A Complete Bibliography of *ACM Transactions on Design Automation of Electronic Systems*

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22 June 2021  
Version 1.78

**Title word cross-reference**

1 [AGM01]. 2 [FWCL05, GH00, RL13]. 2.5 [WCB15, WWCT18]. 3  
[ADDM+13, AJK+21, CLT+15, DLC+17, JGM14, KK11, KKHK16, KLE18, LLKC13, LDD+18, LDD+19, LH+Z06, LHC16, LW17, LS19, LS17, OS03, OCK19, PKC+21, SKP21, SYX12, THM15, TMDF10, WYC10, XGC+20, YHH09, ZYS12]. 4 [JCGP05].  
\[d\]  
[MLMM08], DDX [SW04], \(f_{\text{max}}\) [PMB10], \(g_{\text{m}}\) [LZ21], GF(2\(^m\)) [RMPJ08], \(H\) [CLT+15], \(I^D\) [LZ21], \(k\) [CLH12], \(k/m\) [CHY05], \(\mu\) [DHZ+11], \(N\) [Pom17a, CLH12, Pom17a], \(o(\min(m, n))\) [LM05], \(t/t\) [CH13], \(V_t\) [KOS09].

- -Ary [CLH12], -based [SW04], -Cubes [CLH12], -D [OS03, WYC10], -Detection [Pom17a, Pom16b], -Diagnosability [CH13], -distinguishability [AGM01], -domain [FWCL05], -driven [MSD06], -geometry [JCGP05], -macrocell-based [CHY05], -Matrix-Based [CLT+15].

0.35V [ACF+11]. 0.35V-Optimized [ACF+11].

2-stage [KSA+10]. 2.0 [CLYP09, HWGY16, LLL+18]. 2009 [GK09].

252Kgates [CCC+09a]. 252Kgates/4.9Kbytes [CCC+09a].

36 [DHZ+11].
4.9Kbytes [CCC+09a]. 40nm [ACF+11].
45-degree [CT13, TP08]. 45nm [BFL10].

71mW [CCC+09a].

90nm [CFD+16].

A3MAP [JP12]. aberration [KPSW09].
absence [SPA+03]. Abstraction
[HZS+19, CMNQ08, CLM+10, HMB98].
abstraction/refinement [CLM+10]. ABW
[CIX15]. AC [MHA19]. Accelerated
[LD17, BHDS09, MLC08, RB19].
Accelerating [HW14, LS11, SSK12].
Acceleration [WFSS20, GPK+09].
Accelerator
[LYL+19, OHA19, SHBD21, AHL+08].
Accelerator-rich [SHBD21]. Accelerators
[SV11, TL19, LSPC14, YLP+13]. Access
[GSD+18, OKC08, RPR+21, XYG+16],
Cha01, KLSP11, KCKG13]. Accesses
[KCKG16]. Accurate
[DKZ+15, L18, SV16, SKCM06, TWL16,
TEK18, MFS09, RCD07, SGD10, XK97].
Achieving [KJT04, STL+13]. ACM
[GK09, BC08, CH10a, KLSZ09, QS11, SN10,
CPX14]. acoustic [FIR+97]. acquisition
[NR03]. across [LBV+06]. action [KC98].
Activation [WLM21]. Active
[LKC+18, VEO16]. Actively [PCT+17].
Activity
[GJF16, KOQ18, RG19, PR11, SX+06].
Actor [RGT+14]. Actor-Oriented
[RGT+14]. acyclic [LKT98]. Adaptable
[CRC15, KKK12, SHN12]. Adaptation
[LYHL14, MDN15, RNA+21]. Adapting
[SSO16]. Adaptive [BM11, CB17, CIX15,
EW18b, JM14, KKH16, LKY13, LYSO19,
LPY+20, SFM+19, SOS15, TIZ17, WR12,
WQC+16, ZLY+15, CCYC14, CR12, CLQ12,
DP04, FS13, HCK13, LMB+12, LSL+13,
RL13, RAKK12, SCB01]. Adaptively
[KLK+17, DL11]. ADC [EO19]. ADCs
[HWCL15, PKP+03]. Add [LWZ+19].

Adders [KKK12]. Address [LP03, SR12].
addressing [SSP04]. adjustable
[KSA+10, LLHT12]. ADL [MSD06].

Admission [DZCD15], advanced
[DDFR13]. Advances [CO18]. Adversarial
[LYM+20]. Affine [WKL+18, BC11]. after
[XFJ+16]. Against
[ADB+19, DZS+18, RNR+21, AYS20,
DFM15, GDTF17, HYK+20, ZLQ15].

AGENTs [dW97]. Agglomerative
[LLLC13]. Agglomerative-based
[LLLC13]. Aging [ADB+19, DNT20,
FYCT15, GC18, OT15, TCW20, HTCP13].

Aging- [FYCT15]. Aging-Aware [OT15].

Aging-induced [TCW20]. Agnostic
[BDBB19], ahead [CSAHR07]. Airgap
[HS19]. algebra [GK07, GK09]. algebraic
[ARLJ06]. Algorithm
[DHVW18, GDPRG11, GY12, HCR11,
HLG+15, KLSZ09, KLSZ11, MA16, MJB19,
TZ17, YVC14, ZHC+21, ZLG+19, BDB98,
CD09, CT13, CSL+07, CCW08, EK97,
GBC07, HJL02, KH6, KL05, LM05,
MBB01, MKBS05, MLM08, MWG97,
SCB01, SG96, VKK02, XTW05,
YMC+13, YWW10, Zho08]. Algorithmic
[AM05, KTH18, LXWC20, RRHB21].
Algorithms [ACFM12, GMN+13,
GdRM19, SV16, SZB17, TCP97, Das04,
Das09, EMO03, GMSS02, JLF+12, LGM04,
LA00, OWH08, PB14, PW99, TC98, YW09,
YCHT00, ZS10, ZS02]. Aligned
[SHL+19, XYG+16]. Allocating
[KAKSP16, YHH09]. Allocation
[ABC+17, BK00, BM11, CET16, CARH18,
KK14, KKL15, SCK18, ZYS12, AOC02,
CLM+10, CL99b, LCK+09, SM00].
Alternative [KRL15, SY20]. among
[DK08, LYSO19]. AMS [CVMP19,
DDNAV04, MDM+12, MPDG09, ZMS+19].

Analog
[ADB+19, BBEM15, CF+16, CLC20,
DZ18, HRC21, LYSO19, LZZ1, LHJ12,
LCYN18, PTS+20, SHD17, STGR15, SOS15,
TZ17, TZ20, WJYZ11, XAG+20, ZSY18, BC05, DC07, DDNAV04, LON08, LFG+09, LC KT12, LTPR+13, ST99, SCJ01, WVF02].

**Analog/Mixed** [STGR15].

**Analog/Mixed-Signal** [STGR15].

**Analog/RF** [BBEM15, PTS+20].

**Analyses** [BFG17b, YBM+21].

**Analysis** [BS14b, CZW+03, CLT+15, CB17, CH17, CYH19, CLM20, DKZ+15, GD20, GLY+12, HKL+15, HHL14, JIR+21, JM14, KM97, KO018, KC13, LJ18, LDLM20, LV14, MAS16, MHA19, NSCM17, OM08, PHKW12, Pid16, PEP06, QBTM16, RRHB21, SMBT19, STWX12, THT12, VTC20, WL12, XT16, ZFLS11, ZYW+18, ZS16, ZKS+16, ZMS+19, ZBFP18, AC06, APB+08, BWB14, BK10, CPR+02, DCK10, Das04, DH06, FZKS11, GM08, GGBZ02, GDG+08, IBMD07, JB98, JT98, KPR06, KVM08, LWC07, LCHT02, LON08, LTPR+13, MDG08, MFS09, MCMW08, NM13, QSK12, RMB10, ST99, VMP+00, WYCI0, WYW09, ZHM07].

**Analytic** [AMM+18, LFST21, JP12].

**Analytical** [HHL14, MA16, SV16, XLL+16, GG04, LON08].

**analyzing** [LH13].

**Android** [THC+14].

**Annealing** [VLH04].

**Annotating** [BD05].

**Anomaly** [LL19, VTC20].

**ant** [WGD07].

**anti** [HTCP13].

**anti-aging** [HTCP13].

**Any** [JZG21].

**Application** [CVY+14, HKL+15, HMMG+20, HCZ+16, LPD+17, LYH14, LHF12, LF12, MDR15, RCK+15, STJG16, TCL14, VA17a, XLL+16, XT16, YP10, ZYPD08, ZYPC17, CSC08, HLKN07, Hsi00, JCP05, LM96, MPP00, MP07, SXZV13, WKR09, WSEA99, ZMTC13].

**Application-aware** [ZYPD08].

**Application-Driven** [YP10].

**application-oriented** [Hsi00].

**Application-Specific** [HKL+15, HMMG+20, HCZ+16, LPD+17, LHF12, LF12, RCK+15, TCL14, VA17a, CSC08, WKR09].

**Applications** [ACF+11, BFV15, BLUS19, ETAV18, EO19, HC17, HAB+17, LFS21, LDM20, MAS+20, MLH+17, NTA18, RS18, SBR+17, SVK17, SFM+19, SESN15, WDZG16, WI20, ZLL+16, CCC+09a, DCK09, DCK10, DPN02, DSH12, DVA02, HG07, KSS+09, KCA04, KFH+08, MHD+04, NT05, PDN97, SR12, VCLD03, VMP+00, WLL+11, WGI11, ZHM07, ZAZ13].

**Applying** [CHBK15, WPR+19].

**Approach** [DZS+18, DNT20, FG18, GYJ15, HS19, KRH18, LHF12, LMA+16, LTV+16, MDR15, ORG+15, Pom18a, RRHB21, SHD17, SGRG14, ADS+09, BD08, BMJ13, CBHK11, CHHL96, DDNAV04, DVA02, ETR07, GG04, GABP00, KSS+09, KJJK03, LFG+09, LC12, MSR09, MR96, NR01, SSP04, Vah02].

**Approaches** [HMMG+20, KTTO13, LCOM07, Tes02, WAZ08].

**approximability** [BCC08].

**Approximate** [GT21, JSS+19, MHA19, NRDB19, OHA19, PMP17, YBM+21].

**Approximating** [GD20].

**Approximation** [DHVW18, HWCL15, HCS01, YWK+03].

**Arbiter** [NSCM17].

**Arbitrary** [WJG+19].

**Arbitration** [AL19, IHM15].

**Architecting** [SABSA15].

**Architectural** [BRCS18, KGS+20, MA16, MLH+17, APB+08, CL99b, MDS06, VS12b].

**Architecture** [AJK+21, BMG17, CM20, CB01, DK16, HLG+15, JP12, LWZ+19, LYL+19, LYLW17, MD13, MDS06, MRL+19, MS17, P720, PCT+17, SHBD21, SSL17, WKL+18, WWC18, YKCG14, YMB15, YLP+13, CHY05, GM03, LCOM07, LTP10, SSC08, WTL+13, XZC09, YBE+21, ZYZ+13, RJL+09].

**Architecture-aware** [JP12].

**Architecture-level** [CB01, LTPT10, WTL+13].

**Architectures** [AMM+18, CPS16, GADG19, HWX+14, LM19, LLK+14, RBWB20, VS12a, ACT13, BD08, Cha01, CKAP07, CCL03, DP04, FS13, FRS97, GBK07, JBC+10, JLF+12, Kan06, KLS11, LP03, LLKY13, LYCP13, OCRS07,
PPDK09, QM12, WH05, ZM07, ZHTC09. 
Area [EO19, HS18, HCW*16, KKK12, KKLG15, SY07, SS14, TRM*16, TCL14, Yan16, DK08, GS00, HCS01, KL05, KNRK06, LC13, LCL08, MS00, SPMS02, SSP04, XPSE12, ZYZ*13, ZHTC09].
ARM [LLH*17]. ARM-Based [LLH*17]. ARM2 [HV98]. Array [CFD*16, KCKG16, RBWB20, SPC*15, AOC02, CZW00, LC13, LCL08, WV02, ZYZ*13]. array-based [CZW00]. Array-Style [CFD*16]. Arrays [HCW*16, TRM*16, AC06, CH02, CD96, LMB*12, PWY05, WAZ98]. Artificial [WXH*19].
Assertions [MDM*12, WLM12]. Assessed [LLLL18]. Assessed [NPH*20, RNR*21]. Assignment
[CK16, KLE18, LYCP17, LMS16, SV16, Yan16, Yan17, Yan20, BDB98, CCX06, CHH09, CPW04, CLYP09, KNDK96, Kuc03, LJV02, LCC11, LT11, VJBC07, WWG08, WLC09, XTW05, Yan11]. Assisted [CCMC20, GFJ16, HRC21, PTC*15, SMBT19, CSL*07, MBB01]. Assisting [MKV*18]. Assurance [XLY*18]. Assured [JSS*19].
Asymmetric [SBR*17, RAKK12]. Asynchronous [PMS15, TB20, WWW*12]. At-Speed [PTC*15, TPC*17, SXZV13]. ATM [RFY98]. ATPG [HCC01, MT02, SGK08]. Attack [BSP*19, Che18, JZG21, OK20, YBM*21, DDFR13]. Attacks [AYS20, CPK20, DZS*18, DHB16, HYK*20, JIR*21, LSCK20, LYM*20, MLH*17, RNR*21, ZLQ15, LWK11]. Attestation [CRT19]. Attributed [PRCK08].
Automata [BZ08, PSD21, KT01]. Automata-based [BZ08]. Automated [BPTB17, IE12, KLV15, GWR13]. Automatic [BFV15, CK96, CJLZ11, GD20, MS08, SHD17, Shi20, SRTG19, WKR09, ADS*09, KSS*09, LFG*09, TDE08, WWC04].
automating [HA05, RSR01]. Automation [ADB*19, CH10a, CPX14, CO18, DZS*18, GHRY19, HHH*21, JDD20, KLSZ09, PSD21, DTC*09, LOC12]. Automotive [HK18, KPB19, LZZSV15, LMS16, MPM*17, SRTG19, XLY*18].
Autonomous [ML09, STL*13]. Auxiliary [BDC08, CCQ98, Pie16]. Available [TEK18]. Average [ZLW*15]. Averaging [TWL16]. Avoid [WPR*19]. Avoiding [AL19, HLG*15, HGLC16, LLL18, WSRH16, XPZ*18, LYKW09]. award [GK09, QS11]. Aware [AKAKP18, BDBB19, BLUS19, CMP10, CET16, CJKK19, DNT20, DZ18, FYCT15, GVVJ15, HHH*17, HCW*16, KPF16, KW16, KPB19, LHW*17, LLL18, LHK*15, LZZSV15, LNG*16, LMS16, MT15, OT15, PBZM19, RS18, RCK*15, SYX12, TBCH17, WSH*18, WLLH16, Yan20, YYG*16, ZYPC17, ADP*07, CHH09, CLQ12, DD02, ETRO17, ENP20, FS13, GM08, GKM05, JHL02, JDD20, JP12, JCS*08, KPSW09, KJKK03, LC14, LZ21, MAS*20, MBD*20, MJM11, MHQ07, MKW08, OCK19, PSD21, PPDK09, RGM09, SSSG12, SBC08, SMYH07, SKS12, SNL12, TZ20, VG19, WH05, WPHL08, WLL*11, YYLL09, ZYDP08, ZYP09]. awareness [RL13].
B* [WCC03]. B*-trees [WCC03]. back [CCK+18, GABP00]. back-end [GABP00].
Backward [BS14b]. balanced [LLHT12].
Balancing [JIR+21, MT15], Band [WTR12]. Bandwidth
[KLK+17, BD08, GM03, LLKC13]. bank [CPW04, Kan06, SM00, Wu09]. banked [OK08]. Base [BSP+19]. Based
[APDC17, ALLE20, ANS+20, ASAP17, AVG19, AJK+21, AAA15, BHK17, BS14a, BD14, CPS16, CCH+15a, CAOM19, 
CLT+15, CZZY21, DLC+17, ETAV18, EO19, GDFT17, GHYR19, HCL+14, HWX+14, HLG+15, JHMG18, JPHL16, 
JM14, KGS+20, KC10, KLK+17, KMO+12, LLH+17, LG18, LDLM20, LS11, LHK+15, LLLL18, LH11, LPY+20, LGJ+14, LCC+15, 
LC+18, MCZ+16, MA16, MCD12, NSP+20, PIK20, PSNC18, PG15, Pom17a, Pom18b, Pom20, PY20, QBTM16, RS18, SV16, 
SMBT19, STGR15, TZ17, VEO16, WLZ+19, WCB15, WCQ+16, WWCT18, WFSS20, WC10, WL12, XS16, XCF18, YMB15, ZS16, 
ZHC+18, AHA+18, AM10, ADDM+13, BL100, BPBR+98, BC11, BBD00, BO90, BH10, B208, CLM+10, CNQ+13, CGN96, 
CW00, CFHM09, CH02, CBR+05, CD96, CH04, CFX09, CM13, CCL04, DP02, DCK09, DJP21, DDNAV04, DA02, EM03, 
EY12, FS13, GK14, GG99, GPH+09]. based [GD02, GBC07, GDF09, GPK+09, GH00, HDZ+20, HYK+20, HCK13, HWCL13, 
HFMB20, IYF+21, JZG21, JHJ21, JLF+12, KBN09, KK11, KNRK06, KSA+10, LC13, LB00, LKM04, LWC07, LCC11, LWZ+19, 
LDK99, LZZ1, LCHT02, LOC12, LWK11, LLLC13, LXWC20, LYM+20, MP07, MS21, MLC08, NAK20, OM08, OH19, OKC08, 
OK08, PSD21, PD100, PRCK08, PNB10, PR09, Pom14b, RL13, RS08, SW04, SGK08, SOC06, SC06, TN99, TBZ13, VGG19, 
VT02, WPR+19, WH20, WWC04, WC06, WSEA99, XAG+20, Yan00, Yan08, YCY09, ZHM07, AA17, PBZM19, CCQ08, CH00, 
MW97, MHT14, MWG97, PBSV+06]. basic [VMP+00]. Batch [LYL+19]. Battery 
[MRL+19, NSS+16, Rak09, SM16, CSAR+07, LCZ+08]. battery-powered [CSAR+07]. Bayesian [BLR06, PTS+20].
BDD [CCQ08, VKT02]. BDD-based [CCQ08, VKT02]. BDDs [BC16]. Beam 
[LZ17]. Behavior 
[CLMZ10, HXC+18, RGT+14, KRS06].
Behavior-Level [CLMZ10]. Behavioral 
[APD+11, AA17, CLMZ10, KHP05, Sch17, TN99, WV02, WHRC12, Fuj05, HLKN07, KSS+09, MRC06, VKK02]. behaviors 
[BG01, KW02]. benchmark [PSK08].
Benchmarking [JBC+10]. Benders 
[ETAV18]. best [GK09, Q11, SSCS10].
between [Fuj05, YRH11]. Beyond [CPX14].
Biased [JCK+18]. biasing [CFHM09].
BICS [RM09, RMB10]. BIFEST [LTH99].
Bifurcation [HHL14]. Binary
[SV07, BCR+08]. Binding [CET16, KK14, LH2F, ZLQ15, BD97, CLM+10, CXF09, DS06, HLKN07, MKK13, MJM11, XK97].
Bio [BTP+20]. Bio-chemical [BTP+20].
Bio-IP [BTP+20]. Biochemical 
[KGS+20, RCK+15]. Biochip [CPK20].
Biochips 
[GHYR19, KGS+20, LHC16, LSCK20, LKC+18, MGR+15, MWK21, PBWB21, RCK+15, RBWB20, SKS+18, SOC06, SC06].
bio-medical [APB+08]. Bipartitioning 
[RTN05, DPN02]. bipolar [ZY+13].
BIST [BBEM15, JNS+17, WC07, PKP+03, PGB01, SSGS03]. Bit 
[HHK+17, LYCP13, dLCR03, RMPJ08, RM09, RMB10, SBH+06]. bit-width 
[LYCP13, SBH+06]. Bits [SSO16].
Bitstream [HYK+20, OK20]. black 
[LAS01]. BLAS [CCYC14]. Block 
[CM19, CCYC14, CCK+18, DK16, ZLG+19, KRS06, LPP00, MDH+04, MS00, WCC03].
Block-level [CCYC14]. block-processing 
[LPP00]. Blockage [JD18]. Blockchain 
[IK19, XRS+19]. Blocks

