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Title word cross-reference

$(2^n - 1, 2^{n+p}, 2^n + 1)$ [Hia17]. $(G(2^m, 4))$ [KP13]. (t, k) [CH13, Cha10a, CH11]. + [BKV12]. 0 [XHX+17]. $0 < l < r$ [KCK16]. 1 [HWG+14, JSC10, MSK15, XHX+17]. 10 [VAB14]. 2 [CMB13, CND+18, EJ15, LJY+15, RKZ16, SG12, TLP18, WHL17]. 2^n [Sou15]. $2^n + 1$ [HMC11, VD12]. 3 [AD10, ASS+18, AVS+14, CTH14, CCK+16a, CCL+18, CWTT13, DYW15, EDL+14, EYBK15, HCY18, JKD+19, KAH+15, KKC15b, LJY+15, LLW+17, MWWT13, RVL+14, SKEB18, SPC+18, TMS+14, TCHL18, WJY+17, WZL+17, XCF16, YEY+16, YMG16, ZDYZ14]. 4 [PP16, Sou15, TAM+16]. 5 [FGS+13]. 8×8 [CND+18]. ^{4} [ZLN11]. B^+ [FYSK14]. d [PRM16]. D^3 [YTD+18]. η_T [BDE+11]. F_3^m [AH10]. $GF(2)$ [Ose11]. $\mathrm{GF}(2^m)$ [CLL+14, Cil13, DJA14, WF12]. K [FG10, AD10, AD12, Amm14, Fen14, FEM+18, HK13b, NTR14, YUGD14, YLA+15, ZCL+16]. L [CMB13]. $LFSR$ [Pom16a]. $\mathbf{F}_q$ [KCK16]. N [ADJG19, AMVOS+15, AVS+16, FG10, HK13b, Ose11, YM11, YUGD14, Zot10]. $n \times k (k \geq n/2)$ [MC11]. P [BCTV15, GT19]. $q \equiv lr^s (\mathrm{mod} r^{s+1})$ [KCK16]. r [KCK16]. s [KCK16]. T [KMM16, MCT19]. t/k [LXZH16, ZLXW15]. τ [ADJ12]. Z_N [LCwW10]. Z_q [EBE13].

-Approximation [SG12]. **-Ary** [HK13b, FG10]. **-Atomicity** [WHL17]. **-Automated** [SBMP18]. **-Based** [Pom16a]. **-Bit** [YUGD14]. **-Circuits** [BCTV15]. **-Connected** [SG12]. **-count** [MCT19]. **-Coverage** [AD10, AD12]. **-Covered**

[Amm14]. **-Cubes** [HK13b, FG10]. **-D** [MSK15]. **-Diagnosability** [Cha10a, CH13, LXZH16, ZLXW15]. **-Diagnosis** [CH11]. **-Dimensional** [Zot10, AMVOS+15, AVS+16]. **-Encoding** [XHX+17]. **-Extra** [CTH14]. **-Moduli** [Sou15]. **-Networks** [CMB13]. **-NN** [FEM+18, ZCL+16]. **-overlap** [ADJG19]. **-Partition** [NTR14]. **-Pipeline** [PRM16]. **-Term** [Ose11]. **-th** [KCK16]. **-Times** [YLA+15]. **-Tree** [FYSK14].

/Many [SNM16].

10Gbps [PRGBSAC19]. **128-Bit** [GV14]. **16** [ZAG19]. **1687** [ZNL18].

2 [XYF+15]. **2.0** [PC16]. **2.5D** [DYHX16]. **256** [IDG+17].

3D [ALW11, DSPB13, SKEB16, SVAB14, ZDYZ13]. **3D-ICE** [SVAB14]. **3D-NoCs** [DSPB13, SKEB16].

4-Bit [GM12].

5 [ZZS10, ZZL14]. **512** [GV14].

6 [FSL+17, ROGHNB+18, ZLWZ15].

802.11n [CKH15, GY16, GY14]. **802.15.4** [HXVQ15, NBZP17]. **802.16** [CTS13]. **802.16-Based** [CTS13].

Abort [EFGT18, IGLM15]. **Abort-on-Fail** [IGLM15]. **Absorbing** [MTFK19]. **Abstract** [KN11a]. **Abstraction** [BFP11, HSH+10, LVF19, YCK16, ZYY10]. **Accelerate** [RS10, SJVR19, ZLWZ15]. **Accelerated** [BEHL+19, MTFK19, SCSL12]. **Accelerating** [CMO+16, CYHC14, DOS15, LLCC13, RWZZ14, WZW+19, XZL+19, YEG+15]. **Acceleration** [AAR19, GIKR19, KCRG15, KN13, LK18, TLL+13, XYF+15, ZWH+15]. **Accelerator** [AKTB18, BQP+16, BCMJ10, DW10, LJG+19, LMB17, LLD19, MSPK12, MRL+18, ÖDSS17, PC16, PGvdG14, SDP+15, YMG15, YAG19]. **Accelerator-Based** [AKTB18]. **Accelerators** [BZ15, DMK+15, MGW14, SKPK10, VMB19]. **Access** [Ano13e, CFL+18, CS15, HK16, HHW+18, KP15, LSG+18, LHYZ13, NH10, RC14, SPTC15, SCJ+16b, SCJ+16a, TLH+16, WHZ+15, XKT+15, YLA+15, YAGB17, ZICL12, ZMY11]. **Access-Time** [HK16]. **Accesses** [CVPS19, CLW+19, CLM+19, LK15a, LXW+19]. **Accounting** [LMC+12]. **Accumulate** [CCRL19]. **Accumulation** [KGD16]. **Accumulators** [BGHL19]. **Accuracy** [Pom16b]. **Accurate** [AFC10, BBK10, CTL+17, HCL+14, ISC15, Iko15, JCY+13, KGD16, LJ13, MNFA14, MWWT13, MD16, RMB+13, SQJ+15, TKT16, ZMR+13]. **Achieving** [HHW+18, RRS+16, TLH+16, ZC13]. **ACO** [CHC+15]. **ACO-Based** [CHC+15]. **Acoustic** [UVG16]. **Across** [LQD+16, CLS14, JSE14]. **Activate** [LYT+16]. **Activation** [RSN+18, SCJ+16a]. **Active** [HV14a, JRP+14, LYT+16, ST18a, WL13, YYC12, DHC+16]. **Activities** [SJD+18]. **Activity** [Pom12d, Pom13a]. **Actor** [AEKT15, ASTU10, MB12b, ZM17]. **Actor-Critic** [ZM17]. **Actors** [DSB13]. **Actuator** [SPC+16]. **Ad** [CWZ11, CS15, CWTT13, CWY13, DLL+12, FS10, GDY15, LYCT10, RDEN10, TH11, XWY10]. **Adaptable** [KA19]. **Adaptation** [Ano13f, GSH+14, RDEN10, YyHL11]. **Adapting** [WGLL13]. **Adaptive** [AO12a, AKJ+13, ACW+11, AVS+16, BKPMC13, CHC+15, CCE+18, CKD+17, CGL+13, CYL+14, DYHX16, DY12, EDL+14, FFCB14, FYSK14, GLXY13, Ged14, GV15, HCL15, HCSW15, HLWV17, IBH+13, JT15,

JLLH19, KSEG15, LOH17, LSL15, LFH+16, LHH17, LWH+16, MTBB10, NY15, NY19, OKY+19, OGH+14, PPKW12, PM14, RBG14, RVL+14, RS10, RXC+15, SKEB18, SOM+13, SRK+17, SXCL14, SDL+19, TLP17, TRA18, TLGM17, WWM16, WW16, WYL+15, WAK+17, XHLW19, YyHL11, YWW+16, YZ15, YHV13, ZWH+15, ZL16]. **Adaptive-Acceleration** [ZWH+15]. **Adapts** [WTBT13]. **Adas** [HHC+18]. **adBoost** [khR+18]. **Add** [WF17, ZCK19]. **Adder** [CL10, KT19, Nan19, PSL17, SJS+14, VD12]. **Adders** [DDNT19, HVZ13, Kor15, LHL13b, LHL15b, LCW+16, MHH+17, WLG+19]. **Adding** [LLLP14]. **Addition** [GVGNCVM16, JPG10, JDA15, KBP13, MLH12, VMHGN18]. **Addition/Subtraction** [KBP13]. **Additions** [LJ13]. **Additive** [TM18]. **Address** [AJH15, CKKS14, CQW+15, CC11, KCKL19, LYS10, LLHC15, ML16, SCZ+16, SRHC12, YCKH16]. **Addressable** [ALBP14, PO13, SMRM17, CCC+18]. **Addressing** [LXW+19]. **ADDSEN** [WAK+17]. **Adjacent** [NL18, Pom13a]. **Adjustment** [Yam10]. **Admission** [NZLK14]. **Admissions** [XWL10]. **Advanced** [KK18, SBP+14, XL16, MKRM10]. **Advances** [LLK18]. **Advancing** [ZCW18]. **Advocacy** [ST11b]. **Advocacy-Free** [ST11b]. **AES** [JL11, LB13, MMP13, MKRM12]. **AES-GCM** [JL11, MKRM12]. **AES/PCLMULQDQ** [JL11]. **Affine** [BLB+19, RKT19, ZYHZ16]. **Against** [FRB+18, GDLL18, MSS+18, SBMP18, YLY+15a, ASBdS16, GSF+10, KASZ13, LFJ+13, PLZW14, SKZS13, SBM15, SEY14, SWWC11]. **Age** [GEN+17]. **Agent** [LLCH13, SD13, TKL+14, ZCYX15]. **Agent-Based** [ZCYX15]. **Aggregate** [PSM17, CLW16b]. **Aggregation** [Ano13g, HXVQ15, KLT16, LWW11, QQW+17, RWZZ14, VBR+13, WJL+14, ZHW+16]. **Aggressive** [AS12, AS14, ARS16]. **Aggressiveness** [Pan16]. **Aging** [AEGH19, KAH18b, LSA18, SKH16, VCSG+19, ZBK+17]. **Aging-Aware** [KAH18b, LSA18, VCSG+19]. **Agnostic** [JKD+19]. **AH** [GYC+16]. **AH-Tree** [GYC+16]. **Aid** [NL14]. **Algebra** [DSB13, FGS+13, FGS+15, PvdGG12]. **Algebraic** [CND+18, HIJ+19, JLMP11, LYK19]. **Algorithm** [AT16, AHNT16, AK14, Bai17, CS11b, CZ16, CPL16, DZD+16, DSPB13, FG10, Fuj11, GWZ+10, GNSR14, HC13b, HWL+14, HGEG11, JL11, JGHD11, KS14, KO14, KCK16, LBSK17, LPL+13, LYOB15, LT14, LMC+15, LY11, LBN14, LPW10, LYCT10, LLL11, LLCC13, LZ14, LSZ+15, LCW+15, MJW+14, MRL+18, OGH+14, PGvdG14, PB11, QML+15, Red14, SKEB16, SKEB18, SRR+16, SG13, SL10, SR14, SKA10, SJS10, SCNS10, TLZV11, TLP18, TC16, Tsa13, VVMAZ12, VB13, WBZ+15, WW16, XCW+10, Yan14, YLL16, YLA10, ZWLS15, ZFJ+17, dAJM14]. **Algorithmic** [CAGM14, DDNP11, GLP+12, HWG+14, JSC10, LKT13, NL14]. **Algorithms** [ADOKM10, AD13, BJ10, CCK10, CCH+15a, CB15, CCR+17, DALD18, EJ15, FMP19, GY14, GGL+14, HT16, HMA+10, HWG+14, JWH+15, JSC10, JMMP16, KLT16, Kůr12, LHC+14, LB15a, LSX13, LCwW10, LLLP14, LMT13, MMH14, ML16, NZC11, PN16, PP16, Pip11, RHC+14, RT14, SG12, ST11b, TKL+14, WTY+14, WWM16, XLL15, ZHM14, ZMRQ11]. **Alignment** [BEHL+19, SKPK10]. **Alignments** [BCMJ10]. **All-Optical** [KH14]. **All-to-All** [ZGY13]. **Allocating** [MFG14]. **Allocation** [AF14, AQPMS15, BSM+14, CLS14, CPL17, DKG13, GO10, GDY15, HCCG10, HK17, IHR+16, LZA+16, LGF+15, MNGV16, PLP+13, PCLN15, PAP13, PAC+12,

PCZB11, PBE17, RCN11, UMN18, VTW16, WLT+16, XLL+18].
Allocation/Deallocation [PCLN15].
Allocations [XLTZ11]. **Allocator** [PKY19].
Almost [WHL17]. **Alternating** [HFZ13].
Alternatives [YLGE14]. **ALU** [AC11, HK15a, RTRM19]. **ALV** [ZZS10].
Always [TBC+17]. **Always-On** [TBC+17].
Ambient [JCY+13]. **Amdahl** [CA12a, YMG16]. **Amplification** [SQJ+15].
Analysable [KAQC14]. **Analyses** [LSSE15]. **Analysis** [ADJG19, AXS+10, ABEP16, AS14, BM13a, BBK10, BRN+15, BLB+19, BS14, BBB16, BDB18, BMZ17, BTW13, CS11b, CLW+15, CSW+15, CTL+17, CJ12, DMXY14, DDNT19, FEM+18, FHL+18, GW16, GGL+14, HB11, HTA10, HMA+10, HGW+17, HL10b, Iko15, JRW+14, JKY10, JJC14, KE19, KGP15, KAH+15, KKY+16, LHC+14, LYK19, Lee17, LLL16, LDB+17, LHL13a, LCW+16, LGS+18, LCY+19, MKT+11, MTGM12, MMTM15, MHHS17, MBD+17, MBB+17, MMAC19, MCXZ18, MHML15, NDC+13, NRG15, OP15, PC10, PFGB14, RZZ+15, RHC+14, RM15a, RBG+19, SXLC15, SKEB16, SMB+15, SX12, SZDL14, SCNS10, TS11, UMN18, VSC+19, VALK19, WCM+16, WLZ10, XWLX17, YYW+16, YLH10, YTM16, ZICL12, ZJH+14, ZT15, ZWD+16, ZAG19].
Analysis-Based [RZZ+15]. **Analytic** [BD15, Fin10, JAD+18]. **Analytical** [EYBK15, GPN11, KM11, LLZ+17, LHL15b, MYHL16, MKM14, SV18, SKEB18, SMA19, VED+16]. **Analytics** [HZW+12, KRP18, XYHD17, ZQZ+19].
Analyze [DS14]. **Analyzing** [WF14].
Anchored [BGHL19]. **Android** [CXLX15].
ANGEL [ZCYX15]. **Angle** [RS10].
Angular [YASS14]. **Annual** [Ano11a, Ano11b, Ano12a, Ano13a, Ano14a].
Anomalies [KKT15]. **Anomaly** [VSF+17].
Anomaly-Based [VSF+17].
Anonymization [ZDP+15]. **Anonymized** [PLZW14]. **Anonymizer** [LFJ+13].
Anonymous [FHH10, HLT+15, YLA+15].
Answers [SLLG15]. **Ant** [HCSW15].
Antecedence [SD13]. **ANTELOPE** [HLJ14]. **Antenna** [CKH15]. **Antennas** [GY16, GGL+14]. **Anti** [YGS15].
Anti-Attacks [YGS15]. **Any** [Wal19]. **AP** [GY14]. **APC** [WS14]. **APIs** [SWWC11].
AppATP [LSL15]. **Application** [AKL14, AK14, BRN+15, CCW+10, CH13, CNJ14, cCWS14, DAS14, Fin10, GKB+10, GCF+16, JCY+13, JKD+19, JRC14, KKP+16, KCS+13, KL13, LKYC12, LSA+17, LCHC14, LGMP10, MMCS18, MGW14, MD16, MAG+17, MRW+15, MY10, RBG14, SP16, SIB13, SRK+17, WMW12, XJW+16, YLGD19, ZCZ+19, ZYY18].
Application-Adaptive [RBG14].
Application-Agnostic [JKD+19].
Application-Aware [KCS+13].
Application-Dependent [AKL14, KL13].
Application-Driven [LGMP10].
Application-Guided [SRK+17].
Application-Level [CCW+10].
Application-Specific [JRC14, LSA+17, SP16].
Application-Support [LKYC12].
Application/System [JCY+13].
Application/System-Dependent [JCY+13]. **Applications** [ABB17, ALW11, AF14, ABEP16, AEP18, BQP+16, BMP+10, BMM11, BDB18, CLX14, CHLL16, CG18, DA12, FBE+18, GJ14, GSX+13, GPR+19, HV12, HV13, KTAvdS16, KKC17, KN13, LKYC12, LGH15, LHH14a, MVB10, ML18, ÖDSS17, PWTS16, PAC+12, QJM+10, RKR15, RQ14, RNS13, SAR+11, SIVH16, TLGM17, VTA16, WZZ10, WHL+12, WLQS13, YCCJ15, YG10, YRG13, YHV13, YAGB17, ZCZL16, ZCS16, ZCW18, ZT15, ZYL15, ZCY+16].
Applying [YY14]. **Approach** [AD14, ABSK15, BR13, BC16, CWX+14,

Cha10b, CLL+14, CFW14, CRK10, CJ12, CH14, DDNP11, DMA+15, DYCG16, DSY+15, DRS+16, DJO11, Fan16, GWMB13, GLXY13, GC16, GBF+19, HRM+16, HCL+14, HF15, HMNN12, LP13a, LBWH11, LKT13, LWL+16, MOMT12, MMB14, MKRM11, ML16, NL14, PCHS17, PR14, RCM+16, RBIQ15, RM15b, SKC+14, STR15, SD13, STK16, SQJ+15, UHSA17, VECD13, VYEB18, VBR+13, WEH+19, WF14, WLS18, YMT13, ZZS10, ZWW+16, ZCR16]. **Approaches** [DLL+12, NR15, ORBM13, OPV+17, YEY+16]. **Appropriate** [ZRS+16]. **Approximate** [AKL18, CHLL16, CHL17, DDNT19, GVPS19, HXVF12, JHQL16, KBO+19, LHL13b, LHL15b, LQW+17, LCY+19, LJVJ18, MHHS17, MHH+17, MHML15, NL16a, RSJR17, VALK19, WLG+19]. **Approximated** [BM11]. **Approximating** [BKV12, dRV12]. **Approximation** [JLLH19, KMM16, KLT16, LHPH15, LSX13, LJ15, MMH14, SG12, SG13, WEX14, XTF+12, XLL15, ZL11]. **Approximations** [SDP11]. **ApproxSSD** [ZWW19]. **Apps** [ZLW+17]. **Arb** [Joh17, RVL+14]. **Arbiter** [GSX+13, SMCN18]. **Arbitrary** [Bin15, BGPV10, FHR14, Joh17, Lef17]. **Arbitrary-Precision** [Joh17, Lef17]. **Arbitrary-State** [FHR14]. **Arbitrated** [GGA+17]. **Arbitration** [FJA+17]. **Architecting** [CLM+19, KASZ13]. **Architectural** [GLP+12, HNB+12, LR16, LGMP10, OKD+16, RM15a]. **Architectural-Level** [LR16]. **Architecture** [ADJ12, AYC16, AFC10, Ano10c, BSS14, BSS15, BBB+17, CWZC13, CYC+16, CLOL18, DCCK17, DEE17, DCY+13, DMK+15, DJO11, EKA17, EE10, FMTK19, FZL+14, FM16, FLP+13, GRM16, GM11, GDJZ18, GIKR19, HK16, HLY14, IRMM+16, JC12, JJZ+16, KAH18a, KC14, KK10, KBH+10, KKC15b, KH14, KAK18, KT12, LSC11, LCC10, LK15b, LR16, LS10a, LXW+19, LT15, LHCL13, LYS14, LYL+19, MWZ+17, MSK15, MKAY11, MS12, MKLW14, MC11, MH19, NKEM11, PGvdG14, PMH+14, QLR+11, RVL+14, ROGHNB+18, SSGB19, SNY+10, SWM+10, ST18b, SRHC12, Tho12, TWTT11, THGT13, VED+16, VB13, WTBT13, WLV+14, WLZ+15, WJY+17, WhCCC12, WZLS16, YyHL11, YP12, YMG15, YYC12, YLH13, YEG+15, ZL18, ZZJ+19, ZOK+19, ZM10]. **Architecture-Aware** [LSC11]. **Architecture-Based** [HLY14]. **Architecture-Centric** [DJO11]. **Architectures** [ARM16, AT16, ARM13, BLN+15, BBI+13, BMM11, BDE+11, BS10, CMO+16, CWF14, CHTD19, CCR+17, DPO17, DKLB15, ERRM16, GD17, GCD+11, GBO+16, HRM+16, HGEG11, JP13, LK10, LP17, LP12, LBN14, LR18, LW15, MGdC+18, MKRM12, NWA12, OWP16, OOD+17, PvdGG12, RMC+15, RMERM19, RKN+18, SLPB18, SLZX15, SL10, Yan14, YHT+16, ZYW+16, ZBK+17, ZBW17]. **Area** [ABH+13, BWV15, DCCK17, DJA11, FAK16, GKB+10, HC17, LSC11, LYOB15, LFH+16, SH12, VALK19, WF17, YXWL16]. **Area-Based** [LYOB15]. **Area-Efficient** [DJA11, FAK16, LFH+16]. **Area-Time** [ABH+13, DCCK17, GKB+10, HC17, LSC11]. **Areas** [YKK+15]. **Arithmetic** [AO12b, Ano11e, AHI12, BLB+19, BF19, BCS11, BdD19, CATB19, FMP19, FVV12, FM19, FML10, GKS14, HSA14, HMO+17, IDG+17, JLMP11, JCK15, Joh17, JMMP16, KMP11, LOC+16, LMB17, NST14, RMC+15, UHSA17, XMH13, ZCW18, ZAG19]. **Arithmetic-Based** [BLB+19]. **Arithmetical** [Kůr12, MEBS17]. **ARM** [BBA19]. **Armed** [KTAvdS16]. **ARMOR** [GDJZ18]. **ARMv8** [SD18]. **ARMv8-A** [SD18]. **Array** [Gor14, LLOS13, NZC11, SBW+16, ZWW19]. **Arrays**

[ASS+18, CVGZ15, DSW+14, DRC14, JWH+15, LB13, SP12, VSC+19, WNCH17]. **Art** [LLK18]. **Ary** [FG10, HK13b]. **ASAP** [BEHL+19]. **ASIC** [MMP13]. **Aspects** [HWG+14, JSC10]. **ASSER** [YTD+17]. **Assertions** [VA11]. **Assessment** [CCD12, EYBK15, XWL+16b]. **Assigning** [MW13]. **Assignment** [CWZ13, HCH15, LXL+13, LDL+17, RCM+16]. **Assisted** [ADC11, ACGP13, CJSM17, JAS+15, LHL+15a, LYT+16, LLX+17, LLLJ13, LLKA19, RTL+18]. **Associated** [Ibr16, RGK15]. **Association** [GY14, SBH11]. **Associative** [DPS11, YMG15]. **Assume** [LH11]. **Assume-Guarantee** [LH11]. **Assumptions** [HMZ+14, SBM15]. **Asymmetric** [GGSPM18, HCY18, KH18, Li12a, LCLC19, RBK+12, YSZ+14, ZFJ+17]. **Asymmetry** [WBGI19]. **Asynchronous** [AF14, CCL+13, HKWC14, KC13, LK18, OMFH14, RZPX19, YHML16, ZLJ+17, ZYY10, ZCR16]. **Atmosphere** [JSE14]. **Atmospheric** [XYF+15]. **Atomic** [WHL17]. **Atomicity** [LJL13, WHL17]. **ATP** [VECD13]. **Attack** [DP13, GDLL18, GV14, MLW12, MSS17, MSS+18, MMP13, PLZW14, SBM15, XJWW13, YWM19]. **Attacks** [AS14, BPBBL13, BK12, CKM15, CSS13, CTL+17, FRB+18, HIJ+19, KSN+15, KASZ13, LFJ+13, OGPK14, PDJ+19, RM15a, SKZS13, SEY14, SBMP18, TJH+15, TIHM18, YLY+15a, YZF+10, YGS15]. **Attestation** [MGdC+18, MBS+12]. **Attribute** [FHR14, RVH+16, SX12, WHZ+15, XHX+17, YLA+15, ZPM+15, ZHW15]. **Attribute-Based** [FHR14, RVH+16, WHZ+15, XHX+17, YLA+15, ZPM+15]. **Auctions** [ZJL+16, ZGWC15]. **Audio** [CJG16]. **Audio-on-Demand** [CJG16]. **Auditable** [HRK17]. **Auditing** [JCM16, LLXC16, LRY+15, WCW+13, WCH+15]. **Augmentation** [NRG15]. **Authentic** [HLT+15]. **Authenticated** [BDMLN16, HL10a, LCCJ13, YRT+16]. **Authentication** [CCW+10, CJ13, Har13, HBCC13, Kim15, KH10, LCLL15, MSKRJ17, SZDL14, ZHW+16]. **Auto** [ABSK15, YXWL16]. **Auto-Correction** [ABSK15]. **Auto-Focus** [YXWL16]. **Automata** [GO10, KKS14, LW13, MSK15, RSG+19, XXBL17]. **Automated** [CCD12, FM19, MSK15, SBMP18, XKT+15]. **Automatic** [BRN+15, BFP11, CLX14, CYA13, GJ14, GAFN15, Sri10]. **Automating** [MRW+15]. **Automaton** [LLL11]. **Automotive** [BCD+16]. **Autonomic** [VECD13]. **Autonomous** [JGHD11]. **Autotuning** [GVPS19]. **Availability** [CS15, WJF+11, WJM15, ZHM+19]. **Available** [Ano11g, Ano11h]. **Avoidance** [CCH+15a, RVH+16, WL13]. **Avoiding** [CRG+13]. **Aware** [AQPMS15, ARS16, BLN+15, BMS11, CFL+18, CSPC12, CYCC11, CNJ14, CZP+16, CTD+16, CPL16, CPL17, CKD+17, CG18, CWTT13, CRJZ16, CGJ+10, DSKH15, FYSK14, FSPD16, FSPD17, FBWMM13, GVPS19, GKD+17, GGSPM18, GBA18a, GHL17, GBD+15, GCF+16, HRM+16, HMR+17, HWZ+12, HV12, HWS+17, HWSX17, HS18, HV13, HWZ+17, HLJ14, HLF14, IPS17, IS11, JSA17, JJK+11, JSC+17, JZLD10, JRJ+18, JWC12, KSS12, KLK18, KIJ14, KS14, KPS+17, KAH18b, KAH19, KSJ+12, KkC15a, KLC18, KCS+13, LKJ15, LSC11, LSC10, LY11, LMNP11, LSK13, LBN14, LKS+14, LK16a, LK16b, LSA18, LYJ+18, LWH+16, LCLC19, Man16, MMCS18, MOYB12, MWY+16, MKM14, OOD+17, PVKA14, PAC+12, PBT13, PBE17, QJM+10, QLH+16, RKZ16, SKPC15, SBP16, SJVR19, SRR+16, SKH16, SLC+15b, SZZ+19, SYK14, TFCY16, VCSG+19, WLK15, WJY+17, WZL+17, WWT+18, WBGI19, WSXZ13, WFY+17, XJFT16,

XCF16, XWH14, XWL+16a, XLL+14]. **Aware** [XLJ16, YCLH16, YCW+19, YTM16, ZLBB19, ZJS14, ZDP+15, ZDYZ13, ZDYZ14, ZV14, ZYL15, ZWW19, ZHQX19, ZQQ11, ZMRQ11, khR+18, JYL+17]. **Awareness** [YHML16]. **Axiomatization** [AGCD16].

B [WLC+15]. **B&B** [BMT14]. **B-Tree** [WLC+15]. **Back** [XSR15]. **Backbone** [ZWX12]. **Backlight** [LHH14a]. **Backoff** [KCRG14]. **Backup** [BR13, LXJD15, MYW11, ZFJ+17]. **Backward** [JRW+14, LLL11, LLW+18, SKZS13]. **Bag** [BMP+10, HV13]. **Bag-of-Tasks** [BMP+10, HV13]. **BAGC** [LSK13]. **Balance** [HHW+18]. **Balanced** [LBS15, ZWYY15, ZCY+16]. **Balancing** [AO12a, ADOKM10, BR13, CHC+15, HC13b, JR17, KRP18, PBL16, QJM+10, RKZ16, SMTK12, SLS+12, Tse12, XAYL15, ZV14]. **Bandits** [KTAvdS16]. **Bandwidth** [CLM+19, FSPD16, JPLP13, LKH16, LYS14, NH10, VC10, YYW+16, YCCWC15, YYP+16, ZRS+16, ZGWC15]. **Bandwidth-Aware** [FSPD16]. **Bank** [SJC+17a]. **Bank-Group** [SJC+17a]. **Banked** [vdBGLGL+16]. **Bare** [QPG10, YXZZ14]. **Bare-Metal** [YXZZ14]. **Barrett** [KVV10]. **Barrier** [WCLY16, Zot10]. **Base** [Wal19]. **Based** [AMR18, AF14, AK15, ABSK15, AKL14, AT16, AHNT16, ADC11, AKTB18, AS16, BLB+19, BBA19, BDM+19, BWV15, BGMR13, BMS11, BF19, BBB+17, BBH12, BDL+13, CCM14, CCK10, CHN14, CMLS15, CJSM17, Cha10b, CK11, CHH+13, CKKS14, CHC+15, CCE+18, CKM15, CMRH17, CHCK12, CHLT14, CCC15, CSW+15, CYC+16, CLOL18, CGL+18, CLCS19, CC11, CYHL14, CYA13, CAGM14, CTS13, CYL+14, CND+18, CH14, CWCS15, DYW15, DYHX16, DP13, DCCK17, DCCK18, DYJ19, DCM16, DA12, DPS11, DJA11, DZ10, DHC+16, DRS+16, DW10, DKK16, DDNT19, EDL+14, EKA17, EYBK15, EGVFC+12, EFGT18, EFPC16, FMTK19, FHH10, FHR14, FAK16, FEM+18, FBR+12, FGS+13, FHW18, GT19, GRM16, GDLL18, GEN+17, GBA18a, GV14, GP14, GNTS13, GTRMG18, GBF+19, GCR+19, GWZ+10, GLP15, GBGI18, GABK11, HTH15, HWZ+12, HSM14, HF15, HMZ+14]. **Based** [HIJ+19, HL10a, HMNN12, HSA14, HKR+18, HLY14, HCSW15, HQLX15, Ima18, JPG10, JDA+16, JC12, JGG+14, JSH+17, JPLP13, JKD+19, KAH18a, KTAvdS16, KM11, KSN+15, KP15, KLK17, KN11a, KN13, KVV10, KASZ13, KAK18, KL13, LBSK17, LRC10, LYOB15, LP12, LMC+15, LSK13, LLCH13, LK16a, LRP16, LW17, LRP+18, LTL14, LOX+13, LS13, LLL15, LLC+15, LLZ+17, LSG+18, LCwW10, LBWH11, LP13b, LPW10, LKLT12, LCH13, LHH14a, LFJ+13, LTW+12, LHYZ13, LCCJ13, LRY+15, LLW+17, LZZ+17b, LMB17, LYJ+18, LLD19, LJ15, LZS+13, LLHC15, LSG+15, LSGZ16, LB15b, LSXP14, LGF+15, MLW12, MGdC+18, MSPK12, MM16, MMCS18, MFT+17, MTFK19, MFG16, MMAC19, MLE14, MB16, MSKRJ17, ML16, MH19, NZLK14, OCK17, OGH+14, OWP16, OKD+16, PN16, PCHS17, PCHS18, PAP13, PTD+12, PB11, Pom12d, Pom15a, Pom16a, PROM15, PMH+14, PdG13, RVL+14, RVH+16, RZZ+15, RKR15, RTRM19, RZPX19]. **Based** [RBMO11, RC14, ROGHNB+18, RM15c, RJV+18, SMP16, SMCN18, SKEB18, SBB18, SC18, SBP16, SDP+12, SCZ+16, SX12, SLC15a, SZG+18, SL10, SKM14, SNM16, SKM+13, STK16, SBMP18, TJH+15, TB15, TWTT11, TIHM18, THM+14, TGNSC11, TAM+16, TKT16, USP+13, VCSG+19, VSF+17, WF12, WL13, WXW+14, WLC+15, WHZ+15, WWY+16, WW16,

WTZ+19, WCL+18, WLM15, WW14, WZCG16, WLS18, WLG+19, WZW+19, XAYL15, XJFH15, XCF16, XMH13, XLX+14, XKT+15, XJW+16, XHX+17, YLGE14, YW12, Yan14, YLGD19, YSZ+14, YTD+17, YYC12, YLH13, YLA+15, Yun12, ZSP+19, ZZ17, ZPM+15, ZLY15, ZOK+19, ZC13, ZM10, ZHW15, ZYY18, ZXX+14, ZCYX15, ZLYS15, JJZ+16].
Based-Encryption [ZHW15]. **BasedX** [KCY18]. **Bases** [ABH+13, ARM13, ERRM16, MH15]. **Basic** [APP12]. **Basis** [AH10, CLL+14, CCR+17, DJA14, ERRMG15, Fan16, Gio12, HF15, KEK16, LLCH13, NWA11, NWA12, RM15b, RMERM19]. **Bayesian** [WP16]. **BC** [YL14, ZWC13]. **BCD** [CDL+17, VAB14]. **BDDs** [FLS16]. **Be** [HLC+19, LOC+16]. **Beaconless** [RS13]. **Beginning** [Ano10f]. **Behavior** [DEE17, QQW+17, SB10, SIB13]. **Behavioral** [SBH11]. **Belief** [ACGP13]. **Belief-Propagation-Assisted** [ACGP13]. **Belt** [WXLL13, WXLY15, WCLY16, XLW14]. **Benchmark** [DSKH15]. **Benchmarking** [YLY15b]. **Berlekamp** [Red14]. **Bernstein** [MRD19]. **Best** [RMB+13]. **Better** [FP19, ZZL14]. **Between** [ADJG19, LK18, ADOKM10, BLMM16, CT13, GHK15, HXL11, LYL+19, PR10, RWZZ14, SCJ+16b]. **Beyond** [BK12, CA12a, IPS17]. **Bi** [ML18]. **Bi-Objective** [ML18]. **Bias** [LVMS18]. **Bias-Variance** [LVMS18]. **Biased** [SMK+16, USH19]. **Bidirectional** [ZHM14]. **BiFI** [SBMP18]. **Big** [CLOL18, GZG+16, JYL+17, KTAvdS16, KLC18, KRP18, KYZC19, LRY+15, MSG14, UMN18, WNCH17, ZDP+15, ZYC16]. **Big-Data** [KTAvdS16]. **Bin** [SXCL14]. **Binary** [ADI11, APP12, AK14, BNP10, BT16, BZ14, BLMM16, CNH13, CHN14, CJSM17, CLC+16, FP19, FNS16, GNTS13, GBF+19, HRM11, HN11, HMNN12, Ima18, JDA15, LCY+19, MBF18, NL15a, TGNSC11, WF17]. **Binary-Ternary** [ADI11, BT16]. **Binary-to-Decimal** [BZ14]. **Binary/Decimal** [WF17]. **Binary128** [HMS+12]. **Binary64** [Nan16]. **Binning** [GKC19, OPV+17]. **Bio** [PBL16]. **Bio-Inspired** [PBL16]. **BioAura** [MSKRJ17]. **Bioinformatics** [WZZ10]. **Biological** [BCMJ10, SKPK10]. **Biology** [LSZ+15]. **Biology-Inspired** [LSZ+15]. **Biomass** [CKN14]. **Biomedical** [BBB+17]. **Biophysically** [ZMR+13]. **BIRDS** [YXZZ14]. **Bisection** [LZ14]. **Bistatic** [WCLY16]. **Bit** [ARM16, CCH+15a, CK15, Fan16, GRM16, GV14, GM12, Ima18, Jes15, LAAM11, LLQ+14, PCZB11, RLRL19, SKZS13, SMK+16, WNKL16, YFJ+14, YUGD14, Zot10]. **Bit-Level** [ARM16]. **Bit-Parallel** [Fan16, Ima18]. **Bit-Slice** [Zot10]. **Bit-Stuffing** [CCH+15a]. **Bit-Width** [CK15, LAAM11]. **Bits** [FKMK16, NL18, NM10, RXC+15]. **Bitstream** [SBMP18]. **Bivariate** [JKMR11]. **Blackbox** [TIHM18]. **BLAKE** [GV14]. **BLAKE-512-Based** [GV14]. **Block** [BFMT16, CHN14, CQW+15, CCY+16, GWM+17, HMNN12, JC12, JW16, KKJH19, LK15a, LYK19, PCHS17, PDJ+19, SNY+10, SZG+18, TMS+14, TCYH15, WLC+15, WZK+19, WLG+19, YSZ+14]. **Block-Based** [WLC+15, WLG+19, YSZ+14]. **Block-Level** [CQW+15, GWM+17]. **Block-Mapped** [SNY+10]. **Block-Precise** [LK15a]. **Blocking** [DVUS14, HWE+16, SRR+16]. **Blocks** [CRG+13, MCM16, RPM16, SKM+13]. **Bloom** [ADC11, HXVF12, LLLP14, ML16, PO13, QZC15, SMRML17, YM11]. **Blue** [WGW+15]. **Bluetooth** [HWK15]. **Board** [Zom12a]. **Boards** [BC16]. **Boolean** [BCTV15, BCTV19, FD16, GBA18a, TSA+19, ZYHZ16]. **Boost** [CVPS19, LKK+19, SSW12]. **Boosted**

[LDP10]. **Boosting** [CCL+18, KAH18b, ZLLX15, khR+18]. **Booth** [JHQL16, LQW+17, VALK19]. **Booting** [Cha14]. **Borrowing** [CCAM14]. **Both** [LXW+19, WHC+15b, ZHM+19]. **Bound** [BMT14, Bin15, Fuj11, WLZ10]. **Boundary** [LKLT12]. **Boundary-Recognition-Free** [LKLT12]. **Bounded** [CCK10, HRK17, SC18, XXBL17, XLW14, ZY12]. **Bounding** [Fuj11]. **Bounds** [FJA+17, FS10, HCCG10, ISC15, MRD19, RMB+13, ST18a, Tse12, TKL+14, YLH10]. **Box** [BTBB14, MKRM11, SWF+19]. **Boxes** [MM17, ST18a]. **BPR** [YKK+15]. **Branch** [BMT14, DEE17, Fuj11]. **Branch-and-Bound** [Fuj11]. **Branching** [STR15]. **Breakpoint** [MSPK12]. **Breakthrough** [CVGZ15]. **Bridging** [FD16, TLL12]. **Brief** [Liu11]. **Broadcast** [BS14, GYC+16, KDEV19, KH10, LTP+14, LWF13, PSM17, QSYS16, WXS12, WQZ+16, XJW+16, ZGY13, ZHW15]. **Broadcasting** [KS10a, YMTV14]. **Broadcasts** [LK15a]. **Broadside** [Pom12c, Pom12b, Pom13a, Pom13b, Pom14, Pom15a, Pom16a]. **Brokerage** [CWTT13, LKLT12]. **Bruijn** [MG16, YMAG17]. **BRW** [CMLRHS13]. **BSM** [YMTV14]. **BTI** [GBA18a]. **BTI-Induced** [GBA18a]. **Bubble** [MWLJ15, WSL+18]. **Buddy** [PCLN15]. **Budget** [AF14]. **Budgeting** [PKC+17, WZM+16, WSL+18, WTZ+19, ZR15a]. **Buffer** [Ano13f, CLZ19, LSK13, LKLM15, LKBS16, MBD11, MD13, MBGS10, OGH+14, PPND17, WW16, OGH+14]. **Buffer-Aware** [LSK13]. **Bufferless** [KC14, ZGY14]. **Buffers** [CVMA10, DKLB15, HGCT13]. **Bugs** [FM19, ZYW+16]. **Build** [PDXZ13, WSXZ13]. **Building** [AHNT16, AVS+14, LFH+16, LZZ+17b, SWZG15, TMS+14]. **Building-Block** [TMS+14]. **Buildings** [WZY16]. **Built** [AK16, LLW+17, Pom14]. **Built-In** [AK16, Pom14]. **Built-Off** [LLW+17]. **Bulk** [SBI12, YZH+15, ZWD+16]. **Bullet** [Ano10g]. **Burst** [HXVQ15, NL15b, NL16a, RV13, ASE17]. **Burstiness** [CMS10]. **Bus** [CYA13, EE17, HHLK12, RVL+14]. **Bus-Based** [CYA13]. **Buses** [BPC12, ST12]. **Buy** [SBI12]. **Buy-at-Bulk** [SBI12]. **BWLOCK** [YAGB17]. **By-Passing** [YKK+15]. **Bypass** [KRP18, MMB14]. **Bypassing** [PSND16, SZL+16]. **Byte** [CCC+18, RV13, SBB18]. **Byte-addressable** [CCC+18]. **Byzantine** [DCK16, KDEV19, LLKA19, VCB+13]. **Byzantine-Resilient** [KDEV19]. **ByzCast** [KDEV19].

