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Title word cross-reference

1 [AGM01]. 2 [FWCL05, GH00, RL13]. 2.5 [WCB15, WWCT18]. 3
[ADDM+13, AJK+21, CLT+15, CBR+22, CXR+23, CWL+22, DLC+17, DHZL23,
JGM14, KKK16, KLE18, LLK13, LDD+18, LDD+19, LHZ+06, LHC16, LW17,
LS19, LS17, OCK19, PRKK21, PKC+21, SKP21, SYX12, THM15, TMDF10,
WYC10, XGC+20, YHH09, ZYS12]. 4
[JCGP05]. 2 [SJL23], [dd [MLMM08], DDX [SW04]. $F_{\text{max}}$ [PMB10], $g^m$ [LZ21],
GF$(2^m)$ [RMJ08], $H$ [CLT+15]. $I^D$ [LZ21], $k$ [CLH12, SSN22]. $k/m$ [CHY05]. $\mu$
[DHZ+11]. $N$ [Pom16b, CLH12, Pom17a]. $o(\min(m,n))$ [LM05]. $t/t$ [CH13]. $V_t$

[AGM01].
-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]. -VOR [SJL23].

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].


Accumulation [EJR22, GYZ+22, LDP+22, WFSS02, GPK+09]. Accelerator [CBC22, FLG+23, HLW+23, KP22, LCJ+22, LYL+19, LJJ+22, LPL+21, OHA19, SKR+22, SHBD21, AHL+08].

Accelerator-rich [SHBD21]. Accelerators [CSO22, HJY23, SYGC22, SV11, TL19, LSPC14, YLP+13]. Access [BSP+22, GSD+18, HWDQ22, OKC08, PTPB22, RPR+21, XYG+16, Cha01, KLSP11, KCKG13]. Accesses [KCKG16].

Accuracy [BH22, EAA+23, HSP+22].

Accurate [DKZ+15, LJJ18, SV16, SKCM06, TWL16, TEK18, MFS09, RCD07, SGD10, XK97].

Accurately [CHA+23]. Achieving [HSP+22, KJT04, SLT+13].

ACM [GK09, BC08, CH10a, KLSZ09, QS11, SN10, CPX14]. acoustic [FIR+97]. acquisition [NP03]. across [LBV+06]. action [KC98].

Activation [WLM21]. Active [LKC+18, VEO16]. Actively [PCT+17].

Activity [GFJ16, KO018, RG19, PR11, SXX+06].

Actor [RGT+14]. Actor-Oriented [RGT+14]. Actuations [RB21]. acyclic [LKTD98]. Adaptable

[A3C15, KKK12, SHN12]. Adaptation [LYHL14, MDR15, RAN+21, TZZH22].

Adapting [SSO16]. Adaptive [BM11, BYT22, CB17, CIX15, EW18b, JM14, KKH16, LKY13, LYS019, LIJ+22, LPY+20, LK22, SFM+19, SOS15, TZ17, WTR12, WQC+16, ZLY+15, CCYC14, CR12, CLQ12, DP04, FS13, HCK13, LMB+12, LSL+13, RL13, RAKK12, SCB01].


Addition [BSP+23]. Address [LP03, SR12].

addressing [SSP04]. Adjustable [LW21, KSA+10, LHT12]. Adjustment [MNMK+21]. ADL [MSD06].

Admission [DSZD15]. advanced [DFR13]. Advances [CO18]. Adversarial [GF+23, LYM+20].

Aerial [HXB+22]. Affine [WK+18, BC11].

after [XFJ+16]. Against [ADB+19, DZS+18, LD22, RNR+21, AYS20, DF15, GDTF17, HLY+20, LQD22, ZLQ15].

AGENTS [dW97]. Agglomerative-based [LLC13].

Algorithm [LLL13]. Aging [ADB+19, DNT20, FYCT15, GC18, OT15, TSW20, HTCP13].

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


AIMCU [ZXC+23]. AIMCU-MESO [ZXC+23].

Airgap [HS19]. algebra [GH07, GK09]. Algebraic [LAYZ23, ARLJH06].

Algorithm [DHVW18, GDRG11, GYT12, HOCR11, HLG+15, JHY21, KLSZ09, KLSZ11, MA16, MJB19, TZ17, YVC14, ZLC+21, ZLG+19, ZHJ+23, DBD98, CD09, CT13, CSL+07, CCW08, EK97, GBC07, JHL02, KT96, KL05, LM05, MBB01, MBS05, MLM08, MWG07, SCB01, SGJ96, VKKR02, XTW05, YMC+13, YWW10, Zho08].

Algorithmic [AM05, KR118, LXWC20, RRHB21].

Algorithms [ACFM12, DK22, GMN+13,
GdRJM21, SV16, SZB17, TCP97, Das04, Das09, EMO03, GMSSS02, JLF+12, LKM04, LI11, OWO8, PB14, PW99, TC98, YW09, YCHT00, ZS10, ZS02. Aligned [LJJ+22, SHL+19, XYG+16]. Allocating [KAKSP16, YHH09]. Allocation [ABC+17, BK00, BM11, CET16, CARH18, KK14, KKLG15, SCK18, ZYS12, AOC02, CLM+10, CL99b, LCK+09, SM00].

Alternative [DK08, LYSO19]. Amplifier [RM23]. Amps [AG22]. AMS [CVMP19, DDNAV04, MDM+12, MPDG09, ZMS+19]. Analog [ADB+19, BBEM15, CFD+16, CLC20, DZ18, HRC21, HSP+22, LDP+22, LYSO19, LS22, LLM+23, LZ21, LH12, LCYN18, PHS+20, SHD17, SCK+23, STGR15, SOS15, TZ17, T20, WJY15, XAG+20, ZSY18, BC05, DC07, DDNAV04, LON08, LFG+09, LCKT12, LCPR+13, ST99, SCJ01, WV02].

Algorithm [LDP+22]. Analog-in-Memory [LDP+22]. Analog/Mixed [STGR15]. Analog/Mixed-Signal [STGR15]. Analog/RF [BBEM15, PHS+20]. Analyses [BFG17b, YBM+21]. Analysis [BS14b, CZW+03, CLT+15, CB17, CXLL22, CH17, CYH19, CLM10, DKZ+15, GD20, GLY+12, HLZ+22, HKL+15, HHL14, JIR+21, JM14, KM18, KOO18, KC13, LJ18, LDM20, LV14, MAS16, MHA19, NSCM17, OM08, PHKW12, PIE16, PERP06, QBTM16, RRHB21, SMBT19, STWX12, SYH+22, TH12, VTC20, WL12, XT16, ZFLS11, ZYW+18, ZS16, ZKS+16, ZMS+19, ZBP18, AC06, APB+08, BWB14, BK10, CPR+02, DCK10, Das04, DH06, FZKS11, GM08, GGBZ02, GDG+08, IBMD07, JB98, JHT9, KPR06, KVMH08, LWCO7, LCHT02, LON08, LTPR+13, MDG98, MFS09, MCMW08, NM13, QSK12, RMB10, ST99, VMP+00, WYCO10, YWGI09, ZHM07].


Application-aware [ZYDP08]. Application-Driven [YP10]. application-oriented [Hsi00]. Application-Specific [HKL+15, HMMG+20, HCZ+16, LPD+17, LFH12, LF12, RCK+15, TCL14, VA17a, CSC08, WKR09]. Applications [ACF+11, BFV15, BLUS19, CLE+22, EKEK22, ETAV18, EO19, HC17, HAB+17, LFST21, LDM20, MAS+20, MS23, MLH+17, NTS08, PFHAH22, RM23, RS18, SBR+17, SSK+23, SVK17, SFM+19, SLV+22, SWT23, SESN15, WDMG16, WH20, ZLL+16, CCC+09a, DCK9, DCK10, DPNB02, DSH12, DVA02, HG07, KSS+09, KCA04, KFHP+08, MHD+04, NT05, PDN97, Pe09, SR12, VCD03, VMP+00, WLI+11, WG11, ZHM07, ZAZ13]. Applying [CBHK15, WPR+19]. Approach [DY23, DZS+18, DNT20, FG18, GV15, HS19, KR11, LHF12, LMA+16, LTW+16, MDR15, ORGD+15, PGGD23, POM9a, RRHB21, SH17, SGGR14, SCK+23, ZH+23, ADS+09, BDN08, BMJ13, CBKH11, CHH06, DDNAV04, DVA02, ETR07, GGO4, GABP00, KSS+09, KJKK03, LFH+09, LCKT12, MRO09, MRO16, NRO1, SS04, Vafi02]. Approaches [HMMG+20, KTKO13, LCOM07, Tes02, WAZ98]. approximability [BCC08]. Approximate [ADGSM22, EJRR22, GT21, HWDQ22, JSS+19, LKL12, MED23, MHA19,
NRDB19, OHA19, PMP17, YBM+21.


Architecting [SABSA15]. Architectural [BRCBS81, CXS+23, KGS+20, MA16, MLH+17, APB+08, CL99b, MSD06, VS12b].

Architecture [AJK+21, BMdG17, CM20, CIB01, DK16, HLG+15, JP12, JYY+22, LPLK22, LWZ+19, LYL+19, LJJ+22, LYLW17, MD13, MSD06, MRL+19, MS17, NGL+21, PHT20, PCT+17, SHHB21, SSL17, SJL23, WKL+18, WWCT18, YKCG14, YMB15, YLP+13, CHY05, GM03, LCOM07, LTPT10, SCCH08, WTL+13, XZC09, YBM+21, ZHY+13, RJL+09].

Architecture-aware [JP12].

Architecture-level [CIB01, LTPT10, WTL+13]. Architectures [AMM+18, CPS16, CBR+22, CXR+23, GADG19, GD22, HWX+14, LM19, LLK+14, RBWB20, VS12a, dONH23, ACT13, BD08, Cha01, CKAP07, CL03, DP04, FS13, FRS97, GBK07, JBC+10, JLF+12, Kao06, KLSN11, LP03, LLKY13, LYP+13, OCRS07, PPD09, QM12, WH05, ZM07, ZHTC09].

Area [EO19, HS18, HCW+16, KKK12, KKLG15, SYH07, SS14, TRM+16, TLC14, Yan16, ZHJ+23, DK08, GS00, HCS01, KL05, KNRK06, LC13, LCL08, MS00, SPMS02, SSP04, XPSE12, ZHY+13, ZHTC09].


ARM-Based [LLH+17]. ARM2 [HV08].

Array [CFD+16, KCKG16, RBWB20, RB21, SPC+15, AOC02, CZW00, LC13, LCL08, VW02, ZHY+13]. array-based [CZW00]. Array-Style [CFD+16]. Arrays [HCW+16, TRM+16, AC06, CH02, CD96, LMB+12, PWY05, WAZ98].


Assay [BTP+20, LSK20]. assembled [BC05]. assembly [AMR00]. assertion [BZ08, MPDG09, TBZ13]. assertion-based [TBZ13]. assertion-checker [BZ08].

Assertions [MDM+12, WLM21]. Assessed [LLL18]. Assessment [NPH+20, RNR+21].

Assignment [CK16, KLE18, LYCP17, LMS16, SV16, Yan16, Yan17, Yan20, BDB98, CCX06, CHH09, CPW04, CLYP09, KNDK96, Kuc03, LJIV02, LCC11, LT11, VJBC07, WVG08, WLCJ09, XTW05, Yan11].

Assisted [CCMC20, GFJ16, HRC21, PTC08, WLCJ09, XTW05, Yan11]. Assistive [MKV+18]. Assurance [XLY+18]. Assured [JSS+19]. Asymmetric [SBR+17, RAKK12].

Asynchronous [PMS15, TB20, WWW+12]. At-Speed [PTC+15, TP+17, SXZV13]. ATM [RFYL98]. ATPG [HCC01, MT02, SGK08].

Attack [BSP+19, Che18, GLD+22, JZG21, LTZ22, OK20, YBM+21, DDFR13]. Attacks [AYS02, CPK20, DZS+18, DHB16, HYK+20, JIR+21, LSC20, LYM+20, LQD22, MLH+17, PTPB22, RNR+21, ZLC01, LWK11].

Attestation [CRT19].

Attributed [PRCK08]. Augmented [VPB+19]. Augmenting [TL19].


AutoDSE [YSGC22].

Autogenerated [APD+11]. Automata [BZ08, PSD21, KT01]. Automata-based [BZ08].

Automated [BPTB17, IE12, KLV15, dONH23, GWR13].

Automatic [BFV15, CK96, CS22, CJLZ11, GD20, GYZ+22, MS08, SHD17, SH20, SRTG19, WKR09, ADS+09, KSS+09].
LFG+09, TDE08, WWC04. Automating [HA05, RSR01]. Automation [ADB+19, CH10a, CPX14, CO18, DZS+18, DK22, FZL+23, GHYR19, HHH+21, JDD20, KLSZ09, KAC+23, PSDK21, SSK+23, DTC+09, LOC12]. Automotive [HK18, KPB19, LZSSV15, LMS16, MPM+17, SRTG19, XLY+18]. Autonomous [ML09, STL+13]. Auxiliary [BDC08, CCQ98, Pie16]. Available [TEK18, dONH23]. Average [ZLW+15]. Averaging [TWL16]. Avoiding [AL19, HLG+15, HGLC16, LLLL18, WSRH16, XPZ+18, LYKW09]. award [GK09, QS11]. Aware [AKAKP18, DBBB19, BLUS19, CMP10, CET16, CJKK19, DNT20, DZ18, FYCT15, GV15, HHK+17, HX17, HXB+22, HCW+16, KPF16, KW16, KAC+23, KPB19, LHH+17, LLL+18, LHK+15, LZZSV15, LNG+16, LMS16, MT15, OT15, PBZM19, RS18, RCK+15, SBY+20, SKPB21, SCK+23, SYX12, TBCH17, WSH+18, WDD+23, WLLL16, Yan20, YYG+16, ZYPC17, ADP+07, CHH09, CLQ12, DHX+23, DD02, ETR07, ENP20, FS13, GM08, GKM05, HJJY23, JHL02, JDD20, JP12, JCS+08, KPSW09, KJKK03, LC14, LKLC22, LWX+23, LSZ+21, LZ21, LG23, MAS+20, MBD+20, MJM11, MHQ07, MKW08, OCK19, PSDK21, PPD09, PGGD23, RGM09, SSG12, SBC08, SMYH07, SKS12, SNL12, SWT23, TZ20, VGG19, WH05, WPHL08, WLL+11, YYLL09, ZYDP08, ZYP09]. awareness [RL13]. Ax [EJR22]. Ax-BxP [EJR22].

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, AKM+22, AJK+21, AAA15, BHK17, BS14a, BD14, CPS16, CCH+15a, CAOM19, CLT+15, CZZYW21, CXL22, DLC+17, ETAV18, EO19, GNGT21, GDTF17, GHYR19, HCL+14, HWX+14, HLG+15, JMMGS18, JPHL16, JM14, KGS+20, KC10, KKL+17, KMO+12, LZZ23, LLH+17, LG18, LDM20, LAYZ23, LZY+23, LSI11, LHK+15, LLLL18, LH11, LPY+20, LQD22, LGGJ14, LCC+15, LKC+18, LPL+21, MMN+21, MCZ+16, MA16, MS23, MCD12, NSP+20, PIK20, PSCN18, PG15, Pom17a, Pom18b, Pom20, PY20, QBTM16, RM23, RS18, SV16, SMBT19, STGR15, TZ17, VEO16, WLZ+19, WCB15, WQC+16, WWCT18, WFS20, WC10, WL12, XS16, XCF18, YMB15, ZS16, ZHC+18, AHAK08, AM10, ADDM+13, BLM00, BPRR98, BC11, BDD00, BOC00, BH10, BZ08, CLM+10, CNQ13, CGN96, CZW00, CFHM09, CBR+22, CH02, CBR+05, CD06, CHY05, CF09, CM13, CCL04].

based [DP02, DCK09, DJP21, DDNAV04, DVA02, EMO03, EY12, FLG+23, FS13, GK14, GQ99, GPH+09, GD20, GBC07, GDF09, GPK+09, GH00, HWDDQ22, HDZ+20, HXY+22, HXY+20, HCK13, HWCL13, HFM20, HXZ+23, IYF+21, JZG21, JHH+12, KBN09, KK11, KSD+22, KNRK06, KSA+10, LC13, LB00, LMK04, LWC07, LCC11, LWZ+19, LLI+22, LDK99, LZ21, LCHT02, LOC12, LWW11, LLCL13, LXW20, LYM+20, LG23, MMM+22, MP07, MS21, MLC08, NAK20, OM08, OHA19, OKC08, OK80, PSDK21, PNN00, PRCK08, PMB10, PR09, Pom14b, RL13, RS98, SW04, SGK08, SWT23, SOC06, SC06, TN99, TBZ13, VGG19, VKT02, WPR+19, WH20, WWC04, WC06, WSEA99, XAG+20, Yan00, Yan08, YYC09, ZHM07, ZHJ+23, AA17, PBZM19, CCQ98, CH00, MW97, MHT14, MWG97, PBSV+06]. Basic [AG22, VMP+00]. Batch [LYL+19]. Battery [MRL+19, NSS+16, Rak09].

[CHBK15, CIX15]. Burst-Writes [CIX15]. Bus [GG99, Yan19, JWL+03, LCOM07, LV02, OW06, SCJ01, YW09]. Bus-based
[GG99]. Buses [Yan17, YGZ04]. Butterfly
[ZYP17], BxP [EJR22]. Bypass
[PMT20, YKCG14].

