM


Tabak:1995:CMH


Tabak:1996:BRA


Tabba:2010:ACP

REFERENCES


Thakur:1994:CCD

Teodosiu:1997:HFC

Tsoi:2012:MRS

Tsai:2017:JSD
Po-An Tsai, Nathan Beckmann, and Daniel Sanchez.

**Thapar:1991:CCL**


**Taylor:1990:TSL**


**Tullsen:1993:LCP**


**Thekkath:1994:ISB**


**Tullsen:1996:ECI**


**Tullsen:1995:SMM**


**Tullsen:1998:RSM**

[TEL98] Dean M. Tullsen, Susan J. Eggers, and Henry M. Levy. Retrospective: Simultane-


REFERENCES


Treleaven:1982:RCA


Thakkar:1986:IFU


Tan:2003:DAP


Thacker:2010:IFE


Tada:2016:ESG


Taylor:1986:ESL


Torres-Huitzil:2014:AEI


Thorelli:1976:RAC

REFERENCES

Thornton:1981:ASC


Thorson:1990:UN


Thorson:1991:UNa


Thorson:1991:UNb


Thorson:1991:UNc


Thorson:1991:UNd


Thorson:1992:UNa


Thorson:1992:UNb


Thorson:1992:UNc

REFERENCES


Thorson:1995:INc

Thorson:1996:INa

Thorson:1996:INb

Thorson:1997:INa

Thorson:1997:INb

Thorson:1997:INc

Thorson:1997:INd

Thorson:1998:INaa

Thorson:1998:INb
Thorson:1998:INc


Thorson:1999:INa


Thorson:1999:INb


Thorson:1999:INc


Thorson:2000:INa


Thorson:2000:INb


Thorson:2001:INa


Thorson:2001:INb


Thorson:2001:INc

REFERENCES


REFERENCES

[Tho04a] Thorson:2004:INb

[Tho04b] Thorson:2004:INc

[Tho04c] Thorson:2004:IN

[Tho05a] Thorson:2005:INa

[Tho05b] Thorson:2005:INb

[Tho05c] Thorson:2005:INc

[Tho05d] Thorson:2005:INd

[Tho06a] Thorson:2006:INa

[Tho06b] Thorson:2006:INb

[Tho06c] Thorson:2006:IN
Thorson:2007:INa

Thorson:2007:INb

Thorson:2007:INc

Thorson:2007:INd

Thorson:2008:INa

Thorson:2008:INb

Thomasian:2009:PSS

Thorson:2009:INa

Thorson:2009:INb

Thorson:2009:INc
REFERENCES


REFERENCES


REFERENCES

Thorson:2014:INb

Thorson:2014:INc

Thorson:2015:INa

Thorson:2015:INb

Thorson:2015:INc

Thorson:2016:INa

Thurber:1976:ANR

Thurber:1978:CCT

Tick:1988:DBP
REFERENCES


Torres:2005:SBD


Talla:2001:MDA


Takefuji:1988:MCS


Tokoro:1983:WSC


Tanaka:2007:LER

Kiyofumi Tanaka and Takahiro Kawahara. Leakage energy reduction in cache memory by data compression.

Thies:2002:CML


Talluri:1992:TST

Madhusudhan Talluri, Shing Kong, Mark D. Hill, and David A. Patterson. Tradeoffs in supporting two page sizes.
REFERENCES


[TLL+07] Michael Bedford Taylor, Walter Lee, Jason Miller, David Wentzlaff, Ian Bratt, Ben Greenwald, Henry Hoffmann, Paul Johnson, Jason Kim, James Psota, Arvind Saraf, Nathan Shnidman, Volker

Treleaven:1980:MPR


Talpes:2005:ISP


Trouve:2011:ADA


Tanabe:2014:FAO


Tsuyama:2014:GFA


Thaker:2006:QMH


Thekkath:2000:ASC

David Lie Chandramohan Thekkath, Mark Mitchell, Patrick Lincoln, Dan Boneh,
REFERENCES