C [CZS+19, KLJ+14, MF14, RWC18]. **C-Lock** [KLJ+14]. **C1G2** [SDZ15]. **CA** [SBB18]. **CA-Based** [SBB18]. **CABA** [MSKRJ17]. **CABE** [XHX+17]. **CACC** [CWX+14]. **Cache** [AK19, AYC16, ACW+11, AGFM11, ADC11, BLN+15, CVPS19, CWX+14, CDQB15, CYCC11, CA12b, CKD+17, CLCS19, DPS11, DW10, EF12, FSGAB+16, GKD+17, GGFPG15, HHM11, HK16, HK17, HK15b, HZX+14, IPS17, JAKD18, JSC+19, JZLD10, JKY10, KIJ14, KSEG15, KS14, KLK17, KCL19, KASZ13, KKC15b, KAQC14, KA19, LYH11, LKJ15, LK15b, LWKA15, LKLM15, LKBS16, LHL+15a, LZZ16, LCLC19, MWLJ15, MHK15, MAD14, MMAC19, OOD+17, PBV11, PCZB11, RM15a, RCFP+12, RXC+15, SV18, SZZ+19, SYK14, SZL+16, TAH+16, VKS+16, VYEB17, WMW12, WLT+16, YMG15, ZGR13, ZDYZ13, ZDYZ14, KMC17]. **Cache-Aware** [IPS17]. **Cache-Based** [DW10, KASZ13, MMAC19]. **Cache-Coherent** [MWLJ15]. **Cache-Enabled** [LZZ16]. **Caches** [AVG+15, CXLL16, CFMA19, CRG+13, FKMK16, HWZ+17, KIJ14, LLX+17, MD16,

MUMB11, VPS+12, VSLD15, ZJS14]. **Caching** [CDQB15, HK15b, KJL11, KRP18, LOH17, MCC12]. **CaCo** [ZWW+16]. **CAIF** [SDP+15]. **Calculating** [WLG+19]. **Calculation** [GPN11, SV18]. **Calibration** [DAPS14]. **Call** [Ano10c, Ano11c, Ano11d, Ano11e, Ano11f, Ano13d, CH14]. **CAM** [FAK16]. **Camera** [YASS14]. **Can** [HLC+19, YGS15]. **Candidate** [Pom16b]. **Capabilities** [WJX+19]. **Capability** [ABSK15]. **Capable** [LYH11]. **Capacitance** [FM16]. **Capacitated** [LSX13]. **Capacitive** [YEY+16]. **Capacitor** [CLZ19]. **Capacitor-Powered** [CLZ19]. **Capacity** [CMS10, LK14, NZLK14, OP15, PDXZ13, SRCbL+15, WJL+12, WJL+14, WLYY16, XHLW19, YCKH16, ZJS14]. **Capacity-Based** [NZLK14]. **Capacity-Independent** [YCKH16]. **Capital** [ZMW15]. **Cards** [AVS+14]. **Carlo** [KN13, ZOD13]. **Carry** [DHM16, KT19, Lee17]. **Carry-In** [Lee17]. **Carry-Save** [DHM16]. **Cascaded** [CHC+15, JWC12]. **Cascading** [HWSN15]. **Case** [AR17, BBK10, CCLH10, DZ10, FS10, HHC+18, RCRK13, SD14, UVG16, VIDH19, WZLX12, WJL+14, WRW16]. **Categorical** [PZZQ19]. **Cauchy** [CJK15, ZWW+16]. **Caused** [HWK15]. **Cayley** [LGF+15]. **CC** [RBG+19]. **CCA2** [GV14]. **CCLS** [LCW+15]. **CD** [ZMW+19]. **CD-Xbar** [ZMW+19]. **CDP** [YCL+12]. **CDT** [AMR18]. **CDT-Based** [AMR18]. **CEDA** [VA11]. **Cell** [ALBP14, ASS+18, KO14, NL19, ST16, WZL+17, ZZX+15]. **Cells** [ACM+16, CJK19, Li12a, PRM19]. **Cellular** [KKS14, MSK15, YZH+15]. **Center** [GWMB13, GY15a, GY15b, HLJ14, JRS+15, LXL+14, LW15, LSHC15, SLZX15, ZWH+15, ZMW15]. **Centers** [AQPMS15, CLS14, CPL17, GZB+15, GZG+16, GCL+13, JSE14, LGF+15, Man16, PAP13, SMTK12, SHH+16, WJM15, XLF15, YHT+16, ZR15a]. **Centralized** [AD12]. **Centralizing** [HPR16]. **Centric** [BQP+16, DJO11, HWX15, LOH17, SLC+15b, WZZ10, WLT+16, YPB+16]. **Certification** [Ano10d, Ano10e]. **Certified** [LB15b, MRD19]. **Certifying** [dDLM11]. **CGRAs** [JDA+16]. **Chain** [KCY18, MTFK19, QZL+16, TLL12, ZOD13]. **Chained** [IRMM+16]. **Chains** [JDA15]. **Challenges** [Jun16]. **Change** [DY14, JSC+19, LYB15, LKK+19, NL19, PLM16, PP11, QML+15, WSXZ13, ZZYZ14]. **Channel** [Bar16, BMZ17, BK12, CWZ13, CSS13, CYC11, CATB19, DP13, DKLB15, GYC+16, HMZ+14, HLY14, KASZ13, LGH15, LWY15, LFJ+13, LLW+17, LJL13, NDC+13, RBG+19, SKZS13, SMB+15, STE17, SPTC15, WJL+12, XWL+16a, YMTV14, ZMB18]. **Channel-Based** [LLW+17]. **Channel-Diverse** [LWY15]. **Channel-Hopping** [LWY15]. **Channels** [AP14, Cao12, KW14, LMB+16]. **Character** [LPCW14]. **Character-Set** [LPCW14]. **Characterising** [HT16]. **Characteristic** [AK16, BDE+11, LSG+18, NR15]. **Characteristics** [HMZ+14, LHL15b, VED+16]. **Characterization** [DGC+15, HWSN15, SKC+14, TAH+16, ZLH+15]. **Characterizing** [DEE17, IS14, LLLJ13]. **Charge** [CCL+18, NL15a]. **Charging** [ZWL15]. **Chasing** [LKLM15]. **Chebyshev** [PCHS14, ACO12, Gio12, LCwW10, LPW10]. **Checking** [CYHC14, FLS16, GCLC11, HSH+10, HMC11, LYY16, LH12b, NS13, SP10, Sri10, WNCH17, XXBL17, ZYY10, ZZM+15, CTS13]. **Checkpoint** [BTW13, KwPK+15, LL11, LSA+17]. **Checkpoint/Restart** [LL11]. **Checkpointing** [BCL+17, ECJ+16, HC13a, HCC+18, JT15, LXDV17, SD13, ZYL15]. **Checkpointing/Restart** [ZYL15]. **Checks** [GBGI18]. **Checksums** [NC11, Red18]. **CHERI** [WJX+19]. **Chief** [Lou19, Mon15a, Mon19]. **Chinese** [Fan16].

Chip [ABB17, Ano11d, Ano11f, ARS16, BKH+13, BPT10, CKKS14, CHC+15, CCE+18, CNJ14, CDK+18, CRK10, DMXY14, DAS14, DKLB15, DKG13, EDL+14, EYBK15, FBWMM13, FTP13, GCD+11, GC14, HMD+17, HJBM14, HCSW15, HWE+16, JKY10, JJZ+16, JWC12, JRC14, KC14, KSEG15, KK10, KLK+14, KGGJ14, KLC+16, KKY+16, KCL+16, KH14, LKS+14, LMJ14, LLX+17, LYJ+18, LKMSA16, MWW14, MNFA14, MMCS18, MKAY11, MD13, MKLW14, NVB16, OHCK17, PVKA14, PSND16, RMB+13, RVC+15, RRS+16, RKZ16, SKPK10, SDE+17, SRR+16, SIVH16, SMN+17, SC11, ST17, ST18b, STK16, VYEB18, VCG+12, WMW12, WXW+14, WWM16, WZM+16, WWT+18, WEH+19, WZCG16, WLS18, XCF16, YMK+17, YYC12, ZNL18, ZGY13, ZCY+16, ZMS13]. **Chip-Level** [KLC+16]. **Chip-Multiprocessor** [KGGJ14]. **Chip-Multiprocessors** [FBWMM13, LMJ14]. **Chips** [BMM11, TW10, YCK16, YLGD19]. **Chunking** [WLM15, ZFJ+17]. **CICQ** [JPLP13]. **Cipher** [BFMT16, CMLS15, GCS+13, HZ11, LYK19, ZAG19]. **Ciphers** [KE19, PDJ+19]. **Ciphertext** [ZHW15]. **Ciphertext-Policy** [ZHW15]. **Ciphertexts** [WQZ+16]. **Circuit** [CSS13, CCAM14, FNS16, JLLH19, LJ15, MCT19, NCD+17, NZ15, PSL17, RMKR12, YUGD14]. **Circuits** [AO12b, BCTV15, CL10, CPRH16, DSR15, FM19, FP19, FFL18, GM15, GM12, ISC15, KMM16, LB15a, LHL13a, MVB10, MBF18, NLRB17, NI11, SRCK10, UHSA17, WMG18]. **Circulant** [IRMM+16]. **Circulants** [KP13]. **Circular** [HK15b]. **City** [DHC+16, LDMQ16, WHBR16]. **Clairvoyant** [ZQZ+19]. **ClamAV** [OWP16]. **Class** [RLRL19]. **Classes** [ZYHZ16]. **Classification** [BBH12, CXZ13, CW15, CW16, LMJ14, OPZ15, SDP+15, ST11b, WP16, YFJ+14]. **Classified** [HY12]. **Classifier** [YM11]. **Classifiers** [BMS12, BSS14, BSS15, KGV16]. **Cleancache** [VTW16]. **Client** [BSM+14, MAG+17]. **Client-Side** [MAG+17]. **Client/Server** [BSM+14]. **Clients** [GY14]. **Clifford** [FGS+13, KMM16]. **CLIM** [JRJ+18]. **Clock** [KAH18a, MOMT12, NL14, PPND17, Yam10, CXLL16, LBN14]. **CLOCK-DWF** [LBN14]. **Clocking** [NLRB17]. **Clockless** [BDDL18]. **Clos** [KC14, HMD+17]. **Closed** [KGC14]. **Closed-Loop** [KGC14]. **Closer** [Jun16]. **Cloud** [BDL+13, CLX14, CHLT14, CXYC16, CLW16b, DKW15, EFPC16, FLL14, GSG+15, HLJ14, HLF14, JSE14, JCM16, KKJH19, LLC+15, LYY16, LLXC16, LHH14a, LSL15, LRY+15, LLS+16, MSG14, Man16, MJWT16, MLOL15, ML13, PLP+13, PSM17, PR14, QML+15, RSNK17, SXCL14, SZW+16, SHH+16, TLH+16, VP14, WCW+13, WCH+15, WLK15, WRW16, XL16, XLL+14, XJW+16, XLJ16, YCCJ15, YCLH16, YTD+17, YLY15b, YLA+15, ZDP+15, ZLY15, ZWW+16, ZJL+16, ZYC16, ZLX+16, ZL16, ZL18, ZWC+18, ZGWC15, ZLYS15, Avr13, CSPC12]. **Cloud-Based** [LHH14a]. **Cloud-of-Clouds** [CHLT14]. **CloudGenius** [MRW+15]. **Cloudlets** [RSN+18]. **CloudMon** [WLLZ16]. **Clouds** [ALZ16, CLS14, CHLT14, GHL17, JT15, MNGV16, MRW+15, VP14, WBZ+15, WZL15, WLLZ16, ZCYX15]. **CLU** [ZJS14]. **Cluster** [LTVL15, QWB+13, WZK+19, YZHX12]. **Clustered** [AD12, BPG16, GSL10, USP+13, Yan14]. **ClusterFetch** [RLSK18]. **Clustering** [LCL15, PZZQ19, RD18, SH12]. **Clusterized** [GBO+16]. **Clusters** [ALZ16, CLOL18, DMK+15, HV14b, HQLX15, LZ15, ML18, MRW+15, QJM+10,

ZQQ11, ZMRQ11]. **CMOL** [ALW11]. **CMOS** [DCY+13, PN16, SB16, SRCK10, WWY+16, ZCW18]. **CMOS-Compatible** [DCY+13]. **CMOS-Type** [ZCW18]. **CMP** [IB10, WSZ+16]. **CMPs** [BGM+13, FAA10, GFAM11, JAKD18]. **CNN** [LJG+19]. **cNV** [WWY+16]. **Co** [CI16, LH16, LDL+17, MBD+17, MRL+18, MAHD18, SPTC15, ZJS14]. **Co-Channel** [SPTC15]. **Co-Design** [LH16, MRL+18]. **Co-Optimizing** [ZJS14]. **Co-Scheduling** [LDL+17, MBD+17, MAHD18]. **Co-Transformation** [CI16]. **Coalescing** [WZK+19]. **Coarse** [JLKR19]. **Coarse-Grained** [JLKR19]. **Code** [ADJG19, AFH+10, BKH+13, CJ12, DLC+13, EKJ+10, FKMK16, FSL+17, HT12, KSN+15, NL18, OGPK14, PLM16, SWWC11, VGF16, XLX+14, YLP15, ZXX+14]. **Codec** [SBB18]. **Coded** [HQLX15, LS10a, TYY+16, ZLLX15]. **Codes** [ABA07, CDL+17, DRM16, EBE13, HHKW12, HC17, HBAD14, Jha13, KW14, KLLK11, LSXP14, MNK11, NL15a, NL15b, NL16a, NL16b, PROM15, RV13, Red14, Red19, RLRL19, SEY14, TW10, VAB14, YCW11, YW12]. **Codesign** [PvdGG12, PGvdG14]. **Coding** [BBH12, CHLT14, CXYC16, CJ13, LCLL15, LLL15, LLZ+17, NL19, SSKL16, SRK+17, SZG+18, TYY+16, YY14, YCK10, ZWW+16, Kim15]. **Coding-Based** [LLZ+17]. **Coefficient** [ADJG19]. **Coexistence** [AVG+15, HWK15]. **Coflow** [ZWL+19]. **Cognitive** [BBVL14, YCCWC15]. **Cognizant** [KMJ+11]. **Coherence** [AVG+15, ADC11, FBWMM13, GGFPG15, KSEG15, LHH17, RCFP+12, ST17, VYEB17, YRG13]. **Coherent** [MWLJ15]. **Cold** [LXJD15]. **Collaborative** [ZWL15, ZLYS15]. **Collapsing** [PR10]. **Collection** [CW10, DSW+14, LSK13, LWW11, LDMQ16, LTW+12, RLX15, UMN18]. **Collections** [CYJ+10]. **Collective** [HWS+17]. **Collectors** [ZMY11]. **Collision** [BK12, CWZ13, MMP13]. **Collocated** [HWK15]. **Collusion** [LSS13, RVH+16]. **Colony** [HCSW15]. **Column** [LW17, LXW+19]. **Column-Based** [LW17]. **Combat** [LSS13]. **Combined** [BK12, Jes15, PDJ+19, SMRM17, WF17, WE12]. **Combining** [SLL15]. **COMeT** [RCC14]. **Command** [GCAG16]. **Comment** [GJ15, LCLL15, SCNS10, Tho12]. **Comments** [HWG+14, Jha13, Kim15, Lee12, PCHS14, PCHS16, RM15b, ZM10]. **Commercial** [NY15, NYHB16]. **Commit** [HPR16, JLKR19]. **Commits** [HPR16]. **Commodity** [CJA+16, RTL+18]. **Common** [Pom12c]. **Communication** [AKTB18, BR13, BS16, CCM14, CWF14, CCW+10, CDK+18, DYHX16, GZG+16, HXL11, KW14, KGP15, LHH14b, MTFK19, MAHD18, QJM+10, RS13, SXLC15, SMN+17, VECD13, VYEB17, WLQS13, XWL+16a, YMT13, ZHW+16]. **Communication-Aware** [QJM+10]. **Communications** [CWY13, LGH15, LT15, SSKL16]. **Community** [FLJ14, LDB+17, XAYL15, XWH14]. **Community-Aware** [XWH14]. **Community-Based** [XAYL15]. **Compact** [CCC15, CJK15, OMFH14, SBB18, SVAB14, YP12]. **Compaction** [Pom12d, Pom15c, RPM16]. **Comparable** [WHZ+15, XHX+17]. **Comparative** [AE11, HMA+10]. **Comparing** [Hie13]. **Comparison** [BLMM16, CCH15b, CCLH10, HK13b, Li12a, PTD+12, YLL16]. **Comparisons** [CGT+15]. **Compatibility** [LTP+14]. **Compatible** [DCY+13, WWY+16]. **Competes** [CI16]. **Competition** [FLL14]. **Competitive** [MFG16, MFG14]. **Compilation** [LK10]. **Compiler** [LHL+15a, MB12a, OKC13]. **Compiler-Assisted** [LHL+15a].

Compiler-Directed [OKC13]. **Complement** [LAAM11]. **Complementary** [Bai17]. **Complete** [AGCD16, BS14, BJ12]. **Completely** [LLM+15]. **Completeness** [KLT16, SP10]. **Complex** [AC11, BC16, PRBM13, SZW+16, WE12, WEX14, XLS+12]. **Complexity** [AH10, AO12b, ADOKM10, ARM13, BNP10, BTW13, CHN14, GNSR14, HN11, HMNN12, JCK15, KCRG14, LWW11, OPAGS14, PCHS17, PCHS18, PRBM13, PSL17, WTY+14, WS10, ZM10]. **Complexity-Effective** [KCRG14]. **Component** [CH11, CH13, FEM+18]. **Component-Composition** [CH11, CH13]. **Components** [FS10, MF14]. **Composability** [GRL+14]. **Composing** [LTLC12]. **Composite** [DKW15, LPD+16, MKRM11, ZL19, ZM10]. **Composited** [MG16, YMAG17]. **Composition** [AK15, CT13, CH11, CH13, LH12a, LSSE15, SKPC15, SMCN18]. **Compositional** [VYEB18, ZZM+15]. **Compound** [SX12]. **Comprehensive** [BGPV10, DZLP14, TAH+16]. **Compressed** [BLN+15, LKK+17, LVJ16, ST17, WJX+19]. **Compressing** [PBV11]. **Compression** [AKL18, DN11, DY12, Ged14, HL10b, JSA17, KO14, KWC+16, KN11b, LYH11, LKK+17, XDZ11, ZSP+19, ZLW+17, ZWL+19, dRV12]. **Compression-Induced** [KWC+16]. **Compressor** [KK18]. **Compressors** [MHML15]. **Computable** [LGH+17]. **Computation** [ARM15, AK16, ARH14, AAR19, AH10, BG12, BBVL14, CLW+16a, CCR+17, CND+18, CATB19, DNSS11, GRM16, HSH+10, HXL11, HC17, HLF14, KW14, KLLM12, LAAM11, LLQ+14, LQD+16, LJ13, LJVJ18, MTFK19, MAHD18, Pom12c, QLR+11, RS17, Rus13, TX16, TM18, THGT13, WRW16, XP10, XYHD17, YZHX12, YCCJ15, YLGD19, ZYC16]. **Computational** [BR13, CC16, CFW14, DFP+13, FTP13, HCL+14, HMZ+14, KN11a, LLW+18, MOS14, RMC+15, SH12]. **Computations** [HTA17, KHPP16, RT14, WL13]. **Compute** [DS14, WGR+14]. **Compute-Intensive** [WGR+14]. **Computer** [Ano10c, Ano10d, Ano10e, Ano10b, Ano11e, AHI12, BCS11, BdD19, GM11, HMO+17, LNCX18, MFT+17, MOS14, NST14, NVB16, SLPB18, TJH+15, TSK16, Yam10, YMG15]. **Computers** [Ano11g, Ano11h, BD15, CGT+15, CG18, Li12b, Liu11, Ano15a, Ano16a, Ano17a, BKP16, Ano18a, Ano19a, CHTD19, DPO17]. **Computing** [AKL18, AXS+10, Ano11c, AISA16, BDDL18, CLX14, CHL17, CLOL18, CAGM14, DPO17, EM12, FMTK19, FJA+17, GVPS19, HV16, HLA+17, IBH+13, JAJK15, JKMR11, KFB+15, KYZC19, LT14, LXJD15, LLC+15, LZZ16, LQW+17, LMT13, MSG14, MGdC+18, MFT+17, MSC12, MLOL15, MCXZ18, PDXZ13, PLP+13, PR14, QWB+13, RMB+13, RSNK17, RSN+18, RM15c, RD18, SMTK12, SDMM12, SYD18, SG12, SG13, SCSL12, TLH+16, VIDH19, WCH+15, WHBR16, WRW16, XTF+12, YLA+15, ZGG+16, ZYHZ16, ZJL+16, ZLX+16, ZOK+19, ZV14, ZLYS15, Ano13d, Ano13c, DPO17]. **Concatenation** [Pom12a]. **Concentrate** [WJX+19]. **Concentrators** [RO11]. **Concept** [ZZ19]. **Concertina** [FSGAB+16]. **Concise** [LJG+19]. **Concrete** [BS14]. **Concurrency** [RWC18, ZYW+16]. **Concurrent** [BMP+10, BPC12, CT13, GRM16, GSX+13, GTRMG18, HRM11, KMJ+11, KT19, LLL15, MLW12, MKFM13, MG11a, MKRM10, MKRM11, PWTS16, PRBM13, XYHD17, ZYW+16, ZCL+16, ZZM+15]. **Condition** [YSLL16]. **Conditional** [CCH15b, DCCK18, HFZ13, HBCC13, HK13b, HTC13, LH12a, LKT13, MBB+17, MY10, XJW+16, ZGW14].

Conditional-Diagnosis [CCH15b]. **Conditional-Fault** [LKT13]. **Conditions** [JGG+14, KN12, RDEN10, SMB+15]. **Confidence** [NL16c]. **Configurable** [CLM+19, RSJR17, SKH16, VMB19, WHYS16, vdBGLGL+16]. **Configurable-ECC** [CLM+19]. **Configurations** [SB16]. **Confirmation** [MTFK19]. **Conflict** [CFL+18, RXC+15]. **Conformal** [FGS+15]. **ConformalALU** [FGS+15]. **Congestion** [BKV12, FBR+12, JRW+14, JRS+15]. **Connected** [Amm14, Ano11i, DSPB13, Gor14, SKEB16, SG12, SG13]. **Connecting** [LY11]. **Connection** [JWC12, JRC14, SMG14]. **Connection-Aware** [JWC12]. **Connectivity** [AD10, CTH14, RRS+16, YL14, YLA10]. **Connectivity-Guaranteed** [RRS+16]. **Conquer** [CK15]. **Conscious** [PB16]. **Consensus** [LLKA19]. **CONSER** [MBM11]. **Conservation** [LBWH11, YZHX12]. **Conserving** [LSL15, SC18]. **Considerations** [BF19]. **Considered** [SL13]. **Considering** [GSK12, HL10b, LKLM15]. **Consistency** [AD14, CWX+14, HCC+12, LXL+13, LCX+16, LSGZ16, SLC15a, WHL17, WFT+19]. **Consistent** [BMS12, CLCS19, RWC18, RBIQ15, SJD+18, YWW+16]. **Consolidated** [CGJ+10, JJK+11]. **Consolidation** [MJW+14]. **Constant** [GSF+10, KRR+18, KHPP16, KHZ17]. **Constant-Time** [KRR+18]. **Constants** [UdDG+17]. **Constrained** [CZP+16, FK15, GDY15, KM11, Li12b, LTVL15, MMH14, SN16, SDP11, TLZV11, TCHL18, TLGM17, WMW12, WJL+12, XTF+12, YZH+15, ZHM14]. **Constraints** [GHK15, GZB+15, WLYY16, ZL15]. **Constructing** [ALZ16, GFAM11]. **Construction** [KLT16, MM17, NZC11, SJS10, WCL+18, XHX+17, ZWX12, ZL19]. **Constructions** [AP14]. **Consumer** [KSEG15]. **Consumption** [AO12a, CGJ+10, Dar15, HT12, KLK17, VPS+12, Yan14]. **Contact** [WW14]. **Contagion** [KKH+14]. **Containers** [CT13]. **Containing** [FFL18]. **Contemporary** [ZZ10]. **Content** [ALBP14, CWZC13, FSGAB+16, KL16, MCC12, MBS+12, PO13, SMRM17, SKH16, THM+14, WLT+16, WBGI19, WLM15, ZFJ+17]. **Content-Addressable** [ALBP14, SMRM17]. **Content-Aware** [SKH16]. **Content-Based** [WLM15]. **Content-Centric** [WLT+16]. **Contention** [BD15, BPT10, CA12b, CG18, FJA+17, GGSPM18, KCRG14]. **Contention-Aware** [GGSPM18]. **Context** [FFCB14, SRK+17, YHML16]. **Context-Awareness** [YHML16]. **Contiguous** [CH14, PKY19]. **Continued** [Bra10]. **Continuous** [CCV+11, MSKRJ17, RCC14, WXS12, YCL+12]. **Contributory** [WQZ+16]. **Control** [ABEP16, BIP+17, BGMR13, BDB18, CYCC11, CBTU14, CP10, DSR15, DZD+16, DRS+16, HCZW13, HDYS16, JRS+15, KMLH11, KKY+16, LZ15, LZZV16, MWW14, MWLJ15, MBM11, MBD11, MD13, NZLK14, NC11, RSNK17, RSN+18, SCK10, STR15, TLH+16, TSK16, VA11, WMW12, WHZ+15, XKT+15, YTND12, YLA+15, YAGB17]. **Control-Driven** [DZD+16]. **Control-Flow** [STR15, VA11]. **Controllable** [Hie11]. **Controlled** [ASTU10, PdG13]. **Controller** [JSC+17, MKT+11, NKEM11, Pan16]. **Controllers** [EE17, LMNP11, MKFM13, ZJH+14]. **Converge** [ZMW+19]. **Converge-Diverge** [ZMW+19]. **Conversion** [ADJ12, BZ14, BJ10, LJ15]. **Converter** [CHCK12]. **Convolution** [DWZ18, LJG+19, RBMO11, ZYY18]. **Convolutional** [CDK+18, HHKW12, KBO+19, LYL+19]. **Convolutions** [LPL12]. **Cood** [SMTK12].

Cool [CZ14]. **Cooled** [SVAB14]. **Cooling** [ASS+18, HV14a]. **Cooperation** [CWZ11, OKY+19, YZ15]. **Cooperative** [CWX+14, CWY13, JZLD10, KJL11, LGH15, QSYS16, SL13, SKM14, XWL+16a]. **Coordinated** [LZ15, XLL+18, ZYL15]. **Coordinating** [DSW+14]. **Coordination** [CB15, LBS15]. **Coprime** [GL19]. **Coprocessor** [CWZC13, FGS+13, FGS+15, KCS14, NVB16]. **Copula** [SD14]. **Copy** [DW10]. **CORDIC** [PP16, RS10, SR14, VVMAZ12]. **Core** [BLKM+18, BD15, BCD+16, BBB+17, CZ14, CvdBC18, DYW15, DYHX16, DMK+15, EF12, GP14, HRM+16, IHR+16, JAD+18, KIJ14, KAH19, KKC17, LKH16, LRP+18, LR18, LB13, MB16, Pan16, PCLN15, PBE17, PM14, RVC+15, RTL+18, SJVR19, SNM16, TFCY16, VTA16, WSL+18, WTZ+19, WhCCC12, YSLL16, YYP+16, ZLBB19, ZZ19, ZCY+16]. **Core-Level** [YSLL16]. **CoreRank** [YSLL16]. **Cores** [CCK+16b, HMR+17, IPS17, LKS+14, LPD+16, MMP13, OCK17, RRK11, WSL+18]. **coreSNP** [GAC14]. **Corner** [PMH+14]. **Correctable** [MAD14]. **Correcting** [FKMK16, NL15b, NL16a, RV13, Red14, SBB18]. **Correction** [ABSK15, CJA+16, DHM16, DRM16, NL16b, NL18, PO13, PROM15, RBMO11, RLRL19, TC16, WZL+17]. **Correctly** [BHR17, KLLM12, Lef17]. **Correctly-Rounded** [BHR17]. **Correctness** [CL10]. **Correlation** [SKZS13, SD14]. **Correlations** [LR10]. **Corruptions** [LS10b]. **Cosine** [RMC+15]. **Cost** [AH13, BR13, BCK+16, CMLS15, CCE+18, CJA+16, CPL17, COLK18, DVUS14, GZG+16, GCL+13, HS18, HK15a, HMS+12, HLT+15, JT15, JK15, KS14, KO14, KLT16, LYH11, LK15b, LXJD15, LOC+16, MKFM13, MAD14, MUMB11, ORBM13, OGH+14, SC11, SP12, TKT16, WCLY16, WFT+19, YCLH16, YTD+17, YLY15b, ZC13]. **Cost-Aware** [CPL17]. **Cost-Based** [OGH+14]. **Cost-Effective** [BCK+16, CCE+18, GCL+13, HS18, HLT+15, MUMB11, YTD+17]. **Cost-Efficient** [JK15, LYH11, LOC+16]. **Cost-Sensitive** [KS14]. **Costs** [BTW13, CYC11, KHPP16, WLYY16]. **COTS** [BBP+13, HHC+18]. **Count** [RC14, MCT19]. **Counter** [EE10]. **Counterexample** [LH11]. **Counterexample-Guided** [LH11]. **Countering** [AS14]. **Countermeasure** [MLW12]. **Countermeasures** [BRN+15, BMZ17, GSF+10, YZF+10, ZMB18]. **Counters** [DJN17]. **Coupled** [DMK+15, PBL16]. **Coupling** [TMS+14]. **Cours** [RCFP+12]. **Cover** [XLW14, XLL15]. **Cover1** [Ano12c]. **Cover2** [Ano12d]. **Cover3** [Ano12e]. **Cover4** [Ano12f]. **Coverage** [AD10, AD12, BKH+13, CYHC14, DLL+12, GLTC16, Pom12a, Pom15b, SBH11, WXLL13, WXLY15, WCLY16, XCW+10, YASS14, ZLH+15]. **Coverage-Preserving** [GLTC16]. **Covered** [Amm14, Yun12]. **Covering** [YHH+12]. **Covers** [KP13]. **Covert** [LMB+16, LFJ+13]. **CPS** [ZGB+15]. **CPU** [AF14, CLOL18, GD17, Jun16, KkC15a, LLD19, LMC+12, WGLL13, XYF+15, ZYW+16]. **CPU-Budget** [AF14]. **CPU-MIC** [XYF+15]. **CPU/GPU** [GD17]. **CPUs** [MHRARG+14, MB16, YLML15]. **CRAM** [ZCZ+19]. **Crash** [WFT+19]. **CRAT** [XLL+18]. **CRC** [GRM16]. **Creation** [DRC14]. **Credit** [KP15]. **Credit-Based** [KP15]. **Criteria** [KKT15, Tse12]. **Critic** [ZM17]. **Critical** [ARGT14, BM13b, Ibr16, NL18, ST11a]. **Criticality** [BBD+12, BDBB18, CAbZM18, CGL+18, GGA+17, LRP+18, LLX+17, LGS+18]. **Cross** [CZL+17, JRJ+18, KCW+17, RCK+16, SVD18, VSC+19, ZLH+15].

Cross-Layer [KCW+17, RCK+16, SVD18, VSC+19]. **Cross-Level** [JRJ+18]. **Cross-Platform** [CZL+17]. **Crossbar** [BGMR13, JWC12, PVKA14, RO11, ZMW+19]. **Crossbar-Based** [BGMR13]. **Crosstalk** [CCH+15a]. **Crowdsensing** [HZL+16]. **Cryptanalysis** [Bar16]. **Cryptographic** [ARH+18, BKL+13, CATB19, HSA14, LLK18, SEY14, XZL+19]. **Cryptographically** [MC11, NDG+17]. **Cryptography** [BF19, BJ10, Cil11, GT19, HKR+18, KAK18, LGH+17]. **Cryptography-Related** [Cil11]. **Cryptoprocessor** [GV14, SWM+10]. **Cryptosystem** [SWM+10]. **Cryptosystems** [ADI11, MEBS17, PSM17, ZSP+19]. **CSDA** [Ano10d]. **CSDP** [Ano10e]. **CSMT** [GSL10]. **CTDaaS** [DHC+16]. **Cube** [AH10, HIJ+19, HLJ14, SJS10, TIHM18, YWM19]. **Cubes** [FG10, HK13b]. **Cubing** [AH10]. **Cuckoo** [PRM16]. **Current** [PdG13, SRCK10]. **Currents** [GSK12]. **Curve** [ARM15, ADI11, BJ10, GKB+10, GT19, LGH+17, LJL13, NR15, ZWC+18]. **Curves** [ADJ12, AK14, BDE+11, CMRH17, DJJ+08, FVV12, LT14, Lee12, TX16]. **Custom** [LSC11, LMB17, ÖDSS17]. **Customized** [SDMM12]. **Customizing** [HMD+17]. **Cut** [LXK12]. **Cyber** [HWSN15, LcZLG19, SLC+15b, YLY+15a]. **Cyber-Physical** [HWSN15, LcZLG19, SLC+15b, YLY+15a]. **Cyberspace** [YGS15]. **Cycle** [GHG+14, Iko15, LCH13, XLL15]. **Cycle-Accurate** [Iko15]. **Cycle-Efficient** [LCH13]. **Cycled** [WCM+16]. **Cycles** [AB16, HBAD14]. **Cyclic** [SN16]. **Cyclic-Random** [SN16].

D [HWG+14, KAH+15, LJY+15, TMS+14, WJY+17, WZL+17, ZDYZ14, AD10, ASS+18, AVS+14, CMB13, CCK+16a, CCL+18, CWTT13, CND+18, DYW15, EDL+14, EYBK15, FGS+13, HCY18, JSC10, JKD+19, KKC15b, LJY+15, LLW+17, MWWT13, MSK15, PP16, RVL+14, RKZ16, SKEB18, SPC+18, TLP18, TCHL18, XCF16, YEY+16, YMG16, ZLN11]. **D-MAPS** [KAH+15]. **D-Memory** [HCY18]. **D-Mesh** [RKZ16]. **D-NoC** [SKEB18]. **D-Stacked** [SPC+18]. **D/** [LJY+15]. **DACO** [Tho12, LS10a]. **DaDianNao** [LLL+17]. **dAElite** [SMG14]. **DaemonGuard** [SNM16]. **DAGs** [SF17]. **Damage** [SPC+16]. **Dapper** [XHLW19]. **DARE** [XJFT16]. **Dark** [EKA17, HMR+17, PKC+17, WSL+18, WTZ+19, khR+18]. **DART** [WLV+14]. **Data** [AD14, AQPMS15, AMG17, Ano13f, Ano13g, BLKM+18, CLS14, CCV+11, CT13, CDQB15, CMLS15, CHK10, CCW+10, CLW+15, CPL16, CPL17, CLOL18, CLW16b, DHC+16, FFCB14, FLS16, GWMB13, GYC+16, Ged14, GAFN15, GZB+15, GZG+16, GCL+13, GY15a, GDY15, GY15b, GAC14, HXVQ15, HSM14, HNV19, HWSX17, HS18, HK17, HHY11, HLJ14, HLF14, HLT+15, HHW+18, JGG+14, JSE14, JP13, JRS+15, JCM16, JC11, KTAvdS16, KGV16, KLKL13, KP15, KLK17, KLC18, KRP18, KN11a, KN11b, KYZC19, KKT15, KLT16, LBSK17, LHC+14, LK15b, LKLM15, LKK+17, LS10b, LWW11, LMJ14, LXL+14, LW15, LSHC15, LYY16, LDMQ16, LLXC16, LWF+17, LcZLG19, LTP+14, LZYL13, LRY+15, LLS+16, LWF13, LLHC15, LGF+15, Man16, ML18, MJWT16, MBGS10, NCD+17, OYP+18, PZZQ19, PWTS16, PP10, PSM17, Pom12c, QQW+17, RHC+14, Red11, RWZZ14, RLX15, ROGHNB+18, SMRM17, SST12, SMTK12, SHGW15, SKC+14]. **Data** [SMK+16, SLZX15, ST12, SZW+16, SBW+16, SHH+16, UMN18, UVL+13, VPS+12, VCSG+19, VCG+12, WZZ10, WXS12, WHZ+15, WLYY16, WSZ+16, WBGI19, WSXZ13, WJM15, WAK+17,

XJFH15, XJFT16, XLS+12, XHZC16, XDZ11, XLF15, YY10, YCL+12, YLY+15a, YCK16, YXZZ14, YWQX15, YHT+16, ZR15a, ZZS10, ZZL14, ZWH+15, ZDP+15, ZYC16, ZLX+16, ZFJ+17, ZQZ+19, ZMY11, ZY12, ZMW15, ZWD+16, ZRL15, ZWW19, dRV12]. **Data-Allocation** [UMN18]. **Data-Classifiers** [KGV16]. **Data-Dependence** [KLKL13]. **Data-Driven** [PP10]. **Data-Flow** [CCV+11, GAFN15, MBGS10]. **Data-Intensive** [WSZ+16]. **Data-Mining** [SKC+14]. **Data-Parallel** [ML18]. **Database** [CLW+16a, DYCG16, KSS12, WLC+15, WCH+15, WCL+18, XTW15]. **Datacenter** [ZWL+19]. **Datacenters** [CCC+17, CRJZ16, TJX+17]. **Datapath** [ABSK15]. **Datapaths** [GAFN15, RD18]. **Datasets** [SSGB19, YLY15b]. **DC** [CJK19]. **DC-PCM** [CJK19]. **DCCS** [HK15b]. **DCT** [AKL18, CND+18, XMH13]. **DDoS** [BPBBL13]. **DDRx** [FZL+14]. **Dead** [CSJ+11]. **Dead-End** [CSJ+11]. **Deadline** [Bin15, BGRH15, HCH15, LXL+13, LDL+17, YZH+15, ZWLS15]. **Deadline-Constrained** [YZH+15]. **Deadline-Floor** [BGRH15]. **Deadlock** [DSPB13, FG10, RRS+16, VYEB17, WL13]. **Deadlock-Free** [DSPB13, FG10, RRS+16]. **Deallocation** [PCLN15]. **Deanonymization** [PLZW14]. **Debiasing** [USH19]. **Debug** [COLK18, DN11, DRS+16, MVB10, OHCK17, OCK17, PBV11]. **Debugging** [ABSK15, CCL+13, FM19, KN12, NZ14, WhCCC12]. **Decentralized** [DNSS11, HGML11, RVH+16, SPC+16, YMK+17]. **Decimal** [APP12, BZ14, BLMM16, CHCK12, CDL+17, GVGNCVM16, GNTS13, GJ15, HK13a, TGNSC11, VAM10, VVMAZ12, WF17]. **Decimal-Based** [GNTS13, TGNSC11]. **Decision** [AXS+10, CJSM17, CCO+14, CW15, MRW+15, SDP+15, SJS10]. **Decodable** [NL15b, NL16a, RLRL19]. **Decoders** [CMM15]. **Decoding** [LLC+16, NL18, YCW11]. **Decomposable** [BGM+13]. **Decomposer** [WDSP12]. **Decomposition** [GAFN15, JC12, KEK16, KYZC19, LVMS18, LZZ17a, XHZC16]. **Decoupled** [PVKA14, SCJ+16a, XYHD17]. **Decoupling** [STR15]. **DECS** [CTS13]. **Dedup** [WWY+18]. **Deduplicatable** [HCD+16]. **Deduplicating** [LLXC16]. **Deduplication** [FHL+18, LCH+15, MJWT16, MYW11, WWY+18, XJFH15, XJFT16, YTD+18, ZFJ+17]. **Deduplication-Aware** [XJFT16]. **Deep** [CDK+18, FMTK19, LW13, LPCW14, MFT+17, SSGB19, SJVR19, SSJ+18, ZYC16]. **Defect** [BKP16, CSW+15, Pom16b]. **Defects** [BGPV10, HTH15]. **Deferrable** [LHC+14, RHC+14]. **Defined** [HGL+15, KKP+16, LSHC15, WLJ+16, ZLG+15, ZGG+16, ZFJ+17]. **Degradation** [HGW+17, ORBM13]. **Degraded** [FSL+17, ZLLX15]. **Degree** [CMRH17, Ste14]. **Degrees** [Cil13, UHSA17]. **Delay** [CA12a, CFMS14, DY12, GDY15, HCZW13, JRW+14, LYT+16, MOYB12, NI11, NL14, OMFH14, PROM15, PSL17, RSNK17, SXLC15, WGZ+15, XTF+12, ZRS+16]. **Delay-Constrained** [GDY15]. **Delay-Insensitive** [OMFH14]. **Delay-Tolerant** [CFMS14, HCZW13]. **Delays** [GSK12]. **Delivery** [BLKM+18, FS10, KL16, RS13]. **Demand** [CAbZM18, CQW+15, CJG16, DYW15, LLLJ13, WZY16, WZ14, XLF15]. **Demand-Supply** [DYW15]. **Demands** [LLLJ13, ZJL+16]. **Demarcated** [YMK+17]. **Demotion** [LHTG15]. **Demotions** [LWH+16]. **Denial** [TJH+15]. **Denial-of-Service** [TJH+15]. **Denoising** [LHCL13, dRV12]. **Dense** [JAKD18]. **Density** [KPS+17, KCE+18]. **Density-Aware** [KPS+17]. **DEP** [ASE17].