C [LWC18, RMPJ08]. C-Mine [LWC18]. C-testable [RMPJ08]. C2RTL [ZL+16]. Cache
[AKM+22, BFG+19, CPS16, CAOM19, DJP21, GD22, GG04, HWX+14, JZZY15, JLK15, KLI14, LYLW17, MACV14, Mit16, NTS1A8, NAK20, SSS+19, SABA15, SMBT19, SAL19, TYSF20, WDLD17, YPCF17, Giv06, JS13, LMW99, LSL+13, PDX97, SLZX12, TKVN07, TY97, VS12b, ZYDP08, NTS1A8]. cache-coherence-enabled [LSL+13]. Cacheline [PBL+17]. Caches [CK19, CB17, SYX12, CXK+13, LSDV10, ZP08]. Caching
[WQC+16, HCK13]. CAD
[BS+19, HAW20, KLSZ09, KLSZ11, LZR23, LYM+20, NPH+20, NSP+20, SB98, Vah02]. CAD-Base [BS+19]. CAD/EDA
[LZR23]. calculation [RCD07].

Calibration [CCMC20, PMB10]. Call
[An13, CH10a, Ped11, KLSZ09]. CALM
[ZYP17]. Cameras [YMB15].

Camouflaging [ISK21]. CAN [LMS16].

Cancellation [LTYW12, FIR+97]. Cap
[HC17]. Capability [EW18b]. Capacitance
[XLS15]. capacitive [LXCH04]. Capacitor
[HWCL15, HWCL13]. Capacitors [SCK18].

Capture [PTC+15, XCW12]. Carbon
[WSH+18]. Carbon-Nanotube [WSH+18]. Care
[DV23, TPC+17]. cares
[CBMM10, SGK08]. Carlo
[FZL+23, GLY+12, ZFL22]. Carrying
[IPWW17]. CASCA [DZS+18]. Cascade
[YYL+15]. Case [APDC17, CH17, LLP+16, LYM+20, RCW22, RPR+21]. Cases
[LWC18, KFH+08]. Causal [CBC22].
caused [SLL98]. Cayley [CCH15b]. CCM
[TWL16]. CDTA [YFT17]. Cell

[ACF+11, CZZYW21, DBK+18, JZZY15, KRL15, TRM+16, WPR+19, WC10, XNZ+15, JCS+08, KB90, LCZ+08, MRB+11, MS00, RS03, SSSC10, dW97]. Cell-based [WPR+19]. Cells
[HWGY16, JCK+18, MJ19, SM+16, GH00, TS96]. Cellular
[PSP21, KT01]. CeMux [BH22].

Centralised [CK19]. Centrality [SSN22]. Centric
[WGSH16, XLN17, ZHOM08].

Centroid [WLLH16, HWCL13]. Chain
[BS+19, LHC16, Pom17b, RNR+21, SL+19, XRS+19, YFT17, YSF+18, YFT18, YBS+18, GKM05, RMK03, TYH08, WPHL08]. chained [KC13]. Chains
[Pom16b]. Challenges [BRCS18, MRL+19, XLN17, Ped11, RBA+12]. Change
[JS18, LLP+16]. changes [LG12]. Changing
[MMP+22]. Channel
[BDDB19, CGLH23, DZS+18, JM14, LQD22, PP+15, ZBFP18, FLWC07, HSA+04, LKY13, LM21, NPH+20, Yan00, YCHT00]. Channels
[BS+22, GNGT21, JLJ15, DSKB04].

Chaotic [CSC+21]. Characteristics
[CFD+16, DHZL23, JLF+12].

Characterization
[KRL15, MMP+22, SRC15, BW00, JCS+08]. Charge
[VA17b]. Chassis [APD+11].

check [CL13, YCHT00]. checker [BZ08].

checkerboard [GC96]. Checking
[AA17, KW16, AGM01, BK10, CNQ13, Fuj05, HMB98, KMS12, YWGI09].

Chemical
[LTW+16, BTP+20]. Chief
[An13, Hu20]. Chip
[ADB+19, ALL17, BHK17, BD14, BDBB19, CK19, CM20, FHL+23, GAD19, GSD+18, HAB+17, HZS+19, IHM15, JL15, JNS+17, JZZY15, JMG14, KBV+15, LDD+18, LDD+19, LW17, PMT20, PGC16, SCK18, SMBT19, STWX12, SGGR14, WLT08, XSI6, XCF18, Yan16, YKCG14, ZHC+21, ZYS12, ZYPC17, AYM05, APB+08, ADS+09, BM13, Cha01, CKA07, CSC08, CXK+13, CBR+05, CCL04, DNT20, HDL+12, JP12,
Chip-Multiprocessors [HAB+17].


circadian [CCY22, HCZ+12, SCK]. LYSO19, LH11, LQD22, RJBS09, SMYH07, Sh20, SCK+23, TWL16, WSH+18, WKC12, ZFL22, ADM+13, AJM13, BDB98, CSC08, CBM10, CSX+05, DL11, GMSSS02, HRP00, LLQ+03, OW06, RCD07, SPMS02, YH97, YM+13. Circuit-Averaging [TWL16].

Circuit-simulated [SMYH07].

circuit-switched [CSCO8]. Circuits [BJX15, HDB22, HZL+22, JZG21, KKS16, LD17, LSZ+21, LS22, LLM+23, L2Z1, PB12, Pom16b, RGM15, SHD17, SCK+23, WTR12, XAG+20, ZSY18, ZHJ+23, BLM00, BLR06, BC05, BASB01, CSKR05, KLKK06, CACS05, Che06, CPR+02, DC07, DD02, EM003, HVF+01, HH09, HWC13,

KJK03, KOS09, KVMM08, LH09, LON08, LFG+09, LTPR+13, NS03, PL98, PSK08, PR98, PR09, RNGL05, SNH02, ST99, WV02, ZCG06, SCS10]. Clamp [VEO16].

class [SB98].

Classification [GAT+21, MS17, VNS19, RAKK12].

Classifiers [ALL17].

cleaning [JS13].

clean [DW97].

client-server [DW97].

CLIP [GH00].

Clock [EK16, HN07, HYN15, KK14, KK11, KKS16, LLL+18, LNG+16, LTL1, LS17, OCK19, TCW20, UE22, WCC14, WKC12, WWW+12, BDM+99, BDB98, CGN96, CM08, CHH09, CKKT98, GHW+12, GWR13, HTCP13, LLHT12, LLLC13, PL98, SSGS03, TDF+09, wATK02].

Clock-Aware [LLL+18].

Clock-Gating [WKC12, BDM+99].

Clock-Tree [KKS16].

Clock-Tree-Aware [LNG+16].

clocked [BD00].

Clocking [BPTB17, MR05].

Cloning [JNCS19, Vah99].

Close [Pom18b].

Close-to-Functional [Pom18b].

Closed [CW01].

closure [LC14, YYY07].

Cloud [BD14].

Cluster [CM19, DD02, LJ02, SB98, KJR+07, IWC07].

Cluster-aware [DD02].

Cluster-cover [SB98].

Clustered [CMD10, GKB07].

Clustering [XL+16, CC06, HCL07, MLMM08, SPMS02].

clusters [OWH08].

CMAPS [Hsi00].

CMOS [ACF+11, ADB+19, CFD+16, GH00, LTH99, PHK02, WSS+18].

CMP [CXX+13, WSX16].

CMPS [CA09, SYX12].

CNN [LCJ+22, LYM+20, MS23, TZZH22].

CNN-Based [MS23, LYM+20].

CNNFlow [NM23].

CNNs [PRK02, WDD+23].

Co [CVMP19, CRR+22, Hu01, JSS+19, LCG+22, PGGD23, SKM+16, WWFT12].

Co-design [CRR+22].

Co-optimization [LC+22].

Co-scheduling [PGGD23].

Co-Simulation [SKM+16, WWFT12, CVMP19].

Co-synthesis [Hu01].

Co-Training [JSS+19].

course [KLSP11].

course-grained [KLSP11].

current [K01].

Code [AMR00, AM98, CL99a,

FHHR21, MLH+17, TY97, BH10, DHV+00, KMS12, KNDK96, K10, LP03, LB00, LLTD98, LDLK99, OKC08, SR12, SB+06, SM00, VMP+00, VLOK01].

Code-Injection [MLH+17].

code-motion [DHV+00].

codes [RM09, WHXZ13].

Codesign [BM11, CM00, FIP+97, GABP00, GGB07, HKL+07, SCV09].

Coding [WL+21].

Coefficient [APDC17].

Coexistent [BBEB15].

Coffee [RJL+09].

Cognition [HX+18].

Coherence [GD22, HWX+14, LSL+13, ZYDP08].

coherency [VSL12].

Collection
[GSD+18, HCL+14, ZLW+15].
Collection-Induced [GSD+18]. colony [WGDK07]. Coloring [ZLY+15, CML08].
Combinational [CD96, LD17, EMO03, KT96, KOS09, PR98, RJBS09, TN99].
Combinatorial [AM05, VLH04].
Combining [ETAV18, LFST21, SPG+08].
CoMETC [ANR13]. commercial [MPDG09].
Common [DHB16, LWC18, WLLH16, ZYZ+13, HWCL13].
Common-Centroid [WLLH16].
common-centroid-based [HWCL13].
Common-source-line [ZYZ+13].
Communication [CARH18, KPF16, SRTG19, YP10, ADS+09, GBK07, GG99, LCOM07, MOZ06, PPD09, PBSV*06, ZM07].
Compact [LJ18, MAS16, SYH+22, WTR12, XCW12, HVF+01, YHL07].
Compacting [PL03].
Compression [Pom15a, Pom15b, Pom20, EMO03, MHD+04, TBZ13, XLCL13].
Comparative [MLG12, PB14]. Comparing [VGG19]. Comparisons [PKC+21].
compatible [SGK08, WWC04].
compensation [CFHM09]. Compilation [SFM+19, SBH+06, YHL07, KLS+11, MSR09, VLG01]. Compile [KNRK06].
Compile-time [KNRK06]. compiled [PHM00]. Compiler [LHS20, LPD+17, LLHT03, SMBT19, SYH14, WKL+18, XPSE12, BD08, GGDN04, HG07, KRS06, SGG12].
Compiler-Assisted [SMBT19].
compiler-direct [HG07].
Compiler-in-the-loop [XPSE12].
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 [HWL+23, LH14, PG15, RSR01].
Component-Based [PG15].
Component-Composition [LH14].
Composable [VGG19, WTL+13, HGBH09].
Composition [LH14, AG22].
Compression [BLNK14, EK16, BH10, JCS+08, LCT03, LDK99, NT05, OKC08].
Compressors [SMS22]. CoMPSoC [HGBK09]. Computation [BFG17a, CV17, CARH18, EJR22, FHL+23, KCKG16, MOZ06, Pom17a, BL00, GMSSS02, HLCH07, HW00, Kag05, WYIG07, YH97].
Computational [BCC08]. Computations [CXR+22, CXY+23, ENP20, ARLH06, LPP00, PGB01]. Compute [HJY23, LPL+21, TCP07].
Compute-in-Memory [HJY23]. Compute-in-Memory-Based [LPL+21].
Computer [MFHP12, CSL+07, MBB01].
computer-assisted [CSL+07, MBB01].
Computing [BMDG17, CDB11, HXZ+23, JSS+19, MHA19, NRD19, SN10, WLH20, XGC+20, YBM+21, ZXC+23, CLQ12, LC96, NR01].
Concept [AM10]. Concept-based [AM10].
Concurrency [SSG12, SEN11].
Concurrency-aware [SSG12].
Concurrency-oriented [SEN11].
Concurrent [SOC06, WH20, Edw03, EY12, HCLC98, LC13, RBA+12]. Conditional [CLH12, CCH15b, KW02]. Conditionally [CSC+21]. conditions [HN07, YH97].
Confidence [JT98]. Configurable [EAAK+23, LSPC14, BD08, LCD07, SPG+08]. Configurations [HABS15, BHS11]. Conflict [GSD+18].
Congestion [RGM15, SYL09, SAHF+20, YWK+03, LCJ+10, RL13].
Congestion-Free [RGM15]. connection
connections [YCCG03], conquer [HPK99, SW12], Conscious [LLP+16], Consecutive [Yan17], Consideration [JD18, LYLW17], considered [HN07], Considering [BHLG19, CCK+18, GC18, JOH17, WCCC14, KPR06, LH13, LTPR+13], Consistency [YP10], Consolidated [HC17], Constant [CHC+16, GYT12], Constant-Cost [CHC+16], Constrained [LLM01, LLLL18, PBF+22, Yan18, BG01, GOC02, LSDV10, MMP00, NG06, NR01, OKC08, SCB01, WG11, WLH20, WLCJ09, XPK+21, YWW10, ZHOM08], Constraint [KKLG15], Constraint-Based [RS18], Constraint-driven [MRMP08], Constraints [CLC20, DBK+18, Kuc03, MN17, Pom16a, Yan17, BD05, CSAHR07, Hu01, QS09, SSP04, wATkK02, VHLH98, WGWG08, ZAZ13, ZW98], Constraints-driven [Kuc03], Constructed [ZXC+23], Constructing [DSRV02, JZYZ15], Construction [EK16, HGLC16, LLLL18, CM08, LH09, LYKW09, Yan08, ZCG06], Consumption [FG18, Kan06, TKVN07], Contact [YLZ+17], Contact-Hole [YLZ+17], Containing [WWW+12, LAS01], Content [HHK+17, RB19, MLC08], Content-Aware [HHK+17], content-based [MLC08], Contention [CHA+23, DJP21, KLJ14, ZYPY17], Contention-Aware [ZYPY17], Context [RG19, BDC08, JHL02], context-aware [JHL02], context-triggered [BDC08], Context-Varying [RG19], Contiguous [KKG15], Control-Flow [FHHR21], Control-system [CGLH23], Controlled [TRM+16, DL11], CController [KMR18, SSL17, GF06, HMLL11, LC14], Controllers [LVS16, PDS12, BDM+99, Fu05, NCP01], Controlling [KY16], controls [YHL07], conversion [ZLL13], Converter [FZL+23, SGGR14, WDC+22, ADS+09], Converters [SBB+18, TLW16, WGT+17, JR97], Convolution [HLW+23], Convolutional [MNMK+21, NM23, NGL+21], cooling [ANR13], Cooperative [LHF12], cooptimization [ZLL13], Coordinated [ANR13, DJP21, GGDN04], COPE [DJP21], coprocessor [GDTG07], coprocessors [SCV06], Core [CAOM19, CYH19, ETAV18, LHL01, SBV+20, SESN15, WTM+16, WDC+22, WDLX21, CCL04, GD22, LBV+06, LG23, RAKK12, SEN05, SVZ+12, ZXC09], core-based [CCL04], core-external [ZXC09], Cores [SFN+19, WGS16, GG04, LV02, SSGS03, ZXC09], CoreSight [LLH+17], Corner [KQP+19, MHD+04, Meh98], correct [ADS+09], Correcting [PGCB16], Correction [DZ18, RM09, WHXZ13], Correlated [SCL+22, SXZV13], Correlations [LYSO19], cosimulation [FLPP09], Cost [ABC+17, CHC+16, JPHL16, MHT14, MJB19, QS09, BPRR98, BWB14, Giv06, HCK13, LG12], Cost-Effective [JPHL16, MHT14], cosynthesis [Hsi00, Wal96], Counterfeit [YFT17], Countermeasure [HYK+20, OK20], Countermeasures [CPK20, DZS+18], Counting [PB12], coupled [LMB+12], Coupling [LDD+19, KJMK03, LCH04, SKCM06], coupling-aware [KJKK03], covariance [KPR06], cover [SB98], Coverage [AKAKP18, CVY+14, CM13, IE12, Pom22,

Defined [JHMGS18]. Definition [BC16, Pom15c, ZLG+19, CCC+09a, VCLD03].

Deflection [LLKC13]. Degraded [SLC+22]. degree [CT13, TP08]. Delay [EAAK+23, FYCT15, JLJ15, JK10, JOH17, LW21, MCD12, STJG16, XCW12, ZK15, BD98, CFHM09, GS00, GMSSS02, HR06, KJKK03, LLHT12, MT02, MKW09, PT06, PMB10, PR98, PR96, RCD07, SC00, SSP04, TD03, WVVY99, XCLL13, XPSE12, YH97, YHL+11]. Delay-Adjustable [LW21]. delay-area [XPSE12]. Delay-Fault [LW21]. delay-sensitivity-based [PMB10].

Delivery [CAP+23, XLS15, ZFLS11, ZLL13]. Demand [AAA15, PBF+22, SKS+18, WQC+16]. Demand-Based [WQC+16]. Demand-Driven [PBF+22, SKS+18]. demonstrable [JW08, LP07]. Dense [BYT22].