[CAOM19, SYX12]. CNN [LYM+20].
CNN-based [LYM+20]. Co [CVMP19, Hua01, JSS+19, SKM+16, WWFT12].
Co-Simulation [SKM+16, WWFT12, CVMP19].
Co-synthesis [Hua01]. Co-Training [JSS+19].
coarse [KLSP11].
coarse-grained [KLSP11].
coherent [KI01].
Code [AMR00, AM98, CL99a, FHHR21, MLH+17, TY97, BH10, DHV+09, KMS12, KD9K6, KH10, LP03, LB00, LKTD98, LD99, OKC08, SR12, SBH+06, SM00, VMP+00, VLGG01].
Code-Injection [MLH+17]. code-motion [DHV+09].
codes [RM09, WHXZ13].
Codesign [BM11, CMM00, FIR+97, GABP00, GGB97, HKL+07, SCV06].
Coding [WZL+21].
Coexistence [BDBB19].
Cognition [HXC+18].
Coherence [HWX+14, LSL+13, ZYDP08].
Coherency [VS12b].
Collection [GSD+18, HCL+14, ZLW+15].
Collection-Induced [GSD+18]. colony [WZL+15].
Coloring [ZLY+15, CML98].
Combination [CD96, LD17, EMO03, KT96, Kos09, PR98, RJBS09, TN99].
Combinatorial [AM05, VHL04].
Combining [ETAV18, LFST21, SPG+08].
Combustion [ANR13].
Common [MPDG09]. Common [DHB16, LWC18, WLLH16, ZY9+13, HWCL13].
Common-Centroid [WLLH16].
common-centroid-based [HWCL13].
Common-source-line [ZYY+13].
Communication [CARH18, KPF16, SRTG19, YP10, ADS+09, GBK07, GG99, LCOM07, MOZ06, PPD09, PBSV+06, ZM07].
Compact [LIJ18, MAS16, WTR12, XWC12, HVF+01, YHL07].
Compacting [PL03].
Comparison [Pom15a, Pom15b, Pom20, EMO03, MHD+04, TBZ13, XLCL13]. comparative [MLG12, PB14]. Comparing [VGG19].
Comparisons [PKC+21]. compatible [SGK08, WWCO04].
Compensation [CFHM09].
Compilation [SM+19, SBH+06, YHL07, KLSP11, MSR09, VLGG01].
Compile [KNRK06].
Compile-time [KNRK06]. compiled [PHM00].
Compilers [YLL06]. Compiling [Edw03].
Complementary [QSW+15].
Complementation [Pom15a]. Complete [PDS12, AGM01]. complete- [AGM01].
completeness [LLYW10]. Complex [WTR12, TYH08]. Complex-Valued [WTR12].
Complexity [ASAP17, AL19, LTYW12, WYC10, BCC08, YCCG03].
Compliance [HC18, BGM04].
Component [LH14, PG15, RSR01]. Component-Based [PG15]. Component-Composition [LH14].
Composable [VGG19, WTL+13, HGBH09].
Composition [LH14]. Compositions [NSCM17]. compound [FLWC07].
Comprehensive [GSFT16, JNS+17, YFT17, ZBP18].
Compress [XWC12]. Compressed [PBL+17].
Compression [BLK14, KE16, BH10, JCS+08, LCT03, DK99, NT05, OKC08].
ComPSoc [HGBH09].
Computable [BFG17a, CV17, CARH18, KCKG16, MOZ06, Pom17a, BLM00, GMSS02, HLCH07, HW00, KAG05, WYIG07, YH97].
Computational [BCC08]. Computations [ENP20, ARLJH06, LPP00, PGB01].
Compute [TCP97].
Computing [BMdG17, CDB11, JSS+19, MHA19, NRDB19, SN10, WLH20, XGC+20].
...
Decompression [PBL+17]. Decoupling [SCK18, XLS15]. Deduction [DP02]. Deep [LYL+19, RNA+21]. Defect [XAG+20, ACT13, JT98]. Defect-level [JT98]. Defensive [PB12]. Defects [XLCL13]. Defending [YFT18]. Deficiency [DP02]. Defined [JHMGS18]. Definitions [BC16, Pom15c, ZCG+19, CCC+09a, VCLD03]. Deflection [LLKC13]. Degree [CT13, TP08]. Delay [FYCT15, JLJ15, JOH17, MCD12, STJJG16, XCW12, ZK15, BDB98, CFHM09, GS00, GMSSS02, HR06, KJKK03, LLHT12, MT02, MKW09, PT06, PMB10, PR98, PR96, RCD07, SC00, SSP04, TD03, WVV09, XLC13, XPS12, YH97, YHL+11]. Delay-area [XPSE12]. Delay-sensitivity-based [PMB10]. Delivery [XLS15, ZFLS11, ZLL13]. Demand [AAA15, SKS+18, WQC+16]. Demand-Based [WQC+16]. Demonstrable [SKS+18]. Describing [RHA08]. Descriptions [Fuj05, MWG97]. Design [ADB+19, ABC+17, AFM14, BJX15, BS14a, BZWW17, BS14c, BHLG19, CK19, CD09, CH10a, CH10b, CPX14, CHC+16, CRC15, CO18, DZS+18, DNT20, DHB16, EAP17, GdRJM21, GCZ+15, GHY19, HCRK11, HMMC+20, HLG+15, HHH+21, ISK21, JLWJ+03, JLK15, KKL15, KGS*20, KLSZ09, KLSZ11, KLV15, KKS16, LLP+16, LW17, LF12, LHK+15, LZZSV15, OT15, OHA19, PDS21, PMT20, PKC+21, PDS12, Poni4a, Poni6a, Poni8a, RFG20, RS18, SMBT19, Sch17, SBY*20, Shi20, SDP*09, SGGR14, SHBD21, SHN12, SESN15, SYX12, STGR15, TYSF20, TCL14, VGG19, VA17a, VE016, WWCT18, WPR*19, WSS*18, XPAR+21, XLS15, XNZ+15, YPCF17, YD16, ZLG+19, ZYS12, ACT13, AHL*08, APB*08, AMM*06, ADP*07, BC05, BW00, BFP08, BASB01, CWW96, CIB01, CSL*07, DRG98, DTC*09, EK07, FLW02, FLWC07, FW00, FR09, GPH*09, GM03, GABP00, H07, H05, HJ08]. Design-for-manufacturability [WPR*19]. Design-for-Testability [Pom16a, Pom18a, Pom14a]. Design-specific [ACT13]. Designed [KMO+12, SPT*17]. Designer [SS11]. Designing [BLNK14, DZS+18, HBC*08]. Designs [EK16, GD20, MACV14, PHK12, WWW+12, YVC14, Yan16, Yan17, ZK15, CH00, GM08, GOC02, HMB98, KI01, KK11, KHW06, LHW97, LCHT02, LLHT12, LAS01, LCKT12, MS00, MR96, RMK03, Sen11, SSCS10, SNL12, WTL+13, Yan11, ZMT13]. Destination [RL13]. Destination-based [RL13]. Detailed [GdRJM21, MJB19, CBHK11, PWY05]. Detection [CBO*18, HDZ*20, KOO18, LXWC20, LYM+20, LL19, LM21, Pom16b, Pom17a, VTC20, WH20, YFT17, ZHC*18, CR12, DHZ+11, FNP09, KIO1, KR98, KSA*10, LM05, PR07, RM09, SCCH08, TDE08]. Determined [Pom18a]. Deterministic [EY12, KBV+15, LB11, ZHC*21, KT01]. Deterministic-Path [ZHC*21]. Detour [YW09]. Detours [Yan19]. Developing [SMB05]. Development [THT12]. Developments [Lin97]. Device [GHY19]. Device-Based [GHY19]. Devices
GK14, GPH+09, KJT04, KSA+10, LLTP10, LHT12, MR05, VJBC07, KMR18. Dynamic[ly] [CRC15, JPHL16, Pom18a, RNR+21, ARLJH06, WLC02, YLL09]. dynamics [WHXZ13]. DYNASCORE [KMR18].

E-Beam [LZ17]. Early [PBL+17, SZB17, MKBS05, SYL09].

Early-Release [SZB17]. Easy [VS12].

EBL [YYG+16]. ECC [KRH18]. ECDSA [DHB16]. ECG [APB+08]. echo [FIR+97].

ECO [DVA02, LG12]. ECR [LTY12].

EDA [JHMGS18]. EDF [GDG+08, SZB17, WDZG16].

Edge [BPTB17, HS18, RS98]. edge-based [RS98].

Editor [Ano13, Hu20]. Editor-in-Chief [Ano13, Hu20].

Editorial [CH10b, CPX14, Dut05, Dut06, Dut07, Dut08c, Dut08a, Dut08b, Hu20, Irw00, MD13, Ped08, TK18, SJ02, Mar00].

Effect [LHW+17, NRS+16, WCC14, WSH+18, WSRH16, LTH99].

Effective [DS06, JPHL16, LCJ+10, LTW+16, LCL08, NAK20, PCT+17, XLY+18, XVC14, YLZ+17, LLP00, LSPC14, MHT14, SBC08, WSV+14, XCL13]. effectiveness [WAZ98].

Effects [BD98, BFL10, GC18, JIR+21, MRB+11, RJBS09]. Efficiency [KKLG15, LWC18, RB19, TCL14, WH19, KJT04, ZAZ13]. Efficient [AKAKP18, BS14a, BHDS09, BW00, CK19, CAOM19, CVY+14, DMR10, EO19, GADG19, GT21, GFJ16, HMB98, HAB+17, HKB+07, HCS01, HMMG+20, HG07, HWX+14, JSS+19, JLK15, KBN09, KC10, KWO2, LHLP16, LJ18, LDD+18, LHZ+06, LWZ+19, LZ21, LF12, LHCT05, LM96, LB11, MWS+20, MWK21, NTS18, PMP17, RM09, RGM15, SV16, SMBT19, SPC+15, SPMS02, SS14, SRC15, TLF16, TYSF20, VNS19, WKL+18, WJY+07, WWFT12, YPCF17, YCHT00, YP10, ZYW+18, ZLG+19, ARLJH06, CD09, Das09, FNP09, GM03, GBC07, IBMD07, JS13, JP08, KL05, LCD07, LH13, MR96, MR05, MP07, MWG97, SGD10, SLXZ12, SHN12, SVZ+12, VKKR02, Wu09, ZSZ10, ZYZ+13, Zho08].

Efficiently [RCG+08, TY19, ADM+13]. Eh [DKT+16, DBK+18]. Elastic [LYL+19, SZB17]. Electric [VA17b].

Electrical [BHLG19]. Electrical [BSP+19, CPX14, XRS+19, CH10a].


Eliminating [SHLL98]. Elimination [LHF12]. Elite [ZKS+16]. Embedded [BMdG17, BD14, BS14c, BM11, DFM15, EAP17, GAT+21, HCL+14, IK19, IGN18, JHJ21, KC10, LL15, LHL16, LHK+15, LL19, NSH+16, OHA19, PG15, RFG20, SPT+17, SL18, VBP+19, WHRC12, XPH+18, XPS+21, YP10, AM10, BPRR98, BH10, CSAHR07, CMM00, CSL+07, CM13, DCK07, DCK09, DRG98, GDTG07, GPH+09, GG04, GABP00, HKL+07, HV07, HCK13, IAI+09, JS13, KNDK96, LJV02, LCZ+08, LSD10, LB00, LMW99, LDK99, MB01, MDG98, ML09, NG06, NR03, PDN97, PDN00, PCD+01, PHM00, PEPP06, QS09, RSR01, SR12, SUC01, TKVN07, WA98, W096, XYZC09, ZYDP08, ZP08].