Dependability [CCD12, RCK+16]. **Dependable** [Ano10c, GM11, GFAM11, IS11, IBH+13]. **Dependence** [KLKL13]. **Dependency** [JLMH10]. **Dependent** [AKL14, JCY+13, KL13, LR13, ZM17]. **Deployability** [TC14]. **Deployed** [WLJ+16]. **Deploying** [BWCW15]. **Deployment** [SZS14, XLW14]. **Derivation** [YLH13]. **Derived** [DRM16]. **Deriving** [CCK10, XXBL17]. **Descriptions** [BFP11]. **DeSIgn** [GEN+17, ABB17, ARH+18, ACW+11, AD16, AS10, ABEP16, Ano11f, BKL+13, BS10, BMS11, CCO+14, CHH+13, CKKS14, CCC15, CHLL16, CYA13, DCY+13, DZLP14, DJO11, EKA17, FFISC13, FAK16, FGS+13, GH11, GJ14, GZC+17, GEvS10, GSX+13, GTRMG18, GSF+10, HFG+17, HHM11, HSA14, HMC11, HHCH11, HKWC14, HWK15, HMS+12, JAKD18, JKY10, JKD+19, JAD+18, Jun16, KSS12, KC14, KW14, KAH+15, KKY+16, KCL+16, KH18, KKS14, LYB15, LH16, LJ18, LCL17, LTLC12, LCW+16, LOC+16, LQW+17, LCY+19, LVF19, LLOS13, MJW+14, MMCS18, MSK15, MOMT12, MRL+18, MLE14, MHML15, MF14, MCT19, NBZP17, PC16, PBT13, PR14, RQ14, SBP+14, SVD18, SCZ+16, SJD+18, SRR+16, SJS+14, ST11a, SZZ+19, SVAB14, SZDL14, TAH+16, TS11, VPS+12, VSLD15, VCSG+19, VAM10, VALK19, VKS+16, VD12, WZBB15, WLT+16, WKB16, WEH+19, WSXZ13, YSZ+14, YCCWC15]. **Design** [ZCZ+19, ZD13, ZL18, ZV14, ZMS13]. **Design-Exploration** [SVD18]. **Design-for-Test** [WEH+19]. **Design-Space** [JAD+18]. **Design-Stage** [TS11]. **Designed** [LS10a]. **Designing** [AO12b, CWZ13, FBWMM13, HK16, HHY11, LMB+16, LCHX11, Red18]. **Designs** [ABSK15, AS12, AS14, BKH+13, CFR+14, CCAM14, FML10, JLLH19, KAQC14, LLC+16, LKS+14, NS13, PSL17, TGNSC11, VTA16, WZCG16, ZYY10, ZZ10]. **Destination** [TC14]. **Destination-Oriented** [TC14]. **Detailed** [Fin10]. **Details** [Bai17]. **Detect** [LXK12, OWP16]. **Detectable** [KT19]. **Detecting** [EBE13, GDJZ18, KW14, Red18]. **Detection** [AHNT16, CVMA10, CJK19, CJ12, CH14, GRM16, GTRMG18, GBF+19, HRM11, HHC+18, HBR11, KMJ+11, KC13, KT12, MLW12, MKFM13, MKRM10, MKRM11, NDC+13, OHCK17, OCK17, ORBM13, OKD+16, PNKI13, PO13, PRBM13, PBT13, PMH+14, RBK+12, RSU17, RBMO11, SPC+16, SRR+16, ST12, TJH+15, TC16, TM18, VA11, VSF+17, WF14, WhCCC12, XJFT16, XCW+10, YHML16, ZZ17, ZYW+16, ZLN11, ZCR16]. **Detector** [Hia16]. **Detectors** [NY15, UVG16]. **Determination** [BBK10, KN11a]. **Determining** [ZRS+16]. **Deterministic** [AK16, CB15, KN11b, RTL+18, YZGG16]. **Determinizing** [CCL+13]. **Development** [BCD+16, MOS14, SAR+11]. **Device** [DA12, JKJ+10, JW16, TLB+17]. **Devices** [CHTD19, CXLX15, CKH15, CYL+14, DPO17, JRP+14, KCRG15, KkC15a, LK14, LZZ+17b, LLD19, OGH+14, SWF+19, SYH17, SHH+16, TCYH15, WKB16, WW16, YCKH16, YCK16, ZLW+17]. **DeyPoS** [HCD+16]. **DFA** [LPCW14, PDJ+19]. **DFT** [CCR+17, Red14, Red19]. **DHT** [SX12]. **Diagnosability** [Cha10a, CL12, CH13, HFZ13, HK13b, HTC13, LXZH16, ZLXW15, ZGW14]. **Diagnosing** [Li12a]. **Diagnosis** [AKL14, AD16, BC16, BGPV10, CH11, CCH15b, HK13b, HWL+14, LVMS18, LKT13, PB16, PR10, Pom16b, SDE+17, TW10, TLL12, Tsa13, YLL16]. **Diagram** [CJSM17]. **Diagrams** [AXS+10, SJS10]. **DIALIGN** [BCMJ10]. **Dickson** [HN11].

Die-Stacked [ZDYZ13]. **Difference** [BS14, BS16]. **Different** [CLM+19]. **Differential** [Bar16, CTL+17, KCW+17, LYK19, LSGZ16, MSS17, SBM15]. **Differentially** [ST18a]. **Differentiated** [CCM14, ZLN11]. **Differentiation** [WMW12]. **Diffie** [FHLOJRH18, LNL+19]. **Digit** [CLL+14, DALD18, EJ15, ERRM16, FBE+18, JPG10, Kor15, RM15b, Rus13, SJS+14, TC16, TAM+16]. **Digit-Level** [ERRM16]. **Digit-Serial** [CLL+14, RM15b]. **Digital** [BIP+17, CK15, KBP13, MG11a, NC11]. **Digraph** [ZLBB19]. **Dilation** [BKV12, KTA+14]. **Dimension** [SBI12]. **Dimensional** [AMVOS+15, AVS+16, CCE+18, JWH+15, KLC18, MEBS17, MKLW14, Pom15c, Ste14, TWTT11, WEX14, Zot10]. **Direct** [IRMM+16, VIDH19]. **Directed** [CM11, CVH+13, LTLC12, OKC13, THGT13]. **Directional** [SZS14]. **Directories** [LFH+16]. **Directory** [CRG+13, LCC10, ST17, ST18b]. **Dirty** [LKLM15, ZZJ+19]. **Disaggregated** [KKJH19]. **Disaggregation** [SHH+16, TJX+17]. **Disaster** [GSG+15, MTFK19, WYL+15]. **Disciplined** [LWKA15]. **Disclosure** [FRB+18]. **Discontiguous** [CH14]. **Discovery** [MCC12, SH12, WYL+15]. **Discrete** [HKR+18, HHCH11, KRR+18, LZZ17a, TWTT11, YFJ+14, CTS13]. **Discrete-Error-Checking** [CTS13]. **Discriminative** [Ged14]. **Disjoint** [AB16, HBAD14, KP13, LY11, SKA10]. **Disjunction** [AD16]. **Disk** [KBH+10, LS10a, LBWH11, RLSK18, SNY+10, Tho12, VC10, WZW+19, XLX+14, ZLWZ15, ZXX+14]. **Disk-Based** [WZW+19]. **Diskless** [HC13a]. **Disks** [Cha10b, JR17, KSJ+12]. **Disparity** [THGT13, TKT16]. **Dispatch** [JR17, LBS15]. **Dispatching** [YCLH16]. **Dispersal** [CWL+17]. **Dissemination** [DKH+13, WAK+17, XAYL15, ZWD+16]. **Distortion** [dRV12]. **Distributed** [ASTU10, BBPQ15, CWZC13, CPL17, DZD+16, DLL+12, DSPB13, DKK16, FEP+12, FSR+18, GBO+16, GZB+15, GZG+16, GW16, HRK17, HSM14, Hie13, HCH15, HC13b, HXL11, HHW+18, LLCH13, LCL15, LS13, LCH+15, LcZLG19, LXK12, MM16, MB12a, SSKL16, SH12, SLC+15b, SWF+19, TLZV11, TPR16, WZK+19, WHL17, XMH13, YY10, YZ15, YTD+18, ZLN11, ZT15, ZCR16, Zot10]. **Distributed-Block** [WZK+19]. **Distributed-Memory** [GBO+16]. **Distribution** [CLS14, HCY18, HS18, LHYZ13, RNS13, THM+14, VC10]. **Distribution-Aware** [HS18]. **Distributor** [Zhe10]. **Disturbance** [CCK+16a, CJK19, JSC+19]. **Diverge** [ZMW+19]. **Diverse** [LWY15]. **Diversity** [JRC14, WGLL13]. **Divide** [CK15, XLW14]. **Divide-and-Conquer** [CK15]. **Divide-and-Cover** [XLW14]. **Divider** [JLLH19]. **Dividers** [AS10, CHLL16, KKS14]. **Dividing** [Yan14]. **Divisible** [CC16, ZR15b]. **Division** [BZ14, CTS13, EJ15, FBE+18, GABK11, HIJ+19, KS10b, LN12, MPZ15, MG11b, Nan16, ST18a, TIHM18, UdDG+17, WE12, YWM19, ZMY11]. **Division-Free** [BZ14]. **Division/Square** [WE12]. **DMA** [VCG+12]. **DMR** [RBMO11]. **Domain** [HXVQ15, VKS+16, ZCW18]. **Domains** [CWZ13, LQD+16]. **Dominance** [PR10]. **Don't** [DJN17]. **Dot** [KKS14]. **Double** [ARM16, AMR18, ARM13, AK14, BNP10, CS11a, CLL+14, DRM16, DJA14, DS14, ERRM16, HK15b, LKLT12, MH15, RLRL19, RM15b, ZGWC15]. **Double-Loop** [CS11a]. **Double-Ruling-Based** [LKLT12]. **Double-Scalar** [DS14]. **Doubling** [SBI12]. **Doubling-Dimension** [SBI12]. **Down** [LRY+15]. **Downloading** [LHH14b].

Downtime [DSY+15]. **DPA** [BK12, GSF+10, LRY+15, MM17]. **DPPC** [MWW14]. **DR** [CLW+19]. **DRAM** [ACM+16, BCC+16, CLW+19, CJA+16, FZL+14, GC16, HK15b, Iko15, JYL+17, KCKL19, LBN14, LK16b, LZZZ13, LHTG15, LWH+16, OCK17, RSJR17, SMA19, SCJ+16b, SCJ+16a, SJC+17b, SPC+18, SD14, WZL+17, WBGI19, ZZ10]. **DRAM-Based** [OCK17]. **DRAM-Latency** [SCJ+16b]. **DRAM/PRAM** [HK15b]. **DRAMs** [SSJ+18, ST16]. **DRINA** [VBR+13]. **Drive** [KLK18]. **Driven** [AD13, BR13, BM13a, BM13b, CMS10, DZD+16, HWX15, LK15b, LGMP10, PP10, PCZB11, RM15a, SAR+11, TLZV11, TS11, YTND12, YHV13]. **Driver** [JW16]. **Drivers** [JKJ+10]. **Drives** [CDQB15, CLZ19, DSW+14, Jun16, LRP16, MLE14, PDXZ13, TAH+16, WFY+17, XWL+16b, YCW+19]. **Drone** [WAK+17]. **Drought** [JGG+14]. **DSRC** [YMT13, YMTV14]. **DT** [SDP+15]. **DT-CAIF** [SDP+15]. **DTNs** [LS13, YZH+15]. **Dual** [GSF+10, GCL+13, HGW+17, KAH18a, KwPK+15, LPL+13, LW15, LXW+19, LW13, PPND17, YTD+18]. **Dual-Addressing** [LXW+19]. **Dual-Clock** [KAH18a, PPND17]. **Dual-Level** [HGW+17]. **Dual-Modular** [KwPK+15]. **Dual-Phase** [YTD+18]. **Dual-Port** [GCL+13, LW15]. **Dual-Rail** [GSF+10]. **DuCNoC** [KAH18a]. **Due** [MD16]. **DUOS** [BSS14]. **Duplication** [WMG18, ZMRQ11]. **Durability** [CDQB15]. **During** [LS10b, UMN18, DN11, KN12, XXBL17]. **Duty** [GHG+14, WCM+16]. **Duty-Cycled** [WCM+16]. **DVFS** [ASE17, EE10, GHK15, GZB+15, HV12, HV14a, KkC15a, LSC10, LY17, LY18]. **DVM** [MSG14]. **DwarfCode** [ZCS16]. **DWF** [LBN14]. **Dynamic** [ABSK15, CBB19, CLS10, CKH15, CFW14, CCP+13, DCV+12, DKK16, FHR14, FKMK16, FCB+19, GVPS19, HCCG10, HCD+16, HHY11, HH17, HV13, HV14b, HCG+16, HLWV17, IHR+16, JSH+17, JCM16, JR17, KAH19, KLKL13, KCRG14, KCL19, KKT15, LKYC12, LK16a, LCL15, LXDV17, LHH14a, LHYZ13, LRY+15, LZA+16, LZS+13, LHTG15, LWH+16, LPL10, MWW14, MSC12, NM10, NH10, OKC13, RBG14, RF14, RDEN10, SKZS13, SJSLD11, WSL+18, WTZ+19, XLF15, YZHX12, YFJ+14, YTD+18, YHV13, YZGG16, YLY15b, YAGB17, ZWC+18, ZLN11]. **Dynamically** [CW15, GLXY13, KGC14, LYJ+18, PPP13, RSU17, TLGM17, YSLL16]. **Dynamics** [JWWZ16, LLL16].

E-MACs [AP14]. **E-Shadow** [TZL+14]. **EAD** [ZMRQ11]. **Early** [SVAB14, VSC+19]. **Early-Stage** [SVAB14]. **Easy** [KT19]. **ECC** [CSCW13, CLM+19, FKMK16, GBGI18, HK17, HCL15, PN16, PCZB11]. **ECC-Based** [PN16]. **ECM** [IDG+17]. **Ecosystem** [Cro14]. **eCryptfs** [XZL+19]. **EDF** [BGRH15, CBB19, CQ14, LXL+13, SL14b]. **Edge** [AB16, CTH14, DHW+19, HBAD14, PMH+14, RSNK17, RSN+18, THGT13, YL14]. **Edge-Connectivity** [YL14]. **Edge-Directed** [THGT13]. **Edge-Disjoint** [HBAD14]. **Edges** [WHC+15b]. **Editor** [Lou19, Mon15a, Mon19]. **Editor-in-Chief** [Lou19, Mon19]. **Editorial** [BKP16, CHTD19, DPO17, Lom11, Lou19, Mon15a, Mon19, WHBR16, XL16, Zom15a, Zom12a]. **Editors** [AHI12, AISA16, Avr13, BKPMC13, BMM11, BS10, BCS11, BdD19, EM12, GC14, GM11, LLK18, MG11a, MOS14, NST14, ST11a, VP14, ZMS13]. **eDRAM** [FHW18, JJZ+16, VPS+12]. **eDRAM-Based** [JJZ+16]. **eDRAM/SRAM** [VPS+12]. **Edwards** [LT14]. **Effect** [BD15, GC16, YMG16]. **Effective** [BCK+16, BTBB14, CXZ13, CCE+18, DCV+12, GCL+13, HS18, HLT+15, JT15,

KCRG14, KCKL19, LYOB15, LY11, LK16a, LVF19, ML13, MUMB11, SST12, SL14a, SP12, WLK15, YTD+17, ZLY15]. **Effectiveness** [CRG+13, SLZX15]. **Effects** [AEGH19, SRCK10]. **Efficiency** [AEGH19, CCL+18, CKH15, Fen14, IPS17, JDA+16, KKC17, LKK+17, LR18, LYCT10, MYHL16, SLL15, ST17]. **Efficient** [ALBP14, AO11, AYC16, ASE17, AP14, AMG17, ASBdS16, Ano11c, BBPQ15, BS15, BSS15, BPG16, BBB+17, BBH12, CVPS19, CFR+14, CHN14, CXZ13, CDQB15, CMLRHS13, CHH+13, CYJ+10, CM11, CS15, CZP+16, CXLL16, CLCS19, CCRL19, CJ13, CDK+18, CWCS15, DCCK17, DHW+19, DCY+13, DZD+16, DKLB15, DJA11, DCK16, DCL+11, DCV+12, DSY+15, DZLP14, DNSS11, EKA17, ECJ+16, EM12, FVV12, FZL+14, FAK16, FAA10, FSL+17, GKB+10, GH11, GBO+16, GKS14, HB11, HCL+14, HV14a, HNV19, HBCC13, Hia17, HMC11, HC17, HNB+12, HQLX15, HDYS16, HLA+17, ISC15, IDG+17, IBH+13, JAKD18, JK15, JP13, JC11, JJZ+16, Joh17, KMC17, KJL11, KLKL13, KLJ+14, KO14, Kim15, KHPP16, KBO+19, KKC15b, KH14, KAQC14, KA19, KCS14, KH10, LYH11, LPL+13, LSC11, LP13a, LK15b, LKLM15, LDP10, LXL+13, LCLL15, LGH15, LWF+17, LHCL13, LCH13, LZ14, LCT11, LN12]. **Efficient** [LHYZ13, LLM+15, LSW15, LXZ+15, LFH+16, LOC+16, LLD19, LKMSA16, LJ13, LJ15, LJVJ18, LSXP14, LCW+15, MWZ+17, MAG+17, MB12a, MH15, MYW11, MBSSA19, MS12, MKRM12, MC11, ML16, NZC11, OPZ15, OPAGS14, PKC+17, PP14, PCHS18, PAC+12, PP10, RMKR12, RURM18, RBK+12, RS17, SRCK10, SVD18, SDMM12, SJD+18, SRK+17, SG12, SZG+18, SWZG15, TLH+16, TH11, TWTT11, TLB+17, TCYH15, TM18, UMN18, USH19, VALK19, VCB+13, VSF+17, WF17, WF12, WHZ+15, WCM+16, WW16, WEH+19, WDSP12, WQZ+16, WLG+19, XL16, XMH13, XHZ14, XLTZ11, XLF15, YY10, YCW11, YMAG17, YTD+17, YM11, YWQX15, YUGD14, Yun12, YYP+16, ZD13, ZWX12, ZGY13, ZWW+16, ZCL+16, ZLJ+17, ZCK19, ZFHC19, ZMY11, ZYY10, ZHW15]. **Efficiently** [GJ14, LGH+17, OGPK14]. **Effort** [RMB+13]. **Eight** [SG13]. **Eight-Approximation** [SG13]. **Eisenstein** [CCR+17]. **EJ** [FB13]. **Elaborate** [SSJ+18]. **Elastic** [CRJZ16, JT15, KKJH19, MBD11, MD13, WBZ+15, YMK+17]. **Electrical** [FM16]. **Electronic** [BC16]. **Element** [MTGM12]. **Elementary** [AFC10, FS10, LJ13, SDP11, dDLM11]. **Elevation** [CZS+19]. **Elevator** [DSPB13]. **Elevator-First** [DSPB13]. **Eliminating** [LKBS16, UMN18]. **Elimination** [RKN+18, XJFT16]. **Elliptic** [ARM15, ADI11, AK14, BDE+11, CMRH17, CZ16, GKB+10, LGH+17, LJL13, NR15]. **ELmD** [BDMLN16]. **Email** [XJW+16]. **Embedded** [ABB17, AAR19, ACM+16, AEP18, ARGT14, BQP+16, BCSR14, BM13b, BGRH15, Cha14, CSS13, CPRH16, DA12, DSB13, DLC+13, EKJ+10, FSR+18, FGS+13, FRB+18, GBO+16, HHLK12, HC17, HT12, HLA+17, JLC10, KSS12, KMLH11, KLJ+14, LSA18, LJVJ18, MW10, MS15, MUMB11, MNK11, OKC13, PAC+12, PC10, PBE17, QLH+16, SWF+19, TB15, TKT16, VSF+17, WLC+15, ZGG+16]. **Embedding** [CMRH17, CS11a]. **EMC** [SZZ+19]. **Emergence** [HJBM14]. **Emerging** [Ano13d, Ano13c, AISA16, BMM11, CHTD19, DPO17, OOD+17]. **Empirical** [DJO11]. **Employing** [MPZ15]. **Empty** [MWLJ15]. **Emulation** [AHK10, EGVFC+12]. **Emulation-Based** [EGVFC+12]. **En-Route** [YLY+15a]. **Enable** [ACW+11]. **Enabled** [KCL+16, LP17, LZZ16, QZL+16]. **Enabling** [CLW+19, DYCG16, GLTC16, LLL15,

SNM16, WHL17, XLL+18, YHML16]. **Enciphering** [CMLRHS13, MLCH10]. **Encoded** [TAM+16]. **Encoder** [HHCH11]. **Encoders** [HHKW12]. **Encoding** [CND+18, LCA10, LSXP14, SKZS13, TAM+16, XHX+17, YCW11, Yun12]. **Encoding/Decoding** [YCW11]. **Encodings** [GJ15, HK13a, MVB10]. **Encrypted** [KGV16, LQD+16, NBZP17, TM18]. **Encryption** [AEP18, BS14, BDMLN16, CMO+16, CLW16b, DOS15, FHH10, FHR14, HZ11, HC17, JSA17, KHPP16, LLC+15, LB13, MRL+18, MBF18, MKRM10, ÖDSS17, PRGBSAC19, RVH+16, RZZ+15, SWF+19, WHC+15a, WQZ+16, XJWW13, XJW+16, XHX+17, ZPM+15, ZHW15]. **End** [CCV+11, CSJ+11, NLP+14, SXLC15, SRCbL+15, YLH10]. **End-Link** [SRCbL+15]. **End-to-End** [CCV+11, NLP+14, SXLC15, YLH10]. **Endomorphisms** [AK14, LGH+17]. **Ends** [PPB+14]. **Endurance** [DY14, FYSK14, HJF+13, JSA17, PLM16, SYK14]. **Endurance-Aware** [FYSK14, JSA17, SYK14]. **Energy** [AO12a, AYC16, ASE17, AE11, Amm14, Ano11c, AS16, BZ15, BPG16, BG12, BBB+17, CFL+18, CSPC12, CA12a, CTD+16, CKD+17, CKH15, CQ14, CKN14, CWCS15, DHW+19, DCY+13, EM12, FAA10, GH11, GKS14, GBD+15, HWZ+12, HV14a, HNV19, HT12, HDYS16, HLA+17, IPS17, IDG+17, JDA+16, JJK+11, JAJK15, JJZ+16, KMC17, KLJ+14, KGGJ14, KKC17, KLK17, KCL19, KSC+14, KKC15b, KA19, KLT16, LK15b, LK16b, LKK+17, LR18, LTL14, Li12b, LGH15, LBWH11, LHH14a, LSL15, LLD19, LZW+15, LJVJ18, LBS15, LCLC19, MHK15, ML18, MWZ+17, MBSSA19, MMH14, NYHB16, NY19, OPZ15, OPAGS14, OKC13, PAC+12, PP10, RMKR12, SC18, SDMM12, SZZ+19, TH11, TFCY16, VPS+12, VSF+17, WWY+16, WLJ+16, WCM+16, XTW15, YZHX12, Yan14, ZLBB19, ZLG+15, ZMW15, ZMRQ11]. **Energy-Aware** [CSPC12, CKD+17, SZZ+19, TFCY16, ZLBB19, ZMRQ11]. **Energy-Balanced** [LBS15]. **Energy-Efficiency** [IPS17]. **Energy-Efficient** [AYC16, ASE17, BPG16, BBB+17, DHW+19, DCY+13, FAA10, GH11, GKS14, HV14a, HNV19, HDYS16, HLA+17, IDG+17, JJZ+16, KKC15b, KA19, LK15b, LGH15, LLD19, LJVJ18, MWZ+17, MBSSA19, OPZ15, OPAGS14, PAC+12, PP10, RMKR12, TH11, VSF+17]. **Energy-Harvesting** [AS16]. **Energy-Saving** [LHH14a]. **Energy-Scalable** [LJVJ18]. **Energy-Time** [BG12]. **Enforcing** [WZL15]. **Engine** [BDB18, CLS10, PWW+11, SLC+15b, SWZG15, VSF+17]. **Engineering** [HGL+15, LLK18]. **Engines** [LCHX11, LB13]. **Enhance** [CCY+16, FSPD17]. **Enhanced** [CSCW13, JRW+14, KLC+16, ML13, SMCN18, SC11, WLS18]. **Enhancement** [CHH+13, HCY18, JSA17, LBWH11, LLHC15, SMP16, ZZYZ14]. **Enhancing** [JC11, KKC17, PCLN15, SMAR+19, ZOD13]. **Enough** [JAJK15]. **Ensuring** [LYY16, MHK15]. **Enterprise** [XZL+19]. **Enterprise-Level** [XZL+19]. **Entropy** [DEE17, GLH+19, KKT15, LB15b]. **Environment** [KFB+15, LDL+17, WSZ+16]. **Environmentally** [MTBB10]. **Environments** [BMT14, CGJ+10, GW16, HCD+16, HGCT13, KC13, LP13b, LWF13, MFG14, WXS12, YHML16]. **EPC** [SDZ15]. **EQAR** [LY11]. **Equal** [DDNT19]. **Equalization** [TLGM17]. **Equalized** [WMG18]. **Equilibrium** [BBVL14, Cro14]. **Equivalence** [PR10, ZYHZ16]. **Equivalent** [BFP11]. **Era** [EKA17, HMR+17, YMG16]. **Erase** [CCL+18, JSH+17]. **Erasure** [CJA+16, HQLX15, LS10a, LSXP14, SZG+18, ZLLX15]. **Erasure-Coded**

[HQLX15, LS10a, ZLLX15]. **Errata** [ZDYZ14]. **Error** [AS12, Bai17, BM11, CHLL16, CJA+16, CZS+19, CFMA19, CCAM14, CTS13, CMM15, DRM16, DZLP14, EBE13, EGVFC+12, FKMK16, GPN11, GTRMG18, HRM11, HHCH11, HBR11, JRJ+18, KMJ+11, KW14, KTA+14, KT19, LR16, LHL13a, LHL15b, LCY+16, LOC+16, LQW+17, MLW12, MRD19, MKFM13, MAD14, MHHS17, MHH+17, MG11a, NEE18, NL15b, NL16a, NL16b, NL18, NC11, OHCK17, OCK17, PNKI13, PCZB11, PO13, PRBM13, PROM15, RSU17, RBMO11, RLRL19, SB16, SBB18, SMRM17, SVD18, TC16, VTA16, VA11, WZL+17, WLG+19, XH16, YW12]. **Error-Detection** [RSU17]. **Error-Tolerance** [HHCH11]. **Error-Tolerant** [CHLL16, LQW+17]. **Error/Fault** [MG11a]. **Errors** [DRS+16, HCC+18, JSC+19, KK10, KCKL19, RV13, Red18, SMAR+19, TM18, UVG16, VSC+19, WBGI19, dOPSR16]. **Essential** [Ano11g, Ano11h]. **Esterel** [LvH12]. **Estimate** [PB11]. **Estimating** [Dar15, MYHL16]. **Estimation** [BJ12, CYHC14, DAS14, DAPS14, EE10, ISC15, LPL10, RM15c, SRCbL+15, SMA19, SRCK10, SDP+12, TKT16, WWT+18, XTW15, YLH13]. **Ethernet** [CWF14, HGML11, JRW+14, JRS+15, SME+17]. **Evaluating** [CPS+10, LHL15b, LOC+16, MBD11, RSG+19]. **Evaluation** [BLB+19, CWF14, CCO+14, EGVFC+12, FTP13, GEvS10, GSF+10, HCL+14, HHM11, HWCH17, JKMR11, JWL+16, JRP+14, KSS12, KCL+16, KKT15, LJ18, LCHX11, MNK11, ROH17, RQ14, RJV+18, dLSGDR17, ST11b, TSK16, WGW+15, WLT+16, WFY+17, YL14, YMT13, YMTV14, ZCL+16, ZWC13, dOPSR16]. **Evaluations** [GLH+19]. **Even** [ARH14, PCHS18, WF12]. **Even-Type** [WF12]. **Event** [CVH+13, HWX15, SMRML17, WNKL16, XAYL15, XLS+12]. **Event-Driven** [HWX15]. **Event/Multiple** [WNKL16]. **Events** [BJ12, LBS15, MB12b]. **Evidence** [EFPC16]. **Evolution** [YZ15]. **Evolutionary** [AD13, HSH+10, RM15c]. **Evolvable** [SOM+13]. **Evolving** [HCZW13, JWWZ16]. **EvolvingSpace** [WZZ10]. **Exact** [BM11, JLMP11, MBD+17, RCRK13, dLSGDR17, XP10]. **Exascale** [YWXZ12]. **Exchange** [EFGT18, FHLOJRH18, GDLL18, SD18, YRT+16]. **Exclusive** [LSHC15]. **Executing** [WLY+14]. **Execution** [ASE17, BBK10, DZ10, GLXY13, GPRS17, KLLK11, KCRG15, LK10, LKK+17, LMB13, Sri10, WLZ+15, WA10, XLC14, ZLSI17]. **Executions** [LKLK13]. **Existing** [FNS16, YTND12]. **Expandable** [GCL+13]. **Expansion** [AVS+14, RCRK13]. **Expansions** [JMMP16, MRD19, RMB+12]. **Expenses** [ZMW15]. **Expensive** [GBGI18]. **Experience** [MBM11]. **Experiences** [LHH14b]. **Experiments** [BM13a, DN11, dRV12]. **Experts** [RF14]. **Exploiting** [AKKH12, CSPC12, CZ14, CCC+17, CLZ19, CWY13, CYL+14, CLMM11, DSR15, DSG+19, EF12, FMTK19, GC16, HCY18, HIJ+19, HJBM14, HK15a, HJF+13, IS14, JCY+13, JRC14, KWC+16, LK14, LWKA15, LR16, LR10, LS13, LWF+17, LJG+19, LCY+16, NLRB17, SSW12, SPC+18, WSL+18, WBGI19, WGZ+15]. **Exploits** [GDJZ18]. **Exploration** [DJO11, JLMH10, JAD+18, KBH+10, Nan16, SMP16, SVD18, SBW+16]. **Explorer** [SQJ+15]. **Exploring** [Cil11, GY15a, HXL11, HJF+13, Jun16, KH18, LPD+16, VMB19, WHC+15a, YXWL16]. **Explosively** [YCKH16]. **Exponential** [BHR17, LP17, VB13]. **Exponentiation** [DCCK18, ERRM16, GLP+12, HMA+10]. **Expression** [OWP16, YP12]. **Expressive** [LFH+16]. **EXR** [LSHC15]. **Extended** [BFMT16, Hia17, JMMP16, LPCW14,

LWK11, Sou15, WJL+14]. **Extending** [FKMK16, JSH+17, PPB+14, RCFP+12, SF17, XWLX17]. **Extension** [ARH14, HRM11, RCC14, Red14]. **Extensions** [RS17, SJVR19]. **External** [LBSK17, LRP16]. **Extra** [CTH14, YL14]. **Extraction** [KCK16, LJY+15, VB13]. **Extractor** [USH19]. **EXTREME** [SPC+18]. **Extremely** [MAD14]. **Extremum** [ZFJ+17]. **EZ** [PDXZ13].

Fabric [GFAM11]. **Fabrics** [AD16, DPO17, VYEB17]. **Face** [FS10]. **Facilitating** [cCWS14]. **Factor** [HL10b, LLS+16]. **Factoring** [GKB+10]. **Factorization** [CND+18, PGvdG14]. **Factors** [MPZ15]. **Fading** [QSYS16]. **Fail** [HCC+18, IGLM15]. **Fail-Stop** [HCC+18]. **Failure** [CVMA10, CSW+15, HL10b, LLL15, LWL+16, MD16, ST12, TS11, WCL+18, XLX+14, XWL+16b, ZXX+14]. **Failure-to-Fault** [HL10b]. **Failures** [FEP+12, HK16, HWSN15]. **Fair** [GGSPM18, KH18, TSK16, VC10, FSPD17]. **Fairness** [FSPD17, LMC+15, TSK16, WMW12]. **Fairness-Based** [LMC+15]. **Faithfully** [DRC14]. **False** [YLY+15a]. **Family** [ARH+18, GPN11, SBM15]. **Farewell** [Zom15a]. **Fast** [ADJ12, AJH15, ASM+16, AD16, BLKM+18, BDE+11, BCMJ10, CLS10, CLW+15, Cil13, DJA14, GNSR14, HNV19, Ima18, IDG+17, JDA15, JAD+18, Kůr12, LNCX18, LL11, LCHX11, LW13, LPCW14, MNFA14, NL18, Pom12b, Red18, SYH17, SMG14, VAB14, WF17, WWT+18, WZ14, YFCV14, YLL16, YUGD14, ZHW+16, ZFJ+17, ZWL+19, GTRMG18]. **Fast-Write-and-Rewrite** [WZ14]. **Faster** [FHLOJRH18, KVV10, ZSP+19]. **Fat** [GY15b, SJSLD11, WXW+14]. **Fat-Tree** [GY15b]. **Fat-Tree-Based** [WXW+14]. **Fault** [AE11, BMT14, BWCW15, BKP16, CKM15, CL12, DCK16, EYBK15, EGVFC+12, GRM16, GV15, HL10b, JK15, JWH+15, JKJ+10, KCRG15, LYK19, LCC10, LH12a, LW17, LKT13, LCY+13, LZS+13, MLW12, MSS17, MG11a, MOMT12, MBSSA19, MKRM10, MKRM11, NI11, PNKI13, PPP13, PR10, Pom12a, Pom15b, QLR+11, RVL+14, RZZ+15, RRS+16, RKZ16, RZPX19, SBM15, SEY14, SDE+17, SJSLD11, SRK+17, SD13, SPH13, SBMP18, TLB+17, TLL12, VCB+13, WBZ+15, WZL+17, ZNL18, ZBK+17, ZBW17, ZL15, ZJXL11, ZQQ11]. **Fault-Aware** [RKZ16]. **Fault-Tolerance** [BWCW15, JWH+15, PPP13, RRS+16, VCB+13]. **Fault-Tolerant** [AE11, BMT14, JK15, LCC10, LW17, LZS+13, QLR+11, RVL+14, SDE+17, WBZ+15, ZBW17, ZQQ11]. **Faults** [Ano13g, DKK16, EFGT18, FD16, HK15a, Li12a, MMC15, MCM16, MKT+11, MD16, PB16, Pom12b, Pom16b, SBM15, ST16, ZHM+19]. **Faulty** [AGFM11]. **FD** [OGH+14]. **FD-Buffer** [OGH+14]. **Feasibility** [ACM+16, WHC+15a, ZD13]. **Feasible** [YZGG16]. **Feature** [AHNT16, LJVJ18, WW14, ZYC16]. **Features** [OWP16, OKD+16, PTD+12, ZMB18]. **Featuring** [RRK11]. **Feedback** [CVH+13, FD16, HZ11, MG16]. **Feistel** [BFMT16]. **Femtocell** [SPTC15]. **FESTAL** [WBZ+15]. **Few** [CLZ19, KKH+14, SBM15]. **FFT** [CYC+16, CCR+17, DCCK17, DCCK18, DALD18, SS12]. **FFT-Based** [CYC+16, DCCK17, DCCK18]. **Fi** [HWK15]. **Fidelity** [SLL15]. **Field** [ABH+13, BNP10, ERRM16, GKB+10, HMNN12, HSA14, LCwW10, MLS19, MKRM11, NWA11, UHSA17, ZM10, ZAG19]. **Fields** [ARH14, HRM11, HN11, JDA15, NR15, ZL19]. **FIFO** [FJA+17]. **File** [CS15, CCY+16, CCC+18, CLCS19, HWSX17, HZW+12, HHW+18, JZLD10, KL16, LYB15, LKBS16, LSW15, MWZ+17,

MLE14, PP11, RURM18, SCZ+16, SL13, SLC15a, SYH17, VCSG+19, WLK15, WLM15, XZL+19, YY14, YSZ+14, ZFHC19]. **Files** [RRK11]. **Filter** [AHNT16, EF12, HXVF12, LKYC12, LK15b, ML16, QZC15, SMRML17, ZL11]. **Filter-Based** [AHNT16]. **Filtering** [CWZC13, FEM+18, RM15c, SL14a, TKT16, YLY+15a]. **Filters** [ADC11, KBP13, LLLP14, NC11, PO13, VIDH19, YM11]. **Financial** [APP12]. **Finding** [Fen14, FK15, YUGD14]. **Fine** [Ged14, LSA+17, LPD+16, PSND16, SSJ+18, SNM16, WZM+16]. **Fine-Grained** [Ged14, LSA+17, LPD+16, PSND16, SNM16, WZM+16]. **Finely** [GT19]. **Finely-Pipelined** [GT19]. **FinFET** [ACM+16]. **Finite** [AWFV13, CWZ11, Hie11, Hie13, LLQ+14, LCwW10, LW13, NWA11, SP10, ZL19, ZM10]. **Finite-State** [LLQ+14]. **Finite-Time** [CWZ11]. **FIPS** [RBG+19]. **Firewall** [YCZ10]. **Firewalls** [YCZ10]. **First** [CCE+18, DSPB13, LPL12, PC16, RBG+19]. **First-Last** [CCE+18]. **First-Order** [LPL12]. **FITS** [CWZ11]. **Fixed** [BDB18, CK15, JCK15, Lee17, MBD+17, NRG15, ZZ19]. **Fixed-Point** [CK15, JCK15]. **Fixed-Priority** [BDB18, Lee17, ZZ19]. **Flash** [AKJ+13, Cha10b, CHK10, CK11, CHH+13, CCK+16a, CQW+15, CWL+17, CCL+18, CLZ19, CC11, CYL+14, DKH+13, DSG+19, FYSK14, FAK16, GKD+17, GWM+17, GCF+16, IS11, JSH+17, KLLK11, LSK13, LKLK13, LK14, LKLM15, LK16a, LRP16, LOX+13, LSG+18, LCY+16, LSG+15, LSGZ16, MLE14, NKEM11, OGH+14, PDXZ13, PP11, PPKW12, PRM19, ROGHNB+18, SNY+10, SKM14, SYK14, TCYH15, UMN18, WLC+15, WW16, WLY+14, YCKH16, YCK16]. **Flash-Aware** [GCF+16, IS11]. **Flash-Based** [CYL+14, FAK16, JSH+17, LSK13, LK16a, LRP16, LSG+15, LSGZ16, MLE14, SKM14, WLC+15, WW16]. **Flash-Cache** [SYK14]. **Flash-Dissemination** [DKH+13]. **Flash-Memory** [CK11, CHH+13]. **FlexCL** [LWZ18]. **Flexibility** [BCTV15, SLL15]. **Flexible** [CW10, CGL+18, CLM+19, DCL+11, GT19, IB10, KLC+16, NS13]. **FlinkCL** [CLOL18]. **Flip** [SMK+16, YTND12]. **Flip-Flops** [YTND12]. **Flit** [MWLJ15]. **Floating** [AMG17, BLMM16, BGHL19, CHCK12, CI16, FKMK16, GH11, GNTS13, GABK11, HMS+12, JPG10, JKMR11, JLMP11, JMMP16, KGD16, LP17, Lef17, LCW+16, MKFM13, Nan19, PGvdG14, SS12, VVMAZ12, VMHGN18, WF17, ZMR+13, ZCK19, dDLM11]. **Floating-ECC** [FKMK16]. **Floating-Point** [BLMM16, BGHL19, CHCK12, CI16, GH11, GNTS13, GABK11, HMS+12, JPG10, JKMR11, JLMP11, JMMP16, KGD16, LP17, Lef17, LCW+16, MKFM13, Nan19, PGvdG14, SS12, VVMAZ12, VMHGN18, ZCK19, dDLM11]. **Flooding** [GHG+14]. **Floor** [BGRH15]. **Floorplan** [WXW+14]. **Flops** [YTND12]. **FLOTT** [GNSR14]. **Flow** [AT16, ASS+18, BCD+16, CCV+11, CBZ14, DDN14, DRS+16, GAFN15, JWL+16, JPLP13, KKY+16, MWLJ15, MBD11, MD13, MBGS10, OPAGS14, PAP13, PTD+12, QSYS16, STR15, SLS+12, TSK16, VA11]. **Flow-Based** [PAP13]. **Flow-Level** [JPLP13]. **Fluid** [JWWZ16, KCE+18, LRP+18, MBM11, LRP+18]. **Fluid-Based** [LRP+18]. **Flush** [LKBS16]. **Fly** [DHM16, Pip11, VCG+12, YLY15b]. **FMA** [BM11, HMS+12]. **Focus** [YXWL16]. **Fog** [ZGG+16]. **Folded** [CTH14, HTC13]. **Fool** [YGS15]. **Forest** [Cro14, LSX13]. **ForestDB** [ASM+16]. **Form** [ACO12, LMZQ17, LPW10, PCHS14, VIDH19]. **Formal** [ABSK15, BIP+17, HTA10, HSA14, LJ18, Rus13, SKEB16, UHSA17]. **Formalizing** [LY17]. **Formation** [LTP+14]. **Formats**