Density [RM23, FLWC07, OWH08, ZYJ09].

dependence [DH06]. Dependencies [BR12]. dependent [BLM00]. depth [CH00, LH09, ZCG06]. depth-optimal [CH00]. depth-size [LH09]. derive [GS00]. derived [CACS05, Zhao08]. Describing [RHA08]. description [MSD06, PHM00, SSG12]. descriptions [Fuj05, MWG97]. Design [ADB+19, ABC+17, AFM14, BJX15, BH22, BS14a, BZWZ17, BS14c, BSP+23, BHLG19, CK19, CD09, CH10a, CH10b, CPX14, CHZ+16, CSC+21, CRC15, CGLH23, CO18, DZS+18, DK22, DNT20, DHB16, EAP17, FZL+23, FHL+23, FLG+23, FCZ+23, GAC2K, GdRM21, GCZ+15, GHYR19, HCRK11, HXB+22, HMMG+20, HLG+15, HHH+21, ISK21, JWA+03, JL15, KKLPI15, KGS+20, KP22, KLZ09, KLZ11, KL15, KKS16, KAC+23, KSD+22, LLP+16, LW17, LIJ+22, LF12, LHK+15, LZZS15, LQD22, LPL+21, MED23, OT15, OHL19, PD21, PMT20, PKC+21, PDS12, Pom14a, Pom16a, Pom18a, RFG20, RS18, SSK+23, SMBT19, Sch17, SBY+20, Shi20, SPD+09, SGGR14, SHBH21, SYGC22, SHN12, SES15, SYX12, STGR15, SCL+22, TYSF20, TCL14, VGG19, VAI17a, VEO16, WWCT18, WPR+19, WS22, WDC+22, WSS+18, XPF+21, XLS15, XNZ+15, YPCF17, YD16, ZLG+19, ZYS12, ACT13, AHL+08, ABP+08]. design [AMM+06, ADP+07, BC05, BW00, BFP08, BASB01, CWW96, CIB01, CSL+07, CBR+22, DRC98, DTC+09, EK97, FLWW02, FLW07, FW00, FR97, GPH+09, GM03, GABP00, HV07, HA05, HLC17, JB08, JP08, KSS+09, KG09, KCA04, LC13, LSL+13, LFG+09, LCL08, MOZ06, MB01, MP07, MLG12, OCRS07, PB14, Ped96, Ped06, PBSV+06, PW99, RFYL98, RS98, SW12, SGB10, SYL09, SSS10, SUC01, SS11, SZV+12, TW96, THL+13, VAAH+98, Voe01, WAQ98, WKR09, ZHM07].

Design-for-manufacturability [WPR+19].

Design-for-Testability [Pom16a, Pom18a, Pom14a].
HMB98, KI01, KK11, KHW97, LCHT02, LLHT12, LAS01, LCKT12, MS00, MR96, RMKP03, Sen11, SSCS10, SNL12, WTL+13, Yan11, ZMTC13. Destination [RL13]. Destination-based [RL13].

Detailed

[DrRJM21, MJB19, CBHK11, PWY05].

Detecting [DY23]. Detection [CBO+18, HDZ+20, JYY+22, KO01, LXWC20, LYM+20, LL19, LM21, PTPB22, Pom16b, Pom17a, VTC20, WH20, YFT17, ZHC+18, CR12, DHZ+11, FNP09, KI01, KRK98, KSA+10, LM05, PR07, RM09, SCCH08, TDE08]. Determined [Pom18a]. Deterministic [EY12, KBV+15, LB11, ZHC+21, KT01]. Deterministic-Path [ZHC+21]. Deterministic-path [YW09].

detour [RL13].

detours [Yan19].

developing [SMSB05]. Development [THT12].

developments [Lin97].

device [GHYR19, HXZ+23, ZXC+23, TZZH22]. Device-Based [GHYR19]. Devices [CLL+22, GAT+21, HSP+22, KP22, Kha12, LPLK22, LKH19, PGGD23, PTPB22, SVK17, XPY+21, JCS+08, ZYX+13].

DFT [DDFR13, PTC+15]. Diagnosability [CLH12, CCH15b, CH13, HLW+23, LH14].

Diagnosing [DDBB19]. Diagnosis [HFMB20, Pom17b, PA21, SBB+18, WH19, WH20, CML98, KI01, TYH08]. Diagnostic [HFV+01, HFMB20]. diagonal [DSKB04].

Diagram [HZL+22]. Diagrams [CM19, KC08]. dictionaries [LCT03].

dictionary [HH09]. Diet [LS23]. difference [Das09]. differentiable [Con06].

Differential [JD18, LLP+16, DDFR13].

Differentialized [WHXZ21].

Digital [CM18, DZCD15, GLD+22, JYYH21, LHC16, LKC+18, MFHP12, MGR+15, MWK21, PGCB16, PBF+22, RB19, RCK+15, RB21, SKS+18, SOS15, VBP+19, CPW04, RS03, SR12, SOC06]. Digitally [ZK15]. Dilution [GHYR19, KGS+20].


Directed [IE12, QM12, WLM21, CM13, HLCH07, HG07, LKTD98, MD08].

Direction [Yan18].

Direction-Constrained [Yan18].

Directives [SCL+22]. Discharging [HLCH07]. Discovering [NGL+21].

Discrete [HLG+15, LGG+14, MLG12, SV16].

Disjunctive [WYIG07]. disk [CD09, SLXZ12]. Dispatching [WHRC12].

Displacement [BFG+19]. Dissipative [ZMS+19]. Distance [HRK18, LKLC22, LDLM20, NAK20].

Distance-aware [LKLC22].

Distance-based [NAK20].

Distinguishability [AGM01]. Distributed [CGLH23, EAP17, HX+18, JJJH21, MKV+18, SCK18, WLM+19, YMB15, CFX09, LC14, PEPP06, Wol96, dW97].

Distribution [JCK+18, SSO16, WDD+23, KSA+10, SW99].

Distribution-Aware [WDD+23].

Distributions [KYL16, STJG16]. Disturb [LHS+21].

Disturbance [SBB+18].

Disturbance-Free [SBB+18].


divider [EKEK22].

Division [PY20].

DME [wATkK02].

dNN [CS02, GYZ+22, HWDQ22]. DNUCA [DK16].

domain [FWCL05, IA01+09, JBC+10, LTPR+13, SCV06].

domain-specific [SCV06].

Domains [WWW+12, LBV+06].

dominant [VCLD03].

dominated [FRS97, KI01, LDKM20, MWG97].

domino [KJJK03, ZS02, CLKL06, NTSA18].

Don't [DY23, TPC+17, CBMM10, SGK08].

don't-cares [CBMM10, SGK08]. Dot [RBWB20, RB21].

Double [HWDQ22, SHL+19, XYG+16].

Double-Shift [HWDQ22].

DPRTM
ZYW+18, ZLG+19, ARLJH06, CD09, Das09, EKEK22, FNP09, GM03, GBC07, IBMD07, JS13, JP08, KL05, LCD07, LH13, MR96, MR05, MP07, MWG97, SGD10, SLXZ12, SKR+22, SHN12, SZV+12, VKKR02, Wu09, ZSZ10, ZYZ+13, Zho08, LCG+22.

**Efficiently** [RCG+08, TY19, ADM+13]. **Eh** [DKT+16, DBK+18]. **Elastic** [LYL+19, SZB17]. **Electric** [AKM+22, YA17b]. **Electrical** [BHLG19]. **Electrode** [RBWB20]. **Electromagnetic** [JIR+21, WFSS20]. **Electromigration** [DNT20]. **Electron** [HCW+16]. **Electronic** [CH10a, HHH+21, KLSZ09, KAC+23, SSK+23, HV07]. **Electronics** [BSP+19, CPX14, XRS+19, CH10a]. **Electrostatic** [LDD+19]. **Electrostatics-Based** [LCC+15]. **Elements** [HMGV17]. **Eliminate** [Mut09].

**Eliminating** [SHLL98]. **Elimination** [LHF12]. **Elite** [ZKS+16]. **Embedded** [BMdG17, BD14, BS14c, BM11, BYT22, CHA+23, DFM15, EAP17, GAT+21, HCL+14, IK19, IGN18, JHH21, KC10, LS23, LL15, LHL16, LHK+15, LL19, NSH+16, OHA19, PG15, RFG20, SPT+17, SL18, SLV+22, VBP+19, WHRC12, XPZ+18, XPS+21, YP10, AM10, BPRR08, BHI0, CSHA07, CMM00, CSL+07, CM13, DCC07, DCK09, DRG98, GDTG07, GPH+09, GG04, GABP00, HKL+07, HV07, HCK13, IAI+09, JS13, KNK96, LJ02, LCZ+08, LSDV10, LB00, LMW99, LDK99, MBB01, MDG98, ML09, NG06, NR03, PDN97, PDN00, PCD+01, PHM00, PEPP06, QSO9, RSR01, SR12, SUC01, TKVN07, WAZ98, W096, XZC09, ZYD08, ZP08].

**Embedding** [CM18]. **Embeddings** [CM19]. **Emerging** [BRCS18, SN10, YPCF17, BC08]. **Employing** [GS13, ZK15]. **emulated** [THC+14]. **Emulation** [ALLE20, LTZ22, ADP+07, HMGV13, KRK98, MW97].

**En/Decoder** [SJL23]. **Enable** [CLL+22, TZZH22]. **Enabled** [CXR+23, XRS+19, YSF+18, LDD+19, LSL+13, SL+22, YFT18]. **Enabling** [BSP+22, IK19, JS13, SYGC22, ZHOM08]. **Encoder** [CAP+23, QSW+15, SLV+22]. **Encoder-Decoder** [CAP+23]. **Encoding** [MDR15, OT15, PMP17, YMB15, ZLG+19, KJ04, LCD07, LW07, NT05, RTNL05, YGZ+04]. **Encryption** [Che18]. **End** [ENP20, SJL23, GABp00]. **End-to-End** [SJL23, ENP20]. **Ended** [RM23]. **Endurance** [CHC+16, CCK+18, HHK+17]. **Energy** [BFL10, CYY22, CBC22, CSO22, DRM10, EKEK22, ENP20, GAD19, GT21, GFJ16, HXB+22, HSC+18, HSP+22, JDD20, JSS+19, JPHL16, KC10, LDD+18, LW+23, LF12, LW18, LMA+16, MNMK+21, MBD+20, MR05, NTSA18, PMP17, RB19, SMS22, SRC+15, SKR+22, TLC16, TYSF20, TBCH17, WH05, WKL+18, XP+18, XPS+21, YPCF17, YP10, ZHTC09, ZMS+19, ANR13, CSHA07, CLQ12, GBC07, HG07, HW00, JS13, JCS+08, KSK+05, KRS06, Kan06, KC13, KJR+07, LSL+13, LC07, MED23, MRO6, OK08, SLXZ12, SHN12, WLL+11, WU09, ZAS13].

**Energy** [LWX+23]. **Energy-Aware** [HXB+22, TBC17, ENP20, JDD20, MBD+20, WH05, JCS+08]. **Energy-constrained** [XPS+21]. **Energy-Efficient** [CCY22, CBC22, DRM10, GT21, GFJ16, JSS+19, KJ010, LDD+18, LF12, MNMK+21, NTSA18, PMP17, SRC+15, TLC16, TYSF20, WKL+18, YPCF17, EKEK22, MR05, SKR+22, SLXZ12, SHN12, WU09]. **Energy/thermal/cooling** [ANR13]. **Engine** [LLL+18, TMDF10, CNQ13, DP02, DP04]. **Engineering** [AYS20, CM18, EAP17, GDTF17, WSS+18]. **Engines** [HKL+15]. **Enhance** [DLC+17, GS13]. **Enhanced** [CYH19, LKH19, Pom15a, TWL16, FWCL05].
Enhancement [HWCL13, LCKT12].
Enhancements [Che18, PKC+21, ZAZ13].
Enhancing [CKK+18, NRDB19, PPP+15].
Enlarged [ZS16]. Ensemble [WB16, WH19, WLH20]. Ensure [SLC+22].
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].
Estimators [XK97].
Estimating [CM19, GS00].
Estimation [APDC17, APS18, BZWZ17, LD17, LZY+23, NSP+20, PB12, SNH02, SSN22, TC98, WXH+19, ZLG+19, CIB01, DTC+09, FLPP09, HKV+07, JT98, KCA04, KNRK06, LMW99, MHF96, ZSZ10].
estimators [XK97].
Evaluating [JBC+10]. Evaluation [BBEM15, EBR+09, GD20, GQW19, HBFW14, IYF+21, LFS121, LTZZ2, QBTM16, CHY05, JLJ+12, LCM07, PB14, SGJ96, WSV+14]. Event [KRL15, MCD12, RCD07, YH97, ZKS+16, CBR+05, HW00].
event-based [CBR+05]. event-driven [HW00]. Evolution [PSK08]. Evolutionary [JYHY21]. EWD [MPSJ07]. Exact [EAAK+23, EKS+14, Sch17, FLWC07, FNMS01, NR01]. Excitation [SOS15].

exclusive [DK08]. Execution [APDC17, GDD21, HLT+22, LSCK20, NRDB19, VGG19]. EXFI [BPR98].
Exploiting [GSD+18, JKL15, OT15, WKC12, WHXZ13, DSRV02, FW00, Kan06].
Exploration [FLG+23, FCZ+23, GACK22, HMMG+20, LLLL18, MA16, RFG20, RS18, Sch17, WS22, APB+08, CSL+07, EK97, JP08, KSS+09, LCOM07, MBB01, MSD06, PB14, PPDK09, RJL+09, SW12, SUC01, VCLUD3, XPSE12].
Exploring [CK19, TLF16, WGDK07, YPCF17].
Exponential [APS18]. Express [JIA18]. expressions [SGJ06]. Extended [WWFT12, CK96, YTHC97]. Extensibility [SGC+14]. Extensible [KAKSP16, MP07].
Extreme [Pom15b].

fabric [MSB+09]. fabrication [WLT08].
factorization [BOC00]. Factory [DZCD15]. FACTS [VMP+00]. Fail [PAV17, PA21, BBW14]. Failure [XNZ+15].
Failures [YYL+15]. False [AKAKP18, AL19, GGBZ02, SHLL08]. False-noise [GGBZ02]. family [BD05]. fan [LH09]. fan-in [LH09]. Fast [CPW04, DK16, DNT20, GDRJ21, GLY+12, HGLC16, IHM15, JZY15, KKL15, LZY+23, LH11, SMBT19, SGD10, STW12, TES02, TZ17, ZHJ+23, CCW08, GMN+13, GBC07, JHL02, KT96, LC14, LCKT12, NR01, SBGD13, SGJ96, YTHC97].
Formally [KRH18]. formats [AMR00]. Forming [PR07]. FORTIS [CST16]. Forward [GSFT16, LHS20]. Foundation [TB20]. Four [HGLC16]. Four-Step [HGLC16]. Fourier [LCC+15]. FPGA [AMM+18, ACT13, ALLE20, BS14c, BHS11, CWW96, CZW+03, CH00, DP02, EW18b, FW00, FHHR21, GPK+09, GVJ15, HABS15, HYK+20, HLHT08, HW14, JLF+12, KT96, KL05, KFH+08, LKM04, LLL+18, LM19, LZA+21, LDX22, MMM+22, MW97, MA16, MP07, M21, OK20, PSD21, PL98, PIMT20, PSNC18, PFAH22, PY20, SLV+22, SYG22, SAHF+20, TZZH22, TW96, ZLG+15, ZHTC09]. FPGA-based [MW97, ALLE20, PSNC18, DP02, GPK+09]. FPGA/FPIC [CZW03]. FPGAPRO [LDX22]. FPGAs [CZW00, CEB06, CHY05, DVA02, GNGT21, GDG+08, KNRK06, LZY+23, LB11, MCZ+16, MLMM08, SPM02, Tos02, VKT02, WG11, WS22, WLC02, WSEA99, YGH+10, YYL09]. FPIC [CZW+03]. Framework [CSC+21, DK16, DSHD23, GACK22, GDFT17, HWDQ22, HLZ+22, HRC21, JHJ21, JSS+19, JPHL16, KPB19, LL15, LZY+23, LIK22, LTZ22, LDX22, MBB+20, NPH+20, RG19, RB21, SKM+16, THT12, WLZ+19, WWFT12, XPX+21, YP10, ZLL+16, ZFL22, ADP+07, HR06, HV07, KJK+08, KH01, MISP07, MP07, RPSC05, SB98, SBH+06, SS11, ZM07]. Free [RGM15, SBB+18, BLP06]. frequencies [PL03]. Frequency [GC18, JPHL16, WTR12, WGS16, GM08, JDT+08, LTPR+13, ML09]. frequency- [LTPR+13]. Frequent [YGZ04]. FSM [AGM01]. FSMs [CK16]. FTT [NGL+21]. FTT-NAS [NGL+21]. FUBOCO [AG22]. fuel [LCZ+08]. fuel-cell-battery [LCZ+08]. Full [STWX12, HDL+12]. Full-Chip [STWX12]. fully [FW00]. Function [CSC+21]. Functional [CVMP19, DCK06, FRS97, PR98, Pom15b, Pom15c, Pom16a, Pom16c, Pom18a, Pom18b, Pom19a, Pom21a, Vah99, AG22]. Functionality [BFV15, HLCH07]. functionality-directed [HLCH07]. functions [BC11, CCQ98, TW96]. Fundamental [SBY+20, XLSN17, Voe01]. FUNI [LIA00]. Future [HAB+17, KBV+15, ZCY+17]. FuzzRoute [RGM15].
KNDK96, KH10, LTH99, LP03, LKTD98, MMP00, MSD06, MD08, PFHAH22, PR98, PR07, Pom13, QM12, SR12, SNL12, SM00, TBZ13, VMP*00, dW97]. Generative [FLG+23]. generator [BCR+08, WWC04].
generic [FLWW02, FLWC07]. Genetic [MA16]. Genetic-Algorithm-Based [MA16]. Geometric [CM18, WJYZ11].
geometry [JCGP05]. Global [AOC02, BM11, GD22, RGM15, WSH+18, CLYP09, DHV+00, SPA+03, ZHTC09].
grading [PT06]. Grain [LG18]. Grained [BYT22, RCW22, KLSP11, LPY+20].
Grammar [JHMGS18]. Granularity [RBWB20]. Graph [CH17, CBR+22, CXR+23, FCZ+23, HRC21, HLW+23, JHMGS18, JOH17, LB00, LJL+23, OKJH22, SSK+23, SS14, WYCY10, WC06].
Graph-based [LB00].
Graph-Grammar-Based [JHMGS18]. graphene [YMC+13]. graphical [BLR06].
GraphPlanner [LJL+23]. Graphs [ASAP17, BFG17b, CM18, CCH15b, ENP20, HPB11, LH14, CH13, DSK01, HKB+07, LKTD98, MWF96]. Gravity [OS03]. Grid [DNT20, HXC+18, LAYZ23, MN17, SCK18, ZS16, MFS09]. gridless [LCC11]. Grids [BS14b]. GRIP [JHMGS18]. Ground [LHJ12, YHH09]. Grouping [XCW12, KSA+10]. Guarantee [MN17].