Embedding [CM18]. Embeddings [CM19].

Emerging [BRCS18, SN10, YPCF17, BC08].

Employing [GS13, ZK15]. emulated [THC+14]. Emulation [ALLE20, ADP+07, HMVG13, KRK08, MW97].

Enabled [XRS+19, YSF+18, LDD+19, LSL+13, YFT18]. Enabling [IK19, JS13, ZHM08].

Encoder [QSW+15]. Encoding [MDR15, OT15, PMP17, YMB15, ZLG+19, KJT04, EMG19].
LCD07, LWC07, NT05, RTNL05, YGZ04].

Encryption [Che18]. End
[ENP20, GABP00]. End-to-end [ENP20].

Endurance [CHC+16, CCK+18, HHK+17],
Energy [BFL10, DMR10, ENP20, GADG19, GT21, GFJ16, HX+18, JDD20, JSS+19, JPRL16, KC10, LDD+18, LF12, LWC18, LMA+16, MBD+20, MR05, NTSA18, PMP17, RH19, SPC+15, TLCF16, TYSF20, TBC17, WH05, WKL+18, XPX+18, XPX+21, YPCF17, YP10, ZHTC09, ZMS+19, ANR13, CSAHR07, CLQ12, GBC07, HG07, HW00, JS13, JCS+08, KSK+05, KR06, Kan06, KC13, KJR+07, LSL+13, LC07, MRC06, OK08, SLXZ12, SHN12, WLL+11, Wu09, ZAZ13].

Energy-Aware [TBCH17, ENP20, JDD20, MBD+20, WH05, JCS+08].

Energy-constrained [XPX+21].

Energy-Efficient [DMR10, GT21, GFJ16, JSS+19, KC10, LDD+18, LF12, NTS18, PMP17, SPC+15, TLCF16, TYSF20, WKL+18, YPCF17, MR05, SLXZ12, SHN12, Wu09].

Energy/thermal/cooling [ANR13].

Engine [LLL+18, TMDF10, CNQ13, DP02, DP04].

Engineering [AYS20, CM18, EAP17, GDFT17, WSS+18].

Engines [HKL+15]. Enhance [DLC+17, GS13]. Enhanced [CYH19, LKH19, Pom15a, TWL16, FWCL05].

enhancement [HWCL13, LCKT12].

Enhancements [Che18, PKC+21, ZAZ13].

Enhancing [CCK+18, NRDB19, PPP+15].

Enlarged [ZS16]. Ensemble [WB16, WH19, WHL20]. Enterprise [DKZ+15]. entries [LCT03]. enumerative [STJG16]. Environment
[RHN00, HKL+07, Hsi01, SCV06].

Environmentally [YBS+18].

EPGAs [YTHC97]. EPIC [AMR00]. ePlace [LCC+15]. Equal [Pom21b]. Equation [Shi20].

Equipment [GCL+16].

Equivalence [AA17, Fuji05, AGM01, HMB98, HCC01, KMS12]. Equivalent [Pom21b, MCMW08]. Era [HAB+17].

ERfair [NSH+16].

Error [LTYW12, LD17, LWC18, PB12, PHK12, PGCB16, TLCF16, WH20, KI01, KSA+10, RM09, SCCH08, VAAH+98, WHXZ13].

Error-Correcting [PGCB16].

Errors [DFM15, RJBS09]. Escape [JD18, Yan17, Yan18]. ESL [KSS+09].

Establishing [GSFT16]. establishment [AJM13].

Estimate [CM19, GS00]. Estimating [Meh98].

Estimation [APDC17, APS18, BZWZ17, LD17, NSP+20, PB12, SN02, TC98, WHX+19, ZLG+19, CIB01, DTC+09, FLPP09, HKV+07, JT98, KCA04, KN06, LMGW99, MHF96, ZSZ10].

estimators [XK97].

Ethernet [MAS+20].

evaluating [JBC+10]. Evaluation
[BBEM15, EBR+09, GD20, GQW19, HBPW14, IYF+21, LFST21, QBTM16, CHY05, JLF+12, LCOM07, PB14, SGJ96, WSV+14].

Event [KRL15, MCD12, RCD07, YH97, ZKS+16, CBR+05, HW00].

event-based [CBR+05]. event-driven [HW00]. Evolution [PSK08].

EWD [MPSJ07]. Exact
[EKS+14, Sch17, FLWC07, FNMS01, NR01].

Excitation [SOS15]. exclusive [DK08].

Execution [APDC17, GDD21, LSCK20, NRDB19, VGG19].

EXFI [BPR98].

exhaustive [CMB07]. Expansion [MS17]. experiment [FIR+97]. Experimental
[Cas04, AYM05]. Experiments
[LHK+15, BCC08, CIB01]. Experts
[TEK18].

Explaining [YYL+15]. explicit [EK97]. exploitation [GFC+09].

Exploiting [GSD+18, JLP+15, OT15, WKC12, WHXZ13, DSRV02, FW00, Kan06].

Exploration [HMMG+20, LLLL18, MA16, RFG20, RS18, Sch17, APB+08, CSL+07, EK97, JP08, KSS+09, LCOM07, MB01, MSD06, PB14, PPDK09, RJJ+09, SW12,


Flow-based [LCC11]. Flops [DSK01, MSKBD07, MS00, WYC10]. Flop [KMO+12, XCW12, LLC13]. Flops [HS18, KOS09, KSA+10]. Flow [FHHR21, HMO+14, IGN18, KKS16, MJB19, NPH+20, PKC+21, PDS12, QSW+15, RJ14, XPH+21, BF08, DTC+09, GDF09, KMS12, LC13, OM08, WC06]. Flow-Based [KGS+20]. Flows [JLJ15, VGG19]. Fluids [KGS+20, RCK+15]. Folded [AFM14, HS18]. Folding [Pom15b, BHS11, CG01, KOS09, Shi20]. Folded [AMM+06]. Forced [SR01]. Form [CW01, PR09, Shi20]. Formal [Ali12, BGM04, EW18b, FW00, HLY+20, HLHT08, HW14, JLF+12, KT96, KL05, KPH+08, LKM04, LIL+18, LM19, LZA+21, MW97, MA16, MP07, MS21, OK20, PSD21, PL98, PMT20, PSNC18, PY20, SAHF+20, TW96, ZLQ15, ZHTC09]. FPGA [AMM+18, ACT13, ALLE20, BS14c, BHS11, CWW06, CZW+03, CH00, DP02, EW18b, FW00, FHHR21, GPK+09, GVJ15, HABS15, HLY+20, HLHT08, HW14, JLF+12, KT96, KL05, KPH+08, LKM04, LIL+18, LM19, LZA+21, MW97, MA16, MP07, MS21, OK20, PSD21, PL98, PMT20, PSNC18, PY20, SAHF+20, TW96, ZLQ15, ZHTC09]. FPGA-based [MW97, ALLE20, PSNC18, DP02, GPK+09]. FPGA/FPIC [CZW+03]. FPGA/FPIC [CZW06, CEB06, CHY05, DVA02, GDG+08, KNKR06, LB11, MCZ+16, MLMM08, SPMS02, Tes02, VKT02, WG11, WLC02, WSEA99, YGH+10, YYL09]. FPIC [CZW+03]. Framework [DK16, DTF17, HRC21, JHH21, JSS+19, JPL16, KBP19, LL15, MBD+20, NPH+20, RG19, SKM+16, THT12, WLZ+19, WWFT12, XPH+21, YP10, ZLL+16, ADP+07, HR06, HV07, KKJ+08, KH10, MPSJ07, MP07, RPKC05, SB98, SBH+06, SS11, ZM07]. Free [RGM15, SBB+18, BLM06]. Frequencies [PL03]. Frequency [GC18, JPHL16, WR12, WGS16, GM08, JDT+08, LTPR+13, ML09]. Frequency-Flow [GC18]. Frequent [YGZ04]. FSM [AGM01]. FSMs [CK16]. fuel [LCZ+08]. fuel-cell-battery [LCZ+08]. Full [STWX12, HDL+12]. Full-Chip [STWX12]. Fundamentally [GW02]. Functionality [BFV15, HLCH07]. functionality-directed [HLCH07]. functions [BC11, CCQ98, TW96]. Fundamental [SBY+20, XLB017, Vae01]. FUNI [LIA00]. Future [HAB+17, KBV+15, ZZZY17]. FuzzRoute [RGM15].
Generation [MFS09, MN17, PKJK20, KT01].

**Guarante**e [MN17].

**Guaranteed** [PMS15].

**Guest** [CH10b, Mar00, SJ02].

**Guidance** [ZKS+16].

**Guided** [YVC14, RNR+21].

**Guidelines** [WPR+19].

**Guiding** [EW18a].

**Hamming** [HRK18].

**Handling** [DH06, GdRJM21].

**Hard** [CHBK15, WDZG16, PW99, QS09].

**hard/soft** [QS09].

**Hardened** [BS14c].

**hardness** [WYC10].

**Hardware-accelerated** [RB19, MLC08].

**Hardware-Assisted** [GFJ16].

**Hardware-Efficient** [ZLG+19].

**Hardware-Enabled** [YSF+18].

**Hardware-Software** [BM11, GGB97, HKL+07, LVL03].

**Harnessing** [RBWB20].

**Hashing** [CZYZW21].

**Heartbeat** [DHZ+11].

**Heartbeat-detection** [DHZ+11].

**Height** [CZZYW21].

**HeM** [AKJ+21].

**Heterogeneous** [AKJ+21, ETA18, GADG19, MB+20, RS18, SPT+17, SVK17, SSL17, SAL19, TBCH17, XPS+21, WB14, CL99a, HV07, KJR+07, LLY13, PTC05, QS09, SCB01, SKS12].

**Heterogeneously** [ZP08].

**Heuristic** [AKAKP18, HGLC16, CLM+10, LCKT12, OCRS07, SBGD13].

**heuristics** [TN99].

**Hidden** [HYK+20].
Hierarchical [CV17, JDD20, LMB+12, LJ18, MSKBD07, TZ17, WMT+16, WLH20, XT16, BG01, HKV+07, VKKR02, ZM07].

Hierarchy [CM19, FW00].

High [AKAKP18, Ali12, CET16, CK16, DKT+16, DBK+18, DLC+17, GHW+12, HIW15, ISK21, JD00, LLL+18, LYKW09, MACV14, NSP+20, PSD21, PTC05, RJ14, Sch17, SS14, VAAH+98, WMT+16, ZYW+18, ZLG+19, ACT13, AYM05, BHW+13, BD00, CCC+09a, GDTG07, GF06, GGDN04, GWR13, HJ08, JP08, KW02, KJT04, LJ09, Lin97, LFG+09, MKBS05, MJM11, MLMM08, NS03, OW06, OW08, PB14, RFYL98, SW12, SLXZ12, TC98, VKKR02, XK97, YWW10].

High-density [OW08].

High-Level [CET16, ISK21, RJ14, Sch17, SS14, JD00, NSP+20, PTC05, VAAH+98, AYM05, BD00, GGDN04, HJ08, JP08, KW02, LC14, Lin97, MKBS05, MJM11, MLMM08, PB14, RFYL98, SW12, TC98, VKKR02, XK97, YWW10].

High-Performance [DKT+16, DLC+17, LLL+18, WMT+16, GHW+12, LYKW09, GDTG07, GWR13, LJ02, LFG+09, NS03, SLXZ12].

High-quality [BHW+13].

High-speed [PSD21, OW06].

High-Throughput [HIW15].

Higher [BS14a, LYSO19, XPSE12].

History [JM14].

History-Based [JM14].

Hits [SAL19].

Hmap [YTHC97].

HMP [SPT+17].

hold [KSA+10].

hold-driven [KSA+10].

holding [Pom14a].

Hole [YLZ+17].

Holes [Pom21a].

Holistic [RGT+14].

Hop [AL19].

HoPE [PBL+17].

Hot [PBL+17].

Hot-Cacheline [PBL+17].

Hotspot [HDZ+20, LYM+20].

HPC [LZ+21].

Huffman [BH10, NT05, WZ+21].

Huffman-based [BH10].

huge [HCK13].

huge-scale [HCK13].

HVAC [JDD20].

HW [ADP+07, FLPP09, WWFT12].

HW-SW [ADP+07].

HW/SW [FLPP09, WWFT12].

Hybrid [BLNK14, GCL+16, HRC21, KKK12, LFST21, LZ17, LZ21, LYLW17, LV14, LGGJ14, MACV14, NAK20, PA21, SLXZ12, WSS+18, CLYP09, KT01, KKMB02, LCZ+08].

Hypercube [TMDF10].

I/O [LC13, Wu09, Yan16].

IC [ABC+17, AYS20, BHLG19, EK97, IK19, KKI1, KKH16, LCJ+10, Ped96, WCB15, WXH+19, WSS+18, XGC+20, ZLL13].

IC/MCM [EK97].

ICOS [HLC98].

ICs [CM18, CM19, CLT+15, GSFT16, LHJ12, LS17, PKC+21, THM15, WWCT18, YHH09].

IDDQ [TCP97].

Identification [VTC20, DNA+12, JWT+08].

identify [LIA00].

Idle [LC07].

Idleness [GSD+18].

IDs [SOS15].

II [JW08].

ILA [HIZ+19].

illegal [LIA00].

ILP [GBK07, MRC06, MWG97, OCRS07, OK08, SR12].

ILP-based [MWG97, OK08].

Image [GAT+21, RB19, WYIG07].

Imbalanced [HDZ+20].

Impact [GBK07, LDD+19, MDR15, RB19, TY19, XNZ+15, KTKO13].

Impacts [LHS+21].

implement [ADM+13].

Implementation [ANS+20, ALL17, HCRK11, JM14, KKLP15, MAS16, ORGD+15, ZABGZ17, CD09, JWL+03, KYN+12].

Implementing [HKL+15, KBA08].

Implication [WH20, WC06].

Implication-based [WH20].

implications [BLM00, DNA+12, GGBZ02, ZLL13].

Implicit [PT06].

Imprecise [ENP20, KKP+03].

Improve [KKLG15, Pom19b, WHXZ13].

Improved [HWGY16, KKLP15, LWC18, Giv06, LV02, PDN97, Vah99].

Improvement [JGM14, KMO+20, VLH98].

Improving [ALLE20, CL13, CHC+16, KRS06, KYL16, RAKK12, WDLD17, WSH+18, WH19].

In-Cache [BFG+18].

In-network [CXK+13].

In-Order [ZBP+18].

in-place [CKKG13, YWW10].

In-Scratchpad
Incomplete BPTB17, BRCS18, IGN18, JHMGS18, insertion/sizing KKMB02, LPD Index [BC16, HCL+14, HCK13], index-based [HCK13], Index-Resilient [BC16].

indexed [AC06], indexing [Giv06], indices [LCT03], indirectly [AC06]. Indoor [MK+18]. Induced [CIX15, GSD+18, LS19, RRHB21, TCW20]. Inductive [IPW+17, HMLL11, LXCH04]. Informative [HMO+14, NPH+20, RRHB21, ZBP18].

Informative [TEK18]. Initializability [CPR+02]. Initialization [WL12]. Injection [JIR+21, MLH+17, BPRR98]. Input [JK10, LV14, PIK20, Pom16a, Pom16c, Pom21b, SRC15, BD05, BH03, CCW08, KM97]. Outputs [Pom18a].

Insertion [HS19, LTW+16, PSD21, SHL+19, CW01, JHL02, LXCH04, LLHT12, LCL08].

insertion/sizing [CW01]. Instinctive [MK+18]. Instruction [HKL+15, HZS+19, KKM02, LPD+17, LCD07, LHF12, LF12, OT15, SEN05, TYSF20, AMR00, Hua01, KSK+05, KTK013, KHW06, LP03, LLHT03, LYP13, LMW99, WH05].