[AMG17, HV16]. **Forming** [JWWZ16]. **Formulas** [CNH13, Ose11]. **Formulation** [GGL+14, ZD13]. **Formulations** [PSL17]. **Forward** [HLT+15]. **Forwarding** [CSJ+11, FS10, MS12, WGZ+15]. **Fourier** [GTRMG18]. **FP** [FVV12]. **FP-Arithmetic** [FVV12]. **FPGA** [ALW11, AD13, BBA19, CJSM17, FML10, GP14, JC12, KAH18a, KN13, KL13, LW17, LMB17, LLD19, MLS19, PTD+12, PBT13, PMH+14, ROGHNB+18, RJV+18, SDP+15, SME+17, TB15, VMB19, YP12]. **FPGA-Based** [BBA19, CJSM17, GP14, JC12, KAH18a, LMB17, PMH+14, ROGHNB+18, RJV+18, TB15]. **FPGAs** [ABB17, AKL14, EKA17, GT19, GEN+17, GBA18a, GTRMG18, HVZ13, IBH+13, KK18, LSC11, LP17, LWZ18, MB16, NZ15, NY15, NYHB16, RURM18, RTRM19, SBMP18, WLV+14, WMG18, WDSP12, BMS11]. **FPTAS** [NRG15]. **FPU** [MKFM13]. **Fragile** [BIP+17]. **Fragmentation** [KWC+16]. **Frame** [DA12]. **Frame-Based** [DA12]. **Frames** [GM15]. **Framework** [ARGT14, BGPV10, CXLL16, DHC+16, Fin10, GVPS19, GZG+16, HCSW15, HDYS16, KPBC17, KCW+17, LKLK13, LR16, LMJ14, LHL15b, LJY+15, LQD+16, LZZ16, LJL13, MYHL16, PBL16, PNKI13, RVC+15, SBP16, SVD18, SCK10, SCZ+16, SMN+17, SPTC15, WZZ10, WLYY16, WLZ10, YTD+18, YZGG16, YAGB17, ZJL+16]. **Free** [BZ14, CT13, CJG16, CSJ+11, DSPB13, FG10, GDJZ18, HTA17, LKLT12, PCHS17, RRS+16, ST11b, WP16, WMG18]. **FREM** [LL11]. **Frequency** [DA12, FCB+19, KkC15a, LHTG15, NYHB16, NY19, WBGI19]. **Freshness** [LHC+14, LcZLG19, RHC+14]. **Friendliness** [KIJ14]. **Friendliness-Aware** [KIJ14]. **Friendly** [FVV12, SZDL14, ZM17]. **Friends** [JWWZ16]. **FSA** [LZS+13]. **FTCAM** [FAK16]. **FTH** [BMT14]. **FTH-B&B** [BMT14]. **FTL** [HLY14, YLH13]. **Full** [WWT+18]. **Full-Chip** [WWT+18]. **Fully** [CMO+16, DOS15, HFG+17, LXK12, WHC+15a]. **Fully-Pipelined** [HFG+17]. **Function** [Bai17, BLB+19, CA12a, CJSM17, DKLB15, HWCH17, RJV+18, Tho15, WEX14, dDLM11]. **Functional** [BCSR14, BC16, GPRS17, GAFN15, JLMH10, JRJ+18, LQD+16, Pom12a, Pom12b, Pom13a, Pom13b, Pom14, Pom15a, Pom15c, Pom15b, Pom16a, YTND12, ZRL15]. **Functionalities** [SBP+14]. **Functions** [AFC10, AR17, BHR17, JLMP11, JRP+14, KM11, KFB+15, LJ13, dLSGDR17, SKM+13, SDP11, TSA+19, ZYHZ16, vdBGLGL+16]. **Fused** [SS12, WF17, ZYW+16, ZCK19]. **Fuzzy** [EFPC16, GSH+14, LZ15, PdG13, USH19, XJWW13]. **Fuzzy-Controlled** [PdG13]. **FV** [MRL+18, RJV+18].

Gains [CA12a]. **Galois** [HSA14, UHSA17]. **Game** [CB15, EFPC16, SCK10]. **Games** [BSM+14, BKV12, CFW14]. **Gaming** [DGC+15]. **Gappa** [dDLM11]. **Garbage** [CW10, DSW+14, LSK13, LTW+12, UMN18]. **Gate** [GSK12]. **Gates** [Ibr16]. **Gateway** [SME+17]. **Gathering** [WLYY16, ZMY11, ZY12]. **Gating** [LW17, RRK11]. **Gauges** [ROGHNB+18]. **Gauss** [CCR+17]. **Gaussian** [AMR18, AB16, ARM13, ERRM16, FB13, GPR+19, HFG+17, HKR+18, KRR+18, RMERM19, WJL+12, WZCG16, ZGY13, ZGY14, ZR15b]. **GCM** [JL11, MKRM12]. **GCMA** [PKY19]. **GDP** [WTZ+19]. **Gene** [WGW+15]. **Gene/Q** [WGW+15]. **General** [GZG+16, HTA17, LKLK13, LL11, LJL13, SHGW15, SJVR19, WLZ10, ZBW17]. **General-Purpose** [SJVR19]. **Generalization** [CSCW13, JDA15]. **Generalized** [BFMT16, GL19, HBAD14, JWL+16, PAP13]. **Generalizing** [LP13b]. **Generate** [BGM+13]. **Generated**

[CW15, YLY15b]. **Generating** [AFH+10, HT16, LB15a, SN16]. **Generation** [AK16, CM11, CYA13, CCD12, FM19, FD16, GT19, GJ14, GSK12, NZ14, NM10, Pom14, Pom16a, TXL11, USP+13, VK15, ZLY15]. **Generator** [CLC+16, Jes15]. **Generators** [MG16, YMAG17]. **Generic** [WCL+18]. **Genetic** [CJSM17, LJVJ18, QML+15]. **Genomic** [KPBC17]. **Genomics** [GKC19]. **Genuine** [WJY+17]. **Geo** [BBPQ15, CPL17, GZB+15, GZG+16]. **Geo-Distributed** [BBPQ15, CPL17, GZB+15, GZG+16]. **Geographic** [CSJ+11, CBVL16]. **Geometric** [EG11, FGS+15, SZS14, WF14]. **Geometry** [EG11]. **Georouting** [RS13]. **Getting** [Jun16]. **GF** [GT19]. **GliFreD** [WMG18]. **Glitch** [FNS16, WMG18]. **Glitch-Free** [WMG18]. **Global** [GYC+16, GHK15, MTGM12, YPB+16, ZL15]. **Globally** [GGA+17]. **GNB** [PCHS18, WF12]. **Goldschmidt** [KS10b, KKS14, PB11]. **GPGPU** [ADP+15, CVPS19, LLC+16, MWZ+17, YEG+15]. **GPGPU-MiniBench** [YEG+15]. **GPGPUs** [JJZ+16, LKJ15]. **GPS** [LKLT12]. **GPS-Free** [LKLT12]. **GPSR** [LYCT10]. **GPSR-Like** [LYCT10]. **GPU** [CLOL18, DALD18, GD17, GBF+19, KLC18, LR16, LSA18, LMT13, MTFK19, PTD+12, SCSL12, SKYK16, VCSG+19, VAN+18, WZK+19, XHZC16, ZS13, ZYW+16, ZRL15]. **GPU-Accelerated** [MTFK19, SCSL12]. **GPU-Aware** [KLC18]. **GPU-to-GPU** [ZS13]. **GPUs** [LWKA15, LKK+17, LLCC13, MB16, OYP+18, OKY+19, XLL+18, YLML15, ZMW+19, vdBGLGL+16]. **GPUvm** [SKYK16]. **Gradients** [Cro14]. **Grain** [SBM15]. **Grained** [CCY+16, Ged14, JLKR19, LSA+17, LPD+16, PSND16, SNM16, WZM+16]. **Granular** [KKT15, LFH+16]. **Granularity** [LHH17, QZC15, SSJ+18]. **Graph** [DHW+19, DLL+12, GZC+17, GWZ+10, PPB+14, SX12, SD13, WZW+19, XYHD17, ZLXW15]. **Graph-Based** [SX12]. **Graphics** [CCLH10, GBA+18b, HTA17, LR10, dOPSR16]. **Graphs** [CH11, CL12, CH13, CCH15b, HFZ13, HLWV17, HNB+12, LMB13, MBB+17, MY10, SBI12, UMN18, ZLJ+17, dRV12]. **Gray** [ABA07, BTBB14, BBH12, Jha13, HBAD14]. **Gray-Box** [BTBB14]. **Greedy** [EG11, GLXY13, WTZ+19]. **Green** [QML+15, LWKA15]. **Greening** [LSHC15]. **Grid** [AD14, WZY16, ZV14]. **Grids** [BR13, HV13, SH12]. **Group** [CLW16b, HFZ13, HL10a, Har13, Hia16, JCM16, LHYZ13, LCCJ13, SJC+17a, TKL+14, ZYHZ16]. **Grouping** [GWZ+10, LBWH11, SDZ15]. **Grow** [DYJ19]. **Grow-and-Prune** [DYJ19]. **Growing** [YCKH16]. **GSV** [MTGM12]. **Guarantee** [AD14, LZ15, LH11, WZLX12, ZWC+18]. **Guaranteed** [CWTT13, GY13, KS10a, MLOL15, PKY19, RRS+16, RS13]. **Guaranteeing** [NLP+14, ZRS+16]. **Guarantees** [FS10, HC13b, ZWLS15]. **Guardband** [KAH19]. **Guardbanding** [RBG14]. **Guessing** [XJWW13]. **Guest** [BKP16, CHTD19, DPO17, WHBR16, XL16, AHI12, AISA16, Avr13, BKPMC13, BMM11, BS10, BCS11, BdD19, EM12, GC14, GM11, LLK18, MG11a, MOS14, NST14, ST11a, VP14, ZMS13]. **Guided** [LSG+18, LH11, NC11, SRK+17, TKT16].

H [JAS+15]. **H-SVM** [JAS+15]. **H.264** [SRK+17]. **HALLS** [KA19]. **Hamiltonian** [AB16, HBAD14]. **Handauth** [HBCC13]. **Handling** [CBB19]. **Handover** [HBCC13, JLKR19]. **Hard** [AE11, CW10, CYCC11, EKA17, HV12, HK15a, KMC17, KK10, LP17, MBSSA19,

RCN11, WLY+14, WA10, XWL+16b]. **Hardened** [CPRH16]. **Hardening** [KwPK+15, MTGM12]. **Hardness** [JWH+15, XTF+12]. **Hardware** [ADJ12, AVG+15, AS10, ADC11, BQP+16, BEHL+19, BKPMC13, BCSR14, BDMLN16, BCMJ10, CMLRHS13, CVH+13, CCAM14, DJJ+08, DOS15, DW10, DKK16, ERRMG15, FVV12, GKB+10, GBD+15, GLP15, GCS+13, HFG+17, HSA14, HWG+14, HCG+16, HC17, HGEG11, HNB+12, JSC10, JAS+15, KAK18, KT12, LK10, Lee12, LH16, LKH16, LCL17, LLW+11, LTLC12, LGH+17, LLKA19, MGdC+18, MSPK12, MLCH10, MGW14, MW10, MRL+18, MKRM12, MF14, NDC+13, OWP16, OKD+16, PC16, ROH17, RWC18, RCK+16, RTL+18, RM15c, SOM+13, SBP+14, SKPK10, SDP11, TW10, TB15, TCK+18, TGNSC11, THGT13, TS11, USP+13, UdDG+17, VAN+18, VIDH19, WGW+15, WHYS16, XMH13, YCK16, ZCZ+19, ZZ17, ZYW+16, ZL19, ZM17, ZAG19, Zot10]. **Hardware-Assisted** [ADC11, JAS+15, LLKA19, RTL+18]. **Hardware-Based** [MGdC+18, OKD+16, RM15c, USP+13]. **Hardware-Efficient** [XMH13]. **Hardware-Friendly** [ZM17]. **Hardware/Software** [HWG+14, JSC10, LK10, LH16, MRL+18, WHYS16]. **HARL** [HWSX17]. **Harmonised** [HT16]. **Harmony** [LYL+19]. **Harvesting** [AS16, CQ14, MMH14]. **Hash** [AR17, AS16, HC13b, LRY+15, vdBGLGL+16]. **Hash-Based** [AS16]. **Hashing** [ASBdS16, BKL+13, LLL11, PRM16]. **HDD** [HWS+17]. **HDD/SSD** [HWS+17]. **Healing** [CWL+17]. **Health** [BWCW15, GLTC16, XWL+16b, ZL18]. **Healthy** [YSLL16]. **Heating** [CWL+17]. **Hellman** [FHLOJRH18, LNL+19]. **HEPCloud** [RJV+18]. **Heterogeneity** [CCC+17, CNJ14, CCK+16b, CLMM11, HWS+17, HWSX17, LK14, LPD+16, XLJ16]. **Heterogeneity-Aware** [CNJ14, HWS+17, HWSX17]. **Heterogeneous** [AQPMS15, AT16, Ano11f, BMP+10, BPT10, CFR+14, CLS14, CLOL18, CRJZ16, CYC11, CDK+18, DSB13, DFP+13, FMTK19, FAA10, GY14, GW16, HLA+17, JKD+19, KPS+17, KFB+15, KKC17, LRC10, LR18, LXDV17, LTVL15, LZZV16, MYHL16, NEE18, PKC+17, PBL16, QWB+13, TLZV11, TCHL18, ZLBB19, ZJL+16, ZQQ11, ZLLX15, ZMS13]. **Heterogeneous-ISA** [TCHL18]. **Heuristic** [JWH+15, KCS+13, KL13]. **Heuristics** [IB10]. **Hierarchical** [BMT14, BBB16, HWCH17, KKY+16, NH10, PZZQ19, TLH+16, TLB+17, ZHW+16]. **Hierarchy** [DHW+19, GO10, LKJ15, OOD+17]. **Hierarchy-Aware** [OOD+17]. **High** [ARM16, AFC10, AS10, ASBdS16, Ano13f, AS12, BGHL19, CCH+15a, CLM+19, CWY13, CDL+17, FFISC13, FEM+18, FG10, GZC+17, GAFN15, GJ15, GY13, GCS+13, HK13a, HZ11, HLY14, IS11, JDA+16, JC12, JHQL16, KAH18a, KIJ14, KBH+10, KLC18, Kor15, KAK18, KHZ17, LLC+16, LS10a, LMJ14, LCL17, LZZ+17b, LSG+15, MEBS17, MM17, MIS+14, MKRM11, MKRM12, NWA12, ORM10, OPV+17, OMFH14, PLM16, PP11, PvdGG12, PBT13, QWB+13, QLH+16, RVL+14, RSG+19, SMTK12, SCSL12, SME+17, Tho12, TCK+18, VC10, VAM10, WWY+18, WDSP12, XJFH15, YP12, YAG19, ZZ17, ZL16, ZLSI17, ZZJ+19, ZMW+19, ZCC+14]. **High-Dimensional** [KLC18, MEBS17]. **High-Level** [GAFN15, MIS+14]. **High-Performance** [AS12, FG10, GCS+13, HLY14, IS11, JC12, JHQL16, KBH+10, KAK18, LS10a, LZZ+17b, LSG+15, MKRM11, MKRM12, ORM10, PP11, PvdGG12, QWB+13, RVL+14, SCSL12, VAM10, WWY+18, YP12,

YAG19, ZZJ+19, ZMW+19].
High-Precision [BGHL19]. **High-Radix** [AS10, Kor15]. **High-Speed** [ARM16, Ano13f, CCH+15a, GJ15, GY13, HK13a, HZ11, NWA12, PBT13]. **High-Throughput** [AFC10, FFISC13, KAH18a, LCL17, OMFH14]. **Higher** [BMZ17, UHSA17, ZMB18]. **Higher-Order** [BMZ17, ZMB18]. **Highly** [CCP+13, GEN+17, IBH+13, KA19, SZDL14]. **History** [LBN14, Liu11]. **Hoc** [CWZ11, CS15, CWTT13, CWY13, DLL+12, FS10, GDY15, LYCT10, RDEN10, TH11, XWY10]. **Hole** [Amm14, PC16]. **Holes** [MMB14, WS15]. **Holistic** [MJW+14, STK16]. **Homogeneous** [ML18, TFCY16, ZMRQ11]. **Homomorphic** [CMO+16, CJ13, DOS15, KGV16, Kim15, LCLL15, MLW12, MRL+18, MBF18, ÖDSS17, RJV+18, WHC+15a, YCK10]. **Hook** [MAG+17]. **Hop** [LWY15, MWY+16, ZY12]. **Hope** [SD18]. **Hopping** [LWY15]. **Horizontal** [LLD+16]. **Host** [CH14, SRCbL+15, WFY+17, YCW+19, ZS13]. **Host-Aware** [YCW+19]. **Host-Based** [CH14]. **Host-to-Host** [ZS13]. **Hosting** [PAP13]. **HotGraph** [ZLJ+17]. **Hotspot** [STK16]. **Hotspots** [GBF+19]. **HOWP** [LHYZ13]. **HOWP-Based** [LHYZ13]. **HPC** [HLC+19, SC18]. **HRC** [WJY+17]. **HRT** [WLY+14]. **HRT-PLRU** [WLY+14]. **HUB** [VMHGN18]. **Human** [OPZ15, SLC+15b, WW14]. **Human-Centric** [SLC+15b]. **Hundred** [DJN17]. **HW** [DMK+15, MH19]. **HW/SW** [MH19]. **Hybrid** [ARM16, ADI11, AYC16, AFH+10, Ano13g, ARM13, BBB+17, Cha10b, CC11, CDL+17, DHW+19, DJA14, ERRM16, FRB+18, GD17, GCD+11, GY13, HNV19, HWS+17, HCL15, HK15b, HV14b, JYL+17, KKY+16, LBN14, LCL15, LLL11, LLW+11, LFH+16, LLD19, LKMSA16, LCLC19, MRW+15, RVL+14, RSNK17, RBG+19, SMA19, SPTC15, SME+17, SR14, TAH+16, VSLD15, WWY+16, WGLL13, WS15, WLS18, XXBL17, YY10]. **Hybrid-Double** [ARM16, ARM13, DJA14, ERRM16]. **Hybrid-Memory** [BBB+17]. **Hybrid-Switched** [LKMSA16]. **Hybrid-Systems** [AFH+10]. **Hybrid-Triple** [ERRM16]. **Hydra** [SNY+10]. **Hyper** [ADP+15]. **Hyper-Real-Time** [ADP+15]. **Hyperbolic** [EG11, dLSGDR17]. **Hypercube** [SKA10, Tsa13, WW14, YLL16, ZWYY15]. **Hypercube-Based** [WW14]. **Hypercube-Like** [Tsa13, YLL16]. **Hypercubes** [CTH14, HTC13, HBAD14]. **Hypermesh** [HWL+14]. **Hyperperiod** [RBR13]. **Hypervisor** [JAS+15, SKYK16]. **HyVE** [DHW+19]. **HyWin** [GD17].

I/O [BBP+13, DYHX16, GKD+17, HWS+17, HS18, HQLX15, HLC+19, KSJ+12, KRP18, LKBS16, SYH17, SHH+16, TAH+16, ZL16]. **I/O-Redirection-Based** [HQLX15]. **I/Os** [WZW+19, ZLWZ15]. **IaaS** [FLL14, GHL17]. **iAware** [XLL+14]. **IBM** [MBC+13]. **iBuddy** [PCLN15]. **ICCI** [GGFPG15]. **Ice** [ADP+15, SVAB14]. **ICs** [SVAB14, XCF16, YEY+16]. **ID2S** [YRT+16]. **Ideal** [RM15a, SMB+15, SWZG11, WCL+18]. **Identical** [OCK17]. **Identifiability** [ZC13]. **Identification** [BTBB14, LWL+16, Pom12b, YXWL16, ZCC+14]. **Identifiers** [HT16]. **Identifying** [Ibr16]. **Identity** [FHH10, HSM14, LLC+15, XJW+16]. **Identity-Based** [FHH10, HSM14, LLC+15, XJW+16]. **Idle** [CYL+14]. **Idle-Time** [CYL+14]. **IEEE** [Ano10d, Ano10e, Ano10b, Ano13e, Ano15a, Ano16a, Ano17a, BKP16, CTS13, HXVQ15, Liu11, NBZP17, SMB+15, ZICL12, ZNL18, Ano13c, Ano18a, Ano19a, CHTD19, DPO17]. **If** [YGS15]. **IIPS** [WZBB15]. **IIR** [VIDH19].

IMA [NLP+14]. **Image** [AKL18, FGS+15, PTD+12, SOM+13, TKT16, ZGG+16]. **Images** [LHCL13]. **Imaging** [KN13]. **Impact** [CBTU14, GBGI18, KBP13, MKT+11, PC10]. **Implement** [CXLL16]. **Implementation** [AFC10, Bai17, BM13a, BDMLN16, CFR+14, CS11b, DJJ+08, FVV12, FHLOJRH18, FGS+13, GKB+10, GLP15, GCS+13, IDG+17, JRC14, KSS12, KMLH11, KGV16, Lee12, LYB15, LCH13, MLE14, MNK11, PRM16, QWB+13, RM15a, SDP+15, SJS+14, SDP11, SS12, YSZ+14, Yun12, ZPM+15, ZL18, dDLM11]. **Implementations** [BJ10, CMLRHS13, CCRL19, ERRMG15, LGH+17, MLCH10, MG16, SMRML17, STE17]. **Implemented** [GTRMG18, RURM18]. **Implementing** [BMS11, CCV+11]. **Implication** [Tho15]. **Implications** [SLLG15, WCM+16, ZWD+16]. **Importance** [YRG13]. **Imprecise** [LGS+18]. **Improve** [CJA+16, LYCT10, LHH14b, MJWT16, YCK16]. **Improved** [ABH+13, BLB+19, CNH13, CHCK12, DS14, Fuj11, GPR+19, HIJ+19, HJF+13, LT14, LHPH15, Lee17, LCH+15, LCCJ13, MWW14, MLS19, MM17, MG11b, Ose11, Pom12a, RCN11, SJS10, VAM10, WJM15, ZGB+15]. **Improvement** [CK11, CZ16, MEBS17, Pom15b, WCM+16, ZWD+16]. **Improving** [AK19, CDQB15, CHK10, Fen14, HGCT13, JZLD10, KLK18, LK14, LKK+17, LR18, LLW+11, LCY+16, Pom16b, RKR15, SMK+16, WZL+17, WJF+11, XLC14, YyHL11, YCW+19, ZHM+19]. **Impulse** [LHCL13]. **In-Cache** [GGFPG15]. **In-Line** [ROGHNB+18]. **In-Memory** [CLOL18, GIKR19, SSGB19, SCZ+16, ZCZ+19, ZHQX19]. **In-Memory-Computation** [AAR19]. **In-Network** [VBR+13]. **In-Order** [RRK11]. **In-Place** [LNCX18]. **In-Situ** [NY15]. **In-System** [SN16]. **In-the-Field** [MLS19]. **Incentive** [FLJ14]. **Incoming** [Lou19]. **Incomplete** [NS13]. **Incorporating** [SRCK10]. **Increased** [PRM16]. **Increasing** [CRG+13, DY14, MMAC19, NLP+14]. **Incremental** [BC16, CLW+16a, DLC+13, TC14]. **Independent** [DEE17, MPZ15, MKRM10, TYWC10, Tse12, USP+13, VED+16, YCKH16]. **Index** [AKJ+13, Ano11a, Ano12a, Ano13a, Ano14a, Ano15a, Ano16a, Ano17a, Ano18a, Ano19a, DALD18, KLK17, KLC18, SJD+18]. **Index-Based** [KLK17]. **Index-Digit** [DALD18]. **Indexing** [GYC+16, RXC+15, WYL+15, XJFH15]. **Individual** [dRV12]. **Induced** [DSG+19, GBA18a, HK16, KWC+16, ST16, dOPSR16]. **Inductions** [LDP10]. **Inductive** [TMS+14, YEY+16]. **Inductive-Coupling** [TMS+14]. **Industrial** [SXLC15]. **Inefficiency** [LZW+15]. **Inexact** [AKL18, LCW+16]. **Infected** [YKK+15]. **Inference** [LJVJ18, NY19, XP10]. **Information** [CWTT13, GGFPG15, HCSW15, LOH17, LKLT12, OPAGS14, RKN+18, SLL15, WHC+15b]. **Information-Centric** [LOH17]. **Infrastructure** [HLF14, MCC12, WZBB15, XH16]. **Inherently** [SKA10]. **Inheritance** [BGRH15]. **Inherited** [HH17]. **Injection** [EGVFC+12, PNKI13, YLY+15a]. **Injections** [SBMP18]. **Inline** [WWY+18]. **Innovation** [DPO17]. **Input** [ACGP13, BGMR13, Ibr16, NCD+17, SJS10, ZWLS15]. **Input-Queued** [ACGP13, BGMR13]. **Input/Multi** [TWTT11]. **Inputs** [BCK+16]. **Insensitive** [OMFH14, XSR15]. **Insertion** [JSC+19, YTND12]. **Inspection** [LW13, LPCW14, ROGHNB+18]. **Inspired** [LSZ+15, PBL16, SCJ+16b]. **Instance** [JT15]. **Instant** [YXZZ14]. **Instantiating** [CMRH17]. **Instruction** [DZ10, GBF+19, JLKR19, LYH11, LSA+17, MKT+11, MIS+14, RS17, SMAR+19,

TCK+18, ZYY18]. **Instruction-Based** [ZYY18]. **Instruction-Level** [MKT+11]. **Instruction-Set** [LSA+17]. **Instructions** [IS14, JL11, LSC11, USP+13]. **Instrumentation** [GBF+19, GDJZ18]. **Instrumentation-Free** [GDJZ18]. **Integer** [ADJ12, CL10, CZS+19, CND+18, GNTS13, MCT19, RV13, ROH17, TGNSC11, UdDG+17, WHL+12]. **Integers** [MG11b]. **Integral** [ZOK+19]. **Integrated** [ASS+18, CWZC13, CKN14, DYHX16, DAPS14, GWMB13, LSW15, TS11, ZLYS15]. **Integrating** [HSH+10, WZZ10]. **Integration** [ALW11, DFP+13, LKK+19, LVF19, VGF16]. **Integrity** [JCM16]. **Intelligence** [JRP+14, SLC15a]. **Intelligent** [FMTK19, MFT+17, STK16]. **Intensive** [RLSK18, WSZ+16, WGR+14, YZHX12]. **Inter** [cCWS14, SMN+17]. **Inter-Application** [cCWS14]. **Interacting** [YMT13]. **Interaction** [TZL+14]. **Interactions** [cCWS14]. **Interactive** [ZT15]. **Interconnect** [KL13, ZGY14]. **Interconnected** [LKT13]. **Interconnecting** [LW15]. **Interconnection** [CMB13, CTD+16, FB13, SRR+16, SMN+17, Ste14]. **Interconnects** [AKL14, DCY+13, FAA10, HJBM14, PVKA14, SC18]. **Intercore** [WLQS13]. **Interdependent** [HWSN15]. **Interface** [DDN14, DRS+16, SBP+14]. **Interface-Based** [DRS+16]. **Interfaces** [Hie13]. **Interference** [HWK15, LGF+15, PC10, XWL+16a, XLL+14, XLJ16]. **Interference-Aware** [XWL+16a, XLL+14, XLJ16]. **Interlaced** [FF16]. **Interleaved** [KVV10]. **Interleaving** [CVGZ15, KS10a]. **Internal** [GJ15, HK13a, KWC+16]. **Internet** [CLX14, CAGM14, LHH14b, LGH+17, PPB+14, XLF15, YZF+10]. **Internet-Based** [CAGM14]. **Internode** [YLA10]. **Interplay** [DA12, GHK15, HXL11, ZZX+15]. **Interpolation** [WEX14]. **Interrupt** [LLW+11]. **Interrupts** [LLW+11]. **Interval** [Joh17, RT14]. **Intra** [SRR+16, SMN+17, WZK+19]. **Intra-Chip** [SRR+16, SMN+17]. **Intra-Cluster** [WZK+19]. **Introducing** [SAR+11]. **Introduction** [AHI12, AISA16, BKPMC13, BMM11, BS10, BCS11, BdD19, EM12, GC14, GM11, HMO+17, LLK18, MG11a, MOS14, NST14, ST11a, VP14, ZMS13, Avr13]. **Intrusion** [AHNT16, CH14, PBT13, VSF+17]. **Intrusive** [TJX+17]. **Invalidations** [ADC11]. **Invariant** [MG11b]. **Invasive** [ADJG19]. **Inventory** [CKN14]. **Inverse** [MKRM11, PCLN15, RMERM19]. **Inverses** [Dum14, Wal19]. **Inversion** [BT16, DJA14, LLHC15]. **Inversions** [JDA15]. **Investigating** [Amm14]. **Investigation** [CJ12]. **Invocation** [RQ14]. **IO** [SKC+14]. **IoD** [DHC+16]. **IOMMU** [VMB19]. **IP** [CLS10, CKKS14, HY12, HH17, JP13, LYS10, LS10c, ML16, WZBB15, YZGG16]. **IPs** [NDG+17, BFP11]. **IPv4** [KCS14, LP12]. **IPv4/IPv6** [KCS14]. **IPv4/v6** [LP12]. **IPv6** [KCS14]. **Iran** [JGG+14]. **Irreducible** [Fan16, HF15]. **ISA** [GGSPM18, MIS+14, TCHL18]. **Ising** [ZCW18]. **Islands** [OKC13]. **Iso** [SRHC12]. **Iso-Power** [SRHC12]. **Isogeny** [BF19, FHLOJRH18, KAK18, LNL+19, ZSP+19]. **Isogeny-Based** [BF19, KAK18, ZSP+19]. **Isolation** [HGCT13, MGdC+18, WZL15, YYP+16]. **Isomorphism** [ZYHZ16]. **ISRA** [LBWH11]. **ISRA-Based** [LBWH11]. **Issue** [GC14, HMO+17, LLK18, VP14]. **Issues** [RT14, TKL+14]. **Iteration** [Dum14, FMTK19, PP16, Wal19]. **Iterations** [BBK10]. **Iterative** [CG18, FTP13, TC16, VB13]. **Itinerary** [LLCH13]. **Itinerary-Based** [LLCH13].

Ivan [Zom15b].

Java [CCH11]. **JEM** [JAJK15]. **Jitter** [MAHD18]. **Job** [SL14b, YLH10]. **Jobs** [BBD+12, NL16c]. **Join** [LOX+13]. **Joining** [Ano10b]. **Joint** [BKP16, DPO17, GDY15, HKWC14, HGL+15, ZGG+16]. **Journal** [Lom10, Mon15b, Mon16, MMC+16, Mon17, Mon18, Mon19, Zom11b, Zom11a, Zom12b, Zom12c, Zom13, Zom15a]. **Journaling** [CCC+18, LYB15, ZFHC19]. **JPEG** [HHCH11]. **Just** [HZW+12, JAJK15, VIDH19]. **Just-in-Time** [HZW+12].

Kalman [Red14]. **Kalray** [IDG+17]. **Karatsuba** [LMZQ17, LPW10, MRL+18, Ose11]. **Karatsuba-Based** [LPW10]. **Karatsuba-Like** [Ose11]. **KASE** [CLW16b]. **Keccak** [RS17]. **Kernel** [BDM+19, JCK15, SWWC11]. **Kernels** [XP10]. **Key** [ASM+16, AFC10, CJ13, EFGT18, FHLOJRH18, GDLL18, HL10a, HWZ+17, Kim15, LCLL15, LCwW10, LHYZ13, LCCJ13, PSM17, RVH+16, RNS13, SMRM17, SWM+10, SD18, WCL+18, XJWW13, YRT+16, ZSP+19, CLW16b]. **Key-Aggregate** [PSM17, CLW16b]. **Key-Policy** [RVH+16]. **Key-Value** [ASM+16]. **Keyed** [KE19]. **Keys** [ASM+16, PSM17]. **Keyword** [XJWW13, ZLX+16]. **Kiel** [LvH12]. **Kleene** [DSB13]. **Knowledge** [SLLG15, SDZ15]. **Koblitz** [Lee12, ADJ12, BJ10, DJJ+08, TX16]. **Krivine** [MRD19].

L0 [LK15b]. **L1** [EF12, HK16, SV18, VPS+12]. **L2** [SV18]. **Label** [LCL15]. **LACS** [KS14]. **Lags** [CFMS14]. **Lanczos** [JCK15]. **Land** [DAPS14, LMB17]. **Land-Use** [DAPS14]. **Lane** [HHC+18]. **Language** [ASE17]. **LANs** [GY16, XHZ14]. **Large** [AISA16, BMT14, CYJ+10, CL12, CQW+15, CXLL16, CLW+16a, DALD18, FFCB14, Fin10, GDC+16, GV15, GY16, HZW+12, JKY10, LBSK17, LP13a, LS10a, LDB+17, LXK12, LXZ+15, LQD+16, MCXZ18, MC11, NM10, PDXZ13, ROH17, SSGB19, WS15, WJM15, XHLW19, ZCZL16, ZWC+18, ZYY10]. **Large-Capacity** [PDXZ13, XHLW19]. **Large-Scale** [CQW+15, FFCB14, GY16, JKY10, LP13a, LS10a, LXK12, LQD+16, MCXZ18, WJM15, ZCZL16, ZWC+18]. **Last** [CCE+18, KIJ14, KKC15b, KA19, LCLC19, YMG15, ZJS14]. **Last-Level** [KIJ14, KKC15b, LCLC19, YMG15]. **Latch** [SB16, ZZ17]. **Latch-Based** [ZZ17]. **Latches** [ORM10]. **Late** [KKH+14]. **Latencies** [LLW+11]. **Latency** [ADOKM10, CLL+14, CYL+14, FFISC13, GY13, KGP15, LR13, LYS14, MKAY11, NLP+14, NL19, PLM16, PB11, QSYS16, RZPX19, RM15b, SL10, SCJ+16b, SR14, WMW12, XSR15, YCCJ15, ZLW+17]. **Latent** [CJ12]. **Latin** [NL15a, DRM16]. **Lattice** [EFGT18, GLP15, HKR+18]. **Lattice-Based** [EFGT18, GLP15, HKR+18]. **Lattices** [AR12, GPR+19, MEBS17]. **Law** [CA12a, YMG16]. **LAWC** [GKD+17]. **Laws** [WJL+12]. **Layer** [CC11, GY16, KCW+17, LLW+18, PRGBSAC19, RCK+16, SVD18, SDE+17, VSC+19, YCK16]. **Layered** [BS14]. **LayeredTrees** [CKKS14]. **Layers** [RWZZ14]. **Layout** [AKJ+13, GKD+17, HWSX17, HT12, LZZ17a, PVKA14, SWZG11, ZZL14, ZWW19]. **Layout-Aware** [GKD+17, PVKA14]. **LCP** [WNCH17]. **LDet** [CCL+13]. **LDPC** [CMM15, LLC+16]. **LEAD** [SKEB18]. **Leakage** [Bar16, CYCC11, GDLL18, LVMS18, LGMP10, MKM14, SRCK10, ST16, WWY+16, WWT+18]. **Leakage-Aware** [MKM14, WWT+18]. **Leaks** [CATB19]. **Learning** [Bar16, CM11, DYHX16, FMTK19, FCB+19,

GBA+18b, JKD+19, LPL+13, LK18, LH11, MFT+17, WP16, ZYC16, ZM17]. **Learning-Based** [JKD+19]. **Learning-to-Rank** [LPL+13]. **Least** [LR13]. **Least-Latency** [LR13]. **Leaving** [MWLJ15]. **Lee** [Jha13, ABA07]. **Legacy** [TJX+17]. **Length** [ASM+16, Fen14, Pom12a, RS13, SRK+17, WTY+14, XMH13, YLP15]. **LEO** [LZS+13]. **Less** [HLC+19, WBGI19]. **Level** [ARM16, AJH15, AE11, Ano11f, BCL+17, BPT10, BS10, BM13b, CCC+17, CCW+10, CQW+15, cCWS14, ERRM16, GAFN15, GWM+17, HWSX17, HGW+17, JRJ+18, JPLP13, KIJ14, KGP15, KO14, KLC+16, KKC15b, KA19, LK10, LR16, LLW+11, LCLC19, MKT+11, MIS+14, NL15b, NL16a, NWA11, NL16c, OKD+16, PNKI13, SJC+17a, SJC+17b, VSLD15, WP16, XP10, XZL+19, XLL+18, YSLL16, YMG15, ZGR13, ZJS14, ZMS13, NL19]. **Leveling** [CHK10, DY14]. **Levelled** [LRY+15]. **Leveraging** [KSC+14, LSS13, MGW14, MJWT16, QPG10, RTL+18, SX12, SL14a]. **LFSR** [AK16, LCH13]. **Lifetime** [AK19, CBTU14, FKMK16, GGL+14, JSH+17, KLK18, LK16a, SMA19, WWM16, YyHL11]. **Lifetime-Aware** [LK16a]. **Lifting** [TWTT11]. **Lifting-Based** [TWTT11]. **Light** [SWF+19]. **Light-Weight** [SWF+19]. **Lightweight** [BFMT16, BDM+19, BKL+13, CXLX15, KAH18a, KE19, LSG+15, RLSK18, STE17, SL13, VBR+13, VAN+18]. **Like** [DJN17, LYCT10, LJY+15, Ose11, Tsa13, YLL16]. **Likelihood** [DAPS14, LCT11]. **Lilliput** [BFMT16, ST18a]. **Limitation** [Lee17]. **Limited** [EBE13, RF14, TCK+18]. **Limits** [BK12]. **Line** [BCSR14, BCD+16, FSPD16, GY14, LJY+15, MG11a, NZLK14, ROGHNB+18]. **Line-Like** [LJY+15]. **Linear** [BCMJ10, CC16, DP13, DEE17, HWL+14, HCC+12, KO14, LLQ+14, NZC11, PvdGG12, WHL+12, WRW16, XXBL17]. **Linearly** [ST18a]. **Lines** [AGFM11, DSR15]. **Link** [GY16, GLH+19, LGF+15, SRCbL+15, WTY+14, YCCWC15, ZC13]. **Link-Layer** [GY16]. **Link-Length** [WTY+14]. **Links** [CA12a, GHG+14, PRGBSAC19, TMS+14, YMK+17]. **Liquid** [SVAB14]. **Liquid-Cooled** [SVAB14]. **List** [Ano10a, Ano11b, Ano12b, Ano13b, Ano14b, Ano15b, Ano17b, Ano18b, Ano19b, Ano16b]. **Lithography** [LZZ17a]. **Little** [JYL+17]. **Live** [ECJ+16, XLL+14, ZRS+16]. **Lizard** [MSS+18]. **LNS** [CI16]. **Load** [ADOKM10, BR13, CLS14, HC13b, HHW+18, JLC10, JC11, JR17, KRP18, PBL16, Pom12c, QJM+10, RKZ16, SKPC15, SMTK12, SLS+12, XAYL15, XLF15, YCLH16, ZV14]. **Load-Balancing** [PBL16, RKZ16, SLS+12]. **Load-Demand** [XLF15]. **Loaded** [JC11]. **Loading** [SRCK10]. **Loads** [CC16, ZR15b]. **Local** [AVG+15, BWV15, CFL+18, HCH15, LKT13, LWL+16, LCW+15, LMT13, PTD+12, ZDP+15, ZL15]. **Local-Deadline** [HCH15]. **Local-Recoding** [ZDP+15]. **Locality** [CG18, FBWMM13, GZC+17, HWZ+17, HXVF12, JZLD10, KS14, KGGJ14, LCY+16, QZC15, QGPZ13, SH12, XJFH15, ZJS14]. **Locality-Aware** [CG18, HWZ+17, JZLD10, KS14]. **Locality-Preserving** [SH12]. **Locality-Sensitive** [HXVF12, QZC15, QGPZ13]. **Localization** [AEKT15, JGHD11, LYOB15, MWWT13, XLW14, YZF+10]. **Localized** [MMB14, YyHL11, YLA10]. **Location** [CWTT13, KLK+14, LCT11, LHY13, ZZX+15, ZLYS15]. **Location-Aware** [CWTT13]. **Location-Based** [ZLYS15]. **Location-Oblivious** [KLK+14]. **Locations** [CTS13]. **Lock** [CT13, CWCS15, KLJ+14]. **Lock-Free** [CT13]. **Locking** [CWCS15]. **Loeffler** [CND+18]. **Log** [GWM+17, KBO+19, MLE14]. **Log-Block** [GWM+17]. **Log-Structured** [MLE14].