[170x646] Trippel:2017:TMM


[TML+17]

[Tang:2011:IMS]


[TMV+13]

[Taki:1987:PAE]


[Tani:2011:SFB]

Tobias:1980:SUM


Tiwari:2011:CUM


Tsoukarellas:1990:RTS


Tseng:2008:AOP


Tong:2015:HTS


Thurber:1977:ATC


Tarditi:2006:AUD

REFERENCES

December 2006. CODEN OS-REDS. ISSN 0163-5980.


REFERENCES


Tanaka:2013:USP


Tomita:1986:CLL


Tiwari:2007:RPA


Tokoro:1982:SSI

Mario Tokoro and Takashi Takizuka. On the semantic structure of information — a proposal of the abstract storage architecture.

Teodorescu:2008:VAA


Tribino:2012:PPA


Tu:2013:SDS

Tokoro:1980:HLM


Tsoi:2010:PFC


Tse:2010:ERD


Turton:1979:PHS


Tredennick:1977:HSB


Thomborson:1991:SIM


Torng:2016:AAW


Tan:2010:CFF

Tiwari:2009:CIF


Tucek:2009:EOV


Takahashi:1986:NSS


Talcott:1994:IUB


Takamaeda-Yamazaki:2011:FBS


Tzeng:1985:FTS


Tang:1990:CTD

REFERENCES

1990. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).


0163-5964 (ACM), 0884-7495 (IEEE).


[Ulm98] B. Ulmann. Instruction looping, an extension to conditional execution. *ACM

**Udipi:2011:CMC**


**Udipi:2012:LEL**


**Udipi:2010:RDD**


**Uluski:2005:CAW**


**Uhlig:1995:IFC**


**Umeayama:1983:PEM**


REFERENCES

Venkateswaran:2005:FTB


Vilanova:2014:CPS


Vaughan:1972:Cas


Vijaykumar:2004:WDP


Valamehr:2012:IRM


vanderHouwen:1990:POS


vandeSnepscheut:1979:INP

VanErtvelde:2008:DPA


Voitsechov:2014:SGM


vonEicken:1992:AMM


vonEicken:1998:AMM


vonEicken:1998:RAM


Vedder:1985:HDF

REFERENCES

0163-5964 (ACM), 0884-7495 (IEEE).


[Vrsalovic:1985:IPD] Dalibor Vrsalovic, Edward F. Gehringer, Zary Z. Segall, and
REFERENCES


Chris A. Vissers. Interface, a dispersed architecture.
REFERENCES


Varma:1995:DAD

VanCraeynest:2012:SHM

Vajapeyam:1999:DVM

Vijaykrishnan:2000:EDI

Valero:1992:INS

Veeraraghavan:2011:DPS

Vernon:1988:AEP
M. K. Vernon, E. D. La-

[VNM06]

[VNN13]

[VP89]

[VPC02]
T. N. Vijaykumar, Irith Pomeranz, and Karl Cheng. Transient-fault recovery using simultaneous multithread-
REFERENCES

vonPraun:2006:CMO

Vahid:2001:PCP

Vaucher:1973:HLC

Varma:1987:RMS

Vranesic:1978:BRR

Venkataramani:2017:SSC

Venkatesan:2014:SST
Rangharajan Venkatesan, Shankar Ganesh Ramasubramanian, Swagath
REFERENCES