Instruction-Level [HZS+19, TYSF20, SEN05].

Instruction-Set [HKL+15, LP03].

Instructions [KAKSP16].

Instrumentation [FHHR21].

Instrumenting [MPG09]. Integer [ETAV18, TZ17, GH00].

integer-programming-based [GH00].

Integrate [LLH+17].

Integrate [HMLL11, HWX+14, HS19, JNCS19, KK14, KLE18, LZ21, NCP01, RGM15, SHD17, BWB14, LFG+09, XTW05]. Integrating [BMDG17]. Integration [APD+11, AKJ+21, BPTB17, BRCS18, IGN18, JHMGS18, TMDF10, YD16, DL11, LHZ+06, SSP04].

Integrity [FHR21, XRS+19, XZC09, YHH09].

Intricate [HR18, SCJ01].

Introducing [PG01].

Introduction [BC08, BJX15, CO18, CLQ12, Har05, HAW20, HJ08, JW08, LP07, Ped06, RW03, RBA+12].

Introspection [K101].

Intrusive [LL15, SL18].

Invariant [Pom18b, PL03].

Invariants [IPW17].

Inversion [LHW+17].

Inversion-Aware [LHW+17].

inverted [DH06].

Inverter [VE016].

Investigating [RB19].

Investigation [XLB17].

IO [Yan11].

IoT [CCM20, CARH18, XLB17, YFT17, YFT18].

IP [BTP+20, BVF15, ISK21, JHMGS18, SLP+19, SSGS03].

IP-Integration [JHMGS18].

IPs [GSFT16, LLH+17, LG18, Sch17, VBP+19].

Irregular [CKG16, CKG13].

ISAs [SBH+06].

Ising [MS21].

Ising-FPGA [MS21].

Island [LCY12, GM08].

Islands [JPH16].

Isolation [CCS15].

Issue [BJX15, HAW20, TK18, BC08, LP07, Ped06].
Ped11]. Iteration [CZZYW21]. Iterative
[KLV15, Yan20, DD02]. iTimerM [LJ18].

JAMS [KPB19]. JAMS-SG [KPB19].
Java [BHDS09, PSL98]. JETC [BC08].
JETC/TODAES [BC08]. Jitter [KPB19].
Jitter-Aware [KPB19]. Joint [BC08].
Jointly [CCK18, GY12, ZLW15].
Journal [SN10]. JPEG2000 [GFC09].

kEP [BCC08]. kEP-SOPs [BCC08]. kernel
[WK09]. Kernels [MLH17]. Key
[ISK21, JZG21]. Key-based [JZG21].
Key-Obfuscated [ISK21]. knapsack
[SBGD13]. Knowledge [EO19].
Knowledge- [EO19].

L [LM96, Meh98]. L-shaped [Meh98].
L-shapes [LM96]. L0 [KJR07]. L2
[SYX12, TYSF20]. lab [PGCB16].
Lab-on-Chip [PGCB16]. Lagrangian
[LGG14, PY20]. language
[MSD06, MLC08, PMS00, RH00].
languages [BGM04, Edw03, SSG12]. Large
[CK19, CSX+05, DNT20, JZY15, LYL+19,
YVC14, ZHC+21, AM10, DD02, HH09,
MRB+11, SCB01]. Large-Scale
[LYL+19, YVC14, CSX+05]. Last
[KLJ14, SABSA15, SAL19, CXK+13].
Last-Level [KLJ14, SABSA15, SAL19].
Latch [JNCS19, LCHT02]. latch-based
[LCHT02]. late [LG12]. Latencies [Sch17].
Latency [QBTM16, YKC14, ZYFC17,
PMT20, WHXZ13]. Latency-Minimal
[ZYP17]. Lattices [GSS14, HMO14].
Launch [Pom21b, PTC+15, WWW+12,
XCW12, WPHL08]. launch-off-shift
[WPHL08]. Launch-on-Capture [XCW12].
Launch-On-Shift
[PTC+15, Pom21b, WWW+12].
Launch-to-Capture [PTC+15]. Layer
[LYCP17, MWS+20, WL12, Yan17, Yan20,
CLYP09, DDNAV04, OW06, Yan00, Yan19].
Layout [CFD+16, DZ18, LZ17, LNCY18,
RCK+15, SPC+15, T20, WPHL08,
WPR+19, XK97, YLZ+17, ZLY+15, GS00,
GH00, KG09, WJY11]. Layout-Aware
[RCK+15, WPHL08]. Layout-driven
[XK97]. layouts [GFC+09, LM96]. Lazy
[LYL+15, ZLY+15]. Lazy-RTGC
[LYL+15]. LBNOC [PM020]. LDE [T20].
LDE-aware [T20]. LOs [SC18]. leaf
[dW97]. Leak [PCT+17]. Leakage
[CFHM09, DHB16, HYN15, JKK10, PIK20,
RH021, STW+12, SYHM14, SKP21, XTM16,
YYL09, ZBP18, CS07, CCW08, KOS09,
MLG12, YLL06]. Leakage-Aware
[SKP21, YLL09]. Learn [RG19]. Learned
[XFJ+16]. Learning
[ALLE20, CAOM19, CCMC20, DNT20,
EW18a, GT21, HDZ+20, HAW20,
HMMG+20, HXC+18, HFMB20, HHH+21,
IE12, LG18, LYHM14, MBD+20, NSP+20,
PJL14, RNA+21, PRP+21, SAHF+20,
TEK18, WH19, WLA20, WDLX21,
XAG+20, ZKS+16, ZHC+18, SLT+13].
Learning-Based
[LG18, HFMB20, XAG+20]. Least [JLJ15].
Legalization [CZZYW21]. Legalizer
[DBK+18, DBK+18]. length
[CCC09b, Con06, LCT03]. Lens [KPSW09].
Lessons [XFJ+16]. LET [WLZ+19].
LET-Based [WLZ+19]. Level
[CDB11, CET16, CLM20, DZZ+15,
HKL+15, HMO+14, HZ+19, ISK21, KLJ14,
LL15, LG18, LS11, PDS12, Pie16, RJ14,
SABSA15, Sch17, SS14, SAL19, TYSF20,
VTC20, WDLX17, AYM05, BDMM00, BD00,
CM19, CMC14, CIB01, CKE+13, Che96,
GM08, GG09, GS00, GGD04, HJ10, JDD0,
JR97, JP08, JK10, KRK29, KW02,
LC14, LLQ+03, LTP10, Lin97, MW97,
MOZ06, MKBS05, MT02, MMTM11, MLM08,
NSP+20, OCR07, PB14, PPDK09, PTC05,
Ped06, PBSV+06, RFY18, RFG20, SW12,
Sen11, SEN05, TC98, T99, Vah99,
VAAH+98, VKK02, VS1b, VBP+19,
WTL+13, XK97, YWW10, ZHM07, ZL13].
Leveling
[CCH+15a, CHC+16, Kha12, CD09].
levelized [KPR06]. Levels [BFL10]. LFSR
[KJT04, Pom17a, Pom18b]. LFSR-Based
[Pom17a, Pom18b]. Libraries [ACF+11].
Library [KRH18, KKS16, MCZ+16, BD97, DDNAV04, JD00]. Library-Based
[MCZ+16, DDNAV04].

Lifetime
[AAA15, DLC+17, WDL17, MHT14].
Lightweight [MPM+17, Pom18b].
Libraries [ACF+11]. Library [KRH18, KKS16, MCZ+16, BD97, DDNAV04, JD00]. Library-Based
[MCZ+16, DDNAV04].

Lightweight [MPM+17, NSCM17].
limitations [Voe01]. limited [LLKC13].
line [SNH02, ZYZ+13]. Linear
[ACFM12, ETAV18, MFHP12, TD17, DSIV02, KC98, LWK11, ST99]. Linking
[HRC21]. Links [KQP+19]. list [HCS01, MHD+04]. list-approximation [HCS01]. lists [HVF+01]. Lithographic
[LYM+20]. Lithography [HDZ+20, LZ+17, ZLY+15]. liveliness [MS08].

LLC [PBZM19]. LLCs [PBL+17]. Load
[CLC+19, LLHT12, Pom19a, Pom14b].
Load-balanced [LLHT12]. Local
[BM11, KC13]. Locality [LDLM20, MT15, TYSF20, ZFLS11, GFC+09, Kao06].
Locality-Aware [MT15]. Locality-Driven
[ZFLS11]. Localization [YYL+15].
localized [CMNQ08]. Locally
[PMS15, KC13]. Locked [IYF+21, JZG21].
Locking [BTP+20, Mit16].
[ISK21]. Logic [ALLE20, AYS20, BFL10, CBMM10, Che18, CZW19, ETAV18, EKS+14, HS18, HIW15, JZG21, KKH+02, KMO+12, LWZ+19, LWC18, PA21, SLP+19, WB16, WKC12, ZWD11, ARLJH06, BLM00, BDM+99, BOC00, CSKR05, CD96, GGBZ02, KJKK03, KMC97, KVMH08, LW06, MW97, RJB09, TW96, TN99, TJ99, VTK02, WVVY99, ZSO2, PRCK08].
Logic-Based [ETAV18]. logics [BD05].
long [SSP04]. long-path [SSP04].
Longevity [KBV+15]. Lookahead
[PMT20]. lookup [CH02, WSEA99]. Loop
[AA17, EO19, GDD21, LDLM20, SX+06, HKV+07, PCC09, XPSE12].
Loop-dominated [LDLM20]. Loops
[IFY+21, BG01, CL99a, KNDK96, SHLL98].
Lose [KBV+15]. Loss [WSRH16, KC13].
Losses [ZMS+19]. Low
[ACF+11, AYS20, ALL17, BPTB17, CH10b, CM08, CHHL96, CLMZ10, GBR07, GAT+21, HLKN07, HTCP13, LTYW12, LSL+13, LS17, MKK13, MACV14, PMT20, PBM10, Pom14b, RFB10, SESN15, TWL16, TMDF10, WGT+17, WPR+19, YKCG14, ZK15, BD00, BPRR98, CH10a, CCX06, DS06, GOC02, HLCH07, HCK13, JWL+03, KBN09, KKH+02, KIR+07, KHW06, KYN+12, LLHT03, LYP13, LHW97, ML09, RTNL05, SUC01, T99, YGZ04, ZYDP08, ZP08].
Low-Complexity [LTYW12]. low-cost
[BPRR98, HCK13]. Low-coverage
[WPR+19]. Low-energy [LS+13].
Low-Latency [YKCG14, PMT20].
Low-overhead [PBM10]. Low-Power
[ALL17, BPTB17, CH10b, CLMZ10, GBR07, GAT+21, LS17, TWL16, TMDF10, WGT+17, ZK15, CM08, HTCP13, MKK13, Pom14b, RFB10, BD00, CH10a, DS06, GOC02, HLCH07, JWL+03, KBN09, KKH+02, KHW06, KYN+12, LYP13, ML09, RTNL05, SUC01, ZYDP08, ZP08].
lower [LC96, TC98]. lower-bound [LC96].
Lowering [JL15]. LUT
[CD96, CH00, KNRK06, LKM04, VKT02].
LUT-based
[CH00, KNRK06, LKM04, VKT02].
LVLS [LBV+06].

MAC [BS14a]. Machine
[ALLE20, CAOM19, CCMC20, DNT20, EW18a, HAW20, HMMS+20, HXC+18, HHH+21, IE12, LYHL14, NSP+20, RPR+21, SAIF+20, XAG+20, ZHC+18, CK96, KMC97, MPM00, PHM00, MSR09].
Machine-Learning [ZHC+18]. Machines
[DMR10, BDC08, CHHL96, MS08, BHDS09].
Macro [LI18]. macrocell [CY05].
Macromodel [SHD17]. MAESTRO [RGT+14]. Main
[AAA15, BLNK14, NAK20, PBZM19].
Making [TCW20, XLN17]. Managed
[KLK+17]. Management
[ABC+17, BM11, CHB15, DLI+17,
DMR10, GCL+16, HC17, HFC+18, JPM+19,
KKLG15, LHW+17, LZA+21, MBD+20,
MD115, PJJ14, PBZM19, SKP21,
SAH+20, VA17b, WMT+16, WXH+19,
AHAKP08, ADDM+13, AMM+06, ANR13,
BHDS09, BM13, CLQ12, DS05, FHHG12,
GK14, HCK13, IBM07, LMB+12, STL+13].
Managing [TY19, BD08]. Manhattan
[DSKB03]. Manhattan-diagonal
[DSKB04]. manipulation [CCQ98, Zo08].
manufacturability [WPR+19].
Manufacturing [YCL+20]. Many
[CAOM19, SESN15, WMT+16, WDLX21,
ZHC+21]. Many-Core
[CAOM19, SESN15, WMT+16, WDLX21],
Manycore [AJK+21, KLK+17].
Manycore-Based [KLK+17]. mapper
[YTHC97]. Mapping [CPX16, ETA18,
GT21, HABS15, HAB+17, LFS17, VNS19,
XGC+20, ZYPC17, CSL+07, CH02, CH00,
CHY05, JP12, JD00, KL05, LKM04, MB01,
PL98, SSK12, WY06, WSEA09, ZS02].
Marching [CC+15a]. Marching-Based
[CCH+15a]. Markov [CB17]. Massively
[ZWD11]. Matched [LCY18]. Matching
[CLC20, MS17, THM15, WLIH16, ZLG+19,
BD97]. MATLAB [LPD+17]. matrices
[KVMH08]. Matrix
[CLT+15, CZZYW1, LXWC20, LKC+18].
Matrix-Based [LKC+18]. Maximization
[LM21]. Maximizing [HHK+17].
MaxSense [LM21]. Maze
[LLL18, JCGP05]. MCC [YYG+16].
MCEmu [TT12]. MCC [EK97].
MCMM [EK16]. McPAT [LLK+14].
MCUs [MB+11]. MDE [ORGD+15].
mean [Das04]. Measurement
[APDC17, CRT19, JB98, XAG+20, LG12].
Measurement-Based [APDC17].
Measurements [LFS17, LYSO19].
measuring [WAZ98]. Mechanical
[BHLG19, LT+16]. Mechanism
[QSW+15, SVK17, WQC+16, ZLC+15,
ZK15, WU09]. Mechanisms
[CBO+18, GBK17]. MEDA
[LSCK20, PBWB21]. memetic [LF+09].
Memories
[AAA15, DFM15, JSA18, SKP21, JD00,
MRB+11, NR03, OK08, RMB10, SPG+08].
Memory [BLNK14, BD04, CIP16, CCK+18,
CIX15, DFM15, JCK+18, JPM+19, KL11,
KKLG15, LHS20, LLP+16, LZW+19,
MWS+20, NAK20, PDN97, PPP+15,
PBZM19, RPR+21, SHBD21, SLSL,
TLCF16, TRM+16, TDFF10, WQC+16,
WDZG16, WFT+19, WSH16, WZL+21,
XNZ+15, ZLW+15, ZZCY17, AMM+06,
BD08, BHDS09, BGN+07, CPW04, CLY12,
HKV+07, IBM07, JCS+08, Kan06, KG09,
LSPC14, MB04, NDLCR03, OK08, PDM00,
PCD+01, SUC01, SM00, WH05, Wu09,
ZY+13, ZP08]. Memory-Based
[BD14, CPX16, LWZ+19].
memory-constrained [OKC08].
Memristive [XGC+20]. MEMS
[BHLG19, Kha12]. MEMS-IC [BHLG19].
Merging
[ASAP17, CZW19, TCL14, LLLC13, MBO04].
Mesh [JM14, K14, GHIW+12, RL3].
Message [Hu20, KPB19, DSH12, EY12].
message-passing-based [EY12].
metamodelling [MPJ07]. Method
[AKAP18, BZW17, CZZYW21, JSS+19,
LCC+15, RGM15, SRC15, STG15,
WTR12, WMT+16, WZL+21, YLZ+17,
ZYW+18, CGN96, CL99b, HW00, Kag05,
LH13, LDK00]. methodologies
[BW00, CEB06, MD13, SCS10].
Methodology [BFV15, EAP17, KKL15,
KJR+07, KMO13, LWZ+21, LZZSV15,
LLL18, NSP+20, VA17a, VEO16, VBP+19,
XP+21, AMM+06, DRG98, FLPP09,
HDL+12, HCLC98, Hsi00, KYN+12, NR03, PW99, SEN05, SMSB05, SZV+12.
Modulus-Based \[CZZYW21\]. Monitoring \[FYCT15, LL15, LHL16, LLH17, SL18, APB+08, CKX+13, CBR+05, KP13, WJY+07\]. Monitors \[VBP+19\].