Logarithm [Bra10, LP17, VB13]. **Logarithmic** [AC11, CHCK12, FML10, KBP13, LOC+16, LJ15]. **Logarithms** [LOC+16]. **Logging** [YHT+16]. **Logic** [AR12, AD16, AGCD16, BDDL18, BGPV10, Cil11, CCLH10, EKA17, EFPC16, ISC15, Ibr16, LWK11, NI11, NYHB16, Pom14, PSL17, QLR+11, RMKR12, RZZ+15, RLRL19, ST12, SKM+13, Tho15, TLL12, ZMR+13, ZJH+14]. **Logic-Chain** [TLL12]. **Logical** [LLQ+14]. **Logics** [FLS16, GSF+10]. **Long** [WXLL13, WXLY15, XLW14]. **Long-Bounded** [XLW14]. **Longest** [CWZC13, LLLP14]. **Look** [DJN17]. **Lookup** [HY12, JP13, LP12, LYS10, ML16, dLSGDR17]. **Lookups** [CLS10, CKKS14]. **Loop** [BBK10, CS11a, DZ10, EFGT18, GLXY13, KGC14, QLH+16]. **Loop-Abort** [EFGT18]. **Loop-Based** [DZ10]. **Loosely** [PBL16]. **Loss** [KCY18, SRR+16]. **Loss-Aware** [SRR+16]. **Lossless** [XDZ11]. **Lossy** [DN11, GDY15, LLZ+17, dRV12]. **Low** [AH10, ACW+11, AVS+14, AS12, ARM13, BDDL18, BR13, CMLS15, CSCW13, CJA+16, CLL+14, CJK19, CYL+14, FFISC13, FHW18, GC16, GNSR14, GHG+14, HN11, HK15a, HMS+12, JCK15, JHQL16, JLLH19, KLK+14, KBP13, KHZ17, LK15a, LYS14, LCL17, LOC+16, MKT+11, MKFM13, MAD14, MKAY11, MKRM11, NCD+17, NC11, ORBM13, OPAGS14, OKD+16, PLM16, PvdGG12, PPP13, PRBM13, PROM15, QSYS16, QLH+16, RZPX19, RBMO11, RM15b, SP16, SKH16, SL10, SR14, SBI12, TW10, TKT16, WWY+16, XJFT16, YAG19, ZOK+19, ZM10]. **Low-Complexity** [ARM13, OPAGS14]. **Low-Cost** [HK15a, HMS+12, MKFM13, TKT16]. **Low-Duty-Cycle** [GHG+14]. **Low-Error** [LOC+16]. **Low-Latency** [CLL+14, FFISC13, LYS14, MKAY11, QSYS16, RZPX19, RM15b, SL10]. **Low-Level** [MKT+11, OKD+16]. **Low-Memory** [LYS14]. **Low-Overhead** [KLK+14, PPP13]. **Low-Power** [GC16, JHQL16, JLLH19, KBP13, LK15a, LCL17, MKRM11, NC11, PvdGG12, SP16, SKH16, YAG19]. **Low-Profile** [AVS+14]. **Low-Voltage** [ACW+11]. **Lower** [Fuj11]. **LRW** [CFMA19]. **LS** [QGPZ13]. **LS-Sig** [QGPZ13]. **LU** [JC12, WDSP12]. **Lubricating** [TZL+14]. **Lyra2** [ASBdS16].

m* [AKJ+13]. **m*-Tree** [AKJ+13]. **MAC** [Kim15, LCLL15, CCRL19, CJ13, DMA+15, HWK15, HWX15, LMC+15, SMB+15]. **Machine** [JJK+11, LT15, MSG14, Man16, RSN+18, VTW16, XLJ16, ZRS+16, ZL18, ZJXL11]. **Machines** [APP12, DKW15, ECJ+16, Hie11, Hie13, JAS+15, JKJ+10, KJL11, KP15, KT12, LLQ+14, Pip11, SCSL12, SP10, WGLL13, WZL15, WLLZ16, XLL+14]. **Macho** [MHK15]. **Macro** [JC11]. **Macrocell** [SBP+14]. **Macrocells** [VPS+12]. **Macrochip** [ZGY14]. **Macroprogramming** [PP10]. **MACs** [AP14]. **Made** [SD18]. **Magnetic** [WFY+17]. **Magnitude** [EBE13, KN11a]. **Magny** [RCFP+12]. **Magny-Cours** [RCFP+12]. **Main** [GBGI18, HNV19, HZX+14, JYL+17, SMA19]. **Maintaining** [LHC+14, LXL+13, LcZLG19, RHC+14]. **Maintenance** [CSJ+11, FEP+12, LCX+16, SLC15a]. **Majority** [AGCD16, PSL17, RLRL19, TSA+19]. **Majority-Logic** [AGCD16]. **Making** [XLL+14]. **Malicious** [SWWC11, TM18]. **Malleability** [MBC+13]. **Malleable** [SIVH16]. **Malware** [CXZ13, OKD+16]. **Malwise** [CXZ13]. **Managed** [ASE17]. **Management** [AO11, AE11, ARS16, BLN+15, BBP+13, CVPS19, CK11, CCY+16, CKH15, CGL+13, CCP+13, Cro14, DYW15, DA12, DGC+15,

EKJ+10, FFCB14, FBR+12, FAA10, GWMB13, GBD+15, GWM+17, HMR+17, HWZ+12, HNV19, HWZ+17, JAJK15, KIJ14, KPS+17, KFB+15, KSJ+12, KCRG14, KKJH19, KL16, LKLM15, LSA18, LZZZ13, LLD+16, LHTG15, LWH+16, LPL10, MM16, MOYB12, ML13, MTBB10, RDEN10, SSJ+18, SIVH16, SYK14, SBW+16, WP16, WSZ+16, WW16, WJY+17, WGLL13, XLS+12, YYP+16, ZJS14, ZL16, ZDYZ13, ZDYZ14].

Management/Monitoring [CCP+13]. **Manager** [XHLW19]. **Maneuvering** [WF14]. **Manipulation** [VGF16]. **Many** [BLKM+18, DYW15, DYHX16, GP14, HRM+16, HMR+17, KP13, LYT+16, LB13, MMC15, RVC+15, WSL+18, WhCCC12, ZCY+16]. **Many-Core** [BLKM+18, DYW15, DYHX16, GP14, HRM+16, LB13, RVC+15, SNM16, WTZ+19, WhCCC12, ZCY+16]. **Many-Cores** [HMR+17]. **Many-to-Many** [KP13]. **Manycore** [CA12b, CDK+18, JKD+19, LY18, PKC+17]. **Manycores** [MYHL16]. **Map** [THGT13]. **Mapped** [SNY+10]. **Mapping** [CAbZM18, CQW+15, CCK+16b, GSG+15, HNB+12, JK15, KN12, LKJ15, LSC11, LYJ+18, MMCS18, OOD+17, PP10, TSA+19, YCKH16, YLGD19, ZCZ+19, ZCY+16]. **Mappings** [MC11]. **MapReduce** [CSPC12, CZL+17, JSE14, LZA+16, XLC14, YWQX15, ZDP+15]. **MAPS** [KAH+15]. **MAR** [WSZ+16]. **Marathon** [DJN17]. **March** [CSW+15]. **Marginal** [LY17]. **Margins** [CTL+17]. **mARGOt** [GVPS19]. **Market** [FLL14]. **Markets** [BBVL14]. **Marking** [FBR+12, YZGG16]. **Markov** [MTFK19, ZOD13]. **Mashup** [ZCL+16]. **Masking** [KCY18, KN11b, LHL13a, ORBM13, USH19]. **Massey** [Red14]. **Massive** [BSM+14, CLW+15, WGR+14]. **Massively** [KAH+15]. **Master** [CAGM14]. **Master-Worker** [CAGM14]. **Mastrovito** [ARM16, LMZQ17]. **Match** [CW16]. **Matching** [CWZC13, DYW15, GBA18a, LP13a, LH12a, LLLP14, LLCC13, LBS15, MGW14, RSG+19, YP12, Yun12, ZS13, ZLN11, ZYY18]. **Matrices** [CJK15, IRMM+16]. **Matrix** [BFMT16, CNH13, CLL+14, HF15, HMNN12, HN13, IRMM+16, KEK16, KHZ17, NZ15, PCHS16, PCHS18, PGvdG14, RM15b]. **Matrix-Vector** [HF15, PCHS18, RM15b]. **Max** [LZ14, XLL15]. **Max-Bisection** [LZ14]. **Maximization** [LMC+15, MLOL15, RLX15]. **Maximizing** [AGFM11, CS15, GSK12, WL13]. **Maximum** [AT16, DAPS14, GPN11, LCT11, LCW+15, YCZ10, YUGD14]. **Maximum-Likelihood** [DAPS14]. **Maxterm** [YHH+12]. **MBs** [CLZ19]. **MBU** [WNKL16]. **MC** [LRP+18]. **MC-Fluid** [LRP+18]. **McEliece** [GV14, SWM+10]. **McLaughlin** [DCCK18, GL19]. **MCMC** [LMB17, MB16]. **MDPC** [HC17]. **MDRUs** [MTFK19]. **MDS** [FSL+17]. **Me** [YGS15, CXLL16]. **Me-CLOCK** [CXLL16]. **Mean** [GPN11]. **Meandering** [AEKT15]. **Measure** [SRCbL+15]. **Measurement** [NL14, SQJ+15, WS14]. **Measurements** [KGC14]. **Measures** [AD10]. **Measuring** [CFMS14, GNSR14]. **Mechanism** [DKK16, HK15a, JC11, KLKL13, LL11, LLS+16, MNGV16, NZ14, PR14, SWWC11, WZLS16, Zot10]. **Mechanisms** [BPBBL13, BCC+16, CAGM14, FLJ14, HZL+16, KSEG15, MFG16, MFG14]. **Media** [KLLK11, YW12]. **Medical** [FGS+15]. **Meets** [CXYC16, RBG+19, MOS14]. **Membership** [FHR14, HXVF12]. **Memetic** [LZ14]. **MemFlex** [ZLSI17]. **Memoriam** [Zom15b]. **Memories** [AVG+15, CMM15, DPS11, GBGI18, HTH15, HZX+14, JSA17, LLW+17, LGMP10, NL16a, PO13, SMA19, SMRM17, SKH16, VCG+12, WNKL16, ZZYZ14, vdBGLGL+16].

Memory [ALBP14, AAR19, AKJ+13, ASBdS16, AISA16, AKTB18, AH13, BQP+16, BD15, BPG16, BBB+17, CFL+18, CVPS19, CVMA10, CK11, CHH+13, Cha14, CCK+16a, CHTD19, CXLL16, CWL+17, CLOL18, CLM+19, CLZ19, CC11, CRG+13, DYHX16, DHW+19, DMK+15, DSG+19, DCV+12, DY14, DW10, EKJ+10, FYSK14, FZL+14, Fin10, GBO+16, GGA+17, GBD+15, GDJZ18, GWM+17, GNSR14, GIKR19, HCY18, HCCG10, HPR16, HNV19, HGCT13, HHKW12, HCC+12, HWZ+17, IS11, IS14, JJK+11, JSC+17, JSC+19, JYL+17, KLLK11, KCRG14, KO14, KAH+15, KKJH19, KCS14, LP13a, LCC10, LMNP11, LKLK13, LBN14, LK14, LYB15, LWKA15, LH16, LK16b, LKH16, LKK+19, LR10, LXW+19, LYS14, LWL+16, LLD+16, LZZ+17b, LJ13, MMC15, MWZ+17, MB12a, MBD+17, NKEM11, NL15a, NL19, OGH+14, PLM16, PDXZ13, PN16, PPKW12, PCLN15, PKY19, PRM19, QML+15, QGPZ13, RCC14, ROGHNB+18, SSGB19, SNY+10, SCZ+16, SJD+18]. **Memory** [SPC+18, SP12, SRHC12, SBW+16, SZL+16, TPR16, UMN18, VSC+19, VKS+16, VTW16, VAN+18, VMB19, WZLX12, WS14, WGW+15, WWY+16, WWY+18, WLY+14, WFT+19, WDSP12, WSXZ13, XZL+19, XHLW19, YWW+16, YPB+16, YYW+16, YYC12, YYP+16, YAGB17, ZCZ+19, ZL16, ZLSI17, ZFHC19, ZOK+19, ZHQX19, OWP16]. **Memory-Aware** [JJK+11]. **MEMORY-Based** [OWP16]. **Memory-Centric** [BQP+16, YPB+16]. **Memory-Efficient** [CXLL16, KCS14, LP13a, LJ13]. **Memory-Processor** [MBD+17]. **Memristive** [RMKR12]. **Memristor** [HTH15, RKR15, SKM+13]. **Memristor-Based** [HTH15, RKR15, SKM+13]. **Memristors** [RKR15]. **Merge** [LBSK17]. **Merged** [DKG13]. **Mergesort** [LRP16]. **Merkle** [LRY+15]. **Mesh** [CHC+15, GSH+14, GP14, RKZ16, SZS14, TLP18, WLS18, ZR15b, ZBW17]. **Mesh-Based** [CHC+15, WLS18]. **Meshes** [CS11a, Zot10]. **Mesoscale** [XYF+15]. **Message** [AEP18, FAA10, LCT11, WGZ+15, Zom12a]. **Message-Efficient** [LCT11]. **Metadata** [GWZ+10, PP11]. **Metaheuristic** [LMT13]. **Metal** [YXZZ14]. **Metastability** [FFL18]. **Metastability-Containing** [FFL18]. **Meter** [DJN17]. **Method** [BCK+16, CYL+14, DAS14, GKB+10, HN13, JCK15, KRP18, KEK16, KS10b, KL13, LZZ17a, LXK12, LJ13, MRW+15, MH19, NTR14, OHCK17, OCK17, PP14, PCHS16, PB11, RSU17, RSNK17, SB10, SL13, ST12, SZDL14, USH19, WWT+18, WTZ+19, WYL+15, WLG+19]. **Methodology** [BGM+13, BMS11, CSCW13, GBA+18b, Iko15, JAJK15, JJC14, LKJ15, MNFA14, PWTS16, RTRM19, RRS+16, RBG+19, WS14, ZGR13]. **Methods** [AE11, AS16, DS14, EDL+14, FBE+18, KVV10, LCY+13, ROH17, WNCH17, WLS18, ZOD13]. **Metric** [ABA07, Jha13, OP15, Pom13a, SIB13, WS14, ZWX12]. **Metrics** [EYBK15, GSF+10, LHL13b]. **MIC** [XYF+15]. **Micro** [DEE17, KAH18a, RM15a, VED+16, YEG+15]. **Micro-Architectural** [RM15a]. **Micro-Architecture** [DEE17, KAH18a, VED+16, YEG+15]. **Microarchitectural** [CVMA10, DJO11, JCY+13, LDP10]. **Microarchitecture** [CPRH16, LCH13, PVKA14]. **Microarchitectures** [BPG16]. **Microarray** [GAC14]. **Microbiome** [LDB+17]. **Microcontroller** [PRM19]. **Microcontrollers** [BCD+16]. **Microeconomic** [NH10]. **Microprocessor** [BCSR14, CPRH16, DYW15, DYHX16, KMJ+11, MKT+11, SDP+12, VSC+19].

Microprocessor-Based [SDP+12]. **Microprocessors** [EGVFC+12, FRB+18, KKC15b, MTGM12, MMTM15, OPV+17, SNM16]. **Microprotocol** [VECD13]. **Midpoint** [Joh17]. **Midpoints** [JLMP11]. **Migrating** [YLH10]. **Migration** [GBO+16, HV14a, LR18, LLX+17, LCLC19, MRW+15, RSNK17, RSN+18, TKL+14, WJM15, XLL+14, ZRS+16]. **Migrations** [LWH+16]. **MIHST** [BCSR14]. **Miller** [LT14]. **Millimeter** [DCY+13]. **Millimeter-Wave** [DCY+13]. **MIMD** [NVB16]. **Mimicking** [YGS15]. **MIMO** [CWY13, LZ15]. **Min** [GLH+19, XLL15]. **Min-Entropy** [GLH+19]. **Min-Max** [XLL15]. **Mini** [FZL+14]. **Mini-Rank** [FZL+14]. **Miniaturized** [GJ14]. **MiniBench** [YEG+15]. **Minimal** [ARH+18, EDL+14, HHKW12, MKLW14, RBR13, SBM15, SJD+18, SG12, ZBW17]. **Minimal-Memory** [HHKW12]. **MINIME** [DSKH15]. **Minimization** [BCTV19, Cha14, LHL+15a, LGMP10, XSR15, ZLG+15]. **Minimizing** [DSG+19, HT12, RSNK17, YCZ10, ZC13]. **Minimum** [DVUS14, FEP+12, GPN11, KHPP16, KLT16, LYY16, LSX13, QPG10, SG13, WTY+14, WCLY16, YLY15b]. **Mining** [HBR11, RGK15, SKC+14]. **Minus** [BT16]. **Miss** [LK15b, SV18]. **Misses** [RXC+15]. **Missing** [LLM+15]. **Mission** [LXJD15]. **Mitchell** [KBO+19, LJ15]. **Mitchell-Based** [LJ15]. **Mitigate** [GBA18a, JSC+19, RBG14]. **Mitigating** [CJK19, GBGI18, HWK15, KCY18, KCKL19]. **Mitigation** [AS12, MLS19, SKH16, dOPSR16]. **Mixed** [ABA07, BBD+12, BM13b, BDBB18, CAbZM18, CGL+18, GGA+17, GIW18, LRP+18, LGS+18, RMB+12, ZCK19]. **Mixed-Critical** [BM13b]. **Mixed-Criticality** [BBD+12, BDBB18, CAbZM18, CGL+18, LRP+18, LGS+18]. **Mixed-Precision** [ZCK19]. **Mixed-Radix** [ABA07, GIW18]. **Mixed-Time-Criticality** [GGA+17]. **Mixing** [Ged14]. **Mixture** [HFG+17, RF14]. **Mixture-of-Experts** [RF14]. **MLC** [NL19, CK11, CCC+17, CKD+17, GWM+17, LK14, ZZJ+19]. **MLC-Based** [CK11]. **MLC/SLC** [CCC+17]. **MM*** [CH11]. **MMU** [EKJ+10]. **Mobile** [BWV15, Cao12, CS15, CKH15, FFCB14, GDY15, GCF+16, HZL+16, KCRG15, KkC15a, KKC17, LLCH13, LH16, LSX13, LHH14a, LCT11, LSL15, LZZ+17b, MCC12, RSN+18, SMP16, SKM14, SD13, TH11, TZL+14, WLYY16, XWY10, XWH14, YCCJ15, YCLH16, ZWL15, ZLW+17, ZMY11, ZY12, ZCC+14, ZLYS15]. **Mobile-Cloud** [LSL15]. **Mobility** [AEKT15, ASTU10, OPZ15, SKPC15]. **Möbius** [Kůr12]. **Modal** [LT15]. **Mode** [AHK10, HZ11, JRS+15, QLH+16, SWWC11, ZLBB19, PVKA14, DFP+13]. **MoDe-X** [PVKA14]. **Model** [Ano10f, BFR+15, CMB13, CMS10, CH11, CYHC14, CCH15b, CC16, Dar15, DAPS14, FLS16, GLH+19, HXVQ15, HSH+10, HK13b, HWL+14, JRJ+18, JAD+18, KGP15, LH12a, LWKA15, LK18, LLZ+17, LWZ18, LH12b, LKT13, MD16, MTFK19, MY10, NH10, NS13, SMA19, SAR+11, SIB13, SVAB14, TLP17, Tho15, Tsa13, WJL+12, WP16, WHYS16, XKT+15, XYHD17, YLL16, ZLBB19, ZYC16, ZYY10, ZZM+15]. **Model-Based** [XKT+15]. **Model-Driven** [CMS10, SAR+11]. **Model-Free** [WP16]. **Modeling** [ADP+15, BTBB14, BG12, CJSM17, CA12b, CSW+15, DMXY14, DDNT19, GBA+18b, HL10b, IPS17, KM11, KMLH11, LZZZ13, LMB+16, MBM11, MHH+17, MKM14, NS13, RKT19, SC11, VED+16, WZCG16, XYF+15, YZF+10, ZGB+15]. **Models** [AFH+10, BD15, BGM+13, CYA13, CCD12, FNS16, HFG+17, LK10, LCY+13, LHTG15, SD14, YMT13, YHT+16, ZYL15, ZRL15].

Modern [KMJ+11, LLD+16, MKT+11, MTGM12, MMTM15, MYW11, WS14]. **Modes** [AR17, PC16]. **Modified** [AO12b, CLC+16, Red14, SJS+14]. **Modify** [LKK+19]. **Modular** [BT16, CYC+16, FFISC13, GL19, HMA+10, HGEG11, IGLM15, IDG+17, KwPK+15, KS12, KVV10, LP13a, LYS14, LNL+19, PVKA14, SMRM17, SL10, YFCV14, ZYY10]. **Modulation** [ZM17]. **Module** [LKK+19]. **Modules** [CZP+18]. **Moduli** [GL19, Hia16, Hia17, Sou15]. **Modulo** [Dum14, HMC11, VD12, Wal19]. **Modulus** [SEY14]. **Moments** [LPL12]. **Monitoring** [BWCW15, CCP+13, GEN+17, GDJZ18, GLTC16, KKP+16, ML13, OYP+18, RVL+14, RVC+15, WLLZ16, ZNL18, ZL18, ZC13]. **Monitoring-as-a-Service** [ML13]. **Monitors** [HCG+16, YZF+10]. **Monotone** [TSA+19]. **Monotonic** [PP14]. **Monte** [ZOD13, KN13]. **Montgomery** [CS11b, CYC+16, DCCK17, DCCK18, GLP+12, HRM11, HGEG11, KVV10, LYS14, NTR14, SL10, WF12]. **Montgomery-Based** [WF12]. **MONTRES** [LBSK17]. **Morphable** [CCC+17, SZZ+19]. **MORUS** [YWM19]. **Most** [CKKS14, XTF+12]. **Motion** [RM15c]. **Movable** [ASTU10]. **Moveable** [YLA10]. **Movement** [WLYY16, YWQX15]. **Moving** [CT13, CHK10, LTL14]. **MPPA** [IDG+17]. **MPPA-256** [IDG+17]. **MPSoC** [CYA13]. **MPSoCs** [ASS+18, CCM14, MB12a, WLQS13, WLZ+15]. **MRAM** [CFMA19, GBGI18, KCW+17, ZOK+19]. **mRT** [LKLK13]. **mRT-PLRU** [LKLK13]. **MUCH** [WLM15]. **Muller** [RMB+12]. **Multi** [AMR18, ARS16, BD15, BCL+17, BBB+17, BSM+14, CZ14, CLW+15, CCY+16, CCK+16b, CG18, CvdBC18, CW16, DDN14, DMK+15, DKLB15, DY14, DVUS14, FK15, GYC+16, HCD+16, HLY14, HH17, IPS17, JAD+18, KTAvdS16, KIJ14, KAH19, KO14, KKC17, LKS+14, LKH16, LRP+18, LGH15, LT15, LWY15, LRY+15, LFH+16, LHH17, LLW+18, LZW+15, MS15, MWY+16, MB16, MCXZ18, NL16a, Pan16, PCLN15, PMH+14, PBE17, PM14, QZC15, QSYS16, RCC14, RTL+18, SVD18, SDE+17, SX12, SZG+18, SNM16, SZW+16, TWTT11, TFCY16, TLGM17, WLC+15, WTZ+19, XWL+16a, YCCJ15, YMTV14, YYP+16, ZLBB19, ZLG+15, ZHM14, ZLX+16, ZGWC15, ZRL15, NL19]. **Multi-** [SNM16]. **Multi-/Many-Core** [SNM16]. **Multi-Armed** [KTAvdS16]. **Multi-Attribute** [SX12]. **Multi-Block** [SZG+18]. **Multi-Channel** [GYC+16, HLY14, LGH15, XWL+16a, YMTV14]. **Multi-Cloud** [SZW+16, ZGWC15]. **Multi-Constrained** [FK15, ZHM14]. **Multi-Core** [BD15, BBB+17, CZ14, CvdBC18, DMK+15, JAD+18, KIJ14, KAH19, KKC17, LKH16, LRP+18, MB16, Pan16, PCLN15, PBE17, PM14, RTL+18, TFCY16, YYP+16, ZLBB19]. **Multi-Cores** [CCK+16b, IPS17, LKS+14]. **Multi-Flow** [QSYS16]. **Multi-Function** [DKLB15]. **Multi-GPU** [ZRL15]. **Multi-Grained** [CCY+16]. **Multi-Granular** [LFH+16]. **Multi-Granularity** [QZC15]. **Multi-Hop** [LWY15, MWY+16]. **Multi-Inherited** [HH17]. **Multi-Input** [TWTT11]. **Multi-Input/Multi-Output** [TWTT11]. **Multi-Interface** [DDN14]. **Multi-Keyword** [ZLX+16]. **Multi-Layer** [LLW+18, SDE+17]. **Multi-Level** [BCL+17, NL16a, NL19]. **Multi-Match** [CW16]. **Multi-Modal** [LT15]. **Multi-Mode** [ZLBB19]. **Multi-Objective** [SVD18]. **Multi-Output** [TWTT11]. **Multi-Path** [DVUS14]. **Multi-Player** [BSM+14]. **Multi-Radio** [LWY15, XWL+16a]. **Multi-Replica** [LRY+15]. **Multi-Resolution** [PMH+14]. **Multi-Socket** [CG18, LHH17]. **Multi-State** [MCXZ18]. **Multi-Task** [ZLG+15]. **Multi-Tasking** [CvdBC18].

Multi-Tenant [ZGWC15]. **Multi-Threaded** [TLGM17]. **Multi-Threading** [CvdBC18, MS15, RCC14]. **Multi-Tier** [LZW+15]. **Multi-User** [HCD+16, YCCJ15]. **Multi-Version** [WLC+15]. **Multi-Way** [CLW+15, DY14]. **Multi/Many** [WTZ+19]. **Multi/Many-Core** [WTZ+19]. **Multiagent** [Ano13g, KMLH11]. **Multibeam** [GGL+14]. **Multibyte** [AMG17]. **Multicast** [ADOKM10, FG10, GY16, GY13, GGL+14, GY15a, GY15b, LXL+14, LHYZ13, SMG14, TH11, TC14, WJL+12, WS15, WLS18, XCF16]. **Multicast-Based** [XCF16]. **Multicasting** [SO10, XWY10]. **Multichannel** [LWF13, XLTZ11]. **Multichip** [SMN+17]. **Multicore** [BTBB14, CLS14, CCH11, CS11b, CWCS15, DSKH15, DW10, FJA+17, GJ14, GCD+11, GGSPM18, HWZ+12, HV12, HV14a, HBR11, IHR+16, JLC10, JJC14, KLJ+14, KCL+16, KH18, KCE+18, KA19, LNCX18, LMC+12, Man16, ML18, MHRARG+14, MBB+17, NEE18, OOD+17, RCM+16, RC14, RRK11, RJV+18, SC11, TCHL18, YLML15, YPB+16, YYW+16, YMG16, YRG13, YAGB17, ZDYZ13, ZDYZ14, ZZ10, ZLN11, ZRL15, ZYY18, ZHM+19]. **Multicore-Aware** [Man16]. **Multicore/Multithreaded** [RCM+16]. **Multicores** [BZ15, FSPD16, FSPD17, KPS+17, STK16]. **Multicycle** [Pom12d]. **Multidimensional** [TYWC10]. **Multidomain** [BPC12]. **Multifactor** [SL13]. **Multiformat** [GVGNCVM16, MLH12]. **Multihop** [CTS13]. **Multilayer** [HHLK12]. **Multilevel** [EGVFC+12, HC13a, HJF+13, NL15a, WSXZ13, WYL+15]. **Multimedia** [KKC17, LKYC12, LGH15, MM16, MSC12, PAC+12]. **Multioperand** [HVZ13, MLH12]. **Multipartite** [HWCH17]. **Multipath** [SLS+12, WW14]. **Multipattern** [Yun12, ZS13]. **Multiple** [ALBP14, CLS14, CWZ13, CP10, DJA11, FM19, FLL14, FK15, GRM16, Hie11, Jha13, LQD+16, LWK11, MKAY11, NDC+13, NL16c, OCK17, PCZB11, Pom16b, PPND17, RWZZ14, TC16, WNKL16, YCZ10, ZYW+16, ZLX+16, ZCK19, ZMY11, ZCY+16]. **Multiple-Bit** [GRM16]. **Multiple-Parameter** [NDC+13]. **Multiple-Precision** [ZCK19]. **Multiple-Queue** [PPND17]. **Multiple-Radix** [DJA11, Jha13]. **Multiple-Valued** [LWK11]. **Multiplexed** [GCLC11]. **Multiplexer** [SMCN18]. **Multiplexer-Based** [SMCN18]. **Multiplexing** [DYW15]. **Multiplication** [ARM15, ARM16, ABH+13, ACO12, AK14, CMO+16, CS11b, CYC+16, Cil13, DCCK17, DJJ+08, FP19, Gio12, GNTS13, GJ15, GL19, GIW18, HK13a, HRM11, HN11, HMNN12, HGEG11, IRMM+16, KEK16, KVV10, KHZ17, Lee12, LPW10, LYS14, LNL+19, LJL13, MH15, MHML15, NWA12, NR15, NTR14, PCHS14, PCHS17, PRBM13, ROH17, SL10, VAB14, YFCV14]. **Multiplications** [ARM13, DS14, ERRM16]. **Multiplicative** [Dum14, MPZ15, RMERM19, Wal19]. **Multiplier** [AS10, ARM13, BNP10, CLL+14, DHM16, FF16, HMC11, KS10b, LMZQ17, MCT19, NWA11, PCHS18, RM15b, WF12, WS10, ZM10]. **Multiplier-Dividers** [AS10]. **Multipliers** [ARM16, CHN14, CLC+16, CDL+17, DJA11, DJA14, DRC14, Fan16, GT19, GPN11, HF15, Ima18, JHQL16, KBO+19, LAAM11, LQW+17, LCY+19, MHHS17, SP16, TAM+16, VAM10, VALK19]. **Multiply** [CCRL19, WF17, ZCK19]. **Multiply-Add** [ZCK19]. **Multiplying** [PP16]. **Multiprefix** [HHY11]. **Multiprocessor** [BKH+13, CA12a, Fuj11, HTC13, HWL+14,

KGGJ14, LSSE15, Lee17, Li12b, LCX+16, LLX+17, LKT13, LYJ+18, MWW14, MW13, OP15, Tsa13, YHC19, YHV13]. **Multiprocessors** [Ano11f, BPT10, CNJ14, DAS14, FBWMM13, KSEG15, KK10, LMJ14, LKMSA16, ST17, ST18b, WMW12, WXW+14, ZCY+16, ZMS13]. **Multiprogrammed** [CPS+10, CA12b, HGCT13]. **Multiradio** [CWZ13]. **Multireceiver** [FHH10]. **Multiresource** [GSX+13]. **Multiscale** [NL16b]. **Multiscale-Symbol** [NL16b]. **Multisize** [LPL10]. **Multispeculative** [DHM16]. **Multistate** [AXS+10]. **Multisuffix** [HY12]. **Multitask** [LKLK13]. **Multitasking** [CGL+13]. **Multithreaded** [AT16, JJC14, LvH12, RCM+16, RRK11, WLM15]. **Multithreading** [CCH11, CCK+16b, GSL10, YG10]. **Multithreshold** [ST12]. **Multituple** [YFJ+14]. **Multivalued** [AXS+10, LB15a]. **Multivariate** [dAJM14]. **Multiway** [CLS10, HN13, PCHS16, SWZG11]. **MuR** [LRY+15]. **MuR-DPA** [LRY+15]. **MuSA** [dAJM14]. **Mutation** [PFGB14]. **Mutually** [LKS+14, ZV14].

N [KS12]. **N-Modular** [KS12]. **NAF** [ADJ12, TX16]. **NAND** [AKJ+13, Cha10b, CQW+15, CWL+17, CCL+18, CC11, CYL+14, GWM+17, JSH+17, KLLK11, LKLK13, LK16a, LCY+16, PDXZ13, PPKW12, ROGHNB+18, SKM14, UMN18, WW16, WLY+14]. **NAND-Flash-Based** [Cha10b]. **Nano** [LT15]. **Nano-Machine** [LT15]. **Nano-Scale** [LT15]. **Nanophotonic** [MKLW14]. **Nanoscaled** [SRCK10]. **Nanotechnology** [BKP16, BKP16]. **Narrow** [HK15a]. **Narrow-Width** [HK15a]. **Nationwide** [JGG+14]. **Native** [FGS+13, SWWC11]. **Navigation** [CYHL14]. **NBTI** [ORBM13]. **NCCloud** [CHLT14]. **Near** [FSGAB+16, MHK15, RVC+15, SSGB19, TYY+16]. **Near-Memory** [SSGB19]. **Near-Optimal** [RVC+15, TYY+16]. **Near-Threshold** [FSGAB+16, MHK15]. **Nearest** [HV16, KMP11]. **Nearly** [ZWLS15]. **Necklace** [HHKW12]. **Need** [LYT+16]. **Negative** [DSR15, WHC+15b]. **Neighbouring** [ST16]. **NEON** [SD18]. **NeST** [DYJ19]. **Nesting** [TPR16]. **Net** [CZ16, YLH13, RVL+14]. **Net-Based** [YLH13, RVL+14]. **Netlist** [AD13]. **Netlist-Driven** [AD13]. **Nets** [CCK10, HB11, XKT+15]. **Network** [AAR19, ASTU10, Ano13g, BPBBL13, CHC+15, CHLT14, CC16, CXYC16, CPL16, CJ13, CDK+18, DYJ19, DKLB15, DKG13, EYBK15, FSR+18, GCD+11, GEvS10, GC14, GHL17, GSG+15, GW16, GCL+13, GIKR19, HMD+17, HCSW15, HCG+16, HGL+15, HWE+16, IHR+16, JWL+16, JWC12, JRC14, KC14, KGC14, KLK+14, Kim15, KCRG15, KKY+16, KH14, LKS+14, LCLL15, LW15, LSHC15, LSW15, LYJ+18, LKMSA16, LLL+17, MMCS18, MFT+17, MKLW14, NY19, PAP13, PP10, PBT13, PSND16, RDEN10, RKZ16, SKPK10, SLZX15, SLLG15, SPTC15, STK16, TYY+16, TLP18, UVL+13, VBR+13, WZLX12, WJL+14, WWM16, WZCG16, XCF16, YY14, YLGD19, YG10, YRG13, YYC12, YCZ10, YCCWC15, YCK10, ZWX12, ZR15b, ZL16, ZMW+19, ZC13]. **Network-Based** [WZCG16]. **Network-Coding-Based** [CHLT14]. **Network-on-Chip** [CHC+15, DKLB15, DKG13, EYBK15, GCD+11, GC14, HMD+17, HCSW15, HWE+16, JRC14, KC14, KLK+14, KKY+16, LYJ+18, LKMSA16, MMCS18, MKLW14, PSND16, SKPK10, WWM16, WZCG16, XCF16]. **Network-on-Chip-Based** [STK16, YYC12]. **Network-on-Chips** [YLGD19]. **Networked** [DLC+13, JZLD10, Yam10, YLY+15a].