Varma:1992:CPS


Venkatesh:2010:CCR


Vajapeyam:1991:ESC


Venkateswaran:2007:FGSa


Venkateswaran:2007:FGSb

Vantrease:2008:CSI


Vintan:2003:ABP


Venkat:2016:HHI


Vaidya:2013:SDO


vanTilborg:1988:IDC


vanTilborg:1989:PFD


Venkat:2014:HID

Vora:2017:CCR


Volos:2011:MLP


Volos:2012:ATM


Voskuilen:2014:FCP


Voskuilen:2014:HPF


Veidenbaum:1998:RCS


Waterland:2014:AAS


REFERENCES


REFERENCES


REFERENCES


Weinsberg:2008:TFC


Watanabe:2010:WWD


Wann:1974:CCS


Wood:1986:CAT


Weiss:1989:ASS


Weicker:1997:USB


Welch:1976:IDO


Weaver:2004:TRS


Wong:1987:PAD

REFERENCES

Weber:1989:ACI

Weber:1989:EBM

Wilkerson:2008:TCC

Weber:1997:MIA

Wassel:2013:SLL


Wang:2005:DMS
David Wang, Brinda Ganesh, Nuengwong Tuaycharoen, Kathleen Baynes, Aamer Jaleel,

**Wilkes:1997:CLS**


**Weicker:2007:SPR**


**Walcott:2007:DPA**


**Whiteside:1978:BRR**


**Wang:2002:NAM**


**Wang:2017:GSM**


**Widdoes:1976:MMM**

Lawrence C. Widdoes, Jr. The Minerva multi-microprocessor. *ACM SIGARCH Computer
REFERENCES


Wiecek:1982:CSV


Williams:1978:MSD


Wilkes:1982:HSM


Wilkes:1983:KJI


Milkes:1983:SPS


Wilson:1978:MSD


Wilkes:1988:SSS


Wilson:1991:PSP

REFERENCES

Wilkes:1995:MWC


Wilmot:1998:DTM


Wilkes:2001:MGF


Williams:2016:BIC


Winfree:2008:TMP


Whitney:2009:FTA


Wirth:1987:HAP


Wise:1986:EES


Wittie:1976:EMR

[Wit76] Larry D. Wittie. Efficient message routing in Mega-Micro-


Wegiel:2008:MCV

Wegiel:2009:DPC

Wang:2012:IWE

Wang:2017:DAC


REFERENCES


Wong:1989:SAS

Wong:2007:CBS

Wong:2016:PEA

Woo:1985:HUU

Woo:1986:RCC

Wood:2014:RSA

Wilson:1996:ICP

Woo:1995:SPC
Steven Cameron Woo, Moriyoshi Ohara, Evan Torrie, Jaswinder Pal Singh, and Anoop Gupta. The SPLASH-2 programs: characterization and methodological considerations. *ACM

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wall:1987:MEU

Wray:1991:TSD


Wang:2013:VPD


Wang:2016:LLA


Wade:1974:IDM

Weiss:1984:IIL


Weiss:1987:SSC


Whitby-Strevens:1985:T


Wolfe:1991:VIS


Williams:1990:ADR


Wittenbrink:1992:CGW


Waliullah:2007:SFC


Wang:2014:GRS

[Tao Wang, Guangyu Sun, Jiahua Chen, Jian Gong, Haoyang Wu, Xiaoguang Li, Songwu Lu, and Jason Cong. GRT: a reconfigurable SDR platform with high performance and usability. *ACM SIGARCH Computer Ar-
Wenisch:2005:TSS


Widigen:1996:EOR


Woh:2009:AAA


Wong:1989:TDH

Waldspurger:1993:RRF


Watanabe:2012:MCP


Wang:2013:TEH


Wu:2001:CFF


Woodruff:2014:CCM


Wunderlich:2003:SAM


Watson:1988:FPA


REFERENCES


[XYM12] Yi Xu, Jun Yang, and Rami Melhem. Tolerating pro-

**Youssef:1990:NAF**

Abdou Youssef and Bruce Arden. A new approach to fast control of $r_2 \times r_2$ 3-stage Benes networks of $r \times r$ crossbar switches. *ACM SIGARCH Computer Architecture News*, 18(3a):50–59, June 1990. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