Hamming [HRK18]. Handling [DH06, GdRJM21]. Hard [CHBK15, CWL+22, WDZG16, PW99, QS09].
hard/soft [QS09]. Hardened [BS14c]. hardness [WYC10]. Hardware [ANS+20, BS14a, BSH+23, BM11, CMM00, CBR+22, DY23, DZS+18, GFJ16, GQW19, HJY23, IPWW17, KTKO13, KP22, LG18, LHF12, LF12, LPL+21, MED23, MRL+20, MFHP12, MRL+19, PTPB22, RB19, SKR+22, TY19, VTC20, XFJ+16, YSE+18, YCL+20, YBM+21, YG+10, ZLG+19, AMO05, BHDS09, BGM04, FNP09, GGBK, GPK+09, HKL+07, HBC+08, JW08, KSK+05, KG99, LP07, LV03, MSB+09, MLC08, ML09, RHA08, SSG12]. Hardware-accelerated [RB19, MLC08]. Hardware-Assisted [GFJ16]. Hardware-aware [HJY23]. Hardware-Based [BS14a].
Hardware-Efficient [ZLG+19]. Hardware-Enabled [YSF+18]. Hardware-Software [BM11, GGBK, HKL+07, LV03].
Hardware/Software [LHF12, CMM00, KTKO13, YG+10, AMO05, ML09].
Harnessing [RBWB20]. Harvesting [SAL19, XPZ+18]. hash [YTHC97]. Hashing [CJJK19, JCK+18]. hazards [HA05].
heartbeat-detection [DHZ+11]. Height [CZZYW21]. HeM [AJK+21].
Heterogeneous [AKJ+21, ETV18, GAGD19, MB+20, RS18, SPT+17, SVK17, SSL17, SAL19, SWT23, TBC17, XPS+21, BWB14, CL99a, HV07, KJR+07, LKLY13, PTC05, QS09, SCB01, SKS12].
Heterogeneously [ZP08]. Heuristic [AKAP18, HGLC16, CLM+10, LCKT12, OCRS07, SBGD13]. heuristics [TN99].
HEVC [SLV+22]. Hidden [HYK+20].
Hierarchical [CV17, HWL+23, JDD20, 19].
LMB+12, LJ18, MSKBD07, OKJH22, SKR+22, TZ17, WMT+16, WLH20, XT16, BG01, HKV+07, VKK02, ZM07.

Hierarchy [CM19, FW00]. High [AKAKP18, Ali12, CSC+21, CET16, CS22, CK16, DKT+16, DBK+18, DLC+17, EKEK22, FCZ+23, GHW+12, HIW15, HSP+22, ISK21, JD00, LLL+18, LYKW09, LQD22, MACV14, NSF+20, PSD21, PRKK21, PTC05, PFHAH22, RCW22, RJ14, RM23, Sch17, SYH+22, SS14, SLV+22, VAAH+98, WMT+16, WS22, ZYW+18, ZLG+19, ACT13, AYM05, BHW+13, BD00, CCC+09a, GDTG07, GF06, GGDN04, GWR13, HJ08, JP08, KW02, KJT04, LJ02, LC14, Liu97, LFG+09, MKBS05, MJM11, MLMM08, NS03, OW06, OWH08, PB14, RFYL98, SW12, SLXZ12, TC98, VKK02, XK97, YWW10].

High-Dimensional [SYH+22]. High-Level [CET16, CS22, FCZ+23, ISK21, RCW22, RJ14, Sch17, SS14, SLV+22, JD00, NSF+20, PTC05, PFHAH22, VAAH+98, WS22, AYM05, BD00, GGDN04, HJ08, JP08, KW02, LC14, Liu97, MKBS05, MJM11, MLMM08, PB14, RFYL98, SW12, TC98, VKK02, XK97, YWW10].

High-Throughput [DKT+16, DLC+17, LLL+18, WMT+16, GHV+12, LYKW09, GDTG07, GWR13, LJ02, LC14, Liu97, MKBS05, MJM11, MLMM08, NS03, OW06, OWH08, PB14, RFYL98, SW12, SLXZ12].

high-quality [BHW+13]. High-Security [LQD22]. High-speed [PSD21, OW06].

High-Throughput [HIW15, EKEK22, PRKK21]. Higher [BS14a, LYS019, XPE12]. Highly [DONH23]. History [JM14].

History-Based [JM14]. Hits [SAL19].

HLS [SCL+22]. Hmap [YTHC97]. HMP [SPT+17]. Hold [LSZ+21, KSA+10].


Hotspot [HDZ+20, JYY+22, LYM+20].


Human-Readable [BHBS22]. HVAC [JDD20]. HW [ADP+07, FLPP09, WWFT12]. HW-SW [ADP+07]. HW/SW [FLPP09, WWFT12].

Hybrid [BLNKR14, GD22, GCL+16, HRC21, KKK12, LFST21, LZ17, LZ21, LYI17, LV14, LGGJ14, MACV14, NAK20, PA21, SLXZ12, WSS+18, CLYP09, KT01, KKKM02, LCZ+08]. Hypercube [TMDF10].

I/O [LC13, SLC+22, Wu09, Yan16]. IC [ABC+17, AYS20, BHLG19, EK97, IK19, KK11, KKH16, LCJ+10, LTZ22, Ped96, WCB15, WXH+19, WSS+18, XGC+20, ZLL13]. IC/MCM [EK97]. ICOS [HCLC98]. ICs [CM18, CM19, CLT+15, GSFT16, LHY12, LS17, PKC+21, THM15, WWCT18, YHH09].

IDDQ [TCP97]. Identification [VTC20, DNA+12, JDT+08]. identify [LIA00]. Idle [LC07]. Idleness [GSD+18].

IDs [SOS15]. II [JW08]. IoT [PTP22].

ILA [HZS+19]. illegal [LIA00]. ILP [GBK07, MR06, MWG97, OCRS07, OK08, SR12]. ILP-based [MWG97, OK08]. Image [GAT+20, RB19, WY07]. Imbalanced [HDZ+20]. Impact [GBK07, LDD+19, MDR15, RB19, TY19, XNZ+15, KTKO13].


Implication-based [WH20]. implications [BLM00, DNA+12, GGBZ02, ZLL13].

Implicit [PT06]. Imprecise
CLQ12, Har05, HAW20, HJ08, JW08, LP07, LZR23, Ped06, PFHAH22, RW03, RBA+12.
Introspection [KIO1]. Intrusive [LL15, SL18]. Invariant [Pom18b, PL03].
Invariant [IPWU17]. Inversion [LHW+17]. Inversion-Aware [LHW+17].
Kernels [DHEK22, WKR09]. Kernels [MLH+17].
Irregular [KCKG16, KCKG13]. ISAs [SBH+06]. Ising [MS21]. Ising-FPGA [MS21].
JAMS [KB19]. JAMS-SG [KB19]. Java [BHDS09, PSL+98]. JETC [BC08].
Key [ISK21, JZG21]. Key-based [JZG21].
Key-Obfuscated [ISK21]. knapsack [SBGD13]. Knowledge [EO19].
Knowledge- [EO19].
L2 [SYX12, TYSF20]. Lab [PGCB16].
Lab-on-Chip [PGCB16]. Lagrangian [LGGJ14, PY20]. language
[MSD06, MLC08, PHM00, RHN00]. languages [BGM04, Edw03, SSG12]. Large
[CK19, CSX+05, DNT20, GNQ+22, JYZY15, LYL+19, YVC14, ZHC+21, AM10, DD02, HH09, MRB+11, SCB01]. Large-Scale
[LYL+19, YVC14, CSX+05, GNQ+22]. Last
[KLJ14, SABSA15, SAL19, CKX+13].
Last-Level [KLJ14, SABSA15, SAL19].
Latch [JNCS19, LCTHT02]. latch-based [LCTHT02]. late [LG12]. Latencies [Ch17].
Latency [LW+23, QBMT16, YKC14, ZYPC17, PMT20, WHZX13].
Latency-aware [LWX+23]. Latency-Minimal [ZYP17]. Lattices
[GSS14, HMO+14]. Launch [Pom21b, PTC+15, WWW+12, XDW12, WPHL08].
launch-off-shift [WPHL08].
Launch-on-Capture [XDW12].
Launch-On-Shift
[PTC+15, Pom21b, WWW+12].
Launch-to-Capture [PTC+15]. Layer [DHZL23, LYP17, MWS+20, WL12, Yan17, Yan20, CLYP09, DNDV04, EKEK22, OW06, Yan00, Yan19]. Layer-induced [DHZL23]. Layout [CFD+16, DZ18, JYY+22, LZ17, LCYN18, RCK+15, SP+15, TZW20, WPHL08, WPR+19, XJK97, YLZ+17, ZLY+15, GS00, GH00, KG09, WJYZ11].
Layout-Aware [RCK+15, WPHL08].
Layout-driven [XK97]. layouts
[GFC+09, LM96]. Lazy [ZLY+15, ZLY+15]. Lazy-RTGC [ZLY+15]. LBNoC [PMT20].
LDE [TZW20]. LDE-aware [TZW20]. LDOs [SCK18]. LDPC [CW+22, DHZL23]. leaf
[dW97]. Leak [PCT+17]. Leakage
[CFHM09, DHB16, HYN15, JK10, LDX22, PIK20, RHBB21, STWX12, SYHL14, SKP21, XT12, YLYL19, ZBP18, CS07, CCW08, KOS09, MLG12, YL106].
Leakage-Aware [SKP21, YYY09]. Learn
[RG19]. Learned [XJ+F16]. Learning
[ALLE20, CCL+22, CAOM19, CCMC20, DNT20, EW18a, GT21, HDZ+20, HAW20, HMMG+20, HXC+18, HFMB20, HHH+21, IE12, JBJ22, KP22, LG18, LYLH14, LZY+23,

Learning-Based
[LG18, HFM120, LG23, SWT23, XAG+20].

Least
[JLJ15]. Legalizer [CZYYW21]. Legalization [CZZYW21]. Least
[CXX15, DLC15]. Lifetime
[KRH18, KKS16, MCZ16, Library
[XK97, YWW10, ZHM07, ZLL13].

Lessons
[XFJ16]. LET
[VL14]. LET-Based
[WLZ15]. Leveling
[CDB11, CET16, CS22, CLMZ10, DKZ+15, FCZ+23, HKL+15, HMO+14, HZS+19, ISK21, KLJ14, LL15, LG18, LS11, MNMK+21, PDS12, Pie16, RCW22, RJ14, SABSA15, Sch17, SS14, SLV+22, SAL19, TYSF20, VTC20, WDL17, AYM05, BdM00, BD00, CM19, CCYC14, CIB01, CKX+13, Che96, GM08, GG99, GS00, GGD04, HJ08, JD00, JR97, JP08, JI01, KT08, KT09, KWO2, LC14, LLQ+03, LTPT10, Lin97, MW97, MOZ06, MKBS05, MT02, MJM11, MLLM08, NSP+20, OCRS07, PB14, PPDK09, PTC05, Ped06, PFH02, PBSV+06, RFLY98, RFG20, SW12, Sen11, SEN05, TC98, T99, Vah99, VAAH+98, VKKR02, VS12b, VBP+19, WTL+13, WS22, XK97, YWW10, ZHM07, ZLL13].

Leveling
[CCH+15a, CHC+16, HL12, CD09]. levelized
[KPR06]. Levels
[BFL10]. Leveraging
[CS22, DSHD23]. LFSR
[KJ704, Poni17a, Poni18b]. LFSR-Based
[Poni17a, Poni18b]. Libraries
[ACF+11].

Library
[KRH18, KKS16, MCZ+16, BD97, DDNA04, JD00]. Library-Based
[MCZ+16, DDNA04]. lifecycle
[HD12+12]. Lifetime
[AAA15, DLC+17, WDLD17, MHT14].

Lightweight
[MPM+17, NSCM17, MMM+22]. like
[PRK21]. limitations
[Voe01]. limited
[LLKC13]. line
[SNH02, ZYZ+13]. Linear
[ACFM12, ETAV18, MFHP12, TZ17, DSRV02, KC98, LWK11, ST99]. Linking
[HRC21]. Links
[KQP+19]. list
[HCS01, MHD+04]. list-approximation
[HCS01], lists
[HVF+04]. Lithographic
[LYM+20]. Lithography
[HDZ+20, LZ17, ZLY+15]. Liveness
[MS08]. LLC
[PBZM19], LLCs
[PBL+17]. LLR
[CWL+22]. Load
[CLC20, LLHT12, Pom19a, Pom14b]. Load-balanced
[LLHT12]. Local
[BM11, KC13]. Locality
[LDTM20, MT15, TYSF20, ZFLS11, GFC+09, Kan06].

Locality-Aware
[MT15]. Locality-Driven
[ZFLS11]. Localization
[HDB22, YYL+15]. localized
[CMQ08]. Locally
[PSM15, KC13]. Locked
[IYF+21, JZG21]. Locking
[BTP+20, Mit16]. Lockout
[ISK21]. Logic
[ALL20, AYS20, BFL10, CBM10, Che18, CZW19, CXS+23, ETAV18, EKS+14, HS18, HIW15, JZG21, KKH+02, KMO+12, LWZ+19, LZZ+21, LW18, PA21, SLP+19, WB16, WKC12, ZHJ+23, ZWD11, ARLH06, BLM00, BDM+99, BOC00, CSKR05, CD96, GGBZ02, KJJK03, KMC97, KVMH08, LWH06, MW97, RJBS09, TW96, TN99, TJ99, VT02, WYYF99, ZS02, PRCK08].

Logic-Based
[ETAV18]. Logistic
[BD05]. long
[SSP04]. long-path
[SSP04]. Longevity
[KBV+15]. Look
[KSD+22]. Look-up-table-based
[KSD+22]. Lookahead
[PMT20]. lookahead
[CH02, WSEA99]. Loop
[AA17, EO19, GDD21, LDTM20, SXX+06, HKV+07, PCC09, XPSE12].

Loop-dominated
[LDLM20]. Loops
[IYF+21, BG01, CL99a, KNDK96, SHLL98]. Lose
[KBV+15]. Loss
[WSRH16, KC13]. Losses
[ZMS+19]. Low
[ACF+11, AY18, ALL17, BPTB17, CH10b, CM08, CHHL96, CLMZ10, GBR07, GAT+21, HWDQ21, HLKN07, HTCP13, KP22, LTYW12, LS23, LSL+13, LQD22, LS17, MED23, MKK13, MAC14, PMT20,
[APDC17, CRT19, JB98, XAG+20, LG12].

**Measurement-Based** [APDC17].

**Measurements** [LFST21, LYSO19].

**Measuring** [CHA+21, WAZ98].

**Mechanical** [BHLG19, LTW+16].

**Mechanism** [QSW+15, SVK17, WQC+16, ZLW+15, ZK15, Wu09].

**Mechanisms** [CBO+18, PTPB22, GBK07].

**MEDA** [LSCK20, PBWB21].

**Media** [SLV+22].

**Medium** [MED23].

**MeF** [AKM+22].

**MeF-RAM** [AKM+22].

**memetic** [LFG+09].

**Memories** [AAA15, DFM15, DHZL23, JSA18, LS23, SKP21, JD00, MRB+11, NR03, OK08, RMB10, SPG+08].

**Memory** [AKM+22, BLNK14, BD14, CPS16, CCK+18, CIX15, DFM15, DHX+23, HJY23, JCK+18, JPM+19, KLSP11, KKLG15, LHS20, LDP+22, LZZ23, LLP+16, LCJ+22, LWZ+19, LPL+21, MWS+20, MS23, NAK20, NM23, PDN97, PPP+15, PRKK21, PBZM19, RPR+21, SHBD21, SSSL, TLCF16, TRM+16, TMDF10, WQC+16, WDZG16, WFT+19, WDD+23, WGS16, WZL+21, XNZ+15, ZXC+23, ZLW+15, ZZCY17, AMM+06, BD08, BHDS09, BGN+07, CPW04, CJLZ11, HKV+07, IBMD07, JCS+08, Kan06, KG09, LSPC14, MB04, NdLRC03, OK08, PDN00, PCD+01, SUC01, SM00, WH05, Wu09, ZYZ+13, ZP08].

**Memory-aware** [DHX+23].

**Memory-Based** [BD14, CPS16, LHZW+19].

**memory-constrained** [OK08].

**Memory-driven** [NM23].

**Memory-Throughput** [MS23].

**Memristive** [XGC+20].

**Memristor** [LS22].

**MEMS** [BHLG19, Kh12].

**MEMS-IC** [BHLG19].

**Merging** [ASAP17, CZW19, TCL14, LLLL13, MB04].

**Mesh** [CHA+23, JM14, KK14, GHW+12, RL13].

**MESH** [ZXC+23].

**Message** [Hu20, KBPB19, DSH12, EY12].

**message-passing-based** [EY12].

**metamodelling** [MPSJ07].

**Method** [AKAKP18, BZWW17, CZZY21, JSS+19, LCC+15, MNMK+21, RGM15, SYH+22, SRC15, STGR15, WTR12, WMT+16, WZL+21, YLZ+17, ZYW+18, CGN96, CL99b, HW00, Kag05, LH13, LDK99].