Networking [SBP+14, WLT+16]. **Networks** [AO11, AO12a, ABB17, AEKT15, ASTU10, AK15, AB16, AD10, AD12, Amm14, Ano11d, BFMT16, BDP15, BWCW15, BWV15, BKV12, BBVL14, CMB13, CZP+18, CFMS14, Cha10a, CCE+18, CS11a, CWZ11, CBZ14, CS15, CTD+16, CJG16, CWTT13, CLR13, CYC11, CDK+18, CSJ+11, CWY13, CGL+13, CTS13, CCD12, CCP+13, CRK10, CBTU14, CBVL16, CJK15, DDN14, DMXY14, DY12, DCL+11, DLL+12, EDL+14, FB13, FTP13, FS10, GD17, GSH+14, GDC+16, GHG+14, GY15a, GDY15, GY15b, GLTC16, HXVQ15, HBCC13, HMD+17, HKWC14, HLJ14, HCZW13, HWX15, JK15, JGHD11, JRW+14, JRS+15, JWL+16, JKY10, KGGJ14, KBO+19, KKT15, KLT16, KL16, KH10, LRC10, LR13, LYOB15, LMC+15, LH12a, LCL15, LWW11, LSS13, LS13, LXL+14, LGH15, LYT+16, LLZ+17, LOH17, LSX13, LCHC14, LYCT10, LKLT12, LWY15, LXZH16, LCT11, LXK12, LZYL13, LSZ+15, LJY+15, LZS+13, LYL+19, MNFA14, MCC12]. **Networks** [MM16, MB12b, MHRARG+14, MWY+16, MD13, MMH14, MMB14, NH10, PLP+13, PLZW14, QSYS16, RMB+13, RL13, RGK15, RDEN10, RLX15, RRS+16, RS13, RNS13, SKPC15, SMP16, SXLC15, SBH11, SPC+16, SDE+17, SSGB19, SJVR19, SCK10, SRR+16, SG12, SG13, SL14a, SPTC15, SO10, SZS14, SKA10, Ste14, TYWC10, TH11, TSK16, THM+14, VYEB18, VBR+13, WJL+12, WXLL13, WJL+14, WXW+14, WXLY15, WZM+16, WLYY16, WLJ+16, WCM+16, WEH+19, WGZ+15, WHC+15b, WS15, WW14, WLS18, XWY10, XCW+10, XWH14, XWL+16a, XWL10, XLTZ11, XWL+16b, YKK+15, YL14, YMK+17, YZ15, YLL16, YASS14, YLA10, ZNL18, ZLG+15, ZGY13, ZMY11, ZY12, ZWD+16, ZLXW15, ZWL+19, ZWC13, ZGW14, ZLYS15, dAJM14]. **Networks-on-Chip** [ABB17, Ano11d, CCE+18, CRK10, DMXY14, EDL+14, FTP13, KGGJ14, RMB+13, SDE+17, WXW+14, WZM+16, WEH+19, WLS18, YMK+17]. **Neural** [AAR19, CLW+15, DYJ19, GIKR19, HMD+17, KBO+19, LYL+19, LLL+17, NY19, SSGB19, SJVR19, SKM+13, XWL+16b]. **Neuromorphic** [QWB+13]. **Neuroprocessors** [ZMR+13]. **Neurosynaptic** [TBC+17]. **Newton** [Dum14, Wal19]. **NextCell** [ZZX+15]. **NFRA** [PAP13]. **NICO** [WFT+19]. **Niederreiter** [HC17]. **NIPD** [TJX+17]. **NN** [FEM+18, ZCL+16]. **NNPIM** [GIKR19]. **NO2** [WGR+14]. **NoC** [CCM14, DCY+13, GD17, JKD+19, KAH18a, KCL+16, KN13, LDB+17, LY17, MSPK12, OMFH14, PB16, RVL+14, RC14, SKEB18, SBP+14, SMG14, TMS+14, WLV+14, WJY+17, WZK+19]. **NoC-Based** [CCM14, KN13, MSPK12, RC14]. **NoC-Bus** [RVL+14]. **NoCs** [DSPB13, FCB+19, LY18, MJW+14, MWLJ15, SKEB16, XWLX17]. **Node** [FEP+12, LY11, MMH14, SKA10, WXLL13, WXLY15, XP10, XLW14, YTM16]. **Node-Disjoint** [SKA10]. **Node-Level** [XP10]. **Node-To-Node** [SKA10]. **Nodes** [CCP+13]. **Noise** [LHCL13, ZLY15]. **Noisy** [Cao12]. **Non** [AK19, BCK+16, BIP+17, Cha14, CHTD19, CC16, GL19, HZX+14, HWE+16, JAKD18, JSA17, JW16, KO14, LKBS16, Lee17, LTL14, LMZQ17, LXW+19, LZZ+17b, NL15a, RD18, SMB+15, SJD+18, SRR+16, STR15, ST18b, SZZ+19, SZL+16, TJX+17, TAH+16, TC16, TIHM18, TAM+16, WWY+16, WWY+18, WNKL16, WhCCC12, XZL+19, YWW+16, ZFHC19]. **Non-Binary** [NL15a]. **Non-Blackbox** [TIHM18]. **Non-Blocking** [HWE+16, SRR+16]. **Non-Coprime** [GL19]. **Non-Fragile** [BIP+17]. **Non-Ideal** [SMB+15]. **Non-Intrusive** [TJX+17]. **Non-Iterative** [TC16]. **Non-Linear**

[CC16, KO14]. **Non-Numeric** [BCK+16]. **Non-Parametric** [LTL14]. **Non-Preemptive** [Lee17]. **Non-Recursive** [LMZQ17]. **Non-Redundant** [TAM+16]. **Non-Speculative** [STR15]. **Non-Uniform** [ST18b, WhCCC12]. **Non-Volatile** [AK19, Cha14, CHTD19, HZX+14, JAKD18, JSA17, JW16, LKBS16, LXW+19, LZZ+17b, RD18, SJD+18, SZZ+19, SZL+16, TAH+16, WWY+16, WWY+18, WNKL16, XZL+19, YWW+16, ZFHC19]. **Nonblocking** [GY15a, GY15b, Zhe10]. **Noncoherent** [CRG+13]. **Noncooperative** [CWZ13]. **Nondeterministic** [Hie11]. **Nonindexed** [LOX+13]. **Nonintrusive** [WhCCC12]. **Nonlinear** [GO10, KW14]. **Nonlinearity** [MM17]. **Nonlinearly** [SKM+13]. **Nonuniform** [ZDYZ13, ZDYZ14]. **NOR** [PRM19]. **Normal** [ABH+13, ARM13, DJA14, ERRM16, KEK16, NWA11, NWA12, RMERM19]. **Normalization** [ADJG19]. **Normally** [CFL+18, RD18]. **Normally-Off** [CFL+18, RD18]. **Note** [CL12, CQ14, MW13]. **Notification** [BBPQ15, JRW+14]. **Novel** [BMS11, BC16, CSW+15, CC16, CC11, GWZ+10, IBH+13, KCL19, KL13, LLCC13, LFJ+13, LPL12, NL14, SSKL16, SWM+10, SPH13, TLZV11, WXLL13, WS14, WSZ+16, WNKL16, WZLS16, YLY+15a, YFCV14]. **NP** [KLT16, XTF+12]. **NP-Completeness** [KLT16]. **NP-Hardness** [XTF+12]. **NPAM** [PBE17]. **NROM** [LLHC15]. **NROM-Based** [LLHC15]. **NTRUEncrypt** [DWZ18]. **NUDA** [ST18b, WhCCC12]. **Null** [YCW11, YLP15]. **NUMA** [KP15]. **Number** [ADI11, AC11, GKB+10, KBP13, Kůr12, MG16, NM10]. **Numbers** [BLMM16, HV16, YUGD14]. **Numeric** [BCK+16]. **Numerical** [RT14]. **NV** [RD18, WWY+18, XZL+19, YWW+16]. **NV-Clustering** [RD18]. **NV-Dedup** [WWY+18]. **NV-eCryptfs** [XZL+19]. **NV-Tree** [YWW+16]. **NVM** [LXW+19, PBE17, SMA19]. **NVM-Aware** [PBE17]. **NVMM** [CLCS19]. **NVRAM** [BDM+19, CCC+18]. **NVRAM-Based** [BDM+19]. **nvramdisk** [JW16]. **Nyquist** [LVJ16]. **Nyquist-Sampled** [LVJ16].

O [BBP+13, DYHX16, GKD+17, HWS+17, HS18, HLC+19, KSJ+12, KRP18, LKBS16, SNM16, SYH17, SHH+16, TAH+16, ZL16]. **O-Redirection-Based** [HQLX15]. **O/S** [SNM16]. **O/S-Orchestrated** [SNM16]. **O3** [NKEM11]. **Obfuscation** [FRB+18, ZL19]. **Object** [KT12, YTD+17]. **Object-Based** [YTD+17]. **Objective** [CA12a, ML18, SVD18]. **Objectives** [CCC+17]. **Objects** [CT13, LCT11, RKN+18]. **Oblivious** [HMZ+14, KLK+14, KCS+13, RL13, SBI12, WCL+18]. **Observability** [KCY18]. **Obtained** [Ste14]. **Off** [CFL+18, KWC+16, LLW+17, MAG+17, MEBS17, RD18]. **Off-Based** [SC18]. **Off-the-Hook** [MAG+17]. **Offloading** [XLF15, YZH+15]. **Offs** [ADOKM10, ASBdS16, BCC+16, BS14, BG12, GCAG16, KCL+16, KN11b, ZZ10]. **Offset** [RBMO11]. **OFWAR** [WZ14]. **OLAP** [HNV19]. **Oligopoly** [FLL14]. **Omission** [Pom15b]. **On-Chip** [CKKS14, CDK+18, HJBM14, JKY10, JJZ+16, JWC12, LKS+14, MNFA14, MKAY11, MD13, OHCK17, PVKA14, RRS+16, RKZ16, SIVH16, VYEB18, VCG+12, ZNL18, ZGY13]. **On-Demand** [CAbZM18, CQW+15, LLLJ13, WZ14]. **On-Line** [BCSR14, BCD+16, FSPD16, GY14, MG11a, NZLK14]. **On-the-Fly** [DHM16, Pip11, YLY15b]. **ON-the-Run** [LBSK17]. **On/Off** [SC18]. **On/Off-Based** [SC18]. **One** [CMRH17, MWLJ15, MMP13, PC16, RLRL19, TYY+16]. **One-Sided** [TYY+16]. **Ones** [LYT+16]. **Online** [ASE17, AD16, BSM+14, CVMA10, DY12, DRS+16, EE10, GCLC11, GVGNCVM16,

GBA+18b, HRM+16, HMC11, JWL+16, KL16, MNGV16, MLH12, PSM17, QQW+17, RCC14, SLLG15, ST12, SXCL14, Tse12, WHC+15b, XWL10, XTW15, ZJL+16]. **OnlinePlus** [Ano10f]. **onto** [HNB+12, KN12, LSC11]. **Ontology** [MH19]. **Ontology-Based** [MH19]. **Open** [Ano13e, HTH15, TPR16]. **OpenCL** [CLOL18, HHC+18, LWKA15, LWZ18]. **OpenCL-Based** [CLOL18]. **OpenFlow** [JPLP13]. **OpenFlow-Based** [JPLP13]. **OpenMP** [MB12a]. **Operand** [LK15a, WE12]. **Operate** [FSGAB+16]. **Operating** [DCL+11, IBH+13, LMB+16, LLW+11, LLD+16, ZMW15]. **Operation** [ACW+11, HV14a, JHQL16, MYW11, YLH13]. **Operational** [RBIQ15]. **Operations** [APP12, Cil11, GC16, IRMM+16, KPBC17, KMP11, SEY14, SYH17, SS12, XTW15, ZLWZ15]. **Opinions** [JWWZ16]. **Opportunistic** [CBVL16, GHG+14, HKWC14, LCHC14, SKPC15, SMP16, XWH14, YZH+15, ZGB+15]. **Optical** [GY13, KH14, PTD+12, PRGBSAC19, ZGY14]. **Optimal** [ABH+13, AT16, BCL+17, CFL+18, CLS14, CCC15, CPL16, CYC11, CTS13, GM12, GZB+15, GKC19, GDY15, HT12, KwPK+15, KCS+13, KEK16, LCA10, LP13b, LZZV16, LWF13, MBGS10, PLP+13, RL13, RVC+15, TYY+16, TX16, VK15, WXLY15, WLT+16, XAYL15, YLGD19, YASS14, ZWLS15, Zhe10, ZV14, ZL15]. **Optimality** [TKL+14]. **Optimally** [WLQS13]. **Optimised** [CMO+16]. **Optimization** [AEP18, AR17, AWFV13, CPL16, CvdBC18, CK15, DSR15, DZD+16, DKW15, DDNT19, GYC+16, GAFN15, GZG+16, GW16, GLP15, HCSW15, HHLK12, HGL+15, JP13, KM11, KSEG15, KAH19, KHZ17, LYT+16, LHH14a, LSZ+15, ML18, NYHB16, PWTS16, QML+15, RC14, SKM14, SCJ+16b, SZW+16, TLGM17, WXW+14, WWM16, WRW16, WSL+18, XLL+18, XSR15, YLML15, ZD13, ZGG+16]. **Optimization-Based** [HCSW15]. **Optimizations** [BZ15, CVH+13, GHL17, LHTG15, YHT+16, ZAG19]. **Optimize** [HZX+14]. **Optimized** [FML10, IRMM+16, LNL+19, MCT19, Yam10]. **Optimizing** [DWZ18, DEE17, FSL+17, GKD+17, HWSX17, HWZ+17, LOX+13, LTLC12, LLLJ13, NEE18, NL16c, RS13, SYH17, ZJS14, ZFHC19, ZZ19, ZJXL11, Avr13]. **Optional** [PC16]. **Orchestrated** [SNM16]. **Order** [BMZ17, CVMA10, DP13, LPL12, MY10, NKEM11, RRK11, RBG+19, Sri10, WLZ+15, WA10, YCW11, YLP15, ZMB18]. **Ordered** [AKJ+13]. **Ordering** [BBPQ15]. **Organization** [KCL19, LR10, SBW+16]. **Organized** [DKK16]. **Organizing** [GEvS10]. **Oriented** [GZC+17, TC14, YHC19, ZL15]. **Orthogonal** [DRM16, NL15a]. **OS-Level** [cCWS14]. **OS/Apps** [ZLW+17]. **Oscillator** [LB15b]. **OSGi** [LLCH13]. **Other** [FLS16]. **Out-of-Order** [NKEM11, Sri10, WLZ+15, WA10]. **Outgoing** [Mon19]. **Output** [AHK10, TWTT11]. **Output-Queued** [AHK10]. **Outsourced** [LLC+15, LQD+16, WCH+15]. **Outsourcing** [WRW16, WJF+11]. **Over-Collection** [LDMQ16]. **Over-Redundant** [EJ15]. **Over/Under** [LY17]. **Overclocking** [KSC+14]. **OverCome** [JLKR19]. **Overhead** [AS12, BS16, CFR+14, CCW+10, CJK19, EE17, KLK+14, LKBS16, PPP13, RBMO11, RS13, TW10, WLQS13, ZLW+17]. **Overheads** [LKH16, SC18, XJFT16]. **Overlap** [PCHS17, RLRL19, ADJG19]. **Overlap-Free** [PCHS17]. **Overlay** [AK15, LXK12]. **Overscaling** [AEGH19]. **Oversubscribed** [KFB+15]. **Overview** [FLP+13]. **Owners** [ZLX+16]. **Ozone** [NKEM11].

P [GT19]. **P1687** [ZICL12]. **P2P** [CS15, CLMM11, LSW15, PPB+14, SL13, SLC15a]. **Packed** [CXZ13, JL11]. **Packer** [LTW+12]. **Packet** [AHK10, BMS12, BSS14, BSS15, CW15, CW16, FBR+12, GY13, IHR+16, LFJ+13, LW13, LPCW14, MFT+17, MOYB12, RO11, SRCbL+15, ST11b, XHZ14, YFJ+14, YM11, YZGG16, ZWLS15]. **Packet-Mode** [AHK10]. **Packets** [KKH+14]. **Packing** [CGJ+10, SXCL14]. **Page** [AKJ+13, GCF+16, LBN14, LH16, LZZ+17b, PBE17, SPC+18]. **Paging** [KLLK11, WLY+14]. **Pair** [PR10]. **Paired** [KP13]. **Pairing** [BDE+11, CKM15, CMRH17, FVV12, KHPP16]. **Pairing-Based** [CKM15, CMRH17]. **Pairing-Friendly** [FVV12]. **Pairings** [LT14]. **Pairs** [PR10, VK15]. **Pairwise** [RNS13]. **Pancyclicity** [LH12a]. **PAnDA** [TLB+17, WTBT13]. **Papers** [Ano10c, Ano11c, Ano11d, Ano11e, Ano11f, Ano13d]. **Paradigm** [BDDL18, DYJ19, KYZC19, MFT+17]. **Parallel** [AR17, CS11b, CZP+16, Cil13, CDL+17, DN15, DYCG16, Fan16, Fin10, FM16, GRM16, GJ15, GAC14, HK13a, HWS+17, HWSX17, HS18, HT16, HHW+18, Ima18, KGD16, KAH+15, KLC18, KT12, LR16, LR10, LLCC13, LWL+16, LTW+12, LB13, LMT13, ML18, MHRARG+14, MBB+17, MKRM12, MC11, NL15b, NL16a, NZ15, NR15, NTR14, PZZQ19, PRM16, PSL17, QJM+10, QWB+13, RKR15, RT14, RS10, RQ14, SNY+10, TRA18, VAM10, WGR+14, WZLS16, XP10, XLX+14, YSZ+14, ZLBB19, ZCZL16, ZCS16, ZYL15, ZM10, ZYY18, ZXX+14, ZMRQ11]. **Parallelism** [HJF+13, JDA+16, LR16, LWF+17, SHGW15, SJC+17a, SJC+17b, XLL+18]. **Parallelization** [YLGE14]. **Parameter** [CYC+16, DZLP14, KSJ+12, NDC+13, YFCV14]. **Parameter-Aware** [KSJ+12]. **Parameterized** [WLZ10]. **Parameters** [MBF18]. **Parametric** [LTL14, YLH13]. **Parity** [GRM16, KLC+16, MAD14]. **Parity-Based** [GRM16]. **PaRS** [ZHQX19]. **Parsing** [TLL+13]. **Partial** [CYHC14, CLC+16, DHM16, FSL+17, JWC12, JRC14, LHPH15, MY10, XHZ14]. **Partial-Terminal** [LHPH15]. **Partially** [DSPB13, DKK16, Pom16a, RSU17, SKEB16, WLJ+16]. **Partially-Functional** [Pom16a]. **Participation** [WZY16]. **Participatory** [LZZV16]. **Particle** [LKYC12, RM15c]. **Partition** [FF16, NTR14, SDL+19]. **Partitioned** [LCX+16, LS10c, YLML15, KMC17]. **Partitioning** [ASTU10, CTD+16, EDL+14, HWG+14, JSC10, KCY18, KKT15, LP12, LZA+16, MWW14, SJS10, WHYS16, YCCJ15, YHC19, ZRL15]. **Partitions** [LC16a]. **Party** [KKH+14, QZL+16]. **Pass** [ZGR13]. **Passing** [YKK+15]. **Passive** [JGHD11]. **Password** [ASBdS16, LLD19, YRT+16]. **Password-Authenticated** [YRT+16]. **Path** [BDP15, DSY+15, DVUS14, EDL+14, Fen14, GEN+17, KP13, NI11, RS13, SBP16, WTY+14, XTF+12, Yan14]. **Path-Based** [EDL+14, GEN+17]. **Path-Dividing** [Yan14]. **Paths** [Fen14, FK15, GDC+16, SKA10]. **Patient** [LDP10]. **Pattern** [AK16, DSKH15, GSK12, LP13a, LLCC13, LWL+16, MGW14, PPKW12, RSG+19, ZLY15, ZLN11]. **Pattern-Aware** [DSKH15]. **Patterning** [LZZ17a, khR+18]. **Patterns** [CCC15, CH14, LWF+17, Pom13b, RGK15, SBH11]. **Payload** [SPH13]. **PBC** [RPM16]. **PC** [BSS14, BSS15]. **PC-DUOS** [BSS14]. **PC-TRIO** [BSS15]. **PCLMULQDQ** [JL11]. **PCM** [NL15a, NL19, CCY+16, CJK19, LBN14, LWF+17, MCM16, QLH+16, ZZJ+19]. **PCs** [KBH+10]. **PDG_GEN** [MNFA14]. **PEAF** [EKA17]. **Pearl** [HHKW12]. **Pearl-Necklace** [HHKW12]. **PEBD**

[ZMRQ11]. **Peer** [CYJ+10, HHM11, LSS13, LLLJ13, YY10, YY14]. **Peer-Assisted** [LLLJ13]. **Peer-to-Peer** [CYJ+10, HHM11, LSS13, YY10, YY14]. **Penalties** [BCC+16]. **Pentanomials** [HF15, Ima18]. **Per-Job** [YLH10]. **Per-Resource** [YLH10]. **Perceptron** [LLW+18]. **Perf** [FSPD17]. **PerfBound** [SC18]. **PERFECTORY** [LCC10]. **Performability** [AXS+10, MCXZ18, SCNS10]. **Performance** [ALZ16, ASE17, AS12, BR13, BD15, BZ15, BJ12, CVPS19, CA12a, CPS+10, CK11, CCH11, CGT+15, CCK+16b, CJK19, CWY13, CTS13, CCD12, CCLH10, CDL+17, FSPD17, FTP13, FG10, GZC+17, GHL17, GCAG16, GRL+14, GW16, GCS+13, GBA+18b, HMR+17, HGCT13, HC13b, HLY14, HJF+13, HGW+17, Iko15, IS11, JAKD18, JC12, JZLD10, JHQL16, JJC14, KLK18, KM11, KIJ14, KBH+10, KP15, KCRG15, KCL+16, KSC+14, KAK18, LLC+16, LZ15, LK14, LS10a, LMJ14, LWZ18, LBWH11, LCY+16, LZZ+17b, LSG+15, LY17, MWW14, ML18, MJWT16, MLS19, MKRM11, MKRM12, Nan16, ORM10, OPV+17, PP11, PCLN15, PvdGG12, QWB+13, QLH+16, RVL+14, RMB+13, RSG+19, SMP16, SMA19, SMB+15, SMTK12, SSW12, SX12, SCSL12, SME+17, Tho12, TCK+18, TLGM17, VPS+12, VED+16, VAM10, WZLX12, WWY+18, WDSP12, WFY+17, XJFH15, XLC14, XLW14, XLJ16, YP12, YLML15]. **Performance** [YAG19, YMT13, YMTV14, YYP+16, ZCZL16, ZWX12, ZCS16, ZL16, ZLSI17, ZZJ+19, ZMW+19, ZZ10, ZRL15, ZOD13, ZJXL11, khR+18]. **Performance-Driven** [BR13]. **Performance-Energy** [BZ15]. **Performance-Predictable** [ALZ16]. **Performance-Varying** [ALZ16]. **Performance/Power** [Nan16]. **Performance/Reliability** [HMR+17]. **Performance/Reliability-Aware** [HMR+17]. **Performing** [KMP11]. **Period** [DZD+16, LXL+13, LDL+17, RBR13]. **Periodic** [HGW+17, LKBS16, LXJD15, LP13b, RBR13, WXS12]. **Peripheral** [PC10]. **Peripheral-Processor** [PC10]. **Peripherals** [BBP+13]. **Permanent** [DKK16, MBSSA19, PB16, ZHM+19]. **Permutation** [CJK15]. **Permutations** [ARH+18]. **Persistent** [WFT+19, XHLW19]. **Perspective** [KCW+17, KSC+14, WHBR16, WSXZ13]. **Perturbed** [PRM19, SST12]. **Pervasive** [KC13]. **Pessimistic** [HWL+14, Tsa13, YLL16]. **PETCAM** [MS12]. **Petri** [HB11, CCK10, YLH13]. **PHAETON** [SBP16]. **Phantasy** [RZPX19]. **Phase** [DY14, JSC+19, LYB15, LKK+19, NBZP17, NL15a, PLM16, PP11, PTD+12, QML+15, WSXZ13, YTD+18, ZZYZ14, NL19]. **Phase-Based** [PTD+12]. **Phase-Change** [DY14, LYB15, PP11, QML+15]. **Phase-Encrypted** [NBZP17]. **Phases** [CZ14]. **Phishing** [MAG+17]. **Phone** [ZZX+15]. **Phones** [TZL+14]. **Photonic** [KC14, SRR+16]. **Phylogeny** [MSPK12]. **Physarum** [LSZ+15]. **Physical** [FBWMM13, HWSN15, LcZLG19, PRGBSAC19, QPG10, SLC+15b, WTBT13, YLY+15a]. **Physically** [CJSM17]. **Piecewise** [Pom15a, SDP11]. **Piecewise-Functional** [Pom15a]. **Piecewise-Polynomial** [SDP11]. **PIM** [LK18]. **Pin** [RC14]. **Pin-Count** [RC14]. **Pinpointing** [LLM+15]. **Pipeline** [PRM16, PSND16, ROGHNB+18]. **Pipelineable** [BDMLN16]. **Pipelined** [CLS10, CKKS14, GT19, HFG+17, HZ11, KGP15, SDP+15, WZLX12]. **Pipelines** [CP10, SF17, Sri10]. **Pipelining** [ZWL+19]. **Pixel** [GKS14]. **Pixel-Arithmetic** [GKS14]. **Place** [LNCX18]. **Placement** [BDP15, CPL16, CYC11, FB13, GZB+15,

HGL+15, KLK+14, KP15, KLC+16, LY11, LCLC19, Man16, MMH14, SWZG11, SZW+16, WXLL13, WXLY15, WCLY16, YCLH16, YASS14, ZGG+16]. **Placement-Ideal** [SWZG11]. **Plagiarism** [CJ12]. **Planes** [UVL+13]. **Planning** [CMS10, CKN14, Cro14]. **Plantlet** [MSS17]. **Plasticity** [ZM17]. **Platform** [CZL+17, RVL+14, SPH13, VGF16, ZLN11]. **Platforms** [AKTB18, AS16, BMP+10, DMA+15, FMTK19, LCX+16, YYP+16, YAGB17, ZRL15]. **Player** [BSM+14]. **Players** [KLLK11]. **PLRU** [KLLK11, LKLK13, WLY+14]. **Plus** [BT16]. **Plus-Minus** [BT16]. **PMC** [HWL+14, LKT13, Tsa13]. **Podcast** [Ano10g]. **Point** [AMG17, AK14, BLMM16, BGHL19, CHCK12, CK15, CI16, DJJ+08, GH11, GNTS13, GABK11, HMS+12, JPG10, JKMR11, JLMP11, JCK15, JMMP16, KGD16, LP17, Lee12, Lef17, LCW+16, MKFM13, Nan19, PGvdG14, SBH11, SS12, VVMAZ12, VMHGN18, WF17, YTND12, ZMR+13, ZCK19, dDLM11]. **Pointers** [RKN+18]. **Points** [JLMP11, YTND12]. **Policies** [CXLL16, XLF15]. **Policy** [CWZC13, CFMA19, Cro14, LXDV17, LCHX11, RVH+16, ZHW15]. **Polymorphic** [CXZ13, TXL11]. **Polynomial** [AH10, ACO12, BNP10, BLB+19, CNH13, CHN14, Cil13, DWZ18, ERRMG15, Fan16, FP19, GAFN15, Gio12, HF15, HN11, JKMR11, LPW10, PCHS14, PCHS17, SDP11]. **Polynomials** [AK16, CMLRHS13, LCwW10, TIHM18]. **Polysynchronous** [NLRB17]. **Popularity** [ZHQX19]. **Popularity-Aware** [ZHQX19]. **Population** [MB16]. **Population-Based** [MB16]. **Pore** [MHRARG+14]. **Port** [GCL+13, LW15]. **Portable** [KLLK11]. **Ports** [Hie11]. **Positive** [WHC+15b]. **Post** [BKH+13, COLK18, DSR15, KN12, LLK18, NZ14, NL14, OHCK17, OCK17, PN16, SD18]. **Post-CMOS** [PN16]. **Post-Quantum** [LLK18, SD18]. **Post-Silicon** [BKH+13, COLK18, NZ14, NL14, OHCK17, OCK17, KN12]. **Post-Synthesis** [DSR15]. **Postsilicon** [CCL+13, PBV11]. **Potential** [CLW+19, Cil11]. **Power** [AQPMS15, AS14, ARS16, BDDL18, BSS15, BRN+15, BGM+13, BGMR13, BJ12, CLS14, CSCW13, CRJZ16, CGJ+10, CBTU14, DYW15, DMXY14, Dar15, DA12, DKLB15, DGC+15, EKA17, FZL+14, FHW18, GWMB13, GC16, GCAG16, GBD+15, GRL+14, GSF+10, GDY15, HRM+16, HMA+10, IPS17, JAKD18, JP13, JHQL16, JLLH19, KPS+17, KWC+16, KH14, KBP13, KHZ17, LK15a, LZ15, LW17, LWZ18, LCL17, LN12, LGMP10, LHTG15, LWH+16, LY17, LPL10, MWW14, MYHL16, MOYB12, MS12, MTBB10, MKRM11, Nan16, NC11, OPV+17, PKC+17, PvdGG12, QLH+16, RSNK17, RSN+18, RRK11, SP16, SCK10, SYD18, SKH16, SIVH16, SRK+17, SLZX15, SPC+18, SRHC12, TJX+17, TLGM17, VED+16, VALK19, WMW12, WJL+12, WZM+16, WP16, WSZ+16, WTZ+19, WMG18, XLS+12, YAG19, YM11, YTM16, YKDEV19, ZR15a, ZOK+19, ZZ10]. **Power-Aware** [CRJZ16, CGJ+10, HRM+16, YTM16]. **Power-Constrained** [TLGM17, WMW12, WJL+12]. **Power-Efficient** [DKLB15, EKA17, FZL+14, JAKD18, JP13, KH14, SRK+17]. **Power-Equalized** [WMG18]. **Power-Off** [KWC+16]. **Power/Performance** [GCAG16]. **POWER5** [MBC+13]. **POWER6** [MBC+13]. **PowerCool** [ASS+18]. **Powered** [BDM+19, CLZ19, MTBB10]. **Powering** [ASS+18, HZL+16, VB13]. **Powers** [Dum14, Wal19]. **PowerTracer** [LZW+15]. **Practical** [DCM16, GDLL18, GC16, GPR+19, HSA14, HKR+18, KMM16, LMJ14, MBF18, PDJ+19, SQJ+15, WJX+19, YFJ+14].

Practice [LLL15]. **PRAM** [HK15b]. **Pre** [ARM15, TX16, TAM+16]. **Pre-Computation** [ARM15, TX16]. **Pre-Encoded** [TAM+16]. **Precedence** [GHK15, Li12b, LTVL15, TLZV11]. **Precedence-Constrained** [TLZV11]. **Precise** [CVH+13, LK15a]. **Precision** [AMR18, BLB+19, BGHL19, CCRL19, CZS+19, FEM+18, Joh17, JMMP16, KS10b, LP17, Lef17, LMB17, ZCK19, NVB16]. **Precomputation** [AS16]. **Predicate** [KHPP16, KC13, XKT+15, YHML16, ZCR16]. **Predicate/Transition** [XKT+15]. **Predictable** [ALZ16, ARGT14, DCL+11, HCZW13, WA10, XLJ16]. **Predicting** [BD15, DSY+15, SB10, ZZX+15]. **Prediction** [AF14, AYC16, ASE17, BWV15, CGJ+10, Fen14, JGG+14, JWWZ16, JRJ+18, LR16, LTL14, LDP10, LCT11, MKAY11, SB10, SIB13, XWL+16b, ZCZL16, ZCS16]. **Prediction-Based** [AF14, BWV15]. **Predictive** [CNJ14, LSC10]. **Predictors** [MKAY11, MUMB11]. **Preempt** [SL14b]. **Preemption** [IGLM15]. **Preemptive** [Lee17]. **Prefetch** [LMNP11]. **Prefetch-Aware** [LMNP11]. **Prefetched** [RPM16]. **Prefetcher** [LKS+14, Pan16, RLSK18]. **Prefetching** [DZ10, GWZ+10, OYP+18, OKY+19, RZPX19, TLL+13]. **Prefix** [CWZC13, CKKS14, LP12, LLLP14]. **Prefix-Based** [CKKS14]. **Prescaling** [WE12]. **Preservation** [ZDP+15]. **Preserving** [CYHL14, GLTC16, LQD+16, MB12b, QQW+17, RVH+16, SH12, SZDL14, WCW+13, ZYC16, ZLX+16, ZHW+16, ZHW15]. **Pressure** [WZK+19, XSR15]. **Preventing** [KKH+14, LS10b, LDMQ16]. **Prevention** [MAG+17, STK16]. **Price** [FLL14]. **Pricing** [JT15, MNGV16, ZV14]. **Primal** [LPL+13]. **Primal-Dual** [LPL+13]. **Primary** [BR13, FHL+18, MJWT16, YTD+18]. **Primary-Backup** [BR13]. **Prime** [Dum14, XMH13]. **Prime-Length** [XMH13]. **Primitives** [AAR19]. **Principal** [FEM+18]. **Prioritized** [LH12b]. **Priority** [BM13a, BDB18, Lee17, LYS10, MBD+17, NRG15, ZZ19]. **Privacy** [CYHL14, HBCC13, LDMQ16, LQD+16, QQW+17, RVH+16, SKZS13, SZDL14, WCW+13, ZDP+15, ZLY15, ZYC16, ZLX+16, ZHW+16, ZHW15]. **Privacy-Preserving** [CYHL14, LQD+16, QQW+17, RVH+16, SZDL14, WCW+13, ZHW+16, ZHW15]. **Private** [QZL+16, WCL+18]. **Privatization** [AH13]. **Proactive** [LYY16, LZYL13, WZY16, WJM15]. **Proactively** [CHK10]. **Probabilistic** [LJ18, LHL13b, MHHS17, MHH+17, NC11, WNCH17, ZCR16]. **Probabilistically** [KAQC14, WHL17]. **Probabilistically-Atomic** [WHL17]. **Probabilities** [LB15a]. **Probability** [NCD+17, WF14]. **Probable** [XTF+12]. **Probe** [ZC13]. **Probe-Based** [ZC13]. **Probing** [ZC13]. **Problem** [Amm14, CPS+10, DALD18, DVUS14, Fuj11, LHPH15, LZ14, LSZ+15, WTY+14]. **Problems** [DDN14, GO10, LYT+16, LSX13, WHL+12, XLL15]. **Procedure** [BTBB14, LOC+16, XXBL17]. **Process** [DSG+19, GV15, HK16, KSC+14, KKC15b, LSA18, MLS19, PR10, ZDYZ13, ZDYZ14]. **Processes** [Cao12, NZLK14]. **Processing** [BBB+17, CK15, DHW+19, DKW15, FGS+15, GZC+17, GZG+16, GIKR19, GAC14, KLC18, LOX+13, LVJ16, MW10, SRCbL+15, SOM+13, SSW12, SPH13, WZLX12, WGR+14, WAK+17, WZW+19, XLS+12, XYHD17, ZCZ+19, ZLJ+17, dOPSR16]. **Processor** [BJ12, Dar15, Gor14, GRL+14, HCG+16, IDG+17, JWH+15, JAD+18, KAH+15, LvH12, Li12b, LB13, LOC+16, MBD+17, MFG14, MIS+14, PBV11, PCZB11, PC10, PPP13, RJV+18,

RSG+19, SDMM12, TBC+17, VED+16, YMG15, YYC12, ZDYZ13, ZDYZ14]. **Processors** [ARS16, BLKM+18, CLS14, CA12b, CCLH10, DZLP14, FHW18, GJ14, GSL10, GBA+18b, HTA17, HV12, HV14a, HBR11, IHR+16, JLC10, JJC14, KKC17, LK15a, LKH16, LSA+17, LMC+12, MMAC19, MBC+13, NEE18, OPAGS14, RCM+16, RURM18, RTRM19, RCN11, RTL+18, RRK11, SZZ+19, TCHL18, USP+13, YG10, YRG13, ZR15b, ZZ10]. **Procurement** [PR14]. **Produced** [Jes15]. **Producer** [KSEG15]. **Producer-Consumer** [KSEG15]. **Product** [CLL+14, CLC+16, HF15, HMNN12, HN13, PCHS16, PCHS18, Red19, RM15b]. **Production** [CKN14]. **Products** [BCTV19, CNH13]. **Profile** [AVS+14, SV18]. **Profiled** [Bar16]. **Profiling** [AKTB18, Fin10, KLKL13, LVMS18]. **Profit** [MLOL15]. **Profitability** [EE10]. **Program** [CZ14, KLLK11, LYH11, MUMB11, PNKI13, RKT19, SB10]. **Program-Level** [PNKI13]. **Programmable** [BEHL+19, WLV+14, ZJH+14]. **Programming** [BFR+15, CJSM17, HTA17, LvH12, LJVJ18, WHL+12, WRW16]. **Programs** [BCK+16, Fin10, GPRS17, GCR+19, WLY+14]. **Progress** [FSPD17, OYP+18, TLGM17]. **Progress-Aware** [FSPD17]. **ProgressFace** [LYCT10]. **Progressive** [FBR+12]. **Projected** [BCTV19]. **Projections** [SST12]. **Promise** [LT15]. **Promoting** [LYL+19]. **Proof** [HCD+16, SDZ15, XXBL17, ZGWC15]. **Proofs** [CL10]. **Propagating** [LS10b]. **Propagation** [ACGP13, FNS16, LLW+18, WHC+15b]. **Properties** [CL10, HIJ+19, LHL13a, WGZ+15]. **Property** [CM11, HIJ+19, MLW12, ST18a, TIHM18, YWM19, ZWYY15]. **Property-Based** [MLW12]. **Proportional** [NY19]. **Propose** [BFMT16]. **Protect** [CSS13, FRB+18]. **Protected** [MAD14]. **Protection** [CMM15, DRM16, DCV+12, HCG+16, KSN+15, LDMQ16, LLS+16, MAD14, NDG+17, RURM18, RTRM19, Red11, SKZS13, SMRM17, SEY14, SP12, SWWC11, YCL+12, YW12, ZLY15]. **Protein** [MGW14]. **Protocol** [AVG+15, BGRH15, CSJ+11, FHLOJRH18, FBWMM13, HL10a, HWX15, JZLD10, LCCJ13, LZYL13, LSL15, LXZ+15, RQ14, SMB+15, SDZ15, TC14]. **Protocols** [AD12, CKM15, CMRH17, CWZ13, DVUS14, EFGT18, KKP+16, LLZ+17, LYCT10, PFGB14, VYEB17, VYEB18, YRG13, YRT+16]. **Prototype** [Bar16, CS11b]. **Prototyping** [CCAM14, JRP+14]. **Provably** [DJJ+08, Lee12, PSM17, XJWW13]. **Providers** [FLL14]. **Providing** [GPN11, YASS14, ZCY+16]. **Proving** [HTA10]. **Provisioning** [CRJZ16, HGL+15, JPLP13, KL16, LY17, PAC+12, SXCL14, XLF15, XLJ16, ZRS+16, ZT15]. **Proxies** [GJ14]. **Proximity** [ZDP+15]. **Proximity-Aware** [ZDP+15]. **Proxy** [HHM11, XJW+16]. **Prune** [DYJ19]. **Pruning** [CZP+16, Ste14]. **PSBS** [DCM16]. **Pseudo** [FD16, KCW+17]. **Pseudo-Boolean** [FD16]. **Pseudo-Differential** [KCW+17]. **Pseudorandom** [MG16]. **PSRAM** [CSCW13]. **Pub** [BBPQ15]. **Pub/Sub** [BBPQ15]. **Public** [JCM16, LCwW10, LRY+15, MRW+15, SWM+10, WCW+13, XJWW13]. **Public-Key** [LCwW10, SWM+10, XJWW13]. **Publication** [Ano10f]. **Publish** [BS15]. **Publish/Subscribe** [BS15]. **Publishing** [Ano13e]. **Pubsub** [BS15]. **PUF** [GLH+19, SMCN18]. **PUFs** [USH19]. **Purpose** [HTA17, SJVR19]. **Push** [LP13b]. **Push-Based** [LP13b].

Q [DYHX16, SCJ+16a, WGW+15]. **Q-DRAM** [SCJ+16a]. **Q-Learning** [DYHX16]. **QBF** [MVB10]. **QC** [HC17]. **QC-MDPC** [HC17]. **QCA** [LLOS13]. **QoE** [THM+14]. **QoE-Based** [THM+14]. **QoS** [AK15, CP10, GZB+15, HGL+15, HLC+19, KS10a, KSS12, KP15, LY11, SMG14, ZWC+18, ZQQ11]. **QoS-Aware** [KSS12, LY11, ZQQ11]. **QoS-Based** [AK15]. **QoS-Less** [HLC+19]. **Quadratic** [Bin15, SEY14]. **Quadruple** [FGS+13]. **Quadruple-Based** [FGS+13]. **Qualification** [PFGB14]. **Quality** [BKV12, Jes15, MLOL15, PAC+12, RSJR17, SC11, YHV13]. **Quality-Driven** [YHV13]. **Quantifying** [LY17, YSLL16]. **Quantitative** [ZLH+15]. **Quantum** [GM15, HHKW12, KMM16, KKS14, LLK18, LWK11, MSK15, MCT19, RO11, SO10, SD18, WCL+18]. **Quantum-Dot** [KKS14]. **Quantum-Oblivious-Key-Transfer-Based** [WCL+18]. **Quasi** [LC16b, PDXZ13]. **Quasi-EZ-NAND** [PDXZ13]. **Quasi-Random** [LC16b]. **Quaternions** [PP16]. **Quatrain** [RWZZ14]. **Qubit** [KMM16]. **Queries** [SX12, WXS12, ZCL+16]. **Query** [CLR13, HXVF12, OOD+17, WCL+18]. **Quest** [RM15a]. **Queue** [PPND17]. **Queued** [ACGP13, AHK10, BGMR13, ZWLS15]. **Queues** [TB15]. **Queuing** [FHW18, SKEB18]. **Queuing-Based** [FHW18]. **Queuing-Theory** [SKEB18]. **Quick** [SCJ+16a, Tsa13, ZZJ+19]. **Quick-Access** [SCJ+16a]. **Quick-and-Dirty** [ZZJ+19]. **Quorum** [LRC10]. **Quorum-Based** [LRC10]. **Quotient** [Rus13].