Monolithic \[AJK+21, LDD+18, LDD+19, PKC+21\].

Monotone \[DPNB02, Monte \[GLY+12\].

Morphing \[RAKK12\].

MOS \[ZK15\].

MOSFET \[BFL10\].

Motes \[RFB10\].

Motion \[FG18, ZLG+19, DHV+00, KMS12\].

Movement \[HWGY16\].

MP \[CRC15\].

MPSoC \[BGN+07, GK14, KKJ+21, LDD+18, LDD+19, PKC+08, CXK+13, CBR+05, KP13, WJY+07\]. MPSoCs \[ADP+07, DJP21, LFST21, MRL+20, MHT14, RGT+14, SLS12, YP10\].

MRAM \[JZYZ15, SMBT19\].

MSG \[WY06\].

MTCMOS \[HLCH07\].

Multi \[BS14c, CYH19, ETAV18, HC17, JOH17, KGS+20, KLE18, LFST21, PBWB21, PY20, SFM+19, SBY+20, WFSS20, WDLX21, ZLY+15, CNQ13, HGBH09, HMB98, KOS09, MPSJ07, PB14, Pom14a, RAKK12, SZV+12, Wu09\].

Multi- \[KOS09\].

Multi-bank \[Wu09\].

Multicore \[BM11, CRC15, DFM15, HWX+14, JPHL16, KLSZ11, LS11, LHK+15, LMA+16, QBTM16, SPT+17, SAL19, THT12, WDZG16, XPF+21, BHW+13, CNQ13, DSH12, HDL+12, KP13, LTPT10, Ped11, QM12, SNL12, WTL+13\].

Multicycle \[Pom15a, Pom20, Pom13\].

multidimensional \[SBGD13\].

multidomain \[AM10, BMJ13\].

multifunctional \[AM10\].

Multiharmonic \[WGT+17\].

Multilayer \[KKHK16, LLLL18\].

Multilevel \[HBPW14, JZYZ15, PPL14, JCS+08, SGK08\].

multilevel-cell \[JCS+08\].

multimedia \[HKL+07, ZHM07, ZHOM08\].

multimetric \[HR06, RGM09\].

Multimode \[SSGS03\].

multiplane \[AJM13\].

multiple-choice \[SBGD13\].

multiple-project \[WSE99\].

Multiple- \[BM11\].

Multiple-Transient \[KRL15\].

Multiplexed \[LHC16, LM19\].

Multiplexer \[Pom18a\].

Multiplexing \[PY20\].

Multiplication \[GYT12\].

Multiplierless \[ACFM12, AFM14\].

multipliers \[RMPJ08\].

Multiprocessing \[ZM07\].

Multiprocessor \[CHBK15, CH17, JOH17, KFH+08, NSH+16, APB+08, DCK07, DCK09, DCK10, HCLC98, Kan06, MOZ06, WLL+11, WG11, ZAJ+12\].

Multiprocessors \[HAB+17, JGM14, KBV+15, PPL14, IAI+09, PTC05, ZYDP08\].

Multirate \[ZABGZ17\].

Multistage \[Shi20, LON08\].

multistandard \[CCC+09a\].

Multitarget \[SKS+18\].

multitasking \[NG06, PW99\].

mutater \[ZABGZ17\].

Multithread \[SYHL14\].

Multithreaded \[HPB11\].

Multiwire \[FW00\].

N \[RG19, PR07\].

N-detection \[PR07\].

NAND \[MWS+20, PPP+15, WQ+16, WZL+21, ZLY+15\].

Nanometer
[MS00]. Obviating [PBWB21]. Occupancy [ZHC+18]. Octilinear [HGLC16, Yan08]. Off [FG18, PDN00, RJL+09, WPHL08].
off-chip [PDN00]. Office [GCL+16].
Offline [MGR+15]. Offline [JMP+19].
offs [FHHG12, PCC09, WVYG99, WGDK07, XPSE12]. OLED [LKH19].
On-Chip [ALL17, JNS+17, JYZ15, SCK18, SMBT19, ZYP17, DNT20, LCOM07, PDN00, ZSZ10, ADS+09, CCL04, KP13, LH13, NR03, PPDK09, YLP+13, ZM07].
On-Demand [AAA15]. Once [CHBK15].
One [MWK21, XFI+16]. One-pass [MWK21]. Ones [PB12]. Online [MBD+20, ZAJ+12, ADDM+13, CSAHR07, RAKK12].
Only [CHBK15]. Opamp [Shi20]. OPC [TZZ0]. OPC-inclusive [TZZ0]. open [BCR+08, BD05]. open-source [BCR+08].
OpenCL [TL19]. Operating [TLW16, TL19, PMB10]. Operation [BPTB17, CLMZ10, GDTF17, MACV14, KJR+07].
Operations [BC16, LWZ+19, LXWC20, ARLJH06, BG01, HPK99].
operators [BD05]. opportunities [VCLD03]. Opposite [HCN09].
Opposite-phase [HCN09]. Optical [DZ18].
Optimal [ABC+17, BKW15, BASB01, Cha01, CXX06, CARH18, CH06, FG18, GSS14, HWC13, KNDK96, LCHT02, OW08, PL98, SCK18, TS96, TPC+17, ZW98, BW00, BMJ13, CACS05, CG06, CH00, DSK01, GH00, KCKG13, LH09, MKW08].
Optimization [ACFM12, BZWL17, BHLG19, CZW19, CYH19, CK16, DHVW18, DZCD15, GLY+12, GK07, HRC21, HLG+15, HS19, JPHL16, JNCS19, KKK12, KKS16, LFST21, LHC16, LZZW15, LH11, LYCP17, PTS+20, PPS+15, PY20, SMM+19, SYH14, SHBD21, SRTG19, SHL+19, TRM+16, WHRC12, WFSS20, WK12, WSRH16, WDXL21, BLM00, BDM+99, BdM00, BCC08, BDB98, BFP08, BOC00, BGN+07, CLLK06, CSCO8, CCC09b, CFX09, CJLZ11, Con06, DP02, GG04, GBC07, GDF09, GHW+12, HR06, HPK99, HG07, JPC06, KJKK03, KLSP11, KCKG13, KSA+10, LLHT03, LCHT02, LCO7, LLLC13, MBS05, MHT14, MKW09, MLG12, OM08, PCD+01, PEPP06, RGM09, RJBS09, SB98, SPA+03, THL+13, VKKR02, VHL04, WDGD07, WLL+11, XZC09, GK09].
optimizations [GGDN04, KRS06, SSG12, SC00, ZHTC09].
Optimized [ACF+11, BC05, HCRK11, MJB19, VA17b, ZABGZ17, ZYS12, KCA04, SY07].
Optimizer [LDLM20]. Optimizing [GYT12, KSK+05, LPP00, LAS01, RBWB20, SY08, ZLW+15]. optimum [Das04]. Oracle [RNR+21]. Oracle-guided [RNR+21]. Orchestrated [SAL19].
Orchestration [EW18a]. Order [DZCD15, KQ+19, LYS019, SXV13, ZBF18].
Ordered [JD18]. Ordering [AJM13, GKM05, LXCH04, MKW08]. organization [PDN97]. Oriented [CLC20, RGT+14, HCLC08, Hsi00, Hsi01, LH+06, Sen11, W096]. Orthogonal [GLY+12]. outbreak [FNP09]. Outcome [HFMB20]. Output [JM14, WSEA99].
Outputs [LHS20]. Overhead [AYS20, PKJK20, WLL+11, MHS07, PMB10].
ZFLS11, ZS16, ZWD11, CBHK11, CT13, Hsi00, Hsi01, KKJ’08, KH10, LM05, LH09, RMPJ08, TW96, ZCG06, KLSZ09.

parallel-programming [KKJ’08], Parallelism [HC18, DSRV02].

Parallelization [LH11, ZLL+16].


Parameterized [LTPT10, CT13, TP08].

Parameters [BBEM15, BHLG19, KPR06].

Parametric [BFG17a, LON08, LCKT12].

Parasitic [LZ21, WLLH16].

Parasitic-Aware [WLLH16, LZ21], parity [RMB10]. PARR [XYG+16], parser [MLC08]. Partial [KQP+19, MCZ+16, ETR07, GDG+08, KB09, KJ04].

Partially [Pom16c, Pom18b, SSC17, LSDV10, YYLG09]. Particle [HLG+15, FS13]. Partition [WDLD17, ZLL+16, CFHM09, WY06]. partition-based [CFHM09].

Partition-Level [WDLD17]. Partitioned [WDZJ16, FWCL05]. Partitioning [CP16, LSDV10, SS14, SRTG19, TBCH17, TP08, Val10, AM10, AO05, CT13, CILJ11, DCK07, DD02, FW00, GF10, LKYY13, LV011, MSKBD07, ML09, PDN00, VHL98, Vah99, WY06, YCG+10].

Partitions [ZS16]. pass [BBW14, MWK21]. pass-fail [BBW14]. passing [DHS12, EY12].

Passive [DHB16, EO19]. Path [AKAP18, CV17, FYCT15, KPF16, LVS16, LLL18, MCD12, PSD21, STJG16, TD03, ZHC+21, ETR07, LC14, PT06, PMB10, SHL98, SSP04, XLCL13, Yan08].

Path-Assessed [LLLL18]. Path-Aware [AKAP18]. Path-Driven [LV16]. Paths [GC18, BK00, PGB01]. Pattern [BK15, CCK+18, NPH+20, BH03, FNMS01, OKC08]. pattern-based [OKC08].

Patterning [LZ17, SHL+19, XYG+16, YLZ+17, ZLY+15].


PeaPaw [TBCH17]. Pegged [IK19].

Penalty [JK10], per-Task [LMA+16]. per-word [RMB10]. Performance [Ali12, BG01, BDBB19, CCS15, DKT+16, DBK+18, DLC+17, DDK+15, FG18, AK14, GDD21, HWCL15, KLYL16, LH10, LDD+18, LMW99, LLL+18, LS19, LTPR+13, NRZ+18, QBTM16, SYX12, TBCH17, TRM+16, TK18, HTH12, NH+14, WS06, WM+16, WLC02, WLC10, Yan16, YP10, ZLW+15, CL13, DP02, EK97, FLPP09, GDTG07, Giv06, GOC02, GWH+12, GWR13, HNL+12, LJC96, LJV02, LKY09, LRG+09, LIV02, NS03, PON97, RAKK12, SLXZ12, VHL98, WWG08, ZHM07].

Performance-Aware [BB01]. Performance-constrained [BG01].

Performance-Driven [GDD21, HWCL15, Yan16, GKH14, WY06, WLC02, EK97].

Performance-Efficient [YP10].

performance/power [ZH07].

Performance/Thermal [SYX12].

Performance/Thermal-Aware [SYX12].

Period [HYN15, BDBB19, GCO96, PL98].

Periodic [CHBK15, Pom16c, SBY+20].

Perpendicular [RPR+21]. Perspective [RJ14, SS14, MOZ06, ZHM08].

Perspectives [YBM+21]. Perturbation [LYM+20].

Pharmaceutical [YSF+18].

Phase [BLNK14, IYF+21, JS18, KSA+10, LLP+16, CR12, HMB98, HCH09, KAG05, RAKK12].

Phase-adjustable [KSA+10].

Phase-Change [LLP+16].

Phenomena [ADB+19].