**Methodologies** [BW00, CEB00, MD13, SSCS10].

**Methodology** [BFV15, DK22, EKEK22, EAP17, HXB+22, KKLPG15, KJR+07, KMO+12, LW17, LZZ+21, LZ21, LZZSV15, LLLL18, NSP+20, SWT23, VA17a, VEO16, VBP+19, XPP+21, AMM+06, DRG98, FLPP09, HDL+12, HCL98, Hs00, KY+14, NR03, PW99, SEN05, SMSB05, SVZ+12].

**Methods** [CLL+22, EW18a, GDF09, KRL15, ZHC+18, FZKS11, SW04, ZAJ+12].

**Metric** [YRH11].

**Metrics** [LIK22].

**Micro** [RBWB20, YBM+21].

**Micro-Electrode-Dot-Array** [RBWB20].

**Microarchitectural** [GOC02, LS11, HMLL1].

**Microarchitecture** [ZBPFI8, CFX09].

**microcontrollers** [CD09].

**MicroElectrode** [RB21].

**MicroFix** [YHL+11].

**Microfluidic** [CPK20, CGLH23, GLD+22, GPH19, JHY21, KGS+20, LHC16, LK+18, MGR+15, MWK21, PGC16, PFB+22, RCK+15, RB21, SKS+18].

**microfluidics** [SOC06, SC06].

**microfluidics-based** [SOC06, SC06].

**Microgrid** [VA17a].

**Microprocessor** [OT15, BPRR98, HV98, LBV+06, WA98, WCC04].

**microprocessor-based** [BPPR98].

**Microprocessors** [Ali12, WMT+16, LTPPT10, MKW09, VAAH+98, WTL+13].

**Migration** [DK16, Kha12, TZ20].

**Migration-Resistant** [KH12].

**million** [HH09].

**million-gate** [HH09].

**Min** [HS18, SSP04].

**Min-Area** [HS18, SSP04].

**min-delay** [SSP04].

**Mine** [LWC18].

**Minimal** [MCD12, ZYPC17, KL05].

**minimal-area** [KL05].

**Minimally**
Minimization

Minimization

Minimum

Minimum

Minimum

Mixed

Mixed

Mixed

Mixed

Mixed

Mixed

Mixed

Model

Model

Modern

Modification

Moniclithic

Movement

MP

MPSoC

MTCMOS

Muller

Multi

Model-based

Model-Driven

MODELS
[AL19]. Negligible [EAAK+23].
Neighborhood [PSD21].
Neighborhood-aware [PSD21]. Nested
[AA17, CL99a], Nesterov [LCC+15], Net
[Yan19, LXCH04, MW97]. nets [JCP05].
Network [CM20, CARH18, DJP21, DNT20, EJR22, FLG+23, HZL+22, HCZ+16,
HXC+18, KLU+17, LDD+18, LDD+19,
LW17, LJJ+22, LJJ+23, MT15, PTO20,
WXH+19, WDLX21, X16, XCF18,
YKCG14, ZHC+21, ZYS12, CSC08, CL13,
CM08, CXX+13, CCL04, GNQ+22, HW14,
KMC97, LCOM07, LLKY13, LLKC13,
OCSR07, RFBL10, LCG+22].
Network-based [FLG+23].
Network-on-Chip
[CM20, LDD+18, LW17, PTO20, XS16,
XCF18, YKCG14, ZHC+21, ZYS12, CSC08,
LCOM07, LLKY13, LLKC13].
Network-on-Chips [HCZ+16, GNQ+22].
Networked [KC10]. Networks
[BKW15, BDBB19, CZV19, CAP+23,
FCZ+23, GAT+21, HWL+23, HLX+23,
IHM15, JLL15, KBP19, LHS20, LDF+22,
LYL+19, MAS+20, MNNK+21, HMP+17,
NM23, SSS+23, SRTG19, UEE22, XLS15,
YMB15, ZFLS11, ZYPC17, ZMP16, BLR06,
CXX+13, CBR+05, GWR13, HMGV13,
JSP12, JSG09, MD13, MDM07, OM80, RL13,
TDE08, VS12a]. Networks-on-Chip
[BDBB19, IHM15, JLL15, CXX+13, J12P,
OM08]. Networks-on-Chips [VS12a].
Neumann [KT01], NePou [NSP+20].
Neural [EJR22, FLG+23, FCZ+23,
GAT+21, HXZ+23, HLX+23, JYY+22,
LHS20, LDF+22, LPLK22, LYL+19, LJ+22,
LJJ+23, MNNK+21, NM23, NGL+21,
SSK+23, WXH+19, WDLX21].
Neuromorphic [GT21, LS22, XGC+20].
Neuron [ZK15], Neuron-MOS [ZK15].
Next [PFHAH22, YD16]. Next-generation
[PFHAH22]. NMOS [RM23]. NoC
[ADDM+13, CAOM19, CBR+22, CXX+23,
DJP21, HWX+14, JBJ22, MHT14,
QBTM16, TCL14, SPT+17]. NoC-based
[MT14, CAOM19, HWX+14, QBTM16,
CBR+22, DJP21]. NoC-Enabled
[CRX+23], NoC-HMP [SPT+17], NoCs
[AJIM13, AL19, CH+23, DDC+17,
HMMG+20, JM14, KPF16, MT15]. Node
[BBDB12, CZW19, PDS12, DHZ+11, JSG09,
ZHOM08]. Node-centric [ZHOM08].
Nodes [BPTB17, LZA+21, NNS+16]. noise
[GGBZ02, HK06, HML11]. nominations
[ANO13]. Non
[AKM+22, GLY+12, HSP+22, LL15, SL18,
STJG16, WDL17, ZYW+18, KCKG13].
Non-enumerative [STJG16].
Non-Gaussian [ZYW+18]. Non-Intrusive
[LL15, SL18]. Non-Monte-Carlo
[GLY+12]. non-overlapping [KCKG13].
Non-Volatile
[AKM+22, HSP+22, WDL17].
nocomplementary [RS03].
Nonfunctional [HPBW14, RGT+14].
Nonideal [TWL16, WFT+19].
noniterative [MCMW08]. nonlinear
[CC00b, Con06]. nonManhattan [Yan00].
nonpreemptive [GDG+08]. nonslicing
[LCC11]. Nonspec [WC10].
nostationary [AHAK08], nonuniform
[VCLD03]. nonvolatile [SLXZ12, ZYZ+13].
note [CSL+07]. Notions [SGC+14]. Novel
[GD22, KKH16, LWZ+19, LJJ+22, MS17,
VNS19, DDFR13, SCCH08, Pod06]. NP
[DK22], NP-Separate [DK22]. NPU
[LPLK22], number [HPK99]. NVM
[BRC818]. NVMe [HC18].

O [LC13, SLC+22, Wu09, Yan16]. OAOS
[HGLC16]. OBDD [FWCL05]. Obfuscated
[IS21, LMS16, RNR+21]. Obfuscation
[AYS20, GDTF17, HYK+20, KSD+22,
OK20, SLP+19]. Obfuscation-Based
[GDTF17, HYK+20]. Object
[SLJ23, Wol96, HLC98, Hs01].
Object-oriented [Wol96, HLC98, Hs01].
Objective [GACK22, KLE18, SFM+19].
dONH23, LFST21, PB14, SCL+22].
Observability [CLMZ10, CM13].

obtain [MS00]. Obviating [PBWB21]. Occupancy [ZHC+18]. Octilinear [HGLC16, Yan08].

Octilinear [HGLC16, Yan08]. Octilinear [HGLC16, Yan08]. Octilinear [HGLC16, Yan08].

F18, KSD+22, MS23, PDN00, RBJ+09, WPHL08]. o-chip [PDN00]. Oce [GCL+16]. Oine [MGR+15]. Oining [JPM+19]. os [FHHG12, PCC09, WVYG99, WGDK07, XPSE12]. OLED [LKH19]. On-Chip [ALL17, JNS+17, JZYJ15, SCK18, SMBT19, ZYPC17, DNT20, LCOM07, PDN00, WDC+22, ZSZ10, ADS+09, CCL04, KP13, LH13, NR03, PPDK09, YLP+13, ZM07].

On-Demand [AAA15]. On-device [TZZH22]. Once [CHBK15]. One [MKW21, XFJ+16]. One-pass [MKW21].

Ones [PB12]. Online [BYT22, HLW+23, MBD+20, TZZH22, ZAJ+12, ADDM+13, CSAHR07, RAKK12]. Only [CHBK15]. onto [OKJH22, SWT23].


Operating [EAAK+23, TWL16, TL19, PMB10]. Operation [BPTB17, CLMZ10, GDTF17, MACV14, KJIR+07]. Operations [BC16, LXZ+19, LXWC20, ARLJH06, BG01, HPK99]. operators [BD05]. opportunities [VCLD03]. Opposite [HCN09]. Opposite-phase [HCN09].

Optical [DZ18]. Optimal [ABC+17, BKW15, BASB01, Cha01, CCX06, CARH18, CH96, FG18, GSS14, HWCL13, KNDK96, LCHT02, OWH08, PL98, SCK18, TS96, TPC+17, ZW98, BW00, BMJ13, CACS05, CNGN96, CH00, DSK01, GH00, KCKG13, LH09, MKW08]. Optimization [ACFM12, BZWZ17, BHLG19, CZW19, CYH19, CWL+22, CK16, DHVW18, DZCD15, GLY+12, GK07, HRC21, HLG+15, HS19, JBJ22, JPHL16, JNC19, KKK12, KK16, LFST21, LHC16, LZZSV15, LH11, LYPN17, NM23, PPS+20, PPP+15, PY20, SMF+19, SYHL14, SHB21, SRTG19, SHL+19, SCK+23, SCL+22, TRM+16, WHRC12, WFS20, WDC+22, WKC12, WSRH16, WDLX21, XJF+23, ZHJ+23, dONH23, BLM00, BD+99, BD00, BCC08, BDB98, BP05, BOC00, BGN+07, CLK06, CSC08, CCC09b, CFX09, CILJ11, Con06, D02, G04, B07, GDF09, GHW+12, HR06, HPK99, HG07, JPC06, KK03, KLSP11, KCG13, KSA+10, LLH03, LCG+22, LCHT02, LC07, LLLL13, MKB05, MHT14, MKW09, MLG12, OM08, PCD+01, PEPP06, RM09, RJBS09, SB98, SPA+03, THL+13, VIMR02, VLH04, WGDK07, WL+11, XZC09, G09].

optimizations [GGDN04, KRS06, SSG12, SC00, ZHTC09]. Optimized [ACF+11, BC05, HCRK11, MJ19, VA17b, ZABZG17, ZYS12, KCA04, SY07]. Optimizer [LDLM20]. Optimizing [GY12, KSK+05, LPP00, LPLK22, LAS01, RBWB20, SYZ08, ZLW+15]. optimum [Das04]. OR-based [ZHJ+23]. Oracle [RNR+21]. Oracle-guided [RNR+21].

Parallelism

Giv06, GOC02, GHW+12, GWR13, HDL+12, LC96, LJVO2, LYKWO9, LFG+09, LV02, NS03, PDN97, RAKK12, SLXZ12, VLH98, WWG08, ZHM07.

Performance-Aware [BDBB19].
Performance-constrained [BG01, WLC09, GOC02].
Performance-Driven [GDD21, HWCL15, Yan16, GKK+23, WCC03, WLLH16, WDLX21, YVC14, ZSY18, AM05, ACT13, CBHK11, CACS05, CC06, CSX+05, EK97, KPSW09, LCK+09, OS03, RS03, SC06, Tes02, TY97, VLH04, WLC02, WCC03, WLT08, YWK+03].

placements [HWCL13]. Placer [AMM+18, DKT+16, DKT+16]. Plaintext [HYK+20]. planar [DPNB02]. Planning [DSHD23, XYG+16, YYY+16, LC13, LHZ+06, MKBS05, SBC08, XTW05]. PLAs [LWH06]. Plasticine [EKEK22]. Platform [APD+11, IGN18, VGG19, FNP09, JCS+08, RFB10, ZHM07, PBSV+06].
Platform-aware [VGG19]. platform-based [ZHM07, PBSV+06]. Platforms [BS14c, ETA18, LS11, LMS16, MBB+20, RS18, TBCH17, VGG19, WDG16, YPCF17, BMJ13, CNQ13, JW08, LP07, MPDG09].
Playing [RJL+09]. PMC [CL12, CCH15b, CH13]. PMU [APD+11].
Point [ALL17, BS14a, BFL10, SRC15, WZK+23, XNZ+15, AM98, BSB+23, CPW04, DPNB02, LCM07, WG11, WFT+19, YCL+23, Yan08].
point-to-point [LCOM07]. Pointer [RCW22]. points [PMB10, Pom13, TD03].
Poisson [QSK12]. Polar [JNS+17].
Polishing [LTW+16]. Polling [LZZ23].
Polling-Based [LZZ23]. Pollution [DJP21]. polygon [TTL+01]. polygons [CT13, LMK96, TOP08]. Polymerase [LH16].
polymorphic [LLYW10]. polynomial [GK07, GK09]. Polynomials [GLY+12].
port [CL13, SBC08]. port-scalable [SBC08]. portable [LCZ+08, Rak09].
Portion [GD20]. POSE [Hsi01].
Postlayout [CMB07, LZY12, WWG08, XLL+16].
Postscheduling [FHHG12]. post-silicon [MKK13]. Power [ACF+11, ALL17, BLM00, BS14b, BM11, BPTB17, CMP10, CH10b, CHHK15, CXH+16, CAP+F3, CLMZ10, DLC+17, DNT20, FG18, FZL+23, GBR07, GCL+16, GAT+21, HW22, HPK99, HY15, JIR+21, JLL15, KKH16, LG18, LKM04, LYLH14, LAYZ3, LK+14, LJJ12, LHK+15, LK19, LS17, MAS16, MKW09, MN17, NPI+20, NS+F20, PHL14, Pd06, PTC+F15, SCK18, SC00, SBC08, SYH14, SSCS10, SIB15, TWL16, TRM+F16, TMDF10, TCL14, VNS19, WY19, WGT+F17, WZH+F23, WC10, WSR16, XLS15, ZFLS11, ZK15, ZS16, ZMT13, ZF23, AHA19, BDM+F99, BDM00, BDD00, BMJ13, BDD00, CS07, CH10a, CM08, CIB01, CCX06, CCW08, CHH16, CCH09b, CJLZ11, CLQ12, DSO6, DTC+F09, ET10, GOC02, GDF10, GS13, HR06, HLC07, HLH07, HTCP13, JWL+F03, KB00, KKH+F02, KO09, KC13, KHN06, KYN+F12, LMB+F12, LHT03, LYP13, LHC+F17, LLY14, LBV+F06, LHW97].

Power [MKK13, MRC06, MKW08, MLG12, MS09, ML19, NT05, PP09, PM14b, PWH05, PR96, RFB10, RTN10, SMS22, ST+F13, SUC01, SPM02, SN12, SZ+F12, TKV07, T19, THC+F14, WJ+F07, YHL+F11, YGZ14, YLL06, YHL07, YHH09, ZHM07, ZLL13, ZLYP08, ZP08, ZYP09].


LPP00, NM13, TYH08, ZHOM08.

Processing-In-Memory [WDD+23].

Processing-Near-Memory [LCJ+22].

Processor [HKL+15, ISE08, LHLP16, LYYL14, LF12, NSH+16, NRZ+18, OHA19, SPT+17, VLGG01, DHZ+11, GG04, Giv06, HGBH09, KBA08, LMB+12, OCRS07, PDN97, PDN00, RFB10, SGD10, WKR09].

processor-based [PDN00].

Processing-Near-Memory [LSDV10, RMB10].

Processing-Based [LSDV10].

Program [DFM15, GSFT16, RGT+14, WFT+19, BDC08, BH03, BFP08, BZ08].

Programmable [ZKS09, KKJ+08, SR12, KLJ14, LPD+17, LH12, OKJH22, TY19, BH10, CL99a, CPW04, Edw03, Hua01, KJR+07, LJ02, LCD07, LB00, MD08, PHM00, RAKK12, SR12, TKVN07, LSV06].

Programs [KLSZ11, TZ17, WLZ+19, ADDM+13, GH00, KLSZ09, KKJ+08, TP08, WJYZ11].

programming-based [ADDM+13].

Programs [PMS15, SYHL14, EY12, Vahi02, WY09].

Progressive [KKLG15].

Project [LKH16, LHLP16].

Progression-Based [LKH16].

Progressing [BZWZ17, BS14b, BS14a].

Projective [HLX19].

Projecting [KHP05].

Protection [LSDV10, RMB10].

Protect [SABSA15].

protected [LSDV10].

Protecting [DFM15, GSFT16, YBS+18].

Protection [GDF17, SL+19, KHP05].

protocol [ADS+09, BGM04, DP04].

prototype [APB+08].

Prototyping [ARLJH06, ORGD+15, JDT+08].

Provably [ADS+09, Das09, YWK+03].

Provide [KKLG15].

Providing [LCOM07].

Proximity [DZ18].

Pruning [GYZ+22, MNMK+21, DHV+00].

Pseudo [PKC+21].

Pseudo- [PKC+21].

PSL [BZ08].

PS [DS12].

PTA [XJF+23].

PTM [LH+17].

PUF [LQD22].

Pulse [LQD22].

Push [KMO+12].

PV [DZ18].

PV-Aware [DZ18].

PVT [PPDK09].

PWM [TWL16, GWT+17].

QoS [LYLW17].

quad [LBV+06].

quad-core [LBV+06].

Quadratic [AL19].

Quadruple [JIR+21].

QuadSeal [JIR+21].

Quality [BZWZ17, JSS+19, LKH19, LPY+20, LK22, Poin19b, BH+13, XPSE12].

Quality-Assured [JSS+19].

Quality-Enhanced [LKH19].

Quantifying [SGC+14, YR11].

quantitative [LCO07].

Quantization [GYT12, HWQ22, HYJ23, HLX+23, LDP+22].