R2 [DLC+13]. **R3TOS** [IBH+13]. **Race** [DJN17, WhCCC12]. **Races** [RBK+12]. **Racetrack** [MWZ+17, SBW+16]. **Radar** [WCLY16]. **Radiation** [CPRH16, dOPSR16]. **Radiation-Induced** [dOPSR16]. **Radio** [BBVL14, LWY15, XWL+16a, YCCWC15]. **Radius** [Joh17]. **Radix** [ARM15, AS10, ABA07, DJA11, EJ15, GIW18, Jha13, JHQL16, Kor15, LQW+17, MLH12, RMB+12, TAM+16, VAB14, WE12]. **Radix-** [EJ15, TAM+16, VAB14]. **Radix-16** [WE12]. **Radix-2** [MLH12]. **Radix-4** [LQW+17]. **Radix-8** [ARM15, JHQL16]. **RAHMM** [JYL+17]. **RAID** [FSL+17, IS11, KLC+16, LLL16, ROGHNB+18, WJF+11, ZZS10, ZZL14, ZLWZ15]. **RAID-5** [ZZS10, ZZL14]. **RAID-6** [FSL+17, ZLWZ15]. **RAID-Structured** [WJF+11]. **Rail** [GSF+10, NI11]. **Railway** [HDYS16]. **RAM** [AYC16, CKD+17, FKMK16, JW16, KA19, LHL+15a, PP11, WW16, YLGD19]. **RAMS** [LK16b, AAR19]. **Random** [BCK+16, CB15, EF12, Jes15, LLD+16, LC16b, SST12, SMK+16, SN16, TM18, YCW11, ZOD13]. **Randomization** [DSY+15]. **Randomized** [CATB19, GDLL18, GIW18, LC16b, RL13, XCW+10]. **Range** [KN11a, SX12]. **Rank** [LPL+13, LK16b, LWH+16, SJC+17b, FZL+14]. **Rank-Aware** [LK16b, LWH+16]. **Rank-Level** [SJC+17b]. **Ranked** [ZLX+16]. **Ranking** [ABSK15]. **Raphson** [Dum14, Wal19]. **Rapid** [HGML11, JRP+14]. **Raptor** [MNK11]. **Rate** [CFMA19, GDY15, LOH17, LB15b, MBGS10, PP14, SV18, ZCC+14, dRV12]. **Rate-Distortion** [dRV12]. **Rate-Optimal** [MBGS10]. **Rate-Selective** [LOH17]. **Rateless** [YW12]. **Rating** [JWWZ16]. **Ratio** [LHPH15]. **Ray** [XHZC16]. **RB** [SQJ+15]. **RB-Explorer** [SQJ+15]. **RC** [HWX15, LXW+19]. **RC-MAC** [HWX15]. **RC-NVM** [LXW+19]. **RC4** [GCS+13]. **RD** [SV18]. **RDIS** [MMC15]. **RDP** [ZLWZ15]. **Re** [XJW+16]. **Re-Encryption** [XJW+16]. **Reachability** [HB11, XXBL17]. **Reachable** [Pom15a]. **Reactive** [LvH12, RBRL15].

Read [BEHL+19, CLW+19, GC16, KCL19, LKK+19, LSG+18, LCY+16, HCY18]. **Read-Modify-Write** [LKK+19]. **Reads** [FSL+17, RLSK18, ZLLX15]. **Real** [AF14, ADP+15, ABEP16, AEP18, AE11, AC11, BBD+12, BBP+13, Bin15, BBB16, BPC12, BGRH15, CWF14, CBB19, CW10, Cha14, CYCC11, CGL+18, CQ14, CLR13, DZD+16, DA12, EE17, FM16, GCAG16, HWZ+12, HV12, HCH15, HV16, HHLK12, HXL11, HV14b, HGW+17, IBH+13, KS10a, KSS12, KM11, KGP15, KMC17, KLLK11, KCE+18, KAQC14, KDEV19, KT12, LYH11, LHC+14, LKLK13, LSSE15, LXDV17, LC16a, LLW+11, LGS+18, MUMB11, MBSSA19, MFG14, MKM14, MW13, NRG15, NZLK14, OPZ15, PTD+12, PC10, PMH+14, RHC+14, RF14, SYD18, TB15, TH11, TFCY16, TCHL18, THGT13, TKT16, WXS12, WBZ+15, WLY+14, WA10, WLZ10, XWLX17, YPB+16, YYW+16, YHV13, YTM16, YAGB17, ZLBB19, ZD13, ZLJ+17, ZCW18, ZZ19, ZYY18, ZHM+19, ZQQ11, ZCYX15]. **Real-Numbers** [HV16]. **Real-Power** [SYD18]. **Real-Time** [ABEP16, AEP18, AE11, BBD+12, BBP+13, Bin15, BBB16, BPC12, BGRH15, CWF14, CBB19, CW10, Cha14, CYCC11, CGL+18, CQ14, CLR13, DZD+16, DA12, EE17, FM16, GCAG16, HWZ+12, HV12, HCH15, HHLK12, HXL11, HV14b, HGW+17, IBH+13, KS10a, KSS12, KM11, KGP15, KMC17, KLLK11, KCE+18, KAQC14, KDEV19, KT12, LYH11, LHC+14, LKLK13, LSSE15, LXDV17, LC16a, LLW+11, LGS+18, MUMB11, MBSSA19, MFG14, MKM14, MW13, NRG15, NZLK14, OPZ15, PTD+12, PC10, PMH+14, RHC+14, RF14, TB15, TH11, TFCY16, TCHL18, THGT13, TKT16, WXS12, WBZ+15, WLY+14, WA10, WLZ10, XWLX17, YPB+16, YYW+16, YHV13, YTM16, YAGB17, ZLBB19, ZD13, ZZ19, ZYY18, ZHM+19, ZQQ11, ZCYX15]. **Real-World** [ZLJ+17, ZCW18]. **Real/Complex** [AC11]. **Realignment** [VCG+12]. **Realizable** [LT15]. **Realization** [LK10, XMH13]. **Realizing** [WKB16, ZLW+17]. **Reallocation** [Tse12]. **Rearranging** [SJS10]. **Reasoning** [DSB13]. **Reasons** [Ano10b]. **Receiver** [HWX15]. **Receiver-Centric** [HWX15]. **Receiving** [Ano13f, ST12]. **Rechargeable** [WLYY16]. **Recoding** [RS10, ZDP+15]. **Recognition** [AWFV13, LKLT12, QWB+13, TBC+17, YAG19]. **Recombination** [CHN14, HMNN12, PCHS17]. **Recompilation** [GDJZ18]. **Reconfigurable** [AD16, BQP+16, BBI+13, CZP+18, CCLH10, DPO17, DKK16, EKA17, GKB+10, GP14, GLP15, GFAM11, HNB+12, IBH+13, KMLH11, KGC14, LDB+17, LYJ+18, MLCH10, NVB16, PPP13, RWC18, RSU17, SOM+13, SPH13, TLB+17, TBC+17, UVL+13, WTBT13, WZCG16, ZMR+13, ZBK+17, ZYY18]. **Reconfiguration** [MKLW14, PB16, YZHX12]. **Reconfiguring** [JWH+15, ZNL18]. **Reconstructing** [GDC+16]. **Reconstruction** [HQLX15, LS10b, MG16, MH19, SST12]. **Recording** [WFY+17]. **Recoverability** [YCK16]. **Recoverable** [DDNP11]. **Recovery** [ASTU10, AD16, DKK16, GSG+15, HGML11, JSC+17, KWC+16, LLL15, LSA+17, LLD19, TLB+17, XHZ14, XLX+14, YXZZ14, ZXX+14]. **ReCREW** [DKH+13]. **Rectilinear** [WTY+14]. **Recurrent** [XWL+16b]. **Recursive** [KP13, LMZQ17, MHHS17, Red14]. **Recursively** [LS10c]. **Redeeming** [YSLL16]. **Redio** [WZW+19]. **Redirection** [HQLX15]. **Redistribution** [ZZS10]. **ReDO** [SVD18]. **Reduce** [COLK18, DZ10, GPRS17, KGGJ14, KS10b, LXK12, LZW+15, OHCK17, OCK17, QPG10, WBGI19, WZK+19]. **Reduced** [CCRL19, HLC+19, LK15a, Li12b, Pom12a, PSL17, WS10]. **Reducing**

[BS16, CTD+16, CLZ19, KLK17, KCL19, LAAM11, LKH16, LCLC19, RS13, SPC+18, WFT+19, WZ14, WZW+19, YCW11, Yan14, YLP15, ZLWZ15, ZMW15]. **Reduction** [AKKH12, CCC15, CCC+18, CFMA19, GBA18a, JJK+11, JT15, KVV10, LK15b, NL19, OKC13, SMK+16, TLL12, WS10, XJFT16]. **Redundancy** [CAbZM18, CCRL19, FHL+18, GY15a, GY15b, HBR11, KwPK+15, KS12, LW17, SSW12, VCSG+19, ZHQX19]. **Redundant** [AO12b, Bra10, CCK+16b, CvdBC18, CLC+16, EJ15, GJ15, HK13a, HVZ13, JPG10, LCY+19, TAM+16, VVMAZ12, VAB14]. **Redundant-Digit** [JPG10]. **Reed** [PROM15, RMB+12, TW10]. **Reference** [ZZ17]. **Refine** [LVMS18]. **Refinement** [HSH+10, Sri10, ZYY10]. **Refresh** [BCM14, BCC+16, CLW+19, DSG+19, GC16, JSC+17, LHL+15a, SSJ+18, SCJ+16b, SPC+18, WBGI19]. **Refresh-Aware** [JSC+17]. **Refreshing** [FHW18]. **Refurbishment** [AD13]. **Regenerating** [LLL15]. **Regenerating-Coding-Based** [LLL15]. **Regime** [SMB+15]. **Region** [CCK10, HWSX17, HCSW15, MSC12, ZD13]. **Region-Based** [CCK10]. **Region-Level** [HWSX17]. **Regional** [CHC+15]. **Regions** [DNSS11]. **Register** [CCV+11, JLKR19, MWZ+17, NCD+17, QPG10, RURM18, RRK11, VCSG+19, XLL+18]. **Registers** [QPG10]. **Regression** [DP13, LDP10]. **Regular** [ARM15, CMB13, Cha10a, LKT13, LXZH16, OWP16, YP12]. **Regularity** [LYL+19]. **Regulated** [YYW+16]. **Regulation** [LSG+18]. **Reinforcement** [FCB+19, WP16, ZM17]. **Reinforcing** [YCK16]. **Rejuvenation** [BDL+13]. **Rejuvenations** [HGW+17]. **Related** [Cil11]. **Relating** [ZGW14]. **Relational** [XTW15]. **Relations** [BCTV15, BCTV19, PR10]. **Relationship** [HL10b, SCJ+16b]. **Relationships** [MB12b]. **Relaunching** [GCF+16]. **Relaxation** [CCK+16a, LZZ17a]. **Relaxed** [LYL+19]. **Relay** [CWY13, LY11, LB15a, MMH14, ZY12]. **Releasing** [CLW+19]. **Reliability** [BMS11, BM13b, Cao12, CK11, CHH+13, CCK+16b, CJA+16, CvdBC18, FHL+18, HCL+14, HCY18, HTA10, HL10b, ISC15, Ibr16, KLC+16, LXJD15, LCH+15, LLL16, LYY16, LHL13b, MHK15, MMAC19, NEE18, PCZB11, SMCN18, SKEB16, SDP+12, VSC+19, WWM16, XH16, YyHL11, YWXZ12, YL14, YMTV14, ZYL15, ZWYY15, ZWC13]. **Reliability-Aware** [BMS11, HMR+17, ZYL15]. **Reliability-Driven** [BM13b, PCZB11]. **Reliable** [ACW+11, AFH+10, AS14, ARS16, BBI+13, BS10, CHL17, CAGM14, DKH+13, HLY14, IBH+13, KDEV19, LXL+14, LKLT12, VBR+13, WKB16, XL16, YTD+17, ZL15]. **Relinquishment** [ST17]. **Relocatable** [DLC+13]. **Relocation** [KK10]. **Remainder** [Fan16, PB11]. **Remapping** [JDA+16, KCKL19]. **Remote** [HPR16, JGG+14, KCRG15, SRCbL+15]. **Removal** [LHCL13]. **Removing** [RXC+15, WLQS13]. **Renaming** [JLKR19]. **Renewable** [CFW14, RLX15]. **Reordered** [NWA12]. **Reordering** [KKH+14]. **Reorganization** [LBWH11]. **Reorganizing** [AGFM11]. **Repair** [LLW+17, PN16]. **Repairing** [RSU17, TW10]. **Repeatable** [DN11]. **Repetitive** [TLP17]. **Replacement** [CXLL16, CFMA19, KS14, LBN14, OGH+14]. **Replacing** [YMG15]. **Replay** [RTL+18, ZCZL16]. **Replica** [AT16, LYY16, LRY+15]. **Replicas** [LK18]. **Replication** [AD14, BR13, CS15, GV15, HS18, LYY16, LLX+17, SWZG11, SL13, SLC15a, Tse12]. **Reporting** [LZYL13]. **Repositioning** [FKMK16]. **Represent** [LCA10]. **Representation** [AO12b, BNP10, BFMT16,

Bra10, HN11, LFH+16, LWK11]. **Representations** [DJA11, KMP11, MRD19]. **Representative** [ZCZL16]. **Reproducibility** [RT14]. **Reproducible** [BGHL19, DN15]. **Reprogramming** [DLC+13, LLZ+17]. **RepuCoin** [YKDEV19]. **Reputation** [CWZ11, LSS13, RDEN10, YKDEV19]. **Request** [LR10]. **Requester** [CWCS15]. **Requester-Based** [CWCS15]. **Requests** [LZZV16, LZW+15]. **Required** [KS10b]. **Requirement** [HV13, LYS14]. **Requirement-Aware** [HV13]. **Requirements** [HHKW12, MAHD18, SAR+11, SZW+16]. **Resemblance** [XJFT16]. **Reservation** [ZGWC15]. **Residue** [TC16]. **Resilience** [CCAM14, CATB19, HV13, HLWV17, MG11a, PCZB11, SMAR+19, VSC+19, ZBK+17]. **Resilient** [DKLB15, DZLP14, HK16, KDEV19, SKEB16, SVD18, YEY+16]. **Resistance** [STE17]. **Resistant** [GV14]. **Resistive** [MMC15]. **Resistivity** [MM17]. **Resolution** [PMH+14, ZZ17]. **Resource** [BSM+14, BGRH15, CZP+16, CRJZ16, CZL+17, COLK18, DCK16, Fin10, FB13, GO10, HMR+17, HGW+17, HLA+17, KGP15, KPS+17, KFB+15, KL16, LC16a, LZA+16, LGF+15, MNGV16, NRG15, PB16, PAP13, PR14, SLL15, SPTC15, SXCL14, WHYS16, YHC19, YLH10]. **Resource-Efficient** [DCK16]. **Resource-Oriented** [YHC19]. **Resource-Saving** [KL16]. **Resources** [ALZ16, BBB16, CFW14, CP10, FJA+17, PLP+13, RF14, SH12, WL13, YHC19]. **Respect** [CATB19]. **Response** [BDB18, MBD+17, NRG15, WZ14, YLH10, ZHW+16]. **Response-Time** [BDB18]. **Responses** [KN11b]. **Responsive** [BGM+13]. **Responsiveness** [YCW+19]. **Restart** [LL11, ZYL15]. **Restoration** [HRK17, YXZZ14]. **Restore** [CKD+17]. **Restoring** [CHLL16, LHL13a, SCJ+16a, YLA10]. **Restricted** [OWP16]. **Restriction** [AK19]. **Result** [LK15a]. **Retention** [DSG+19, SSJ+18, WBGI19, JYL+17]. **Retention-Aware** [JYL+17]. **Retentive** [RRK11]. **Rethinking** [LLD+16, ZZL14]. **Retrieval** [BCMJ10, CWTT13, LWF13]. **Retrieval-Guaranteed** [CWTT13]. **Reusability** [MWY+16]. **Reusability-Aware** [MWY+16]. **Reuse** [JC11, KSN+15, OGPK14]. **Reused** [COLK18]. **Reversible** [DSR15, GM12]. **Reviewers** [Ano10a, Ano11b, Ano12b, Ano13b, Ano14b, Ano15b, Ano17b, Ano18b, Ano19b, Ano16b]. **Reviewing** [Kor15]. **Revisited** [CKM15, CB15, MBGS10, SKC+14]. **Revisiting** [MMTM15]. **ReviveNet** [YyHL11]. **Revocable** [SZDL14]. **Revocation** [JCM16, LLC+15]. **Reward** [MFG16]. **Reward-Based** [MFG16]. **Rewarding** [SPTC15]. **Rewrite** [WZ14]. **RFID** [LLM+15, LXZ+15, MWWT13, QZL+16, SKZS13, SSKL16, SDZ15, YXWL16, ZCC+14]. **RFID-Enabled** [QZL+16]. **Right** [VIDH19]. **Ring** [BPC12, HGML11, KKY+16]. **RLWE** [GDLL18]. **RLWE-Based** [GDLL18]. **RNS** [BT16, CATB19, GLP+12, GL19, Hia17, Sou15, YFCV14]. **Road** [JGHD11]. **ROBDD** [LCA10]. **Robin** [FJA+17]. **Robot** [LBS15]. **Robotic** [SAR+11]. **Robots** [LBS15]. **Robust** [BDDL18, BDBB18, DDNP11, LMB13, MVB10, MC11, NI11, ORM10, SB16, WZLX12, ZWX12]. **Role** [XKT+15]. **Role-Based** [XKT+15]. **ROM** [AAR19]. **ROM-Embedded** [AAR19]. **ROMs** [LLHC15]. **Roofline** [IPS17]. **Root** [ARH14, AH10, FBE+18, JLLH19, KCK16, LP13b, LN12, Rus13, VB13, WE12]. **Rooted** [SG13]. **Roots** [JKMR11]. **ROSE** [CC11]. **Rotated** [YHT+16]. **Rotation** [MM17]. **Rotations** [RS10]. **Round**

[FJA+17, HV16, KMP11, MEBS17]. **Round-Off** [MEBS17]. **Round-Robin** [FJA+17]. **Round-to-Nearest** [HV16, KMP11]. **Rounded** [BHR17, DRC14, KLLM12, Lef17]. **Rounding** [CHCK12, JPG10, KS10b, PB11, TGNSC11, VMHGN18]. **Roundoff** [MRD19]. **Route** [YLY+15a]. **Routed** [KH14]. **Router** [BM13a, HHY11, HH17, KAH18a, LS10c, MKAY11, OMFH14, PSND16, YLGD19]. **Router-Tables** [HHY11, HH17]. **Routers** [JRC14, YMK+17]. **Routing** [AVS+16, BKV12, CFR+14, CHC+15, CCE+18, CBVL16, DVUS14, DSPB13, EDL+14, EG11, FMTK19, FG10, FS10, GDC+16, HCSW15, HKWC14, KCS+13, KCS14, LR13, LS13, LSHC15, LYCT10, LWY15, LZS+13, MJW+14, MFT+17, MWY+16, MMB14, RL13, RO11, RKZ16, SKEB16, SKEB18, SZS14, SKA10, TLP17, TLP18, TH11, VBR+13, WWM16, WS15, WW14, WLS18, XWH14, ZGB+15, ZHM14, ZGY14, ZBW17]. **Row** [HGCT13, LXW+19, SCJ+16b, SCJ+16a]. **Row-Access** [SCJ+16b]. **Row-Activation** [SCJ+16a]. **Rowhammer** [KCKL19]. **RPR** [CCRL19]. **RRAM** [CSW+15, LW17]. **RRNS** [TC16]. **RRR** [HGML11]. **RSA** [MLW12]. **RSS** [LTL14]. **RT** [KLLK11, KDEV19]. **RT-ByzCast** [KDEV19]. **RT-PLRU** [KLLK11]. **RTL** [ABSK15, BFP11]. **Ruining** [KKH+14]. **Rule** [HGL+15, LDP10, LP13b, MMP13, RCRK13, SWZG15, YCZ10]. **Rules** [DZLP14, LJG+19, SBH11]. **Ruling** [LKLT12]. **Run** [DKK16, DJN17, LBSK17]. **Run-Time** [DKK16]. **Running** [JSE14, VYEB18]. **Runtime** [BBI+13, DGC+15, KK10, KP15, OYP+18, RBK+12, SIB13, SPH13, WZM+16, WJY+17, ZBK+17].

S [MM17, MKRM11, ST18a]. **S-Box** [MKRM11]. **S-Boxes** [MM17, ST18a]. **S-Orchestrated** [SNM16]. **Safe** [FJA+17, PKC+17, SHGW15]. **Safety** [ARGT14, MTFK19, SAR+11, ST11a, YMT13]. **Safety-Critical** [ARGT14]. **SALSA** [XWL10]. **Same** [CS11a]. **Sample** [DSY+15]. **Sampled** [GCR+19, LVJ16]. **Samplers** [HKR+18]. **Samples** [CVH+13]. **Sampling** [AMR18, EF12, GPR+19, KRR+18, ZWW19, dAJM14]. **Sandboxed** [GD17]. **Sanitizer** [GBGI18]. **SAT** [JLMH10, SBP16]. **SAT-Based** [SBP16]. **Satellite** [LZS+13, SPH13]. **Satisfiability** [LCW+15, YHH+12]. **Saturated** [SMB+15]. **Save** [DHM16]. **Saving** [KL16, LK16b, LTL14, LHH14a, WLJ+16, XDZ11]. **Savings** [GBD+15]. **SCA** [PDJ+19]. **SCADFA** [PDJ+19]. **Scalability** [CCH11, ZZL14]. **Scalable** [ABSK15, AKL14, AD13, CLW+15, CW16, CWCS15, DAS14, FEM+18, GCD+11, GEN+17, JC12, JLMH10, KGV16, KAK18, LP12, LMJ14, LT15, LYS14, LCHX11, LLKA19, LJVJ18, MBS+12, PP11, RBRL15, RSN+18, SSGB19, SIVH16, SL10, ST18b, TC14, UVL+13, XP10, XYF+15, YMK+17, ZDP+15, ZLN11, Zot10]. **Scalar** [ARM15, DS14, GIW18, LJL13, MH15, NR15]. **Scale** [AISA16, BMT14, CQW+15, FFCB14, GDC+16, GV15, GY16, JKY10, LP13a, LS10a, LDB+17, LT15, LXK12, LQD+16, MYHL16, MCXZ18, SRR+16, WS15, WJM15, ZCZL16, ZWC+18]. **Scale-Out** [MYHL16]. **Scale-Up** [MYHL16]. **Scalers** [Hia17, Sou15]. **Scaling** [CLX14, DA12, FCB+19, GRL+14, JSH+17, JCK15, LKYC12, LHH14a, LHTG15, MHK15, NY15, NYHB16, NY19, OKC13, PdG13, WJL+12, YTM16, ZZS10, ZLWZ15]. **Scan** [CZP+18, CCC15, KCY18, Pom12d]. **Scan-Based** [Pom12d]. **Scanning** [LLL11, PWW+11]. **Scenario** [XLW14]. **Scenarios** [MTFK19]. **Schedulability** [BBB16, HGW+17, LHC+14, LSSE15, Lee17,

MBB+17, PP14, RHC+14, WLZ10, YYW+16]. **Scheduled** [BGRH15]. **Scheduler** [CZ14, FSPD17, KMJ+11, TB15]. **Schedules** [AO12a, LSXP14]. **Scheduling** [ACGP13, BBD+12, BMP+10, BDB18, BTW13, BPC12, CFL+18, CAbZM18, CBB19, CNJ14, CZP+16, CGL+18, CZL+17, CQ14, CLR13, DCM16, FSPD16, Fuj11, GKD+17, GGSPM18, GHK15, GCAG16, GY13, GLTC16, HRM+16, HZL+16, HKWC14, HXL11, HV13, HV14b, HZX+14, HLWV17, IGLM15, IHR+16, JJK+11, JR17, KTAvdS16, KH18, KCE+18, LRC10, LHC+14, LK16b, Lee17, LRP+18, Li12b, LTVL15, LC16a, LDL+17, LP13b, LGS+18, LMB13, LWF13, MFG16, MBD+17, MAHD18, MBGS10, NEE18, OKY+19, PM14, RHC+14, RWC18, RF14, RLX15, RC14, SZG+18, SL14b, TLZV11, TYY+16, TCK+18, TCHL18, VC10, WXS12, WBZ+15, WZK+19, XCF16, XCW+10, Yan14, YLGD19, YPB+16, YHV13, YTM16, ZGG+16, ZWLS15, ZR15b, ZWC+18, ZQZ+19, ZZ19, ZWL+19, ZQQ11, ZCYX15, ZLYS15, ZMRQ11]. **Scheme** [ARM15, AKJ+13, BS14, BS16, CMLS15, CCW+10, CSW+15, CLM+19, CWTT13, COLK18, CWCS15, GYC+16, GTRMG18, GWM+17, HS18, HCL15, HK15b, HHCH11, HLJ14, HQLX15, JPG10, KLLK11, KL16, LTL14, LCL15, LKLT12, LWY15, LLW+17, MLOL15, MRL+18, RVH+16, RSN+18, SSKL16, SRCbL+15, SWF+19, SZS14, UMN18, WLY+14, WNKL16, XJFT16, XJWW13, YLY+15a, YTD+17, ZPM+15, ZFHC19, ZHQX19, CTS13]. **Schemes** [CMLRHS13, CJA+16, CKD+17, CHL17, EFGT18, HSM14, MLCH10, MBF18, MKRM10, XTF+12, YMTV14]. **Science** [MOS14, ST11a]. **Scientific** [KN11a, SDMM12, YLY15b]. **SCM** [JYL+17]. **SCPS** [SLC+15b]. **Scrambling** [LLHC15]. **Scratchpad** [EKJ+10, LGMP10, MB12a, VAN+18, vdBGLGL+16]. **SD3** [KLKL13]. **SDR** [DMA+15]. **SDRAM** [EE17, GCAG16]. **Seamless** [SMN+17]. **Search** [CLS10, CYJ+10, CSW+15, FEM+18, HH17, HWG+14, JSC10, LCL15, LWL+16, LCW+15, LMT13, SLC+15b, XJWW13, ZLX+16]. **Searchable** [CLW16b]. **Searching** [CTL+17, LXZ+15, PWW+11]. **Second** [DP13, VSLD15, YCW11, YLP15]. **Second-Level** [VSLD15]. **Second-Order** [DP13, YCW11, YLP15]. **Secret** [HL10a, LCCJ13, LLKA19, WKB16]. **Section** [Ano10c, Ano11e, AHI12, AISA16, BKPMC13, BMM11, BS10, BKP16, BCS11, BdD19, CHTD19, DPO17, EM12, GM11, MG11a, MOS14, NST14, SLPB18, ST11a, XL16, ZMS13, Avr13]. **Secure** [AP14, CSS13, CXYC16, CYHL14, GV14, HSM14, JAS+15, KW14, KYZC19, KH10, LCH+15, LLXC16, LRY+15, MW10, NBZP17, NDG+17, PSM17, QZL+16, SSKL16, SLPB18, SZDL14, TLH+16, WCW+13, WZBB15, WKB16, WRW16, XJWW13]. **Securing** [CMLS15, OGPK14, SWF+19]. **Security** [ASBdS16, Ano10g, BQP+16, BBA19, CTL+17, DY14, GSF+10, HMZ+14, HLT+15, JSA17, LKH16, LCwW10, LLS+16, NDG+17, SMCN18, TLZV11, WCL+18, ZL18]. **Security-Driven** [TLZV11]. **SEDUM** [LS13]. **SEED** [GLXY13]. **Segment** [CLS10, DDNT19]. **Segmented** [KCL19, TYY+16]. **Select** [KT19]. **Selecting** [ZL15]. **Selection** [AT16, AHNT16, CHCK12, CCP+13, DZLP14, EFPC16, KwPK+15, KAH19, LWW11, RBR13, RXC+15, Rus13, SEY14, THM+14, TCYH15, YFJ+14, YFCV14]. **Selections** [DCCK18]. **Selective** [ADC11, JSA17, KRP18, LOH17, MTGM12, OYP+18, QQW+17, SNM16]. **Selective-Testing** [SNM16]. **Self** [ADC11, BCSR14, BCD+16, CCV+11, CWL+17, CRJZ16, DYHX16, DPS11,

DKK16, FFCB14, GVPS19, GEvS10, HZ11, HMC11, LLW+17, PRGBSAC19, RO11, RSU17, SOM+13, SRCK10, TW10, YyHL11, YZ15, ZNL18, ZZ17]. **Self-Adaptive** [DYHX16, FFCB14, YyHL11, YZ15]. **Self-Aware** [GVPS19]. **Self-Checking** [HMC11]. **Self-Diagnosis** [TW10]. **Self-Healing** [CWL+17]. **Self-Invalidations** [ADC11]. **Self-Loading** [SRCK10]. **Self-Organized** [DKK16]. **Self-Organizing** [GEvS10]. **Self-Reconfigurable** [SOM+13]. **Self-Reconfiguring** [ZNL18]. **Self-Reference** [ZZ17]. **Self-Repair** [LLW+17]. **Self-Repairing** [RSU17, TW10]. **Self-Routing** [RO11]. **Self-Sustainable** [CRJZ16]. **Self-Synchronized** [PRGBSAC19]. **Self-Synchronizing** [HZ11]. **Self-Test** [BCSR14, BCD+16, CCV+11, DPS11]. **Semantic** [CJ12, CH14, HLJ14]. **Semantic-Aware** [HLJ14]. **Semi** [WF12, ZQZ+19, KMC17]. **Semi-Clairvoyant** [ZQZ+19]. **Semi-PArtitioned** [KMC17]. **Semi-Systolic** [WF12]. **Sense** [Zhe10]. **SENSIBle** [GEN+17]. **Sensing** [FLJ14, JGG+14, KCW+17, LCHC14, LZZV16, WAK+17]. **Sensitive** [DY12, HXVF12, KS14, QZC15, QGPZ13, YCCJ15]. **Sensitivity** [EGVFC+12]. **Sensitization** [SBP16]. **SenSmart** [CGL+13]. **Sensor** [AO11, AO12a, AEKT15, ASTU10, AD10, AD12, Amm14, BWCW15, BWV15, CJG16, CLR13, CSJ+11, CGL+13, CCD12, CBTU14, CBVL16, DY12, DCL+11, DLL+12, FS10, GDC+16, GHG+14, GLTC16, HXVQ15, HKWC14, HWX15, JGHD11, KKT15, KLT16, KH10, LRC10, LR13, LY11, LWW11, LLZ+17, LSX13, LCHC14, LKLT12, LCT11, LZYL13, LJY+15, MM16, MB12b, MMH14, MMB14, PP10, RGK15, RCN11, RLX15, RS13, RNS13, SBH11, SPC+16, SCK10, VBR+13, WJL+14, WLYY16, WS15, XCW+10, YKK+15, YASS14, ZLG+15, ZMY11, ZY12, ZWD+16, ZLYS15, dAJM14, GEN+17]. **Sensor/Actor** [ASTU10]. **Sensors** [WCLY16, YLA10]. **SenSpire** [DCL+11]. **Separable** [SKM+13]. **Sequence** [BCMJ10, LBS15, MGW14, SKPK10, YMAG17, YLH13]. **Sequences** [Jes15, MG16, Pom15c, Pom15b, SN16]. **Sequential** [LHL13a, MVB10, Pip11]. **SER** [HCY18]. **Serial** [ARM16, CLL+14, FBE+18, RM15b]. **Serial-Out** [ARM16]. **Series** [DGC+15, ZLY15, Ano10g]. **Serpent** [PC16]. **Server** [BSM+14, CLS14, DSY+15, GY15a, GY15b, LZ15, MBM11, PBL16, THM+14, XLF15, ZT15]. **Servers** [ABEP16, GCL+13, HWS+17, JJK+11, LW15, SYK14]. **Service** [AK15, CCC+17, DKW15, DHC+16, EFPC16, LHH14a, LHY13, MLOL15, ML13, NZLK14, PAC+12, RSNK17, SKPC15, TJH+15, WYL+15, YZHX12, YCLH16, ZCL+16, ZWC+18, ZL15]. **Service-Level** [CCC+17]. **Service-Oriented** [ZL15]. **Services** [CCM14, CLX14, LLCH13, LZW+15, SLL15, YXZZ14]. **Set** [CYJ+10, DAS14, DPS11, EJ15, Hia17, HGW+17, LCA10, LSA+17, LPCW14, NM10, RS17, SMG14, SJS10, YCZ10]. **Set-Associative** [DPS11]. **Set-Up** [SMG14]. **Sets** [CL12, EF12, GL19, Hia16, HT16, MIS+14, NI11, Pom16b, Sou15, Ano11g, Ano11h]. **SEU** [WNKL16]. **SEU/MBU** [WNKL16]. **Shadow** [TZL+14]. **Shamir** [WKB16]. **Shared** [BZ15, BBB16, CFL+18, DMK+15, JCM16, KIJ14, PPND17, VMB19, YHC19, ZJS14, ZL16, ZLSI17]. **Shared-Memory** [DMK+15]. **Sharer** [ST17]. **Sharing** [AKKH12, BGRH15, CS15, CLW16b, HL10a, HLT+15, KSEG15, LCCJ13, LSW15, LLKA19, NH10, PSM17, Pom14, SLLG15, SLC15a, SPTC15, SHH+16, WKB16, YY10, YY14]. **Shave** [ZMW15]. **Shell** [XHZC16].

Sherlock [ADJG19]. **Shield** [NDG+17, KGV16]. **Shift** [MFT+17]. **Shifted** [HF15]. **Shifting** [MCM16]. **Shingled** [WFY+17]. **Shoot** [YXWL16]. **Short** [BEHL+19, FSL+17, LAAM11, WQZ+16, ZZJ+19]. **Short-Read** [BEHL+19]. **Shortest** [Fen14, FK15, SKA10]. **ShortPath** [PSND16]. **Shuffling** [YWQX15]. **Shuttle** [cCWS14]. **SIC** [VK15]. **Sick** [YSLL16]. **Side** [Bar16, BMZ17, BK12, CSS13, CATB19, DP13, KASZ13, LJL13, MAG+17, NDC+13, RBG+19, STE17, ZMB18]. **Side-Channel** [Bar16, BK12, CSS13, CATB19, KASZ13, LJL13, NDC+13, ZMB18]. **Sided** [TYY+16]. **Sidewalk** [PPB+14]. **Sieve** [GKB+10]. **SIFT** [OPAGS14]. **Sig** [QGPZ13]. **Sign** [Hia16]. **Signal** [BBB+17, CK15, GDLL18, LVJ16, MTGM12, Pom13b]. **Signal-Transition** [Pom13b]. **Signals** [LVJ16]. **Signature** [EFGT18, KSN+15, TXL11]. **Signature-Based** [KSN+15]. **Signatures** [AS16, GLP15, OWP16, QGPZ13, YCK10]. **Signed** [Kor15, SJS+14, TAM+16]. **Signed-Digit** [Kor15, SJS+14, TAM+16]. **Silent** [LS10b]. **Silicon** [BKH+13, COLK18, DN11, EKA17, HMR+17, NZ14, NL14, OHCK17, OCK17, PKC+17, WTZ+19, YSLL16, khR+18, KN12]. **Silver** [Ano10g]. **SIMD** [HMS+12, NVB16, YMG15]. **SIMD/MIMD** [NVB16]. **Similarity** [ADJG19, HLF14, PR10, XJFH15]. **Similarity-Aware** [HLF14]. **SIMON** [LYK19, STE17]. **Simple** [Fen14, LVMS18, SD18, TLH+16]. **Simulation** [ADP+15, ASS+18, BPT10, FHL+18, GM15, GCR+19, GABK11, JCY+13, LR16, LZZ16, MNFA14, MHRARG+14, NZ15, Tho15, WLV+14, WZLS16, YEG+15, ZGR13]. **Simulation-Based** [GABK11]. **Simulations** [KN13]. **Simulator** [KAH18a]. **Simultaneous** [GSL10, KCRG15, LR18, YG10]. **Single** [ARM13, BPT10, ERRM16, GGSPM18, KP15, KMM16, LP17, LCA10, MFG14, MBGS10, NL16b, NL18, PROM15, SBB18, SMRML17, SBI12, TKL+14, WNKL16, XLX+14, ZGR13, ZXX+14]. **Single-Chip** [BPT10]. **Single-ISA** [GGSPM18]. **Single-Pass** [ZGR13]. **Single-Qubit** [KMM16]. **Single-Rate** [MBGS10]. **Single-Sink** [SBI12]. **Sink** [Amm14, CJG16, LSX13, SBI12]. **Sink-Free** [CJG16]. **Sink-Hole** [Amm14]. **SinkTrail** [LZYL13]. **SiPs** [TMS+14]. **SISO** [NCD+17]. **Situ** [NY15]. **Six** [AFC10]. **Size** [BLN+15, CS11a, CJ13, DAS14, DCM16, FLS16, Kim15, KLC+16, LCLL15, LFJ+13]. **Size-Aware** [BLN+15]. **Size-Based** [DCM16, LFJ+13]. **Sized** [CLM+19]. **Sizes** [DALD18]. **Sizing** [MBGS10, VTW16]. **Skeleton** [LJY+15]. **Skew** [LZA+16, NLRB17]. **Skewed** [Pom12c]. **Skewed-Load** [Pom12c]. **SLA** [KGP15]. **SLC** [CCC+17]. **Sleep** [AO12a, CFL+18, HKWC14, ZLYS15]. **Sleep-Aware** [CFL+18]. **Sleep-Wake** [HKWC14]. **Slice** [SLS+12, Zot10]. **Slicing** [ABSK15]. **Sliding** [JRS+15, LPL10]. **sLiSCP** [ARH+18]. **Slot** [MWLJ15, RLX15]. **Small** [AO12b, BDE+11, CFR+14, CJ13, IS14, Kim15, KCK16, LK15b, LCLL15, NR15, UdDG+17, VTA16, WGZ+15]. **Small-Characteristic** [BDE+11]. **Small-Value** [IS14]. **Smart** [DYCG16, EFPC16, GY16, HK17, HDYS16, LVF19, SWZG15, WZY16, XLC14, LDMQ16, WHBR16]. **Smartphones** [LTL14, OPZ15]. **SMR** [WFY+17, YCW+19]. **SMT** [FSPD16, FSPD17, MBC+13, OPAGS14]. **Snakes** [PC16]. **Snapshots** [YCL+12]. **SNM** [GBA18a]. **Snoop** [AKKH12].