Physical [CO18, HLT08, PKC+21, SKM+16, YD16, GWR13, HMV13, MLG12, SYL90].
Piecewise [HPW14]. Pin [XYG+16, Yan20, OWH08, XTW05]. Pin-Access [XYG+16]. Pipeline [CRC15, RPCK05]. Pipelined [CHBK15, LF12, MRL+20, Hua01, MS08, MD08, NS03, RTNL05, YGH+10]. pipelines [HA05]. Pipelining [AA17, KLV15, BG01, BASB01, CACS05, CL99a, HV98]. place [KCKG13, YWW10]. Placement [DK16, HWGY16, HWCL15, JNCS19, KRL15, LLL+18, LNG+16, LCC+15, LB11, MCZ+16, MJB19, PSD21, SAHF+20, TRM+16, WSH+18, WSRH16, WLLH16, WDLX21, YVC14, ZSY18, AM05, ACT13, CBHK11, CACS05, CC06, CSX+05, EK97, KPSW09, LCK+09, OS03, RS03, SC06, Tes02, TY97, VLIH04, WLC02, WCC03, WL08, YWK+03]. placements [HWCL13]. Planar [DPNB02]. Planning [XYG+16, YYG+16, LC13, LHZ+06, MKBS05, SBC08, XTW05]. PLAs [LWH06]. Platform [APD+11, IGN18, VGG19, FNP09, JCS+08, RFB10, ZHM07, PBSV+06]. Platform-aware [VGG19]. platform-based [ZHM07, PBSV+06]. Platforms [BS14c, ETAV18, LS11, LMS16, MBD+20, RS18, TBCH17, VGG19, WZG16, YPCF17, BMJ13, CNQ+13, JW08, LP07, MPDG09]. Playing [RJL+09]. PMC [CLH12, CCH15b, CH13]. PMU [APD+11]. Point [ALL17, BS14a, BFL10, SRC15, XNZ+15, AM08, CPW04, DPNB02, LCOM07, WG11, WFT+19, Yan08]. point-to-point [LCOM07]. points [PMB10, Pom13, TD03]. Poisson [QSK12]. Polar [JNS+17]. polynomials [CHH09, LT11]. Policies [DZCD15, Kha12]. policy [CKX+13]. Polishing [LTW+16]. Pollution [DJP21]. polygon [LLM01]. polygons [CT13, LM96, TP08]. Polymerase [LHC16]. polymorphic [LLYW10]. polynomial [GK07, GK09]. Polynomials [GLY+12]. port [CL13, SBC08]. port-scalable [SBC08]. portable [LCZ+08, Rak09]. Portion [GD20]. POSE [Hsi01]. Positioning [HK18]. Post [GDD21, PTS+20]. Post-Processing [GDD21]. Post-silicon [PTS+20]. Postlayout [CLL06]. Postplacement [CMB07, LCY12, WWG08, XLL+16]. Postscheduling [HHG12]. Postsilicon [MKK13]. Power [ACF+11, ALL17, BLM00, BS14b, BM11, BPTB17, CMP10, CH10b, CHBK15, CXH+16, CLMZ10, DLC+17, DNT20, GB07, GCL+16, GAT+21, HPK99, HY15, JIR+21, JLC15, KHHK16, LG18, LMK04, LYLH14, LLK+14, LHJ12, LKH+15, LKH19, LS17, MAS16, MKW09, MN17, NPH+20, NSP+20, PJL14, Ped96, PTC+15, SCK18, SC00, SBC08, SYHL14, SSSC10, SESN15, TWL16, TRM+16, TMDT10, TCL14, VNS19, WYYG99, WGT+17, WC10, WSRH16, XLS15, ZFLS11, ZK15, ZS16, ZMTC13, AHAKP08, BDM+99, BD00, BD00, BMJ13, BBD00, CS07, CH10a, CM08, CIB01, CCX06, CCW08, CHHL96, CCC09b, CJLZ11, CLQ12, DS06, DTC+09, ETR07, GOC02, GFD09, GF10, GS13, HR06, HLCHO7, HLHT08, HTPC13, JAW+03, KBN09, KKH+02, KOS09, KC13, KWW06, KYN+12, LMB+12, LLHT03, LYP13, LH+17, LBV+06, LHW97, MKK13, MRC06, MKW08, MLG12, MFS09, ML09, NT05]. power [PPDK09, Pom14b, PWB05, PR96, RF10, RTNL05, STL+13, SUC01, SPSM02, SNL12, SZV+12, TKV07, T099, THC+14, WJY+07, YHL+11, YGZ04, YLL06, YHL07, YHH09, ZHM07, ZZD08, ZP08, ZYP09]. Power-Aware [LHK+15, SBC08, SNL12]. Power-delay [MKW09, SC00, WYYG99]. Power-density [ZYP09]. Power-Efficient [JLKi15, SZV+12]. Power-Gating [KKHK16, YHL07]. Power-optimal [ZHM07, ZYP09].
Practical [CPK20, Pie16, VJBC07]. Practice [MDM+12, SSCS10]. PRAM [KYL16]. PREASC [GD20].
Predicting [LHS20]. Prediction [CS07, DNT20, DKZ+15, FG18, HWX+14, JGM14, LPY+20, PBL+17, SAHF+20, CR12, OM08, SYL09].
Prediction-based [OM08]. Predictive [AVG19, HW00, TKVN07]. Preemptive [IHM15, SSC17, GDG+08]. Preface [YD16].
Preferred [Pom18a]. Prefetching [DJP21, LV02]. prefix [LH09, ZCG06].
Preparation [PGCB16, PBWB21, RCK+15, SKS+18]. prescribed [DSRV02]. Presence [EKS+14, MCMW08]. Preserving [HK18].
Principles [SBY+20, Ped06]. Print [DZCD15]. Printed [GDTF17, OW06].
Priority [IHM15, KPF16, LMS16, WDZG16, MHQ07]. Priority-Aware [KPF16].
Priority-Preemptive [IHM15]. Privacy [HK18]. Proactive [KBV+15].
Probabilistic [APS18, CKAP07, CB17, GQW19, KW16, KVMH08, BLR06, FZK11]. Probe [Kha12, BC05].
Probe-Wear [Kha12]. problem [DPNB02, DS06, FNMS01, LVL03, NR01, PDN00, SW99, YWW10]. problems [SB98, WGDK07].
Procedure [Vah99]. Process [AKAKP18, BHLG19, GC18, LWZ+19, RJ14, VEO16, CS07, GM08, KTKO13, KPR06, LG12, LH13, LTPR+13].
Process-in-memory [LWZ+19]. processes [JB98]. Processing [BM11, GFJ16, GDD21, LYL+19, MFHP12, HMVG13, JSG09, LPP00, NM13, TYH08, ZHOM08].
Processor [HKL+15, ISE08, LHLP16, LYLH14, LF12, NSH+16, NRZ+18, OHA19, SPT+17, VLG01, DHZ+11, GGO4, Giv06, HGBH09, KBA08, LMB+12, OCRS07, PDK97, PDN00, RFB10, SGD10, WKR09].
processor-based [PDN00]. Processors [CRC15, JZYZ15, KAKSP16, KLK+17, KLJ14, LPD+17, LHF12, TY19, BH10, CL99a, CPW04, Edw03, Hu01, KJR+07, LJ02, LCD07, LB00, MD08, PHM00, RAKK12, SR12, TKVN07, LSV06].
Programmable [GHYR19, WSS+18, ZK15, CH02, CD06, LSPC14, MSD06, PTC05, PWY05, WV02].
Programming [ETAV18, KLSZ14, TZ17, WLZ+19, ADDM+13, GH00, KLSZ09, KKJ+08, TP08, WJY11].
programming-based [ADDM+13].
Programs [PMS15, SYHL14, EY12, Vah02, YWGI09]. Progressive [KC10]. project [WL08].
projective [DL11]. Prolonging [AAA15].
Proof [CCMC20, IPWW17].
Proof-Carrying [IPWW17]. Propagation [AL19, MCD12, KPR06, RCD07, YH97].
Properties [CVMP19, HBPW14, RGT+14, WFT+19, BDC08, BH03, BFP08, BZ08].
property [KHP05]. Protect [MLH+17]. protected [LSDV10, RM10].
Protecting [DFMN15, GSFT16, YBS+18]. Protection [GDTF17, SLP+19, KHP05]. protocol [ADS+09, BGM04, DP04]. prototype [APB+08].
Prototyping [ARLJH06, ORGD+15, JDT+08]. Provably [ADS+09, Das09, YWK+03]. Provide


ReChannel [RHA08]. Recognition [GFJ16]. Recompilation [GF10].


Rectilinear [GC96]. LLLL18. WCC03. LYK10. MHD+04. MS00. OWH08].

cursive [LC96]. Recycling [TC20].


Redundancy [CJJK19]. JKL15. CMN08]. Redundant [KMO+12]. SFL+19. PGB01].

Reference [AOC02]. reference [SM00]. refinement [CLM+10]. GGB97. MS08. MOZ06]. refit [DVA02]. Refresh [CJKK19]. LSL+13]. Region [BZW17]. Regions [JCK+18].
Register [GF10, HWCL15, LHF12, MHF96, TLCF16, WKL+18, XLL+16, CACS05, CFX09, HCN09, KI01, KNDK96, LWK11, VKKR02, ZYP09]. register-file [CFX09].


Reliability [APS18, CET16, CCK+18, KMO+12, LHJ12, PPF+15, RMB10, TK18, WXH+19, XLY+18, GS13, JS13, KVMH08, LH13, PPP+15, RMB10, TK18, WXH+19, XLY+18, GS13, JS13, KVMH08, LH13, ZAZ13].

Reliability-Aware [CET16].

Reliability-Driven [LHJ12]. Reliable [BJX15, GC18, JPCJ06, MACV14, WZL+21, XCF18, XNZ+15]. relocation [LLLC13].

Remote [CRT19, KOO18, KC10]. Removal [MGR+15, CMNQ08]. reorder [WPHL08].

Reordering [WC10, GFC+09, Hua01, PR96].

Reorganizing [JCK+18]. Repair [CJJK19, KMO+12, PSNC18, MRMP08, NR03].

Repairable [KMO+12]. repeating [LWC07]. Replacement [CZW19, JCK+18, CCW08]. Replay [ZLQ15, EY12]. Replication [DFM15].

representation [CCQ98, YYC09]. Representations [KQP+19, YCCG03].

Representative [FYCT15, PKJK20].


Resistance [KYL16]. Resistant [Kha12].

Resistive [EBR+09, LWZ+19, TLCF16, WFT+19, XNZ+15, LLQ+03, SKCM06]. resolving [Das09]. Resource [CET16, DK08, FS13, HC17, KK14, LF12, MBD+20, TIC14, WGI11, WLI20, WGS16, BDB98, CFX09, HLK907, Kuc03, LSDV10, MKK13, MJM11, NR01, WGDK07, YWW10, ZHOM08, KMR18].

Resource-aware [FS13].

Resource-constrained [WG11, WLH20, LSDV10, NR01, ZHOM08].

Resources [JNS+17, PGB01]. Response [CH17, PMS15, SO16, DC07, SCJ01].

Responses [XCW12]. Restore [ZZCY17]. results [AYM05]. Resynthesis [WPR+19].

Retargetable [PHM00, AMR00, KKJ+08, VLGG01].

Retargeting [DZ18, WJYZ11]. Retention [CJJK19]. reticle [WLT08]. Retiming [BOC00, HMB98, HLHT08, SSP04, Zho08].

Retiming-based [BOC00]. Retracing [LLLL18].

Reuse [AC06, BFP08, LDM20, NAK20, OHA19, IBMD07, LSPC14, RSR01, VCLD03].


Rewarding [TEK18]. Rewiring [LTYW12, CMB07]. rewriting [ARLJH06]. rewriting-logic [ARLJH06]. RF [BBEM15, HCZ+16, LYSO19, LZ21, PSTS+20].

RF-Interconnect [HCZ+16]. RF/Analog [LYSO19].

RFID [DTC+09, YFT18, YBS+18].

RFID-Enabled [YFT18]. rhythms [GS13].

rich [SHBD21]. right [MR96]. ring [GK07, G909]. Ripple [HWGY16]. rISAs [SBH+06]. RISC [HV98, ZBPP08]. risk [DS50]. river [ZW98]. RL [NT05].

RL-Huffman [NT05]. RLC [MN17].
Robust [BJX15, CZZYW21, DZ18, GCZ+15, MCD12, PBWB21, STGR15, TLCF16, ZK15, CLYP09, ST99].

Robustness [BHLG19].

Role [CK19].

rotary [TDF+09].

Routability [BHLG19].

role [BHLG19].

Routability-Driven [AMM+18, HWGY16, SAHF+20].

Routable [LCYN18].

Router [PMT20, TCL14, XS16, CLYP09, JCGP05, MLC08, TDF+09, wATkK02].

Routers [JM14].

Routing [CLC20, GdRJM21, GKM05, JD18, LHJ12, LLLL18, LKC+18, MAS+20, MCZ+16, RGM15, RBWB20, TZ17, TZ20, WLLH16, XYG+16, Yan18, Yan19, Yan20, ZHC+21, CZW00, CDTK98, DSKB04, DVA02, GMN+13, LLKC13, LCC11, LCL+10, MW97, OW06, OHW08, RL13, SMYH07, Yan00, YY09, Yan11, YMC+13, YCHT00, ZWS98, ZHTC09].

Routing-aware [GKM05].

Routing-Based [LLL18].

Row [SAL19, LC13].

row-based [LC13].

Row-Buffer [SAL19].

RRAM [LXWC20].

RRAM-based [LXWC20].

RTGC [ZLW+15].

RTL [BK00, BBD00, BFV15, Fuj05, GS00, ISK21, LV14, PGB01, PSK08, PIK20, WLM21, XH97].

Rule [GdRJM21, KMO+12, MS17, VNS19, RS08].

Run [DP02, HMLL11].

Run-time [DP02, HMLL11].

Runtime [BH+W+13, LL15, NRZ+18, VTC20, WX+19, ADDM+13, GFC+09, GDG+08, HW14, RCG+08, SKS12, WJY+07, YGH+10].

runtime-reconfigurable [GDG+08].

safe [ZMT13].

Safety [MN17, XLY+18, MS08].

Salsa20 [MAS16].

Sample [PGC16, PBWB21, ZKS+16].

Sampling [WTR12, ZYW+18].

SAT [CLM+10, Che18, CVY+14, DP02, RCD07, SGK08].

SAT-based [CLM+10, SGK08].

Satisfiability [BR12, GMSSS02, OK20, PG15, GPK+09, HSA+04].

satisfying [QS09].

saturation [CCL03].

saving [HW00].

Savings [LKH19].

Scale [AA17, KL+17, PCL14, SESN15, SKM+16, HG07, KCK13, SBC08, SBGD13, WSV+14].

Scalable-Throughput [SESN15].

Scale [DNT20, HC17, LYL+19, YVC14, ZHC+21, CSX+05, HCK13, KBA08].

Scaled [PHKW12].

Scaling [HC17].

Scan [BK15, KMO+12, LW07, LWK11, PSD21, Pom16b, Pom16c, Pom17b, RNR+21, WC10, WWW+12, XW12, DDFR13, GKM05, KBN09, NT05, PR09, PR11, RMK03, SSGS03, TYH08, WPH08].

Scan-based [LWK11, KBN09, PR09].

Scan-BIST [LW07].

Scan-Cell [WC10].

Scan-In [Pom16c].

Scan-Shift [WC10].

scanline [CT13].

Scenario [BLUS19, DCK09, EK16, KW16, GPH+09].

Scenario-Aware [BLUS19, KW16].

Scenario-based [DKC09].

Scenarios [NRZ+18, SPX+08].

Schedulability [GDG+08].

Schedule [SGC+14].

Scheduler [NSH+16, JP08].

Schedules [GDD21, DSRC02, LC96].

Scheduling [ABC+17, BB17, BDBB19, CACS05, CIX15, ENP20, JOH17, KPB19, LHW07, MAS+20, PMS15, SSE17, SAL19, ZSB17, WCB15, WDC16, WWCT18, WJG+19, XPX+21, CLM+10, CGLZ11, DS05, DHV+00, GBC07, HN07, JR97, KW02, Kuc03, LLHT03, MKBS05, MJ1M11, MHQ07, MR05, MGW97, NR01, RCG+08, SX+06, TC98, WH05, WGD07, YWW10, YGH+10, YUL09].

schematic [KG09].

Scheme [BM11, JDD20, KKL15, KLC+17, LTYW12, WHRC12, WH20, XS16, HCK13, KSA+10, XCL13].

Schemes [MGR+15, CSC08, KCK13].

Score [XLL+16].

scratch [IBM07].

scratch-pad [IBM07].

Scratchpad [CPS16, DFM15, BD14].

SCRIPT [NPH+20].

Scrubbing [SVK17].

Search
Search-space [RFG20]. Searching
[DK16, SYZ08]. Section [BMdG17, CO18, KLSZ11, YD16, CH10a, CLQ12, HJ08, JW08, KLSZ09, MD13, RBA+12]. Security
[BHK17, LSC20, YCL+20, HBC+08, ISE08, HRK18]. Security
[CM20, CPK20, GQW19, HMO+14, LHLP16, LZZV15, LMS16, MAS+20, MPM+17, NSCM17, RNR+21, SLP+19, TK18, WLM21, YSF+18, YBM+21, DP04, IAI+09]. Security-Aware
[LZZV15, LMS16, MAS+20]. Seeds
[Pom17a]. Segment [WL12]. Segment-Based [WL12]. Segmented
[HSA+04, JWL+03, YCHT00]. Select
[Pom18a]. Selection
[AKAP18, CV17, FYCT15, GC18, JM14, KPF16, STJG16, ZKS+16, CGN96, CCC09b, LB00, PMB10, VLG01, XLCLI3]. Selective
[Mut09, NRDB19, LCT03, WY06]. selectively [BD00]. Self
[CR19, EO19, IYF+21, PIK20, SBB+18, SHL+19, WCB15, XYG+16, SEN05, SZV+12]. Self-Aligned
[SHL+19, XYG+16]. Self-Measurement
[CR19]. Self-Similarity
[PIK20]. Self-Test
[EO19, SBB+18, WCB15, IYF+21]. self-testing [SEN05]. self-tuning
[SZV+12]. Semantic [Pie16]. Semantics
[KC98]. Sense [ADB+19]. Sensing
[LSC20, LTH99, WJY+07]. Sensitive
[YBS+18]. Sensitivity
[LM21, LON08, PMB10, ST99]. Sensor
[CCMC20, NSS+16, PDS12, ZHC+18, DHZ+11, JSG09, LCK+09, RFB10, ZSZ10]. sensor-driven [ZSZ10]. Sensors
[FG18, RG19, YHL+11]. Separation
[EK16]. sequence [GF06, LC07, MMP00]. Sequences
[PKJK20, Pom15b, Pom15c, Pom17b, Pom18a, KT01, LWC07, PL03, PR11]. Sequential
[LV16, LD17, SPA+03, WK12, BLR06, BOC00, Che96, CPR+02, Edw03, HFV+01, HRP00, HCC01, JB98, KT96, KOS09, MMP00, PL98, SNH02, Vah02, YWGI09]. sequentially [LIA00]. SER [LD17]. Serial
[PMP17]. Serialized [KH10]. Series
[TW06]. Series-parallel [TW96]. server
[dW97]. servers [ANR13]. Service
[DKZ+15, AHAK08, CBR+05]. Service-Level [DKZ+15]. Set
[HKL+15, LPD+17, LHF12, LF12, MCD12, OT15, Pom19b, DPB02, Hua01, LP03, LCD07, LLYW10]. Sets
[Pom16b, YRH11, PR07, TCP97]. SEU
[JL16+12]. SG [KPB19]. SHAIP [HR18]. Shannon
[GBR07]. shaped [Meh98]. shapes
[LM96]. Shaping [KLK+17]. Share
[RG19]. Share-n-Learn [RG19]. Shared
[KLJ14, SHBD21, ZAZ13]. Sharing
[LF12, RG19, TML14, WGHz16, BDB08, DK08, SHL08], shield [LXCHO4]. shielding [Mut09]. Shift
[Pom21b, PTC+15, WC10, WWW+12, LWK11, WPHL08]. shifter [Kag05]. Shifts [LS19]. short
[SSP04]. short-path [SSP04]. Shuffling
[HKH+17, KJR+07]. shutdown [HW00]. SID [LHK+15]. SID-Based [LHK+15]. Side
[DZS+18, LM21, NPH+20, ZBP18]. Side-Channel
[DZS+18, ZBP18, LM21, NPH+20]. sided
[Yan19]. Sigma [ZYW+18]. Signal [HR21, MHFP12, STGR15, WGT+17, ZSY18, CPW04, LLLC13, SR12, TYH08, XZC09]. signal-integrity [XZC09]. Signals
[Yan16, MKW08]. Significance [MHA19]. Silicon
[ANS+20, HAB+17, PTS+20]. Similarity
[PIK20, TYSF20, YRH11]. Simplifying
[HA05]. Simulated
[ZYS12, SMYH07], simulating [RHA08]. Simulation
[BLUS19, CDB11, EKS+14, EO19, GDPRG11, HBPW14, HIW15, HPB11, IHH15, MDM+12, PRCK08, ST99, SKM+16].
WFSS20, WWFT12, ZWD11, CVMP19, DCK10, DL11, HVF*01, HKB*07, KMC97, LOC12, PTC05, PHM00, RSR01, WTL*13.