Quantization/Mapping [HYJ23].

Quantum [HZL+22, LSF+21, ZFL22].

Queuing [SSL17].

Race [BK10, HN07].

Radio [JDT+08, JSG09].

Radix [BS14a].

RAID [SLC+22].

RAID-enabled [SLC+22].

Rail [LQD22, VEO16].

RAM [AKM+22, LSL+13, SABA15].

ramp [KM97].

Random [BZWZ17, BS14b, RPR+21, JT98, KPR06, SXZV13, SNL12].

Range [LDP+22, MS17, CL13, LSPC14].

Rate [SABSA15].

Rapid [KLJ14, LPD+17, LH12, OKJH22, TY19, BH10, CL99a, CPW04, Edw03, Hua01, KJR+07, LJ02, LCD07, LB00, MD08, PHM00, RAKK12, SR12, TKVN07, LSV06].

Rate [KKLG15].

Reactive [XLNB17].

Reacts [ADB+19].

Reactive [LHC16].

Read [WLZ+19, ZABGZ17, PSL+98].

Real [WLLH16, Das04].

Real-Time [ALD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].

Real-Time [AMD+15].
[DHZL23, JSA18, LHS+21, PPP+15, WHXZ13]. **Readable** [BHBS22]. **Real** [CHB15, CBC22, CH17, FG18, FHHR21, GYZ+22, HXC+18, KPF16, LSC20, NSH+16, PKJK20, PSNC18, SSC17, SBY+20, SLV+22, SWT23, WLZ+19, WDG16, WJG+19, YRH11, ZLW15, APB+08, DRG98, HMVG13, MHQ07, PEPP06, PW99, WLL+11, ZAZ13]. **Real-Time** [CHB15, CBC22, CH17, FG18, GYZ+22, HXC+18, KPF16, LSC20, NSH+16, PSNC18, SSC17, SBY+20, SLV+22, WLZ+19, WDG16, WJG+19, YRH11, ZLW15, FHHR21, SWT23, APB+08, DRG98, HMVG13, MHQ07, PEPP06, PW99, WLL+11, ZAZ13]. realistic [MF509]. **Reality** [XLB17]. **Realization** [ACFM12, CHHL96]. **reallocation** [ZYP09]. realtime [HG07]. **Reassignment** [Yan20, Yan08]. **ReChannel** [RHA08]. **recompilation** [GF10]. **Reconfigurable** [ADB+19, AVG19, BKW15, CPS16, CM20, DHX+23, EK16, JPHL16, LPL+21, MS21, MLC08, MRL+19, ORGD+15, SSC17, SVK17, UE22, ZLQ15, ZMS+19, ARLJH06, EJR22, GDG+08, HBC+08, HW14, JBC+10, KKB02, KLS11, LCC+09, RA08, WKR09, WLC02, YLP+13, YGH+10, YYL09]. **Reconfiguration** [CAOM19, MCZ+16]. **reconfigurations** [RCG+08]. **reconnections** [WC06]. **reconstruction** [Yan08]. **Recover** [BF15]. **Recovering** [JCK+18]. **Recovery** [NSS+16, WL12, ZAZ13]. **Rectangle** [Yan18]. **rectangular** [DSK01, Meh08]. **Rectilinear** [GC96, LLLL18, WCC03, LLYK09, MHD+04, MS09, OWH08]. **Recurrent** [HLV+23]. **recursive** [LC96]. **Recycling** [TCW20]. **Reduce** [CIX15, JK10, Pom16c]. **Reduced** [PAV17, AMM+06, SBH+06]. reducible [BC11]. **Reducing** [ASAP17, BFG+19, BWB14, CJKK19, DJP21, HH09, Kan06, KLJ14, LYCP13, PR11, SYH14, KTKO13, MB04, PGB01, TKVN07]. **Reduction** [ABC+17, BDB12, FLWW02, PTC+15, Shi20, WB16, WDLD17, WH19, WHL20, CFHM09, CCW08, DK08, ETR07, GF10, HLHT08, KYN+12, LCC11, LLHT12, LCJ+10, NT05, RMPK03, SY07, SBH+06, SPMS02, TY97, WYYG99, YHL+11, YW+03, YLL06]. **Redundancy** [CJKK19, JLK15, CMNQ08]. **Redundant** [KMO+12, SHL+19, PGB01]. **Reed** [ZHJ+23]. **reference** [AOC02, SM00]. refinement [CLM+10, GGB07, MS08, MOZ06]. **refit** [DVA02]. **Refresh** [CJKK19, LSL+13]. **Region** [BZWZ17]. **Regions** [JCK+18]. **Register** [GF10, HWCL15, LHF12, LQD22, MHF96, TLCF16, WKL+18, XLL+16, CACS05, CFX09, HCN09, KI01, KNDF96, LWK11, VFKR02, ZYP09]. **register-file** [CFX09]. **registers** [CL99a]. **Regression** [BB00, GD20]. **Regression-based** [BB00]. **Regular** [XYG+16, CH13]. **regulation** [ZLL13]. **Reinforcement** [BJJ22, PJL14, SKR+22, WDLX21, STL+13]. **Related** [dONH23]. **Relaxation** [LGGJ14, PY20]. **Relaxation-Based** [PY20]. **Release** [SBZ17, YP10]. **Reliability** [APS18, CSC+21, CET16, CCK+18, CXLL22, KMO+12, LHZ12, PPP+15, RMB10, TK18, WXH+19, XLY+18, GS13, JS13, KVMH08, LH13, ZAZ13]. **Reliability-Aware** [CET16]. **Reliability-Driven** [LHJ12]. **Reliable** [BJX15, GC18, JPC06, MACV14, WZL+21, XCF18, XNZ+15]. **rellocation** [LCC13]. **Remote** [BSP+22, CRT19, KOO18, KC10]. **Removal** [GMR+15, CMNQ08]. **reorder** [WPHL08]. **Reordering** [WC10, GFC+09, Hua01, PR96]. **Reorganizing** [JCK+18]. **Repair** [CJKK19, KMO+12, PSNC18, MRMP08, NR03]. **Repairable** [KMO+12]. **repeating** [LWC07]. **Replacement**
[CZW19, JCK+18, CCW08]. Replay
[CET16, CS22, DK08, FS13, HC17, KK14, LZY+23, LF12, MBD+20, PBF+22, TCL14, WG11, WHL20, WGS16, BDB98, CFX09, HLKN07, Kuc03, LSDK10, MKK13, MJM11, NR01, WDGK07, YWW10, ZHM08, KMR18]. Resource-aware [FS13]. Resource-Constrained [PBF+22, WG11, WHL20, LSDK10, NR01, ZHM08]. Resources [JNS+17, PGB01]. Response
[CH17, PMS15, SO016, DC07, SC01]. Responses [XCW12]. Responsiveness [SLC+22]. Restore [ZZCY17]. results
[AYM05]. Resynthesis [WPR+19]. Retargetable
[PHM00, AMR00, KJK+08, VLLG01]. Retargeting [DZ18, WJYZ11]. Retention
[CJKK19]. reticile [WLT08]. Retiming
[BOC00, HMB98, HLHT08, SSP04, Zho08]. Retiming-based [BOC00]. Retracing
[LLLL18]. Reuse [AC06, BFP08, CSO22, LDLM20, NAK20, OHA19, IBM07, LSPC14, RSR01, VCLD03]. Reuse-based
[OHA19]. Reusing [CCL04]. Revealing
[CM19]. Reverse
[AYS20, CM18, GDFT17, WSS+18]. Reversible [HDB22, DMD07]. Review
[IE12]. revisited [RS98, SDP+09]. Revisiting
[GWR13, ZSY18]. Revitalized
[PCT+17]. Rewarding [TEK18]. Rewiring
[LTYW12, CMB07]. rewriting
[RLJH06]. rewriting-logic
[ARLJH06]. RF
[BBE15, HZC+16, LYS019, LZZ21, PTO+20]. RF-Interconnect
[HCZ+16]. RF/Analog
[LYS019]. RFID
[DTC+09, YFT18, YBS+18]. RFID-Enabled
[YFT18]. rhythms
[GS13]. rich
[SHBD21]. right
[MIR96]. ring
[GG07, GG09]. Ripple
[HWWY16]. rISAs
[SBH+06]. RISC
[H98, YCL+23, ZBPF18]. RISCV
[YCL+23]. risk
[DS05]. river
[ZW98]. RL
[NT05]. RL-Huffman
[NT05]. RLC
[MN17]. Robust
[BJX15, CZZYW21, DZ18, GCZ+15, MCD12, PBBW21, STL15, TLF16, ZK15, CLYP09, ST99]. Robustness
[BHLG19]. Role
[CK19]. rotary
[TDF+09]. Routability
[AMM+18, HWWY16, SAH+20, THL+13, ZSY18, CLYP09, HSA+04, SYZ08, WSV+14, YCHT00]. Routability-Driven
[AMM+18, HWWY16, ZSY18]. Routable
[LCYN18]. Router
[PM020, TCI+14, XS16, CLYP09, JCPG05, MLG08, TDF+09, wATK02]. Routers
[JMI+14]. Routing
[CLC20, GdRMJ21, GMM05, JD18, LHJ12, LLLL19, LKC+18, MAS+20, MCZ+16, RGM15, RBWB20, TZ17, TZ20, WLLL16, XYG+16, Yan18, Yan19, Yan20, ZHC+21, CZW00, CKKT08, DSKB04, DVA02, GMN+13, LLKC13, LCC11, LCJ+10, MWW17, OW06, OW08, RLL3, SMYY07, Yan00, YWW9, Yan11, YM+13, YCHT00, ZW98, ZHTC09]. Routing-aware
[GMM05]. Routing-Based
[LLLL18]. Row
[SAL19, LC13]. row-based
safe [ZMTC13]. Safety
[MM17, XLY+18, dONH23, MS08].

Safety-Related [dONH23]. Salsa20 [MAS16]. Sample
[PGCB16, PBWB21, PBF+12, ZKS+16].

Sampling [WTR12, ZYW+18]. SAT
[CLM+10, Che18, CYV+14, DP02, RCD07, SGK08]. SAT-based [CLM+10, SGK08].

Satisfiability [BR12, GMSSS02, OK20, PG15, GPK+09, HSA+04]. satisfying
[QZ09]. saturation [CCL03]. saving
[HW00]. Savings [LKH19]. Scalable
[AA17, KLK+17, LAYZ23, PJJ14, SESN15, SKM+16, ZF23, HG07, KCKG13, SBC08, SBGD13, WSV+14]. Scalable-Throughput
[SESN15]. Scale
[DNT20, HC17, LYL+19, YVC14, ZHC+21, CSX+05, GNQ+22, HCK13, KBA08].

Scaled [PHK12]. Scaling
[GC18, HC17, HHL14, LV14, WSCH16, IAI+09, KSA+10, ML09]. Scaling-Aware
[HC17]. Scan
[BKW15, KMO+12, LWC07, LWK11, PSD21, Pom16b, Pom16c, Pom17b, RNR+21, WC10, WWW+12, XCW12, DDFR13, GKM05, KBN09, NT05, PR09, PR11, RMKP03, SSSG03, TYH08, WPHL08]. Scan-based [LWK11, KBN09, PR09].

Scan-BIST [LWC07]. Scan-Cell [WC10]. Scan-In [Pom16c]. Scan-Shift [WC10].

scanline [CT13]. Scenario
[BLUS19, DCK09, EK16, HLTZ+22, KW16, SWT23, GPH+09]. Scenario-Aware
[BLUS19, KW16, SWT23]. Scenario-based
[DCK09]. Scenarios [MRZ+18, SPG+08].

Schedulability [DG+10]. Schedule
[SNC+14]. Schedules [NSH+16, JP08].

Scheduling
[ABC+17, BB17, BDBB19, CAC15, DNX+23, ENP20, JOH17, KPB19, LWH97, MAS+20, OKJH22, PMS15, SSC17, SL+22, SAL19, SZB17, WCB15, WDZ16, WWCT18, WJG+19, XPS+21, CLM+10, CJKZ11, DS05, DHH+00, GBC07, HN07, JR97, KW02, Kuc03, LHT03, MKBS05, MJ11, MHQ07, MR05, MWG97, NR01, PGGD+23, RCG+08, SXX+06, TC98, WH05, WGDK07, YWW10, YGH+10, YLL09]. schematic
[KG09]. Scheme
[BM11, CWL+22, HDB22, JDD20, KKLG15, KLK+17, LTYW12, WHRC12, WH20, X016, HCK13, KSA+10, XL13].

Schemes
[GYZ+22, MGR+15, CSG08, KCG13].

Scoping [dONH23]. Score [XLL+16].

scratch [IBMD07]. scratch-pad [IBMD07].

Scratchpad [CPS16, DFM15, BD14].

SCRIPT [NPH+20]. Scrubbing [SV17].

SDF [OKJH22]. SDF/L [OKJH22]. Search
[FZL+23, JYY+22, LPLK22, RFG20, VCLD03, ZFL22, CMB07, DVA02, YWW10].

search-based [DVA02]. Search-space
[RFG20]. Searching [DK16, SYZ08]. Secret
[LDX22]. Section [BMG17, CY22, CO18, KLS11, PFHAH22, YD16, CH10a, CLQ12, HJ08, JW08, KLS09, MD13, RBA+12].

Secure
[BHK17, LSC20, YCL+20, HBC+10, ISE08, HRK18]. Security
[CM20, CKN20, GQQ019, GLD+22. HMO+14, KAC+23, KSD+22, LHL+16, LZZS15, LQD22, LMS16, MMM+22, MAS+20, MPM+17, NSCM17, RNR+21, SLP+19, TK18, WLM21, YSF+18, YBM+21, DP04, IAI+09]. Security-Aware
[KAC+23, LZZSV15, LMS16, MAS+20].
Seeds [Pom17a]. Segment [WL12].
Segment-Based [WL12]. Segmentation
[LCG+22]. Segmented
[HSA+04, JWL+03, YCHT00]. Select
[Pom18a]. Selection
[AKAP18, CXS+23, CV17, FYCT15, GC18, JM14, KPF16, STJG16, ZKS+16, CGN96, CCC09b, LB00, PMB10, VLG01, XCL13].
Selective [Mut09, NRDB19, LCT03, WY06]. selectively [BD00]. Self
[CRT19, EO19, IYF+21, LW21, PIK02, SBB+18, SHL+19, WCB15, WZH+23, XYG+16, SEN05, SZV+12].
Self-Aligned [SHL+19, XYG+16].
Self-Measurement [CRT19].
Self-Similarity [PIK20]. Self-Test
[EO19, SBB+18, WCB15, WZH+23, IYF+21].
Self-Testable [LW21]. self-testing
[SEN05]. self-tuning [SZV+12]. Semantic
[Pie16]. Semantics [KC98]. Sense
[ADB+19, RM23]. Sensing
[LSCK20, LTH99, WJY+07]. Sensitive
[CHA+23, YBS+18]. Sensitivity
[LM21, LON08, PMB10, ST99]. Sensor
[CCMC20, NSS+16, PDS12, ZHC+18, DHZ+11, JSG09, LCK+09, RF010, ZSZ10].
sensor-driven [ZSZ10]. Sensors
[FG18, RG19, YHL+11]. Separate
[DK22]. Separation [EK16]. sequence
[GF06, LC07, MMP00]. Sequences
[PKJK20, Pom15b, Pom15c, Pom17b, Pom18a, KT01, LWC07, PL03, PR11].
Sequential
[LVS16, LD17, SPA+03, WKC12, BLR06, BOC00, Che96, CPR+02, Edw03, HVF+01, HRP00, HCC01, JB98, KT96, KOS09, MMP00, PL98, SNH02, Vah02, YWG10].
sequentially [LIA00]. SER [LD17]. Serial
[PMP17]. Serialized [KH10]. Series
[TW96]. Series-parallel [TW96]. server
[dW97]. servers [ANR13]. Service
[DKZ+15, AHAKP08, CBR+05].
Service-Level [DKZ+15]. Set
[HKL+15, LPD+17, LHF12, LF12, MCD12, OT15, Pom19b, Pom22, DPB02, Hua01, LP03, LCD07, LLYW10]. Sets
[Pom16b, YRH11, PR07, TCP97]. SEU
[JLF+12]. SG [KPB19]. SHAIP [HRK18].
Shannon [GBR07]. shaped [Meh98].
shapes [LM96]. Shaping [KLK+17]. Share
[RG19]. Share-n-Learn [RG19]. Shared
[KLJ14, SHBD21, ZAZ13]. Sharing
[CS22, LF12, RG19, TCL14, WGS16, BDB98, DK08, SHLL98]. Sherlock
[GACK22]. shield [LXCH04]. shielding
[Mut09]. Shift
[HWDQ22, Pom21b, PTC+15, WC10, WWW+12, LWK14, WPHL08]. shifter
[Kag05]. Shifts [LS19]. short [SSP04].
short-path [SSP04]. Shuffling
[HHK+17, KJR+07]. shutdown [HW00].
SID [LHK+15]. SID-Based [LHK+15].
Side [BSP+22, DZS+18, LQD22, LM21, NPH+20, ZBF18]. Side-Channel
[DZS+18, LQD22, ZBF18, LM21, NPH+20].
Side-Channels [BSP+22]. sided [Yan19].
Sigma [ZYW+18]. Signal [HRC21, LS22, MFHP12, STGR15, WGT+17, ZSY18, CPW04, LLLC13, SR12, TYH08, XZC09].
signal-integrity [XZC09]. Signals
[Yan16, MKW08]. Significance
[LJ+22, MHA19]. Silicon
[ANS+20, HAB+17, PTS+20]. SIMD
[EKEK22, YCL+23]. Similarity
[PIK20, TYSF20, YRH11]. Simplifying
[HA05]. Simulated [ZYS12, SMY07].
simulating [RHA08]. Simulation
[BLUS19, CDB11, EKS+14, E019, GDRPG11, HBPW14, HIW15, HPB11, IHI15, LS22, MDM+12, PRCK08, ST99, SKM+16, WS20, WWFT12, XJF+23, ZWD11, CVMP19, DCK10, DL11, HVF+01, HKB+07, KMC97, LOC12, PTC05, PH06, RSR01, WTL+13]. Simulation-Based
[EO19, PRCK08, LOC12]. Simulations
[LS11]. Simulator
[LAYZ23, LHK+15, FWCL05, EBR+09].
simulators [RPKC05]. Simultaneous [CC06, CYV+14, CFX09, JK10, LXCH04, SM00, CCX06, CCW08, CW01, MRC06, YHHT09]. simultaneously [HLCH07, SSP04].