Snooping [AKKH12]. **SNOW** [PC16]. **SoC** [BBA19, CFR+14, LYH11, VTA16, WZBB15]. **Social** [JWL+16, LCL15, LSS13, LS13, LSW15, PLZW14, SL14a, SLLG15, SLC+15b, TZL+14, WHC+15b, WW14, XWH14, ZZX+15]. **Social-Aware** [SLC+15b]. **Society** [Ano10d, Ano10e, Ano10b]. **Socket** [CG18, LHH17]. **SOCs** [IGLM15, RC14]. **Soft** [AF14, AS12, DZLP14, EGVFC+12, HBR11, KS12, NEE18, RURM18, RTRM19, RCN11, RBMO11, SB16, SMAR+19, SVD18, UVG16, VSC+19, XH16, YAGB17, dOPSR16]. **Soft-Errors** [UVG16]. **Soft-Processors** [RURM18]. **Soft-Real-Time** [AF14]. **Softcore** [PPP13]. **Software** [AVG+15, ADC11, AH13, BDL+13, CSS13, DPS11, FHLOJRH18, GBO+16, HPR16, HWG+14, HL10b, HGL+15, JSC10, KKP+16, KASZ13, LK10, LH16, LSHC15, MRL+18, MMAC19, MF14, RCK+16, SNM16, TS11, WGW+15, WLJ+16, WHYS16, WFT+19, XHZ14, YLGE14, ZPM+15, ZLG+15, ZGG+16]. **Software-Based** [ADC11, DPS11, SNM16, YLGE14]. **Software-Defined** [ZLG+15, ZGG+16]. **Software-Driven** [TS11]. **Software-Transparent** [WFT+19]. **Solid** [Cha10b, CLZ19, DSW+14, JR17, Jun16, KLK18, KBH+10, KSJ+12, LRP16, MLE14, PDXZ13, SNY+10, TAH+16]. **Solid-State** [Cha10b, CLZ19, DSW+14, KBH+10, PDXZ13, SNY+10, TAH+16]. **Solomon** [PROM15, TW10]. **Solution** [CCE+18, CXLX15, GSH+14, NZ15, RBRL15, SKPC15]. **Solutions** [CCO+14, PLM16]. **Solve** [MTFK19]. **Solvers** [DALD18]. **Solving** [DALD18, Fuj11, GO10]. **Some** [JLMP11]. **Somewhat** [MBF18, RJV+18]. **Sophisticated** [BPBBL13]. **Sorting** [FFISC13, LNCX18, LCL17, LBSK17]. **SOSEMANUK** [PC16]. **Sound** [AGCD16]. **Source** [ADJG19, CJ12]. **Source-Code** [CJ12]. **SPAC** [Pan16]. **Space** [BNP10, BKL+13, BCMJ10, BBH12, CHN14, CCY+16, CYC+16, DYW15, DJO11, Fen14, HN11, HMNN12, HK17, JAD+18, KH18, LWF+17, Nan16, PCHS17, PCHS18, SN16, XDZ11, ZMY11, KMC17]. **Space-Division** [ZMY11]. **Space-Efficient** [BBH12, LWF+17]. **Space-Time** [DYW15]. **Spaces** [LTW+12]. **SPaCS** [ZGR13]. **Spam** [SL14a, ZL11]. **Spanning** [FEP+12, SBI12, TYWC10, WTY+14]. **SparCE** [SJVR19]. **Spare** [AGFM11, SC11, AAR19]. **Spare-Enhanced** [SC11]. **Spark** [CZL+17]. **Sparse** [JSC+19, LPL+13, LJG+19, MRD19, NZ15, PP16, RO11]. **Sparse-Insertion** [JSC+19]. **Sparse-Iteration** [PP16]. **Sparsity** [LYL+19, SJVR19]. **Spatial** [DNSS11, KGGJ14, MWY+16, SSW12, XHZC16, ZCL+16]. **Spatio** [CSPC12, DYCG16]. **Spatio-Temporal** [CSPC12, DYCG16]. **Spatiotemporal** [Cro14]. **Special** [Ano10c, Ano11e, AHI12, AISA16, Avr13, BKPMC13, BMM11, BS10, BKP16, BCS11, BdD19, CHTD19, DPO17, EM12, GC14, GM11, HMO+17, LLK18, MG11a, MOS14, NST14, SLPB18, ST11a, VP14, XL16, ZMS13]. **Specially** [LS10a]. **Specific** [AK15, CKKS14, JRC14, LSA+17, MGW14, SP16]. **Specifications** [MIS+14]. **Specified** [YXWL16]. **SPECT** [KN13]. **Spectral** [YCW11, YLP15, ZMB18]. **Spectral-Null** [YCW11, YLP15]. **Spectrum** [BBVL14, NH10, XWL10, XLTZ11]. **Speculation** [KGGJ14]. **Speculative** [GLXY13, LR18, STR15, XLC14, YLGE14]. **Speculatively** [Bra10]. **Speech** [AWFV13, TBC+17, YAG19]. **Speed** [ARM16, Ano13f, CCH+15a, GJ15, GY13, GCF+16, HK13a, HZ11, NWA12, PBT13, TFCY16, ZL11]. **Speed-Up** [GCF+16]. **Speeding** [WGR+14]. **Speedup** [ZYL15].

Spike [ZM17]. **Spike-Timing-Dependent** [ZM17]. **Spiking** [AAR19]. **Spin** [CWCS15]. **SpiNNaker** [BFR+15, FLP+13]. **SpiNNaker-Programming** [BFR+15]. **Spintronic** [BDDL18, ZCZ+19]. **Split** [CNH13, DMA+15]. **Splitting** [HN13, PCHS16]. **SpMV** [YLML15]. **SPONGENT** [BKL+13]. **Sporadic** [MFG14]. **Spot** [JT15]. **Square** [ARH14, DRM16, FBE+18, GPN11, JKMR11, JLLH19, LP13b, LN12, NL15a, Rus13, WE12]. **Squashing** [YLGE14]. **Squeeze** [CSW+15]. **Squeeze-Search** [CSW+15]. **SqueezeFlow** [LJG+19]. **Squeezing** [FSGAB+16]. **SRAM** [AKL14, BMS11, CW16, EKA17, GBA18a, GTRMG18, KL13, RTRM19, SKH16, SBMP18, VPS+12, WWY+16]. **SRAM-Based** [AKL14, BMS11, EKA17, GBA18a, GTRMG18, KL13, RTRM19, SBMP18]. **SRAMs** [LCY+13]. **SRT** [Rus13]. **SSD** [CDQB15, CLCS19, HWS+17, HLY14, HCL15, IS11, KLC+16, KWC+16, KRP18, LBSK17, LLL16, WZ14]. **SSD-Based** [CLCS19]. **SSDs** [CLZ19, CCC+17, HJF+13, JSH+17, KSJ+12, LK16a, LCY+16, LSG+15, LSGZ16, SQJ+15, ZWW19]. **ST** [YCL+12]. **ST-CDP** [YCL+12]. **Stability** [AKKH12, BIP+17, Yam10]. **Stability-Optimized** [Yam10]. **Stabilizer** [GM15]. **Stabilizing** [KkC15a, SKA10]. **STABLE** [GBA18a]. **Stack** [CGL+13]. **Stacked** [KAH+15, MKLW14, SPC+18, XCF16, ZDYZ13, ZDYZ14]. **Stackless** [MS15]. **Stage** [KGP15, PLZW14, SVAB14, TS11, ZWL+19]. **Stage-Level** [KGP15]. **Staged** [KTAvdS16]. **StageNet** [GFAM11]. **StaleLearn** [LK18]. **Standard** [Red19, MKRM10]. **Standby** [LXJD15, LXDV17]. **Star** [CL12, ZLXW15, ZGWC15]. **Start** [LVMS18]. **State** [AWFV13, Cha10b, CLZ19, DSW+14, FHR14, Hie11, Hie13, HT16, JR17, Jun16, KLK18, KBH+10, KSJ+12, LRP16, LLQ+14, LLK18, Lom10, MTGM12, MLE14, MCXZ18, Mon15b, Mon16, MMC+16, Mon17, Mon18, Mon19, OPZ15, PDXZ13, PBV11, RRK11, SNY+10, SP10, TAH+16, Yun12, Zom11b, Zom11a, Zom12b, Zom12c, Zom13, Zom15a]. **State-Retentive** [RRK11]. **Stateless** [XWY10]. **States** [Pom15a, PRM19]. **Static** [ABSK15, CHK10, CTD+16, LWY15, LS10c, NM10, Pom12d, Pom15c, RBG14, TCK+18]. **Statically** [GLXY13]. **Statistical** [CGT+15, CTL+17, CRK10, HZ11, RCM+16, SIB13, SDP+12, SZL+16, ZL11]. **Statistics** [WLG+19]. **Status** [XWL+16b]. **Stay** [Ano11i]. **Stealing** [CG18]. **Steiner** [LHPH15, LSZ+15, SG12, SG13]. **STEM** [TCHL18]. **Stengle** [MRD19]. **Step** [RLRL19, LXZ+15]. **Stereo** [PTD+12, TKT16]. **STES** [CMLS15]. **Stochastic** [BPT10, CBZ14, Dar15, GO10, HXVQ15, HCL+14, LB15a, LLQ+14, LTVL15, LZZV16, LLW+18, NLRB17, QLR+11, YMT13, ZGB+15]. **Stojmenovic** [Zom15b]. **Stop** [HCC+18]. **Storage** [ASM+16, AT16, AISA16, BDP15, CK11, CHH+13, CHLT14, CQW+15, CXYC16, CYC11, CYL+14, CLW16b, EFPC16, FYSK14, FHL+18, GKD+17, GWM+17, HSM14, HCD+16, HQLX15, HLC+19, JJZ+16, JRP+14, LBSK17, LSK13, LK14, LS10a, LOX+13, LLL15, LSG+18, LRY+15, LLS+16, MJWT16, NL16b, PP11, PPKW12, ROGHNB+18, SWZG11, SZG+18, SYH17, SZW+16, SYK14, TRA18, TCYH15, WL13, WCW+13, WLK15, WHL17, WJF+11, WSXZ13, WJM15, XL16, XDZ11, XLX+14, YCKH16, YTD+17, YTD+18, YHT+16, ZWW+16, ZFJ+17, ZWC+18, ZMW15, ZXX+14, ZLLX15]. **Storage-Based** [LOX+13]. **Storages** [CCY+16]. **Store** [LK15a]. **Stored** [CMLS15, JPG10, UMN18]. **Stores** [ZHQX19]. **Storing** [YLY15b]. **Strategies** [BBI+13, CTL+17, CBTU14,

MW13, TLB+17, ZV14]. **Strategy** [CK11, CCL+18, JLC10, MMCS18, XLC14, YZ15, ZL15, ZGWC15]. **Strategy-Proof** [ZGWC15]. **Strategyproof** [XWL10, XLTZ11]. **Stream** [CMLS15, GZG+16, GCS+13, HZ11, KE19, LTP+14]. **StreamCiphers** [ERRMG15]. **Streaming** [CPL17, CLMM11, KTAvdS16, LOH17, LHH14a, LLLJ13, MLH12, PAC+12, RBRL15, SHGW15, WLQS13, YW12]. **Streams** [Ged14, LLQ+14]. **Stress** [GBA18a]. **Stress-Aware** [GBA18a]. **String** [ASM+16, GNSR14, LP13a, PWW+11, ZS13]. **Stripe** [FSL+17, KLC+16]. **Strong** [HTC13, WHL17, ZGW14]. **Strongly** [KW14]. **Structural** [BWCW15, GLTC16, TLL12]. **Structure** [AKJ+13, CZP+16, HHY11, JP13, KS10a, MKRM10, PPKW12, SJD+18, XHZC16, YWW+16, ZZ17]. **Structure-Aware** [CZP+16]. **Structure-Independent** [MKRM10]. **Structured** [CYC11, MLE14, SL13, SLC15a, WJF+11]. **Structures** [ALW11, FLS16, GCL+13, LHYZ13, PWTS16]. **STT** [AYC16, CKD+17, CFMA19, FKMK16, GBGI18, KCW+17, KA19, LHL+15a, YLGD19, ZOK+19]. **STT-MRAM** [CFMA19, GBGI18, KCW+17, ZOK+19]. **STT-RAM** [AYC16, CKD+17, FKMK16, KA19, LHL+15a]. **Stuck** [MMC15]. **Stuck-At** [MMC15]. **Studies** [WHC+15b]. **Study** [AE11, AD10, AR17, CTS13, CCLH10, GLP+12, GM12, HHC+18, SD14, VIDH19, WRW16]. **Stuffing** [CCH+15a]. **Sub** [BBPQ15, GD17]. **Sub-Networks** [GD17]. **Subarea** [XLW14]. **Subbanking** [LGMP10]. **Subclass** [WHL+12]. **Subcodes** [Red11]. **Sublinear** [DJJ+08, Lee12]. **Submicron** [SSJ+18]. **Submillisecond** [HGML11]. **Subnetworks** [LY11]. **Suboptimal** [TLP18]. **Subpage** [KLK18]. **Subpage-Aware** [KLK18]. **Subquadratic** [BNP10, CHN14, CLL+14, HF15, HMNN12, PCHS17, PCHS18, RM15b]. **Subscribe** [BS15]. **Subsequences** [Pom12a]. **Subset** [BS14, BS16]. **Subspace** [AKKH12, PZZQ19]. **Substitution** [CJK15]. **Substitution-Permutation** [CJK15]. **Substrate** [WTBT13]. **Subsystem** [CVPS19]. **Subthreshold** [LCY+13]. **Subtraces** [USP+13]. **Subtraction** [KBP13]. **Succinct** [EG11]. **Suffering** [ZHM+19]. **Suffix** [LNCX18, NZC11, WNCH17]. **Suitable** [JL11]. **Summation** [BGHL19, DN15, Lef17]. **Sums** [BCTV19, BHR17, KLLM12]. **Supercomputer** [CTD+16, LLL+17]. **Supercomputing** [YWXZ12]. **Superior** [ST17]. **Superpeer** [GEvS10]. **Superpoly** [HIJ+19]. **Supersingular** [BDE+11, FHLOJRH18, LNL+19]. **Supervised** [FCB+19]. **Supplies** [LLLJ13]. **Supply** [DYW15, DMXY14, GSK12, PdG13, QZL+16]. **Support** [CCO+14, CLM+19, DMK+15, FGS+13, GSG+15, HMS+12, KLK+14, KT12, LKYC12, LKH16, LSG+15, MJW+14, MWWT13, MW10, MRW+15, RKN+18, SAR+11, SBP+14, WLZ+15, WGW+15, WJY+17, ZYW+16, ZCK19]. **Supported** [LCL15, ZGG+16]. **Supporting** [CT13, KPBC17, LXW+19, LSGZ16, SMG14]. **Supports** [KH18]. **Survivable** [Ano13g, GSG+15]. **Sustainability** [CFW14, MOS14]. **Sustainable** [CCO+14, CRJZ16, MOS14]. **SVM** [JAS+15]. **SW** [MH19]. **Swapper** [ZLSI17]. **Swapping** [GCF+16, LZZ+17b]. **Swarm** [SLC15a]. **Swarms** [WAK+17]. **Switch** [DKG13, KKH+14, SRR+16]. **Switched** [CWF14, LKMSA16]. **Switches** [ACGP13, AHK10, BGMR13, DKG13, GY13, JPLP13, MOYB12, ZWLS15]. **Switching** [AR12, CCH+15a, GSK12, Pom12d, Pom13a, SLS+12, SO10, Tho15]. **Sword** [WHC+15b]. **Symbol**

[MCM16, NL16b, PROM15]. **Symbolic** [BMZ17, NS13, PNKI13, ZJH+14]. **Symmetric** [HC13b, MM17, ZWYY15]. **SymPLFIED** [PNKI13]. **Synchronization** [BBB+17, HWZ+12, KLJ+14, LK18, TFCY16, WZLS16, ZJXL11]. **Synchronization-Aware** [HWZ+12]. **Synchronization-Based** [BBB+17]. **Synchronized** [PRGBSAC19]. **Synchronizer** [Zot10]. **Synchronizing** [HZ11]. **Synchronous** [LYL+19]. **Syndrome** [Red14]. **Synergistic** [Pan16]. **Synergizing** [LHH14b]. **Synergy** [LHTG15]. **Synthesis** [AR12, BM13b, CBZ14, DYJ19, DSR15, FSR+18, GAFN15, GM12, IB10, JWC12, JRC14, KK18, LH11, MY10, MIS+14]. **Synthesizer** [DSKH15]. **Synthesizing** [RBIQ15]. **Synthetic** [GJ14]. **SyRA** [VSC+19]. **System** [ADI11, ASM+16, AHNT16, AE11, Ano11f, AC11, BKH+13, BS15, BBP+13, BJ12, BS10, BM13b, BSM+14, CMS10, CXZ13, CCO+14, CWZ11, CHLT14, CCC+18, CLCS19, CH14, DKH+13, DSB13, DFP+13, DALD18, DCL+11, FLP+13, IBH+13, JZLD10, KM11, KGC14, KP15, KCE+18, KBP13, LK10, LYB15, LKK+19, LSW15, LLD+16, LLS+16, LYJ+18, LVF19, LSGZ16, MBM11, MMCS18, MLE14, MKM14, NLP+14, PP11, PBT13, QWB+13, ROGHNB+18, RM15c, SOM+13, SPC+16, SCZ+16, SWZG11, SLS+12, SN16, SKM14, TKT16, VSC+19, WZLX12, WLK15, WWY+16, WP16, WSXZ13, XZL+19, YY10, YSZ+14, YXZZ14, ZGG+16, ZZ10, ZMS13]. **System-Dependent** [JCY+13]. **System-Level** [AE11, Ano11f, BS10, BM13b, LK10, WP16, ZMS13]. **System-on-Chip** [BKH+13, LYJ+18]. **System-Wide** [KCE+18, SKM14]. **Systematic** [BGM+13, DRC14, PWTS16, PC16, Red11, SZW+16]. **SystemC** [PFGB14]. **Systems** [AJH15, AXS+10, AEP18, AE11, AFH+10, ARGT14, Ano13g, AISA16, BBPQ15, BKPMC13, BDM+19, BIP+17, BBB16, BMS11, BM13b, BKP16, BDL+13, BGRH15, BDBB18, CAbZM18, CW10, CK11, CHH+13, Cha14, CZ14, CHC+15, CHTD19, CCH11, CS11b, CYCC11, CQW+15, CCY+16, CJA+16, CvdBC18, CLM+19, CQ14, CDK+18, CK15, CH14, CWCS15, DZD+16, DSB13, DYCG16, DLC+13, DSY+15, DW10, DKK16, EKJ+10, FFCB14, FYSK14, FSR+18, GCD+11, GGSPM18, GV15, GGA+17, GWM+17, HRK17, HWZ+12, HNV19, HWS+17, HWSX17, HS18, Hie13, HCH15, HTC13, HHLK12, HWL+14, HZW+12, HT12, HWSN15, HLA+17, HHW+18, HLC+19, JAJK15, JKY10, JKD+19, KS10a, KIJ14, KMC17, KMLH11, KAH19, KCRG14, KLJ+14, KH18, KAQC14, KA19, Kůr12, LBSK17, LSK13, LSSE15, LXJD15, LXDV17, LS10a, LSS13, LOX+13, LLL15, LCH+15, LTVL15, LSG+18, LcZLG19, LH12b, LKT13, LZZZ13, LMB+16, LLW+11, LXZ+15]. **Systems** [LZZV16, LZZ16, LHH17, LJVJ18, MW10, MJWT16, MS15, MBB+17, MG11a, MUMB11, MBSSA19, MNK11, MCXZ18, MTBB10, MW13, NL16a, NL16b, NVB16, OGPK14, OKC13, PKC+17, PDXZ13, Pan16, PCLN15, PBL16, PC10, PBE17, QZL+16, QLH+16, RVC+15, RF14, RDEN10, RSU17, RBR13, SSKL16, SDP+12, SVD18, SIVH16, SMN+17, SSW12, SL13, SLC15a, SZG+18, SKM14, SL14b, ST11a, SD13, SYH17, SWZG15, TLZV11, TB15, TSK16, TRA18, Tsa13, TFCY16, TS11, VSC+19, VSF+17, WS14, WLC+15, WZM+16, WSZ+16, WSL+18, WTZ+19, WHL17, WhCCC12, WA10, WLZ10, WJF+11, XDZ11, XLX+14, XTW15, XSR15, YLY+15a, YCLH16, YHC19, YPB+16, YYW+16, YTD+17, YHV13, ZLBB19, ZWW+16, ZFJ+17, ZFHC19, ZQZ+19, ZZ19, ZV14, ZZM+15, ZL15, ZHM+19, ZXX+14, ZLLX15, ZCR16]. **Systems-on-Chip** [NVB16, RVC+15].

Systolic [CVGZ15, CLL+14, LLOS13, RM15b, WF12]. **Sytare** [BDM+19].

T [GNSR14, ZGR13]. **T-SPaCS** [ZGR13]. **T-Transform** [GNSR14]. **TA-LRW** [CFMA19]. **Table** [KCS14, SPC+18]. **Tables** [HC13b, HHY11, HH17, LJ13, LS10c, MS12, Rus13, dLSGDR17]. **Tables-and-Additions** [LJ13]. **Tackling** [EE17, USH19]. **TACLC** [CYCC11]. **Tag** [KCL19, LXZ+15, YXWL16]. **Tagged** [DSB13, RKN+18]. **Tagging** [KLK17]. **Tags** [LLM+15, SDZ15]. **Tailored** [NCD+17]. **Tainting** [DCV+12]. **Taming** [CVH+13]. **TAP** [LCLC19]. **Target** [BWV15, GJ14, SBH11]. **Targets** [WF14]. **Task** [AO11, CFL+18, CCK+16b, GCR+19, GZB+15, HV14a, HLWV17, HGW+17, HNB+12, KLK+14, LC16a, LYJ+18, LMB13, MBB+17, PAC+12, PP10, PM14, RBR13, TB15, TFCY16, WLZ+15, WJY+17, ZLBB19, ZLG+15, ZGG+16]. **Task-Based** [GCR+19]. **Tasking** [CvdBC18]. **Tasks** [BMP+10, Bin15, CGL+18, CP10, GHK15, HV13, HV14b, Li12b, LTVL15, LGS+18, MFG14, MW13, NRG15, TLZV11, WBZ+15, WGR+14, YTM16, ZQQ11, ZCYX15, ZMRQ11]. **TC** [Ano13a, Ano13b]. **TCAM** [BSS14, BSS15, BBH12, CWZC13, CW16, KCS14, MS12, RCRK13, SP12, Yun12]. **TCAM-Based** [BBH12, Yun12]. **TCAMs** [Li12a]. **TCP** [YCCWC15, ZWH+15]. **TDM** [SMG14]. **TE** [ZMW15]. **TE-Shave** [ZMW15]. **Technique** [BCSR14, DSR15, FTP13, GSK12, KTA+14, LSC11, LCT11, PPP13, RBMO11, SRCK10, TW10, ZZ17, ZMY11]. **Techniques** [AS12, CM11, CZP+16, EKJ+10, FBR+12, FCB+19, Fuj11, GPRS17, GTRMG18, IS11, LLHC15, MYW11, NM10, RCN11, SP12, TJH+15, TLL12, XL16, ZR15a]. **Technologies** [AISA16, BMM11, CHTD19, LHH14b]. **Technology** [ACM+16, WWY+16]. **Telephone** [CB15]. **Temperature** [AEGH19, HV12, JCY+13, KkC15a, LSC10, YMG16]. **Temperature-Aware** [HV12, KkC15a, LSC10]. **Template** [ZYY18]. **Temporal** [AKKH12, CSPC12, CFMS14, DYCG16, FLS16, LXL+13, LCX+16, LC16a, MB12b, SSW12]. **Temporary** [ZZJ+19]. **Tenant** [ZGWC15]. **Tensor** [KYZC19, Red19]. **Term** [CYJ+10, Ose11]. **Terminal** [LHPH15]. **Terms** [YL14]. **Ternary** [ADI11, BT16, FAK16]. **Test** [AK16, BBI+13, BCSR14, BCD+16, CZP+18, CCV+11, CCC15, CSW+15, COLK18, DPS11, DRS+16, FM19, FD16, GPRS17, HRM+16, IGLM15, KN11b, LCY+13, MVB10, NI11, NM10, PN16, PP14, Pom12c, Pom12a, Pom12d, Pom15c, Pom15b, RC14, RBG+19, WEH+19, XCF16, YTND12]. **Testability** [KT19, MOMT12]. **Testbench** [PFGB14]. **Testing** [BCK+16, CVMA10, HTH15, Hie11, HL10b, HWE+16, KL13, Li12a, LC16b, MG11a, MOMT12, NI11, RCC14, ST16, SNM16, SDL+19, XCF16, XKT+15, ZOD13]. **Tests** [CM11, Pom12c, Pom12b, Pom12d, Pom13a, Pom13b, Pom14, Pom15a, Pom16a, SP10]. **Text** [QWB+13]. **Textual** [CYJ+10]. **th** [KCK16]. **Thank** [Mon19]. **Thank-You** [Mon19]. **Their** [GM12, KBP13, LK10]. **Them** [MMP13]. **Theorem** [Fan16, HTA10]. **Theoretic** [SCK10]. **Theoretical** [GLH+19]. **Theory** [AS10, EFPC16, LLL15, LCHC14, SKEB18]. **Thermal** [AQPMS15, BTBB14, KAH19, LZZZ13, LYJ+18, MMCS18, MKM14, PKC+17, RVC+15, RCN11, SVAB14, TCHL18, WJY+17, WWT+18, XCF16, ZMW15, khR+18]. **Thermal-Aware** [AQPMS15, KAH19, LYJ+18, MMCS18, WJY+17, XCF16]. **Thermal-Constrained** [TCHL18]. **Things** [LGH+17]. **Third** [QZL+16]. **Third-Party** [QZL+16]. **though**

[CS15]. **Thrashing** [LCLC19]. **Thread** [HGCT13, KK10, LKJ15, LR18, LLX+17, LY18, RCM+16, TLGM17, XLL+18, ZJS14]. **Thread-Aware** [ZJS14]. **Thread-Level** [XLL+18]. **Threaded** [TLGM17]. **Threading** [CvdBC18, MS15, RCC14]. **Threat** [YZF+10]. **Three** [CNH13, CCE+18, Hia16, Hia17, JWH+15, MKLW14, PC16, SG13, Ste14]. **Three-Dimensional** [CCE+18, JWH+15, MKLW14]. **Three-Moduli** [Hia16, Hia17]. **Three-Vertex** [SG13]. **Three-Way** [CNH13]. **Threshold** [Cil11, FSGAB+16, MHK15, RMKR12, STE17]. **Throttling** [LK16a]. **Throughput** [AFC10, CVGZ15, CA12b, FFISC13, HGCT13, KAH18a, KHZ17, LMC+15, LCL17, OMFH14, PRM16, RL13, VC10, WSL+18, YM11, ZZYZ14]. **Throughput-Efficient** [YM11]. **Throughput-Optimal** [RL13]. **Throwbox** [LYT+16]. **Throwbox-Assisted** [LYT+16]. **Throwboxes** [LYT+16]. **Tianhe** [XYF+15]. **Tianhe-2** [XYF+15]. **Tier** [LZW+15]. **Tiered** [SRHC12]. **Tight** [ST18a]. **Tighter** [YLH10]. **Tightly** [DMK+15]. **Tightly-Coupled** [DMK+15]. **Tiled** [KPS+17]. **Tiling** [QLH+16]. **Time** [ABH+13, AF14, ADP+15, ABEP16, AEP18, AE11, ASBdS16, BM13a, BBK10, BBD+12, BBP+13, BG12, Bin15, BBB16, BDB18, BPC12, BGRH15, CWF14, CBB19, CW10, Cha14, CWZ11, CYCC11, CCC15, CGL+18, CQ14, CLR13, CCAM14, CYL+14, DYW15, DCCK17, DZD+16, DA12, DGC+15, DZ10, DKK16, EE17, FM16, GKB+10, GCLC11, GPRS17, GGA+17, GCAG16, GSF+10, HB11, HXVQ15, HWZ+12, HV12, HCH15, HK16, HHLK12, HWL+14, HXL11, HCC+12, HV14b, HC17, HGW+17, HZW+12, HCZW13, IBH+13, JAJK15, JSH+17, JWWZ16, KS10a, KSS12, KM11, KRR+18, KGP15, KTA+14, KMC17, KLLK11, KCE+18, KAQC14, KDEV19, KT12, LYH11, LR13, LSC11, LHC+14, LAAM11, LMC+15, LKLK13, LSSE15, LXJD15, LXDV17, LC16a, LWF+17, LLW+11, LLM+15, LXZ+15, LGS+18, LMB13, MBD+17, MUMB11, MAHD18, MBSSA19, MFG14, MKM14, MW13, NRG15, NZLK14, NZC11, OHCK17, OCK17]. **Time** [OPZ15, PTD+12, PC10, PMH+14, RHC+14, RF14, RM15a, RLX15, SRCbL+15, SCJ+16b, TB15, TH11, TFCY16, TCHL18, THGT13, TKT16, VK15, WXS12, WBZ+15, WLY+14, WA10, WLZ10, WSXZ13, WZ14, XWLX17, Yam10, YPB+16, YYW+16, YHV13, YTM16, YAGB17, ZICL12, ZLBB19, ZD13, ZLY15, ZZ19, ZYY18, ZHM+19, ZQQ11, ZCYX15]. **Time-Aware** [WSXZ13]. **Time-Borrowing** [CCAM14]. **Time-Dependent** [LR13]. **Time-Domain** [HXVQ15]. **Time-Driven** [BM13a, RM15a]. **Time-Efficient** [LLM+15, LXZ+15]. **Time-Evolving** [HCZW13, JWWZ16]. **Time-Memory** [ASBdS16]. **Time-Multiplexed** [GCLC11]. **Time-Predictable** [WA10]. **Time-Series** [ZLY15]. **Time-Slot** [RLX15]. **Time-Triggered** [MAHD18]. **Time/Just** [JAJK15]. **Time/Utility** [KM11]. **Timed** [LH12b]. **Timely** [STR15]. **Times** [YLH10, YLA+15]. **Timetables** [DDNP11]. **Timing** [CYCC11, CCAM14, GV14, JRJ+18, KTA+14, LR16, MMAC19, MMP13, SBP16, SCJ+16b, VTA16, YyHL11, ZM17]. **Timing-Aware** [CYCC11, SBP16]. **TLB** [KLK17, SMAR+19]. **TLM** [BFP11, PFGB14]. **TMDTO** [MSS+18]. **Toeplitz** [PCHS16, RM15b, CNH13, CLL+14, HF15, HMNN12, HN13, PCHS18]. **Toffoli** [GM12]. **Toggle** [KCY18]. **Toggle-BasedX-Masking** [KCY18]. **Tolerance** [BWCW15, BKP16, DCK16, EYBK15, GV15, HHCH11, JWH+15, JKJ+10, KTA+14, MSC12, MBSSA19, NLRB17, PPP13, RKR15, RRS+16, RZPX19,

SJSLD11, SRK+17, SD13, VTA16, VCB+13, WZL+17, ZBK+17, ZL15, ZJXL11].
Tolerant [ALBP14, AE11, BMT14, CFMS14, CHLL16, HCZW13, JK15, KCRG15, KKC15b, LCC10, LW17, LYT+16, LQW+17, LZS+13, QLR+11, RVL+14, SB16, SMRML17, SDE+17, SPH13, WBZ+15, WGZ+15, ZBW17, ZQQ11].
Tolerating [CZS+19, HK15a, KK10, MMC15, MCM16, WNKL16]. **Toleration** [RBK+12]. **Tology** [CPL16].
Tology-Aware [CPL16]. **Tomography** [FM16]. **Tool** [DYJ19, LVMS18, ZCS16].
Tools [DMXY14]. **Top** [LRY+15].
Top-Down [LRY+15]. **Topics** [Ano13d, Ano13c, DPO17]. **Topological** [CMB13, DLL+12]. **Topologies** [RKZ16, YUGD14]. **Topology** [AMVOS+15, CTD+16, CSJ+11, DNSS11, HCZW13, JWC12, JRC14, MM16].
Topology-Aware [CTD+16]. **Tori** [CS11a, Ste14]. **Torus** [AMVOS+15, AVS+14, AVS+16, MWLJ15, RL13, RKZ16, TYWC10, ZR15b]. **Tower** [ZAG19]. **Trace** [LYH11]. **Trace-Capable** [LYH11]. **Traceability** [SAR+11].
Traceback [YZGG16]. **Traceroutes** [PPB+14]. **Traces** [RKT19, ZZX+15].
Tracing [LZW+15, MUMB11]. **Track** [WF14]. **Tracking** [BWV15, CRG+13, LLL11, LFH+16, OPAGS14, PdG13, RCN11, ST17]. **Trade** [ADOKM10, ASBdS16, BCC+16, BS14, BG12, GCAG16, KCL+16, KN11b, ZZ10].
Trade-Offs [ADOKM10, ASBdS16, BCC+16, BS14, BG12, GCAG16, KCL+16, KN11b, ZZ10].
Tradeoff [KCE+18, MTFK19]. **Tradeoffs** [ABH+13, CSPC12, PvdGG12]. **Traffic** [CHC+15, CPL16, CLZ19, DHC+16, GSH+14, HHM11, HGL+15, KGC14, PBT13, SMB+15, YZH+15, ZWL+19].
Traffic-Aware [PBT13]. **Traffics** [GDY15].
TRAID [SSW12]. **Train** [HDYS16].
Training [CDK+18, SSGB19]. **Transaction** [HPR16, LSG+15, SSW12]. **Transactional** [AH13, HPR16, JW16, KCRG14, QGPZ13, RQ14, TPR16, VAN+18, WGW+15].
Transactions [Ano13c, Ano15a, Ano16a, Ano17a, Ano18a, Ano19a, BKP16, BPC12, CHTD19, DPO17, LDL+17, Liu11, LSGZ16, Ano11g, Ano11h, Ano13d]. **Transceiver** [NBZP17]. **Transcendent** [VTW16].
Transducer [AWFV13, CYA13]. **Transfer** [Ano13f, CCL+13, HMZ+14, HL10a, LCCJ13, Tho15, WCL+18]. **Transform** [GNSR14, HHCH11, RMC+15, RBMO11, TWTT11, GTRMG18]. **Transform-Based** [RBMO11]. **Transformation** [CI16, JDA+16, RBIQ15]. **Transformations** [LTLC12]. **Transforms** [Red18]. **Transient** [DSY+15, DKK16, FEP+12, MD16, SMRML17, WWT+18, ZHM+19].
Transiently [BDM+19].
Transiently-Powered [BDM+19].
Transients [CBB19]. **TranSim** [LZZ16].
Transition [NCD+17, Pom12b, Pom13b, ST16, XKT+15]. **Translation** [AJH15, CC11, LH16, LVF19]. **TransMap** [JDA+16]. **Transmission** [CBTU14, LSL15, MFT+17, RSNK17, RSN+18, XLS+12].
Transparent [CCW+10, DHC+16, JKJ+10, KYZC19, LC16a, LZZ16, WFT+19, ZLW+17].
Transportation [DYCG16, DAPS14, HDYS16]. **Transpose** [IRMM+16]. **Transversals** [WF14]. **Trap** [CCL+18, YCL+12]. **Trapdoor** [GPR+19].
TRAST [MM16]. **Traversal** [DKG13, XHZC16]. **Tree** [AKJ+13, AR17, BS14, CLS10, CCC15, CYC11, FYSK14, FEP+12, GYC+16, GGA+17, GY15b, HH17, KK18, KLT16, LP12, LHPH15, LRY+15, LSZ+15, SDP+15, SBI12, TXL11, WXW+14, WLC+15, YWW+16]. **Tree-Based** [LP12].
Tree-Structured [CYC11]. **TreeFTL** [WW16]. **Trees** [CW15, DDNP11, LDP10, SJSLD11, TYWC10]. **Tridiagonal**

[DALD18]. **Trie** [HHY11, HY12, ML16]. **Trie-Based** [ML16]. **Tries** [LYS10]. **Trigger** [KN12, NZ14]. **Triggered** [MAHD18]. **Trigonometric** [dLSGDR17]. **Trinomials** [Fan16, LMZQ17]. **TRIO** [BSS15]. **Triple** [ERRM16, FMP19, LZZ17a, RNS13, TFCY16]. **Triple-Word** [FMP19]. **TRNG** [LB15b]. **TRNGs** [PRM19]. **Trojan** [NDC+13, ZZ17]. **TrueNorth** [TBC+17]. **Truncated** [DRC14, GPN11]. **Trust** [JWL+16, MM16]. **Trust-Based** [MM16]. **Trusted** [JWWZ16, MGdC+18]. **Trustworthy** [LSW15]. **TrustZone** [BBA19]. **Truthful** [HZL+16, MFG16, MFG14, ZJL+16]. **TSAC** [WZL15]. **TSP** [PKC+17]. **TSS** [CYJ+10]. **TSV** [CCE+18, EYBK15, YEY+16]. **TSV-Based** [CCE+18, EYBK15]. **TSV-to-TSV** [YEY+16]. **Tunable** [Nan19]. **Tuning** [NL14]. **Turn** [TLP17]. **Turnaround** [EE17]. **Tweakable** [CMLRHS13, MLCH10]. **Twin** [AMVOS+15, AVS+16]. **Two** [AJH15, CHL17, LAAM11, LLW+11, LLS+16, NI11, NL15b, NZC11, PLZW14, Pom15c, RLRL19, Ste14, TWTT11, Tse12, WEX14, WHC+15b, ZGR13, ZMRQ11]. **Two-Dimensional** [Pom15c, Ste14, TWTT11, WEX14]. **Two-Factor** [LLS+16]. **Two-Level** [AJH15, LLW+11, NL15b, ZGR13]. **Two-Rail** [NI11]. **Two-Stage** [PLZW14]. **Twofold** [GO10]. **TXOP** [LHY13]. **Type** [PCHS18, RKN+18, WF12, ZCW18, Ima18]. **Type-I** [Ima18]. **Types** [KN11a].

Ultimate [PN16]. **Ultra** [BDDL18, FHW18, LT15, WWY+16, XYF+15]. **Ultra-Low** [BDDL18, FHW18, WWY+16]. **Ultra-Scalable** [LT15, XYF+15]. **Unbalancing** [JLC10]. **Unbiased** [LMB17, VMHGN18]. **Unbounded** [XXBL17]. **Uncertainty** [BIP+17, LMB13, WHYS16]. **Unclonable** [CJSM17]. **Underwater** [CBVL16]. **Undetectable** [Pom12b]. **Unequal** [CMM15, DRM16, NL15b, NL16a, YW12]. **Unfaithful** [FNS16]. **Unicast** [RBRL15]. **Unified** [AFC10, LLC+16, LJY+15, LJ15, MF14, SB10]. **Uniform** [NTR14, ST18b, WhCCC12]. **Uniprocessor** [SL14b]. **Uniqueness** [GLH+19]. **Unit** [BPG16, GH11, HMS+12, LCL17, LN12, MKFM13, PGvdG14, WF17, WE12, ZCW18]. **Unitaries** [KMM16]. **Unitary** [Red18]. **Units** [FFISC13, JRJ+18, KN12, Nan16, dOPSR16]. **UNIVERCM** [DFP+13]. **Universal** [DZLP14, DFP+13]. **Unix** [SF17]. **Unknowns** [NS13]. **Unobtrusive** [MUMB11]. **Unreliable** [BMT14, GHG+14, KAH19, RCK+16]. **Unschedulability** [ZZ19]. **Unsigned** [JLLH19]. **Unspecified** [NM10]. **Unstable** [YCCWC15]. **Unstable-Bandwidth** [YCCWC15]. **Update** [HY12, KE19, KCS14, LDL+17]. **Updates** [BMS12, CLW+16a, SZG+18]. **Uplink** [CKH15]. **Upon** [LCX+16]. **Upper** [Bin15, HCCG10]. **Upsets** [ALBP14, WNKL16]. **Urban** [WAK+17]. **Usable** [MAG+17]. **Use** [DAPS14, Fin10, MB12a]. **Used** [LOC+16]. **User** [HCD+16, JCM16, QQW+17, RVH+16, SZDL14, YCCJ15, ZJL+16]. **User-Friendly** [SZDL14]. **Users** [PPB+14]. **Using** [ARM16, ABH+13, AAR19, ADP+15, AKL18, AD16, AXS+10, AHNT16, AMG17, AVS+14, ADC11, AD13, AS14, BNP10, BD15, BFMT16, BCTV15, BJ12, BBH12, CSS13, CCH15b, CZP+16, CTD+16, CJA+16, CW15, CW16, CLL+14, CJK19, CCR+17, CND+18, CJ12, CH14, Cro14, CP10, CDL+17, DN11, DJA14, DLC+13, DCV+12, DAPS14, EKA17, ERRMG15, ERRM16, EG11, GKD+17, GAFN15, GO10, GZB+15, GCL+13, HTA10, HCSW15, HNB+12, IRMM+16, JSA17, JZLD10,

JWWZ16, JWL+16, JLLH19, JMMP16, KAH18a, KYZC19, KKT15, LP12, LW17, Lee17, LDP10, LLCC13, LCT11, LPL12, LHYZ13, MRD19, MWZ+17, MSK15, MHRARG+14, MRL+18, MF14, ML16, NWA11, NWA12, NM10, OPZ15, OKD+16, OKC13, PDXZ13, PP11, PCHS18, PO13, PPB+14, PRM19, RVL+14, RKR15, RCN11, RM15b, RMERM19, RS10, RD18, SIB13, ST12, SXCL14, SDP11]. **Using** [TW10, TAH+16, TZL+14, Tho15, TBC+17, VED+16, VAB14, VA11, WEX14, WSXZ13, WZ14, XLS+12, XLC14, XDZ11, XKT+15, YKK+15, YFJ+14, YLML15, YWM19, Yun12, ZNL18, ZCZL16, ZZX+15, ZRL15, dDLM11, GV15]. **Utility** [KM11, KFB+15, LS13, LTLC12, SMP16, ZJS14]. **Utility-Based** [LS13, SMP16]. **Utility-Directed** [LTLC12]. **Utilization** [AGFM11, ARS16, Bin15, CCY+16, CGL+18, HZX+14, HLA+17, JDA+16, WLK15]. **Utilization-Based** [CGL+18]. **Utilizing** [HK17, PWTS16].

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