Simulation-Based
[EO19, PRCK08, LOC12]. Simulations
[LS11]. Simulator
[LHK*15, FWCL05, EBR*09]. simulators
[RPCK05]. Simultaneous
[CC06, CYV*14, CFX09, JK10, LXC04, SM00, CCX06, CCW08, CW01, MR06, YHH09]. simultaneously
[HLCH07, SSP04]. Single
[BD14, HCW*16, KRL15, SML08, VEO16, Yan19, Yan20, PTC05, VJBC07, YW09]. Single-Chip
[BD14, PTC05]. single-detour
[YW09]. Single-Electron
[HCW*16]. Single-Event
[KRL15]. Single-Inverter-Based
[VEO16]. Single-Layer
[BD14, PTC05]. single-detour
[YW09]. Slow
[NS03]. slow-speed
[NS03]. Small
[WGT*17, XLC13]. Small-Signal
[WGT*17]. Smart
[AL19, HX*18, HK18, JDD20, SKM*16, YMB15, ZHC*18, JS13, AL19]. Smart-Gateway
[HXC*18]. Smart-Grid
[HXC*18]. Smart-Hop
[AL19]. SmartCap
[LYHL14]. SmartDR
[GdRJM21]. Smarter
[HFMB20]. Smartphone
[LYHL14]. Smartphones
[LYWL17]. SMs
[SBR*17]. SMT
[AA17]. SMT-Based
[AA17]. SnooP
[PCT*17, ZYDP08]. SoC
[HZS*19, GM03, GDF09, XZC09, BHW*13, DCK10, Kan06, LHL*17, LCL08, MOZ06, SBC08, TCL14, WLCJ09]. SOC-based
[GDF09]. SoCDAL
[AHL*08]. SOCs
[MSD06, BM11, JHMGS18, JPHL16, ZM07]. Soft
[DFM15, LD17, PHK12, TCL16, Q509, RJBS09, ANS*20]. Soft-Error
[TLC16]. Soft-Error-Rate
[LD17]. Soft-HaT
[ANS*20]. Software
[ANS*20, BM11, JHMGS18, JHH12, KMR18, LLL*16, LHF12, THT12, YYL*15, AM05, BASB01, CMM00, CAM05, CM13, FFH12, GGB97, HHL*07, WY09, YGH*10]. Software-Based
[ANS*20]. Software-Defined
[JHMGS18]. Solid
[CCS15, CD09, CCY14]. Solid-State
[CCS15, CCY14]. Solid-State-Disk
[CD09]. Solution
[GSFT16, JNS*17, YFT17, YFT18, FNMS01, SR12]. Solutions
[WFT*19, CW01, NR01]. Solver
[MS21]. solvers
[DP02, QSK12]. Solving
[CYV*14, WGDK07]. Some
[KAKSP16]. SOPs
[BCC08]. Sorting
[ZMP16, Yan00]. Source
[YKCG14, BCR*08, KRK98, ZYI*13]. source-level
[KRK98]. Source-Synchronous
[YKCG14]. Sources
[DHB16, CH96]. Space
[AKAKP18, GCZ*15, HMMG*20, RS18, Sch17, SHBD21, APB*08, ARJH06, BW00, EK97, JP08, KSS*09, RFG20, SW12, VCLD03]. space-efficient
[ARJH06]. spaces
[BC11]. space
[MKW09]. spare
[ACT13]. Spatial
[GFC*09, RB19, DAS09]. Spatio
[SSC17]. Spatio-Temporal
[SSC17]. Special
[BJX15, BMdG17, CO18, HAW20, KLSZ11, TK18, YD16, BC08, CH10a, CLQ12, HJ08, JW08, KLSZ09, LP07, MD13, Pd06, RBA*12]. specialization
[ADM*13]. specialized
[BC08]. Specific
[HKL+15, HMMG+20, HCZ+16, LPD+17, LHF12, LF12, RCK+15, TCI14, VA17a, ACT13, CSC08, SCV06, WKR09].

**Specification** [HZS+19, HV98, MD08, VS12a, BD00, BGM04, HV07].

**Specification-driven** [MD08].

**Specifications** [Pie16, CMM00, DDNAV04, MB04, VKKR02].

**Spectral** [KOO18, TN99].

**spectral-based** [TN99].

**Speculative** [NRDB19].

**Speed** [CK16, PTC+15, TPC+17, NS03, OW06, PSD21, SXZV13].

**Spine** [CLM+10].

**Spine-Transfer-Torque** [RPR+21].

**Spintronics** [MS21].

**Spintronics-based** [MS21].

**Split** [YCL+20].

**Splitting** [CZZYW21].

**SPMC** [BD14].

**Spread** [MBJ19].

**SQLite** [LLP+17].

**SRAM** [CCC+09a, HHL14, JLF+12, NdLCR03, ZYW+18].

**SRAM-based** [JLF+12].

**SRAM/1mW** [CCC+09a].

**SRAMs** [RM09].

**SSA** [MHA19].

**SSA-AC** [MHA19].

**SSAGA** [SBR+17].

**SSD** [WHXZ13].

**SSDs** [GD+18, HC18, LH+21].

**SSER** [PHKW12].

**Stack** [WZG16].

**Stacked** [SYX12, THM15, LHZ+06].

**Stage** [LZ17, Shi20, KSA+10].

**Stage-form** [Shi20].

**stages** [SYL09].

**staircases** [MSKBD07].

**Stairway** [MHD+04].

**Standard** [ACF+11, DBK+18, KRL15, TRM+16, PR09, SSCS10, TS96].

**Standard-Cell** [DBK+18, SSCS10].

**standard-scan** [PR09].

**Start** [ZLY+15].

**State** [AVG19, CCS15, CK16, Pom15a, BDC08, C09, CCYC14, CK9, CHHL06, HRP00, Pom14a, SNH02].

**State-Based** [AVG19].

**States** [Pom16c, LIA00].

**Static** [BDB12, ETAV18, LV14, MHA19, Pom15b, XPP+21, ZFLS11, DH06, EMO03].

**Statically** [KKLG15].

**Statistical** [BBEM15, CV17, JGM14, KPR06, LM21, PHKW12, RPR+21, SV16, STWX12, XT16, ZKS+16].

**statistics** [SNH02, SXZV13].

**steering** [HKV+07].

**Steiner** [CKKT98, GC96, HGLC16, LLLL18, LYKW09, SMYH07, Yan08].

**Steiner-point** [Yan08].

**Stencil** [YYG+16].

**Step** [HGLC16, Va02].

**stimuli** [MFS09].

**Stimulus** [CVY+14, LV14, BLR06, PKP+03].

**stimulus-free** [BLR06].

**stitching** [Meh98].

**Stochastic** [GLY+12, MMP00, GBC07, NM13].

**Stopper** [PCT+17].

**Storage** [BD14, CCH+15a, Kha12, KCA04, WQC+16, ZLW+15, ZMS+19, BD08, Meh98, Wu09].

**storages** [HCK13].

**Straightforward** [LH09].

**Strategies** [JM14, XLS15].

**Strategy** [KHKK16, ADDM+13].

**stream** [LWK11, NM13].

**Streaming** [RS18, TY19, ZLL+16, ZM12, FHHG12, KSS+09, WLL+11].

**Stress** [LS19, WXH+19].

**Stress-Induced** [LS19].

**striping** [CCYC14].

**Strong** [AYS02].

**Structural** [CML98, CH00, AYM05, CL99a, HA05, VLB08].

**Structure** [KHKK16, FWCL05].

**structured** [THL+13].

**Structures** [TB20, BK00, DDFR13, GMN+13, Hua01, Meh08].

**SST** [JZY15, LSL+13, SABS15, SMBT19, WSS+18].

**STT-MRAM** [SMBT19].

**STT-RAM** [SABS15].

**Stuck** [TPC+17, HVF+01, PR09].

**Stuck-At** [TPC+17, HVF+01, PR09].

**Study** [LLP+16, LYM+20, LC13, MILG12].

**Style** [CFD+16].

**Styles** [LCYN18].

**Sub** [BFL10].

**Sub-45nm** [BFL10].

**sub-threshold** [SNH12].

**subGraph** [YYC07].

**subnetworks** [TDF+09].

**Substrate** [YAN20, LCJ+10, SKCM06].

**substrates** [SKCM06].

**subsystems** [JS09].

**Subthreshold** [BFL10].

**Successful** [HWCL15].

**Successive-Approximation-Register** [HWCL15].

**sum** [DK08].

**sum-of-product**
[DK08]. **SUPERB** [EBR+09]. **Supervised RNA** [RNA+21]. **Supply** [BSP+19, BM11, JLK+15, SLP+19, WCCC14, XRS+19, YFT17, YSF+18, YFT18, YBS+18, JR97, LLHT12, WLCJ09]. **Support** [MCZ+16, WKL+18, ZP08]. **Supporting** [LYL+19, ZLL+16]. **Suppressed** [BC16]. **Surrogate** [WFSS20]. **Surrogate-Based** [WFSS20]. **Survey** [BFG17a, BRCS18, HHH+21, LM19, Mit16, MRL+19, RJ14, BD97, CEB06, KG99, KP13, SW04]. **Survivability** [ACT13]. **Suspect** [DNA+12]. **Suspension** [NSH+16]. **Sustainable** [CXH+16]. **SW** [ADP+07, BFV15, FLPP09, WWFT12]. **Swarm** [HLG+15]. **Switch** [CWW96, CZW+03, FLWW02, FLWC07, RFYL98, THL+13, ZHTC09]. **switchboxes** [DSKB04]. **switched** [CSC08, HWCL13]. **switched-capacitor** [HWCL13]. **Switching** [AVG19, GSS14, SRC15, BLR06, HCN09, PR11, SX+06]. **switching-activity** [SX+06]. **Symbolic** [BDM+99, BFG17b, MCD12, SHD17, BLM00, FWCL05, KVMH08, YWG10]. **Symbolic-Event-Propagation-Based** [MCD12]. **symmetric** [IAI+09]. **Symmetrical** [OCK19, CZW00]. **symmetries** [CMB07]. **Synchronizing** [MMD+12]. **Synchronous** [CH17, HPB11, PMS15, TB20, WWW+12, YKCG14, ZABGZ17, BDM+99, BASB01, CACS05, CPR+02, HKB+07, MB04]. **SynergyFlow** [LYL+19]. **Synthesis** [AA17, BR12, BD00, CSKR05, CET16, CLMZ10, CCL03, EO19, GBR07, HS18, HRC21, HMVG13, HCZ+16, ISK21, JHHJ21, KK14, KKK12, KKS16, LS17, MWK21, NG06, OCK19, PDS12, PG15, QSW+15, RJ14, Sch17, SGC+14, SS14, SGGR14, SV11, SCCH08, WCCC14, YMB15, ADS+09, BDM+99, BZ08, CLLK06, CM00, CBMM10, CL99b, CD96, DDNAV04, FHHG12, GG99, GOC02, GH00, GDGDN04, GWR13, HLKN07, HCLC98, Hsi01, HLHT08, Hua01, JLF+12, KSS+09, KKH+02, KK11, KW02, KHP05, KFH+08, LCD07, LC14, Lin97, LLHT12, LW06, MMP00, MDM07, MKBS05, MJM11, MRC06, PBSV+06, RFYL98, RS03, SW12, SCB01, SV07, TN99, TC98, VLI98, VKT02, VKKR02, WV02, WG11, WKR09, XK97, XPSE12, YWW10]. **Synthesized** [SBR+17]. **Synthesizing** [GSS14]. **synthetic** [PSK08]. **System** [BdM00, CH17, DMR10, GM08, GPH+09, HKL+15, HZS+19, LL15, LG18, NAK20, NRZ+18, PDS12, PPDK09, Pie16, PBSV+06, RFGR0, SL18, SSGR14, TK18, WL12, YYY+16, ZHM07, APB+08, BPPR98, BMJ13, Cha01, CKAP07, CSC08, DC07, GG99, GABP00, HGBH09, HMVG13, HW00, LTH99, LCC11, MOZ06, MPSJ07, OCRS07, Ped06, SPG+08, Sen11, Vah99, ZLL13, dW97, AHW+08, LVL03, WLL+11]. **System-Level** [HKL+15, LL15, LG18, PDS12, Pie16, BdM00, GM08, PPDK09, RFGR0, ZHM07, MOZ06, OCRS07, Ped06, Sen11, Vah99, ZLL13]. **system-on-a-chip** [Cha01, CKAP07]. **System-on-Chip** [HZS+19, SSGR14, APB+08, BMJ13, CSC08, WLL+11, AHW+08]. **System-scenario-based** [GPX+09]. **Systematic** [AMM+06, SLP+19, KPR06, RPKC05]. **SystemC** [BK10, CVMP19, GD20, HV07, WWFT12, ZMS+19, RHA08]. **SystemC-AMS** [CVMP19, ZMS+19]. **SystemC-based** [GD20]. **SystemCoDesigner** [KSS+09]. **SystemJ** [MR09, SPT+17]. **Systems** [ALLE20, BHK17, BLNK14, BJX15, BB17, BS14c, CH10a, CCH+15a, CHB15, CYH19, DFM15, EAP17, GT21, HK18, IGN18, JJH21, KLSZ09, KC10, KMR18, LL15, LHK+15, LZZSV15, LMA+16, LL19, LZA+21, MRL+19, NASH+16, ORGD+15, PPP+15, PSNC18, PG15, PBZM19, PY20, QBTM16, RFGR0, RG19, RNA+21, SSC17,
SPT+17, SBY+20, STWX12, SS14, SHBD21, SAL19, TB20, THT12, TL19, WLZ+19, WHRC12, WQC+16, WDLX21, XPZ+18, XGC+20, YBM+21, YRH11, ZLW+15, ZMS+19, ADM+13, AM10, ADDM+13, ARLJH06, BD00, BWB14, CSAHR07, CMM00, CSL+07, Con06, CLQ12, CCL04, DCK07, DRG98, DNDN04, DTC+09, GDTG07, GPH+09, GDF09, HKL+07, HV07, HCLC98, Hsi00, HBC+08, JS13, JWL+03, JW08, KKMB02, KC13, LCZ+08, LCK+09, LSDV10, LDK99, LP07, MBB01, MDG98, MHQ07, ML09, OKC08, PDN00, PCD+01, PSL+98].