**Yang:2013:BFP**


**Yoon:2012:BEM**


**Yoon:2009:MME**

Yoon:2010:VFE


Ye:2009:TWW


Yan:2006:ICP


Yoaz:1999:STI


Yeh:2007:PAR


Young:1995:CAS


Yan:2017:SHA


Yu:2003:TBS

Ryan W. S. Yu, Gary K. W. Hau, and Anthony S. Fong. Test bench for software development of object-oriented

### Yuhara:1986:EFA


### Yu:2014:CPR


### Yokota:1986:MAR


### Yoon:2011:AGM


### Yoon:2012:DGM


### Yu:2016:CWM


### Ye:2005:RRA

Dong Ye and David Kaeli. A reliable return address
REFERENCES


**Yeung:1996:MMS**


**Yum:2001:QPC**


**Yoon:2016:VTM**


**Kim:2002:IWS**


**Yasrebi:1984:SAS**


**Yao:2016:OCO**


**Yan:2010:LCL**

Guihai Yan, Xiaoyao Liang, Yinhe Han, and Xiaowei Li.


Yao:2007:OPD


Yuan:2010:SED


Yu:2009:CIC


Young:2015:DWE


Young:2017:DCD


Yokota:1994:DND


Yomtov:1992:PED


Man-Ki Yoon, Negin Salajegheh, Yin Chen, and Mihai Christodorescu. PIFT: Pre-

**Yuba:1990:DCD**


**Yehia:2004:SDI**


**Yamaguchi:1983:PEL**


**Yuen:1984:SAI**


**Yuen:1999:ASC**


**Yuen:1999:SR**

REFERENCES


REFERENCES

Zhang:1998:PMC

Zhang:2005:VRM

Zahran:2003:CMH

Zhao:2016:SHC

Zaks:1973:MAF

Zaky:1977:MNN

Zucker:1992:PSM

Zhan:2016:PMB
Xusheng Zhan, Yungang Bao, Christian Bienia, and Kai
REFERENCES


Zhuravlev:2010:ASR


Zh:2002:COS


Zh:2002:EVC


Zh:2014:HDH


Zh:2013:CFC


Zh:2016:DEQ

REFERENCES

5964 (print), 1943-5851 (electronic).

Zeng:2002:EME


Zhou:2003:DGS


Zhang:2006:BCR


Zhou:2016:PUH


Zheng:2017:RMA


Zilles:2001:BHC

Zhang:2011:FED

Zhang:2017:PPD

Zecca:1990:ECV

Zahedi:2014:RRE

Zhang:2016:TED

Zhang:2011:CDC
REFERENCES

Zheng:2009:DDB


Zhang:2016:TAS


Zhang:2016:MWE


Zhou:2004:DTP


Zhou:2004:IEA


Zhu:2014:WAS


Zahir:2000:CCD

Rumi Zahir, Jonathan Ross, Dale Morris, and Drew Hess. OS and compiler considerations in the design of the

Zhao:2005:DMO


Zhao:2014:EES


Zilles:2000:UBS


Zilles:2001:EBP


Zhu:2007:SSB

Weirong Zhu, Vugranam C. Sreedhar, Ziang Hu, and Guang R. Gao. Synchronization state buffer: sup-

Zhao:2013:PAG


Zhang:2010:CDS


Zhang:1995:SIA


Zuberek:1980:TPN


Zhang:2003:HCC


Zhou:2014:SAS


Zhou:2016:MMI

REFERENCES


[Zhang:2014:AIP]

[Zhang:2015:HDL]

[Zeng:2009:MCA]

[Zhang:2005:ASP]

[Zhang:2000:FVL]

[Zhao:2014:CES]

[Zhao:2014:CES]

[Zhang:2015:MRH]
Yiyong Yang, Jian Yang, Amirsaman Memaripour, and Steven Swanson. Mojim: a

**Zhuang:2004:HIE**


**Zhou:2009:DEE**