Single [BD14, HCW+16, KRL15, LSZ+21, LQD22, RM23, SKS+18, SSL17, VEO16, Yan19, Yan20, PTC05, VJBC07, YW09].


Single-Layer [Yan20, Yan19]. Single-Rail [LQD22]. Single-Tier [SSL17]. Situ [HSP+22, SL18]. Size [KCKG16, YVC14, ZLG+19, AMR00, AM05, FNMS01, HH09, HKV+07, LDK99, LH09, SBH+06]. Sizing [DZ18, KKS16, LLM+23, LZZ1, LGGJ14, SV16, SCK+23, ZLL+16, CW01, HR06, LG12, MLG12, RGM09, SC00].

Skew [CH09, TCW20, CKKT98, HN07, HTCP13, LLHT12, LT11, wATK02]. Skew-aware [CH09].

Skewed [Pom19a, CSK05, Pom14b]. Skewed-Load [Pom19a, Pom14b]. Slack [ASAP17, NRZ+18, CGN96, KSA+10].

Slack-Based [ASAP17, KSA+10]. Slacks [PSNC18]. SLAM [BYT22]. Sleeping [TEK18]. Slew [WCCC14]. Slicible [DSK01]. SLO [HC18]. slow [NS03].

slow-speed [NS03]. Small [WGT+17, XLCL13]. small-delay [XLCL13].

Small-Signal [WGT+17]. Smart [AL19, FHL+23, HXC+18, HK18, JDD20, SKM+16, YMB15, ZHC+18, JS13, AL19].

Smart-Gateway [HCX+18]. Smart-Grid [HCX+18]. Smart-Hop [AL19]. SmartCap [LYHL14]. SmartDR [GdRJM21]. Smarter [HFM20]. Smartphone [LYHL14].

Smartphones [LYLW17]. SMs [SBR+17].

SMT [AA17]. SMT-Based [AA17]. Snoop [PCT+17, ZYPD08]. Snooping [GD22].

SoC [HYS+19, GM03, GDF09, XZC09, BHW+13, DCK10, Kan06, LLH+17, LCL08, MOZ06, SBC08, TCL14, WLCJ09].

SOC-based [GDF09]. SoCDAL [AHL+08].

SOCs [MSD06, BM11, JHMG18, JPHL16, ZM07].

Soft [CWL+22, DFM15, EKEK22, LD17, LW21, PHKW12, SWT23, TLF16, QS09, RJBS09, ANS+20]. Soft-Error [LW21, TLF16]. Soft-Error-Rate [LD17].

Soft-Hat [ANS+20]. Software [ANS+20, BM11, CBR+22, JHMG18, JHH21, KMR18, LLP+16, LHF12, SYGC22, THT12, YYL+15, AM05, BASB01, CMM00, CAC05, CM13, FHHG12, GGB97, HKL+07, JW08, KSK+05, KTKO13, LMW09, LP07, LVL03, MSD06, ML09, NG06, SS11, WYIG07, WYJ+07, WYG09, YGH+10].

Software-Based [ANS+20]. Software-Defined [JHMG18].

Software/Hardware [CBR+22]. Solid [CCS15, CD09, CCY14]. Solid-State [CCS15, CCYC14]. solid-state-disk [CD09].

Solution [GSFT16, JNS+17, YFT17, YFT18, FNMS01, SR12]. Solutions [WFT+19, CW01, NR01].

Solver [MS21, XJF+23]. solvers [DP02, QSK12].

Solving [CYV+14, WGD07]. Some [KAKSP16]. SOPs [BCC08]. Sorting [ZMP16, Yan00]. Source [YKCG14, BCR+08, KRK98, ZYX+13].

source-level [KRK98].

Source-Synchronous [YKCG14]. Sources [DHB16, CH96]. Space [AKAKP18, FLG+23, FCZ+23, GACK22, GCZ+15, HMM+20, PGGD23, RS18, Sch17, SHB21, WS22, APB+08, ARLJH06, BW00, EK07, JP08, KSS+09, RFG20, SW12, VCLD03]. Space-aware [PGGD23].

space-efficient [ARLJH06]. spaces [BC11].

spacing [MKW09]. spare [ACT13]. Spatial [GFC+09, RB19, Das09]. Spatio [SSC17].

Spatial-Temporal [SSC17]. Special [ADGS02, BJKX15, BMdG17, CCY22, CO18, HAW20, KLSZ11, LZR23, PFHAH22, TK18, YD16, BC08, CH10a, CLQ12, HJ08, JW08, JYK12].
specialization [ADM+13]. specialized [BC08]. Specific
substrates [SKCM06].
subsystems [JSG09].
Subthreshold [BFL10].
Subtraction [BSP+23].
Successive-Approximation-Register [HWCL15].
Successive [HWCL15].
Suited [GYZ+22].
sum [DK08].
sum-of-product [DK08].
SUPERB [EBR+09].
Supervised [RNA+21].
Supply [BSP+19, BM11, JLK15, 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].
Supports [MLH+17].
Suppressed [BC16].
Surrogate-Based [WFSS20].
Survey [BFG17a, BRCS18, GLD+22, HHH+21, KAC+23, LM19, Mt16, MRL+19, PTPB22, RJ14, SSK+23, BD97, CEB06, KG99, KP13, SW04].
survivability [ACT13].
suspect [DNA+12].
Suspension [NSH+16].
Sustainable [CXH+16].
SW [ADP+07, BFV15, FLPPP09, WWFT12].
Swarm [HLG+15].
Switch [MMM+22, CWW96, CZW+03, FLWV02, FLWC07, RFYL98, THL+13, ZHTC09].
switchboxes [DSKB04]. switched [CSC08, HWCL13]. switched-capacitor [HWCL13].
Switching [AVG19, GSS14, RM23, SRC15, BRL06, HCN09, PR11, SXX+06].
switching-activity [SXN+06].
Symbolic [BDM+99, BFG17b, DY23, MCD12, SHD17, BLM00, FWCL05, KVMHO8, YWGI09].
Symbolic-Event-Propagation-Based [MCD12]. symmetric [IAI+09].
Symmetrical [OCH19, CZW06].
symmetries [CMB07]. Synaptic [HSP+22].
Synchronizing [MDM+12]. Synchronous [CH17, HPB11, PMS15, TB20, WWW+12, YKCG14, ZABGZ17, BDM+99, BASB01, CACS05, CPR+02, HKB+07, MB04].
SynergyFlow [LYL+19].
Synthesis [AG22, AA17, BR12, BD00, BSP+23, CSKR05, CET16, CXS+23, CS22, CLMZ10, CCL03, EO19, FCZ+23, GBR07, HS18, HRC21, HMVG13, HZS+16, ISK21, JHH21, KK14, KKK12, KKS16, LS17, MKW21, NG06, OCK19, PDS12, PG15, PFHAH22, QSW+15, RCW22, RJ14, Sch17, SGC+14, SS14, SGGR14, SLV+22, SV11, SCCH08, UE22, WCCC14, WS22, YMB15, ADS+09, BDM+99, BZ08, CLK06, CMM00, CBMM10, CL99b, CD96, DDNAV04, FHHG12, GG99, GOC02, GH00, GGDN04, GWR13, HLKN07, HLC98, HLS00, HLHT08, Hua01, JLF+12, KSS+09, KKH+02, KK11, KW02, KHP05, KFH+08, LCD07, LC14, Lin97, LLHT12, LWH06, MMP00, DMM07, MKBS05, MJM11, MRC06, PBB+06, RFYL98, RS03, SW12, SCB01, SV07, TN99, TC98, VHLH98, VTK02, VKKR02, WW02, WG11, WKR09, XK97, XPS12, YWW10].
Synthesis-time [BSP+23]. Synthesized [RB21, SBR+17]. Synthesizing [GSS14, GNQ+22].
synthetic [PSK08].
System [BDM00, CH17, DMR10, GM08, GPH+09, HKL+15, HZS+19, LL15, LG18, NAK20, NRZ+18, PDS12, PPDK09, Pie16, PBSV+06, RFG20, SL18, SGGR14, TK18, WL12, YGG+16, ZHM07, APB+08, BPRR98, BMJ13, Cha01, CKAP07, CSC08, CGLH23, DC07, GG99, GABP00, HGBH09, HMVG13, HW00, LTH99, LCC11, MOZ06, MPSJ07, OCRS07, Ped06, SPG+08, Sen11, Vah09, ZLL13, dW97, AHL+08, LVI03, WLL+11].
System-Level [HKL+15, LL15, LG18, PDS12, Pie16, BdM00, GM08, PPDK09, RFG20, ZHM07, MOZ06, OCRS07, Ped06, Sen11, Vah09, ZLL13]. system-on-a-chip [Cha01, CKAP07]. System-on-Chip [HZS+19, SGGR14, APB+08, BMJ13, CSC08, WLL+11, AHL+08].
System-scenario-based [GPH+09].
Systematic [AMM+06, SLP+19, KPR06, RPCK05].
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, ADGSM22, BHK17, BLNK14, BJX15, BSP+22, BB17, BS14c, CLL+22, CHA+23, CH01a, CCH+15a, CHBK15, CXLL22, CYH19, DFM15, DHX+23, EAP17, GT21, HXZ+23, HK18, IGN18, JHJH21, KLSZ09, KC10, KMR18, LL15, LWX+23, LH+15, LZZSV15, LMA+16, LL19, LZA+21, MRL+19, NSH+16, ORGD+15, PPP+15, PSNC18, PG15, PZBM19, PY20, QBTM16, RFG20, RG19, RNA+21, SSC17, SPT+17, SBY+20, STWX12, SS14, SHB21, SAL19, TB20, THT12, TL19, WLZ+19, WHRC12, WQc+16, WDD+23, WDLX21, XPZ+18, XGC+20, YBM+21, YRH11, ZLW+15, ZMS+19, ADM+13, AM10, ADDM+13, ARLJH06, BD00, BWB14, CSHR07, CMM00, CSL+07, Con06, CQL12, CCL04, DCK07, DRRG98, DDNAV04, DTC+09, GDG07, GHP+09, GDF09, HKQ+07, HV07, HDL+12, HLCRC98, HS00, HBC+08, JS13, JWL+03, JW08, KKM02, KC13, KP13, KFH+08, LCZ+08, LCK+09, LSDV10, LD09].
systems [LP07, MB01, MDG98, MH07, ML09, OK08, PD00, PCD+01, PSL+98, Pd11, PEP06, Qs09, Rk09, RSR01, SCB01, SLXZ12, SUC01, SHN12, SS11, SZZ+12, THC+14, W096, W097, ZAJ+12, ZP08, SN10, CPX14]. Systems-on-Chip [BHK17, HDL+12, KP13]. Systems-on-Chips [LWX+23]. SystemVerilog [CVY+14].
T [YYC09]. T-trees [YYC09]. TAAL [JZG21]. table [KSD+22, WSEA99]. table-based [WSEA99]. tables [CH02, YTHC97]. Tag [YBS+18]. tagged [ZP08]. Tailoring [CSC08]. Taming [FHHH22]. Tampering [HYK+20, JZG21]. Tandem [MR09]. Tapered [BSP+23, KKH16]. Target [GKS+20, KYL16, PBWB21, PBF+22, Pom20, FS13]. Targeted [SNL12]. Targeting [LPD+17, LZY+23, PTPB22, JBC+10, MLMM08]. Task [ENP20, LMA+16, SZB17, DCK07, GKI4, GBC07, YLYL09]. Tasks [CH17, SSC17, WJG+19]. taxonomy [KP13]. TCAM [VNS19]. TCONMAP [HABS15]. tdf [ZMT13]. TDM [VGG19]. TDM-based [VGG19]. Technique [CV17, JK10, JPM+19, LGG+14, SBB+18, DHV+00, HLC07, IBD07, KI01, LC96, MB04, Mut09, RSR01]. Techniques [GD20, GDG07, MD07, Mit16, PTC+15, TWL16, WSV+14, YD16, AM05, BD97, BD00, BH10, BAS01, CLM+10, CSAHR07, CACS05, CFHM09, DS06, DD02, HP99, HCS01, HCC01, KSK+05, KMS12, KHP05, LSDL0, LBD0, LH07, LHT05, LVL03, OCR10, OK08, PCD+01, RIJS09, TY97, TB13, TYH08, VMP+00, XK97, ZH08]. Technologies [PFHAH22, SN10, BC08]. Technology [BFL10, CHY05, DKT+16, DBK+18, GLD+22, HAB15, JYZ15, SABS15, YD16, ZQ02, BLM00, CH02, CH00, KL05, LKM04, PL08, W06, 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, WYY+07]. Temperature-aware [ZYP09, ADP+07, CLQ12]. template [HGBH09]. Temporal [Pie16, SSC17, YYC07, BD05, Das09, YYC09]. Temporally [PRCK08]. Tensor [HSL+22, SYH+22]. terminals [ISE08]. Test [AYM05, BDBB19, EM03, EO19, FHL+23, GF06, IE12, LCT03, LYS019, LM21, MCD12, NCM17, PKJK20, Pom15a, Pom15b, Pom15c, Pom16b, Pom16c, Pom17a, PV17, Pom18a, Pom19b, Pom20, Pom21a, Pom22, RJ14, SBB+18, TBZ13,
Test-Architecture \{WWCT18, XZC09\}. 
Testability \{LW21, Pom16a, Pom18a, FRS97, PSK08, Pom14a, SCJ01\}. 
Testable \{GBR07, LW21, RMPJ08\}. 
testbenches \{BFP08\}. 
testers \{NS03, SBC08\}. 
Testing \{LPY+20, NS03, PTC+15, TPC+17, WWCT18, WWW+12, XCW12, XCF18, JT98, KBN09, LHCT05, PKP+03, SEN05, SXZV13, SCJ01, SOC06, TD03, XZC09\}. 
Tests \{Pom15a, Pom16a, Pom16c, Pom18b, Pom19a, Pom19b, Pom20, Pom21a, Pom21b, DNA+12, PR09, Pom13, Pom14a, Pom14b\}. 
text \{LDK99\}. 
text-compression-based \{LDK99\}. 
Thief \{BTP+20\}. 
Their \{MLH+17, PTPB22, DSK01\}. 
thecoretic \{HR06\}. 
Theoretical \{TB20, SB98\}. 
Theories \{PG15, YW09\}. 
Theory \{CXL22, MDM+12, SSK+23, JWL+03\}. 
Thermal \{CK19, CLT+15, CXH+16, CVMP19, CAP+23, CR12, DCK10, JGM14, LCK+09, LHW+17, LDD+18, LZA+21, MDR15, OCK19, SBY+20, SKP21, WMT+16, ZHC+18, ZF23, ADDM+13, ANR13, GKL14, LH31, LHZ+06, LTP10, QS1K12, WTL+13, WJY+07, YHH09, ZAJ+12, ZSZ10\}. 
Thermal-Aware \{SBY+20, SYX12, OCK19\}. 
thermal-oriented \{LHZ+06\}. 
Thermal-Sensor-Based \{ZHC+18\}. 
Thermally \{RGM15\}. 
thermodynamic \{VLH04\}. 
Things \{TK18\}. 
Thread \{CNQ13, SV11, KBA08\}. 
Thread-based \{CNQ13\}. 
threaded \{HC17\}. 
Three \{KQP+19, LQD22, RGM15, WXH+19, Yan00, Vah02, YYY07, YYY09\}. 
Three-Dimensional \{RGM15, KQZ+19, WXH+19, YYY07, YYY09\}. 
Three-layer \{Yan00\}. 
Three-Phase \{LQD22\}. 
three-step \{Vah02\}. 
Threshold \{CZW19, DHVW18, SV16, SHN12\}. 
Throughput \{HCRK11, HIW15, KLJ14, MS23, SEN15, CGLZ11, EKEK22, GM08, PRKK21, SKS12, SHN12\}. 
throughput-aware \{SKS12\}. 
Throughput-Optimized \{HCRK11\}. 
Thwart \{BTP+20, LSK20\}. 
Tier \{SSL17\}. 
TIGFET \{LQD22\}. 
TIGFET-Based \{LQD22\}. 
tightly \{LMB+12\}. 
tightly-coupled \{LMB+12\}. 
Tightness \{APS18\}. 
tile \{ Djp21\}. 
Tiled-DNUCA \{DK16\}. 
Time \{APDC17, BB17, CHA+23, CBK15, CBC22, CH17, CJKK19, FG18, GY+22, HXC+18, IGN18, KPF16, KPB19, LM19, LSZ+21, LSK20, NSH+16, PSNC18, PGGD23, PY20, SSC17, SBY+20, SLV+22, WLZ+19, WDZG16, WJG+19, YHR11, ZLY+15, ZZCY17, APB+08, ARLJH06, BSP+23, CSAHR07, DP02, DSG98, FHH21, HMLL11, HLK07, HMVG13, KNRK06, LCHT02, LTP10, MR96, MHQ07, NG06, PEPP06, PW99, SCB01, SWT23, WGD07, WLL+11, ZAV13\}. 
Time- \{PGGD23, ARLJH06\}. 
time-constrained \{NG06, SCB01\}. 
time-constraints \{CSAHR07\}. 
Time-Division \{PY20\}. 
time-domain \{LTP+13\}. 
Time-Multiplexed \{LM19\}. 
Time-Sensitive \{CHA+23\}. 
Time-Triggered \{BB17, IGN18, KPB19\}. 
time/resource \{WGDK07\}. 
Times \{PMS15\}. 
Timing \{CZW00, CB17, HIW15, HS19, JNCS19, KKK12, LVS16, LJJ18, LWC18, LYCP17, LNG+16, LL19, MJM11, MKW08, TB20, VBP+19, WSH+18, WKC12, WL12, Yan08, WPC16, WSK12\}.
Uncertainties [CS07]. Uncertainty [CXLL22, GC18, STGR15]. Unclonable [CSC +21, YBS +18]. Uncore [WGSH16]. Understanding [HHL14]. Undetectable [Pom19b]. Unicast [XS16, XCF18]. Unicast-Based [XS16, XCF18]. unified [Kag05]. Uniform [HZS +19, KCKG16]. Unique [SOS15]. UNISIM [LS11]. UNISIM-Based [LS11]. Unison [SGJ96]. Unit [BM11, HWCL15, ZXC +23, HWCL13]. Unit-Capacitor [HWCL15]. Units [LCJ +22]. Universal [CW96, CJKK19, JCK +22, FLW02, FLWC07], universality [RHN00]. Unknown [SSO16]. Unknowns [EKS +14]. Unmannned [HXB +22]. Unnecessary [Pom15c]. unpredictabilities [DS05]. unpredictability [SPG +08], unscheduled [MVF96]. Unstructured [VTC20]. Untangling [Yan19, YW09], uncontrollable [LIA00]. UPaK [WR09]. Update [KC10]. Upper [JLJ15], upset [NdLCR03, RM09]. upsets [MRB +11]. Use [KBV +15, KFH +08, MS00]. use-cases [KFH +08]. Useful [TCW20]. Using [APDC17, APD +11, ASAP17, AV19, AGM01, BBEM15, BDB12, BS14b, BM11, BLUS19, CM19, CAOM19, CYV +14, CJKK19, DNA +12, EW18a, EW18b, EK16, FZL +23, FWCL05, FHR21, FYCT15, GF16, GBR07, GNCT21, GD20, GHYR19, HS18, JBJ22, JNS +17, JSS +19, KQP +19, LHS20, LHH +17, LFS21, LYH14, LYS019, LSCK20, LLK +14, LCC +15, LM21, MA16, NPH +20, PJJ14, PMT20, PG15, PR09, Pom15a, SMS22, SKS +18, TB20, TYSF20, THM15, TMD010, TCL14, WKL +18, WXH +19, WSS +18, YHL +11, ZHC +18, ZYS12, ZMS +19, BLR06, BWB14, BK10, BGN +07, BASB01, CACS05, CBMM10, CFHM09, CK96, GGBZ02, GK07, GK09, HVE +01, HMB98, HPK99, HCC01, HW14, KSK +05, KRS06, KPR06, KMS12, KMC97, LCT03, LSL +13, LON08, MHD +04, MSR09, MS08, MR05, MP07, MLC08, MVL +18, NRZ +18, PRCK08, PKP +03, PMB10, PHM0, RJJ +09, RCD07, SGK08, SABS015]. using [SFM +19, STL +13, SYH +22, SBH +06, SCJ01, TLF16, TWL16, TN09, TD03, TYH08, Vah02, WYY99, WJY11, WCC03, XCL13, XK97, YTHC97, YYC07, ZHOM08]. UST [wATkK02]. UST/DME [wATkK02]. Utilisation [NAK02]. utility [BCR +08]. Utilization [KKLG15, KMR18, MT15, GM03, SBC08, SY07]. Utilizing [BLN14, CK16, EBR +09, LQD22]. UTPlaceF [LLL +18].