**Systems** [Ped11, PEPP06, QS09, Rak09, RSR01, SCB01, SLXZ12, SUC01, SHN12, SS11, SZV+12, THC+14, Wol96, Wu09, ZAJ+12, ZP08, SN10, CPX14].

**Systems-on-Chip** [BHK17, HDL+12, KP13]. **SystemVerilog** [CYV+14].

**T** [YYC09]. **T-trees** [YYC09]. **TAAL** [JZG21]. **table** [WSEA99]. **table-based** [WSEA99]. **tagged** [ZP08]. **Tailoring** [CSC08]. **Tandem** [MR09]. **Tapered** [KKHK16].

**Target** [KGS+20, KYL16, PBWB21, Pom20, FS13]. **Targeted** [SNL12]. **Targeting** [LPD+17, JBC+10, MLMM08]. **Task** [ENP20, LMA+16, SZB17, DCK07, GK14, GBC07, YYLL09]. **Tasks** [CH17, SSC17, WJG+19]. **taxonomy** [KP13]. **TCAM** [VNS19]. **TCONMAP** [HABS15]. **tdf** [ZMTC13]. **TDM** [VGG19]. **TDM-based** [VGG19]. **Technique** [CV17, JK10, JPM+19]. **Technologies** [SN10, BC08]. **Technology** [BFL10, CHY05, DKT+16, DBK+18, HABS15, JYYZ15, SABA15, YD16, ZS02, BLM00, CH02, CH00, KL05, LKM04, PL98, WY06, WSEA99, ZLL13]. **technology-dependent** [BLM00].

**Technology-Driven** [DKT+16]. **TEI** [LHW+17]. **TEI-power** [LHW+17]. **Temperature** [JGM14, LHW+17, ZYP09, ADP+07, CLQ12, DH06, WJY+07]. **Temperature-aware** [ZYP09, ADP+07, CLQ12]. **template** [HGBH09]. **Temporal** [Pie16, SSC17, YYC07, BD05, Das09, YYC09]. **Temporally** [PRCK08]. **terminals** [ISE08]. **Test** [AYM05, BBDB19, EM003, EO19, GF06, IE12, LCT03, LYS019, LM21, MCD12, NSCM17, PKJK20, Pom15a, Pom15b, Pom15c, Pom16b, Pom17a, PVAV7, Pom18a, Pom19b, Pom20, Pom21a, RJ14, SBB+18, TBZ13, WCB15, WWCT18, WH19, WH20, WLM21, WC10, WWWW+12, XCW12, XLC13, BC05, BDD14, Che01, Che96, CCL04, ETR07, FM001, GM03, HHLN07, HR00, HJ08, IYF+21, KT01, LTH99, M08, NCP01, NT05, PR98, PR07, PR11, QM12, RMK03, SW04, SBC08, SEN05, SN12, TCP97, TD03, WPHL08, WWW04, XMZ90, ZMTC13, SSS03].

**Test-Architecture** [WWCT18, XZC09]. **Testability** [Pom16a, Pom18a, FR97, PSK08, Pom14a, SCJ01]. **Testable** [GVR07, RMPJ08]. **testbenches** [BFP08]. **testers** [NO03, SBC08]. **Testing** [LPY+20, NS03, PT+15, TP+17, WWCT18, WWWW+12, XCW12, XS16, XCF18, YT98, KBN09, LHCT05, PKP+03, SEN05, SXZV13, SCJ01, SOC06, TD03, XZC09]. **Tests** [Pom15a, Pom16a, Pom16c, Pom18b, Pom19a, Pom20a, Pom21a].
Pom19a, Pom19b, Pom20, Pom21a, Pom21b, DNA+12, PR09, Pom13, Pom14a, Pom14b].
text [LDK99], text-compression-based [LDK99]. 
Theft [BTP+20], Their [MLH+17, DSK01], theoretic [HR06].
Theoretical [TB20, SB98]. Theories [PG15, YW09].
Theory [MDM+12, JWL+03]. Thermal [CK19, CLT+15, CXH+16, CVMP19, CR12, DCK10, JGM14, LC+09, LHW+17, LDD+18, LZA+21, MDR15, OCK9, SBY+20, SKP21, WMT+16, ZHC+18, ADDM+13, ANR13, GK14, LH13, LH+06, LTPT10, QSK12, WTL+13, WJY+07, YHH09, ZAJ+12, ZSZ10]. 
Thermal-Aware [SBY+20, SYX12, OCK19].
thermal-oriented [LHZ+06]. Thermally [RGM15].
thermodynamic [VLH04]. Things [TK18]. Thread [CNQ13, SV11, KBA08]. Thread-based [CNQ13].
threaded [HC17]. Thread-based [ZHC+18].
Three-Dimensional [RGM15, KQP+19, RGM15, WXH+19, Yan00, Vah02, YYC07, YYC09].
Three-layer [Yan00]. three-step [Vah02]. Threshold [CZW19, DHVW18, SV16, SHN12].
Throughput [HCRK11, HIW15, KLJ14, SESN15, CJLZ11, GM08, SKS12, SHN12].
throughput-aware [SKS12].
Throughput-Optimized [HCRK11]. Thwart [BTP+20, LSCK20]. Tier [SSL17].
tightly [LMB+12]. tightly-coupled [LMB+12]. Tightness [APS18]. tile [DJP21].
Tiled [DK16]. Tiled-DNUCA [DK16]. Time [APDC17, BB17, CHBK15, CH17, CJKK19, FG18, HXC+18, IG18, KPF16, KPB19, LM19, LSCK20, NSH+16, PSNC18, PY20, SSSC17, SBY+20, WLT+19, WYZG16, WJG+19, YRH11, ZLW+15, ZZCY17, APB+08, ARLJH06, CSAHR07, DP02, DRG98, FHHR21, HMLL11, HLKN07, HMVG13, KNRR06, LCHT02, LTPR+13, MR96, MQH07, NG06, PEPP06, PW99, SCBO1, WGD07, WLL+11, ZAZ13].
time- [ARLJH06]. time-constrained [NG06, SCBO1]. time-constraints [CSAHR07]. Time-Division [PY20].
time-domain [LTPR+13]. Time-Multiplexed [LM19].
Time-Triggered [BB17, IGN18, KPB19].
time/resource [WGD07]. Times [PMS15].
Timing [CZW00, CB17, HIW15, HS19, JNCS19, KKK12, LVS16, LJ18, LYC17, LNG+16, LL19, MJM11, MKW08, TB20, VBP+19, WSH+18, WKC12, WL12, Yan08, YRH11, DCK09, DRG98, DH06, KPSW09, KPR06, KC98, LC14, LCHT02, MCMW08, QS09, SXX+06, SCCH08, YHL+11].
Timing-aware [MKW08]. Timing-Driven [LNG+16, CZW00, Yan08, DRG98].
TODAES [CH10a, KLSZ09, BC08, GK09, QS11, TK18].
Toffoli [MDM07]. Toggles [TPC+17].
Tolerance [GVJ15, JPM+19]. Tolerant [CYH19, GT21, LW17, XCF18, CEB06, NdLRC03, SC06]. tolerate [SPG+08].
Tolerating [ZHC+21]. Tool [BBEM15, JHMSG18, TDE08, VLH98].
Toolchain [GVJ15]. toolkit [MSD06].
tools [BM00, GS00, MD13, MT02].
Topological [SHD17]. Topology [BDBB19, HCG+16, TDF+09].
Topological-Agnostic [DBBB19]. Torque [RPR+21]. Trace [BHUK17, BHW+13].
Trace-Based [BHUK17]. Traceability [IK19, YFT17]. track [LCC11]. Tracking [HMO+14, NPH+20, FS13].
Trade [PCC09, FHHG12, RJL+09, WYYG99, WGD07, XPESE12]. trade-off [RJL+09].
Trade-offs [PCC09, FHHG12, WYYG99, WGD07, XPESE12]. Tradeoff [RS18].
Tradeoff-Aware [RS18]. Tradeoffs [LDD+18]. Trading [FG18]. Traffic [QBTM16]. Training [ALL17, JSS+19].
Transactions [CH10a, CPX14, KLSZ09]. Transceivers [JNS+17]. Transfer [RNA+21, RPR+21, KI01, KVMH08].
Transform [LCC+15]. Transformation [SPC+15, BGN+07, KKHH+02, Val99, VJB07]. transformational [Voe01].
transformations [HKV+07, LLM01, PCC09, WYYG99]. Transforms [ACFM12, MFHP12].
Transient [KRL15, DC07, MRC06]. Transistor [CFD+16, HCW+16, PR96, RS03, WSH+18].
Transition [JOH17, MHQ07, LHT05, PL03, PR09, WPHL08]. Transition-overhead-aware [MHQ07].
transitions [Mut09], transitive [YYC07]. Translation [MWS+20, WL12].
transmission [KC13]. Transmissions [CBO+18]. TransNet [RNA+21].
Transparency [WHRC12]. Transparent [Pom17b, SV11, PR11]. Transparent-Scan [Pom17b, PR11].
Transposition [CH15b]. traversal [HRLP00]. Tree [HGLC16, KK11, KKS16, LLLL18, LNG+16, LS17, OCK19, PSD21, WCC14, CHH09, LLHT12, LYK09, LLLC13, TDF09, wATkK02, Yan08, YYC09]. Tree-based [PSD21, YYC09]. Trees [CCH15b, EK16, GC96, WCC03, YYC09].
Trends [CH10b, HHL14]. Triggered [BB17, HS18, IGN18, KPB19, BDC08].
Triggering [EW18b, HW14]. Triple [LZ17, ZLY+15]. Tristate [CK16]. Trojan [ANS+20, LM21, MRL+20, YCL+20].
Tunable [OK20, CFHM09]. tuned [RFB10].
Tuning [PTS+20, LT11, SZV+12]. Twisted [YW09]. Two [LZ17, OW06, TJ99, Yan19, CSC08, DDNAV04, LHZ+06]. Two-layer [OW06, DDNAV04]. Two-level [TJ99].
Two-sided [Yan19], two-stacked-die [LHZ+06]. Two-Stage [LZ17].

UCR [YBS+18]. Ultra [ACF+11, CK16, GBC07, MACV14, SESN15, ZLG+19].
Ultra-fast [GBC07].
Ultra-High-Definition [ZLG+19].
Ultra-High-Speed [CK16]. Ultra-Low [ACF+11, MACV14, SESN15]. UltraScale [AMM+18].
Unauthorized [CBO+18, GDFT17, KO018]. Unbounded [VS12a]. Uncertain [KW16]. uncertainties [CS07]. Uncertainty [GC18, STGR15].
Unicast-Based [XS16, XCF18]. unified [Kag05]. Uniform [HZS+19, KCKG16].
Unique [SOS15]. UNISIM [LS11].
UNISIM-Based [LS11]. Unison [SGJ96].
Unit [BM11, HWCL15, HWCL13].
Unit-Capacitor [HWCL15]. Universal [CWW96, CJKK19, JCKK19, DNA+18, FLWW02, FLWCC07]. universality [RH00].
Unknown [SOS16]. Unknowns [EKS+14]. Unnecessary [Pom15].
unpredictabilities [DS05]. unpredictability [SPG+08]. unscheduled [MHF96]. Unstructured [VTC20].
Untangling [Yan19, YW09]. untestable [LIA00]. UPaK [WKR09]. Update [KCI0].
Upper [JL15]. upset [NdLKR03, RM09]. upsets [MRB+11]. Use [KBF15, KFH+08, MS00]. use-cases [KBF+08]. Useful [TCW20]. Using [APDC17, AP+11, ASAP17, AVG19, AGM01, BBM15, BDB12, BS14b, BM11, BLUS19, CM19, CAOM19, CYV+14, CJKK19, DNA+12, EW18a, EW18b, EK16, FWC05, FFHMR21, FYCT15, GFJ16, GB07, GD20, GRY19, HS18, JNS+17,
using [SCJ01, TLCF16, TWL16, TN99, TD03, TYH08, Vah02, WVYG99, WJYZ11, WCC03, XLCL13, XK97, YTHC97, YYC07, ZHOM08].

UST [wATkK02].

Utilisation [NAK20].

utility [BCR08].

Utilization [KKLG15, KMR18, MT15, GM03, SBC08, SY07].

Utilizing [BLNK14, CK16, EBR09].

UTPlaceF [LLL18].

V [MLMM08].

Validation [VS12a, CM13, DRG98, FLPP09, HJ08, MD08, QM12, RPFC05, WAZ08].

value [YGZ04].

Validated [WTR12].

Values [Pom18a].

Variability [CFD16, JIR21, NRZ18, TY19, LON08].

Variable [PSNC18, ZLZ19, LHW97, WH05].

Variables [Pie16, CCQ98, Pom14a, SXZV13].

Variation [APDC17, AKAKP18, FYCT15, RGM09, WCCC14, WDL17, WSH18, GM08, KTKO13, MJM11, PPDK09].

Variation-Aware [FYCT15, WSH18, RGM09, MJM11, PPDK09].

Variations [GC18, XAG10, ZZCY17, KPR06, LH13, LTPR13, ST99].

various [WAZ08].

Varying [RG19, SSO16].

VBR [JLJ15].

Vdd [HLHT08].

Vector [BSP19, JK10, PIK20, CCW08, EM03, KBA08].

vector-thread [KBA08].

Vectorizing [LPD17].

Vectors [Pom15a, Pom21b, CK96].

Vehicle [VA17b].

Verification [Ali12, BKW15, DSH12, EW18a, HZS19, KYN12, PKJK20, Fed11, SS19, VBP19, BHW13, BDC08, BGM04, DCK07, DCK09, DCK10, DC07, GF06, HA05, HLD12, HV98, KMS12, KG99, KC98, LBV06, LOC12, MS08, MPDG09, PRCK08, RFYL98, RBA12, Sen11, VAAH18, VS12b, WYIG07, WW04].

Verify [KRH18].

Verifying [APD11, HCC01].

versatile [TYH08].

Vertical [AKJ21, LLKC13].

Very [ZHC21].

Very-Large-Scale [ZHC21].

VFI [DLC17].

VFI-Based [DLC17].

vGreen [DMR10].

VHDL [DDNAV04, GDP11, MR96, WRC97].

VHDL-AMS [DDNAV04].

Via [SHL19, BZGW17, CRT19, CCC09b, HHL14, HSA04, IPW17, IK19, KO018, KRL15, KLK17, LHZ06, PB12, PTS10, RA0012, SAL19, VAAH18, WB16, WHX13, Yan20, WYIG09].

vias [YHH09].

Victim [NAG20, SSS19].

Video [MGR15, ZLZ19, CCC09a, ZHOM08].

viewpoint [LKT98].

violations [Das09].

Virtual [BHD09, DMR10, JIL15, MSR09, SSL17, Fu05, KMC97, LKLY13, ZP08].

virtualization [IE08].

visibility [HW14].

visual [FS13].

VLAN [SRT19].

VLIW [AMR00, GB07, KJR07, LVT02, LLHT03, LYCP13, SXX06].

VLSI [DPN02, DD02, GMN13, GOC02, HLC15, JT98, LM96, MSKB07, MKW09, OS03, RS03, STW12, SB98, SSS10].

VLSI-CAD [SB98].

Volatile [WDL17, LSL13].

Voltage [DHV18, DS05, JPH16, JIL15, KLE18, LCY12, MACV14, SY16, WCC14, WGS16, ZLL13, GM08, GBC07, KSA10].
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LHW97, LLHT12, MHQ07, ML09, Rak09, SHN12, WWG08, WLCJ09.
Voltage-Frequency [JPHL16, GM08].
voltage/frequency [ML09]. voltages [JR97, MR05]. Volume [Pom16c, RMKP03].
Volumes [PAV17]. vs [KG09, PDN00].
VSSD [CCS15]. Vulnerabilities [GQW19, MAS16].
Vulnerability [NPH+20].

W [DHZ+11]. Wafer [THM15, BC05, WLT08, ZMTC13].
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