References


Abouzeid:2011:COS


Aksoy:2012:OAM


Agarwal:2013:SDS


Afacan:2019:CRC


Al-Dujaily:2013:DPB


Alaghi:2022:ISI

Abouelella:2013:HEI


Atienza:2007:HSE


Avnit:2009:PCC


Abel:2022:FSS


Ashar:2001:UCD


Abbasian:2008:WBD

A. Abbasian, S. Hatami, A. Azali-Kusha, and M. Pedram. Wavelet-based dynamic power management for nonstationary service requests. *ACM


REFERENCES


David Atienza, Jose M. Mendias, Stylianos Managkakis, Dimitrios Soudris, and Francky

**Abuowaimer:2018:GRD**


**Anonymous:2013:CNE**


**Ayoub:2013:CCM**


**Alam:2020:SSB**


**Ali:2017:RCD**


**Amir:2019:SPC**


**Al-Yamani:2005:TCE**


**Alasad:2020:SLO**


**Boyer:2001:ODS**


**Behera:2017:TTS**


**Bogliolo:2000:RBR**

Alessandro Bogliolo, Luca Benini, and Giovanni De Micheli. Regression-based

Beznia:2015:TAR


Bhattacharya:2005:OWP


Bahar:2008:IJA


Bemasconi:2011:DRB


Bemasconi:2016:IRZ


Bemasconi:2008:OKS

REFERENCES


REFERENCES


[Benini:1999:SSC] Luca Benini and Giovanni de Micheli. System-level power optimization: techniques and tools. ACM Transactions on Design Automation of Electronic Systems,
REFERENCES


REFERENCES


REFERENCES


Balakrishnan:2000:AFS


Blanc:2010:RAS


Baranowski:2015:RSN


Bhanja:2006:SFG


Bhar:2000:POT


Baek:2014:DHD

REFERENCES

Bonna:2019:MSD


Bondade:2011:HSC


Basten:2017:SSI


Bogdan:2013:DPM


Bommu:2000:RBF


Benso:1998:ELC


Bonetti:2017:AID


Backes:2012:SCD


Boghrati:2014:IAP


Bolchini:2014:DHE


Boukhobza:2018:ENS

REFERENCES


REFERENCES


[CAOM19] Vidya A. Chhabria, Vipul Ahuja, Ashwath Prabhu, Nikhil Patil, Palkesh Jain, and Sachin S. Sapatnekar. Encoder-decoder networks for analyzing thermal...


Ciordas:2005:EBM


Choudhury:2022:SHC


Chen:2006:SPC


Chien:2009:SMV


Clarke:2009:WLS


Chang:2015:MBW


Chang:2015:CDC


Da-Wei Chang, Hsin-Hung Chen, and Wei-Jian Su. VSSD:


Chandra:2022:ISS


Chang:2014:BBL


Cong:1996:CLS


Chang:2009:DIE


REFERENCES


Chang:1996:OCP


Cong:1996:OWI


Chowdhary:2002:GTM


Chang:2010:CPA

REFERENCES


[CHC+16] Yu-Ming Chang, Pi-Cheng Hsiu, Yuan-Hao Chang, Chi-Hao Chen, Tei-Wei Kuo, and


Rita Yu Chen, Mary Jane Irwin, and Raminder S. Bajwa. Architecture-level power estimation and design experiments. *ACM Transactions
REFERENCES


Cheng:2015:ABW


Choi:2019:RDR


Cong:2011:AMP


Cheng:1996:AGF


Czerwinski:2016:SAO


Chakraborty:2019:ERL

Shounak Chakraborty and Hemangee K. Kapoor. Exploring the role of large cen-
 REFERENCES


**Chakrapani:2007:PSC**  

**Cong:1998:BSC**  

**Cheng:1999:CGN**  

**Choi:1999:FDA**  

**Chang:2013:IPP**  
REFERENCES

DEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).


Charles:2020:RNC


Chang:2007:PRE


Chen:1998:SDI


Carchiolo:2000:HSS


Cabodi:2008:BID


Calimera:2010:NAC


REFERENCES

Chang:2014:EBT

Cochran:2012:TPA

Chen:2015:DMD

Cai:2007:WAD
REFERENCES


[CT13] Yao-Lin Chang and I-Lun Tseng. A parallel dual-scanline...


Guoqing Chen, Yi Xu, Xing Hu, Xiangyang Guo, Jun Ma, Yu Hu, and Yuan Xie. TSocket: Thermal sustainable power budgeting. ACM Transactions on Design Automation of Elec-
REFERENCES

tronic Systems, 21(2):29:1–29:??, January 2016. CO-
DEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

[CXK+13] Xi Chen, Zheng Xu, Hyungjun Kim, Paul Gratz, Jiang Hu,
Michael Kishinevsky, and Umit Ogras. In-network monitoring
and control policy for DVFS of CMP networks-on-chip and
last level caches. ACM Transactions on Design Automation
of Electronic Systems, 18(4):47:1–47:??, October 2013. CO-
DEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

[CXS+23] Si Chen, Guoqi Xie, Renfa Li, and Keqin Li. Uncertainty the-
ory based partitioning for cyber-
physical systems with uncertain
reliability analysis. ACM Trans-
ation on Design Automation
of Electronic Systems, 27(3):
23:1–23:19, May 2022. CO-
DEN ATASFO. ISSN 1084-
4309 (print), 1557-7309 (elec-
.org/doi/10.1145/3490177.

[JYH19] Junchul Choi, Hoeseok Yang, and Soonhoi Ha. Optimization of fault-tolerant mixed-
criticality multi-core systems with enhanced WCRT analy-
sis. ACM Transactions on De-
sign Automation of Electronic
2019. CODEN ATASFO.
ISSN 1084-4309 (print), 1557-
7309 (electronic).

[CXR+23] Dwaipayan Choudhury, Lizhi Xiang, Aravind Rajam, Anan-
tharaman Kalyanaraman, and
Partha Pratim Pande. Accel-
tering graph computations on 3D NoC-enabled PIM ar-
chitectures. ACM Transactions on Design Automation
of Electronic Systems, 28(3):
30:1–30:??, May 2023. CO-
DEN ATASFO. ISSN 1084-
4309 (print), 1557-7309 (elec-
.org/doi/10.1145/3564290.

[CYS+23] An-Che Cheng, Chia-Chih (Jack) Yen, Celina G. Val, Sam Bay-
less, Alan J. Hu, Iris Hui-Ru Jiang, and Jing-Yang Jou. Ef-
ficient coverage-driven stimulus generation using simultaneous
SAT solving, with application
to SystemVerilog. ACM Trans-
REFERENCES


Chen:2021:RMB


Dasdan:2004:EAF


Dasdan:2009:PEA

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Authors</th>
<th>Journal</th>
<th>Volume</th>
<th>Issue/Issue</th>
<th>Pages</th>
<th>Date</th>
<th>Digital Object Identifier (DOI)</th>
</tr>
</thead>
</table>
REFERENCES


[Ding:2023:MAP] Bo Ding, Jinglei Huang, Qi Xu, Jimpeng Wang, Song Chen, and

Duarte:2011:HDP


Duarte:2011:HDP


Du:2023:TLR


Deb:2021:CRC

Monzurul Islam Dewan and Dae Hyun Kim. Design automation algorithms for the NP-separate VLSI design methodology. *ACM Transactions on Design Automation of Elec-
REFERENCES


Dey:2020:MLA  

Dandalis:2004:ACE  

Dandalis:2002:RTP  

Dasgupta:2002:MBP  

Dasdan:1998:TDD  
REFERENCES


REFERENCES


REFERENCES

Dai:2023:SAD

Dong:2018:PAA

Duan:2015:DDO

Delledonne:2018:CDA

Ebrahimi-Azandaryani:2023:ACA

Enrici:2017:MDE
Andrea Enrici, Ludovic Apvrille, and Renaud Pacalet. A model-driven engineering methodology to design parallel and distributed embedded systems.
Engelke:2009:SSU


Edwards:2003:TCC


Elangovan:2022:ABA


Esbensen:1997:PDI


Ewetz:2016:CR


Ebrahimi:2022:PCL

Zahra Ebrahimi, Dennis Klar, Mohammad Aasim Ekhtiyar, and Akash Kumar. Plasticine: a cross-layer approximation methodology for multi-kernel applications through minimally biased, high-throughput, and energy-efficient SIMD soft


Feng:2022:TTO


Feng:2021:FRT


Fang:2023:ETC


Feng:2023:GGA


Fummi:2009:CMH

REFERENCES

Fan:2007:ECD

Fan:2002:RDG

Flores:2001:ESM

Faezipour:2009:HPE

Fummi:1997:FDT

Forte:2013:RAA
Fujita:2005:ECB


Fang:2000:MFP


Feng:2005:UDP


Firouzi:2015:AVA


Fournier:2011:PAC


Fan:2023:PCC


Gogniat:2000:CBE

[GABP00] G. Gogniat, M. Auguin, L. Bianco, and A. Pegatoquet. A code-

Gautier:2022:SMO


Gade:2019:EEC


Goel:2021:MNN


Gorjiara:2007:UFE


Gangwar:2007:IIC

Ghosh:2007:LPT


Ganley:1996:RST


Gomez:2018:SCP


Gingade:2016:HPM


Guo:2015:RDS


Goli:2020:PAP


Gade:2022:NHC

Sri Harsha Gade and Sujay Deb. A novel hybrid cache coherence

**Ghosh:2021:PDP**


**Grosse:2009:MPO**


**Guan:2008:SAP**


**Garcia-Dopico:2011:NA**


**Goncalves:2021:SA**


**Guo:2017:OBP**

REFERENCES

Galanis:2007:SES

Goren:2006:TSG

Guan:2010:RFP

Geelen:2009:SLE

Ghasemzadeh:2016:HAE

Gasteier:1999:BBC
REFERENCES

citations/journals/todaes/1999-4-1/p1-gasteier/.

Ghosh:2004:COE


GG04

Gong:1997:MRH


GGGB97

Glebov:2002:FNA


GGZB2001

Gupta:2004:CPC


GGDN2004

Gupta:2000:CIP


Gupta:2012:HPC


Sivaram Gopalakrishnan and Priyank Kalla. 2009 ACM TO-DAES best paper award: Optimization of polynomial dat-
Gong:2012:FNM


Goel:2003:STA


Garg:2008:SLT


Gnger:2013:BAD


GuerraSilva:2002:SMA


Gnad:2021:VBC


REFERENCES


Gupta:2013:ECR


Gao:2018:ECI


Guin:2016:FCS


Gange:2014:SOS


Gebregirogis:2021:ALF


Gupte:2015:FAT


Guthaus:2013:RAP


**Gately:2012:AJO**


**Gong:2022:AMB**


**Higgins:2005:SD**


**Hovaida:2017:EMA**


**Heyse:2015:TTM**


**Harris:2005:I**

REFERENCES


[Huang:2013:IBM] Po-Chun Huang, Yuan-Hao Chang, and Tei-Wei Kuo.
REFERENCES


**Huang:2014:GCM**


**Hsiung:1998:IIC**


**Huang:2009:OPR**


**Han:2011:DIT**


**Hu:2001:ELA**


**Ho:2016:AAD**

Ching-Hsuan Ho, Yung-Chih Chen, Chun-Yao Wang, Ching-Yi Huang, Suman Datta, and Vijaykrishnan Narayanan.
References


Huang:2016:FTS


Handique:2022:FLS


Holt:2012:FLP


[He:2020:LHD]


Huang:2020:TSD


Huang:2007:ESC

[HG07] Po-Kuan Huang and Soheil Ghiasi. Efficient and scalable compiler-directed energy optimization for realtime applications. *ACM Transactions on Design Automation of...


REFERENCES


REFERENCES

Hu:2007:IHM


Hsieh:2007:FDC


Hosseinabady:2007:LTA


Hung:2023:DDR

REFERENCES


[HMO+14] Wei Hu, Dejun Mu, Jason Oberg, Baolei Mao, Mohit Ti...


[Hassanpourghadi:2021:MLG] Mohsen Hassanpourghadi, Rezwan A. Rasul, and Mike Shuo-Wei Chen. A module-linking graph assisted hybrid optimization framework for custom analog and mixed-signal circuit param-


Hsiung:2001:PPO


Huang:2022:AHS


Huang:2013:LPA


Hu:2020:EMN


Huang:2001:CSP


Huggins:1998:SVP

James K. Huggins and David Van Campenhout. Specification

**Herrera:2007:FHS**


**Herrera:2007:FHS**


**Hartanto:2001:DSS**


**Hung:2014:AFD**


**Hwang:2000:PSS**


**Hwang:2013:OCC**
Huang:2015:PDU


Han:2022:DSL


He:2016:RIM


Huang:2023:CFD


Huang:2014:ICP


He:2022:DME


Huang:2018:DML


REFERENCES


REFERENCES

2017. CODEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

Irwin:2000:E


Inoue:2008:PVS


Islam:2021:HLS


Ince:2021:FBB


Johnson:1998:MAS


Jamieson:2010:BER

Peter Jamieson, Tobias Becker, Peter Y. K. Cheung, Wayne Luk, Tero Rissa, and Teemu Pitkänen. Benchmarking and evaluating reconfigurable architectures targeting the mobile domain. ACM Transactions on Design Automation of
Jagadheesh:2022:NAM

Jan:2005:GMR

Jun:2018:RBD

Jha:2000:HLL

Jiao:2018:OER
DEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).


Jeong:2021:DMB


Jayakumar:2010:SIV


Jafari:2015:LUD


Jung:2015:LMS


Jose:2014:IAH


Jung:2019:ILP

Jinwook Jung, Gi-Joon Nam, Woohyun Chung, and Youngsoo Shin. Integrated latch

Jeong:2017:CSP

Jeong, Jae Woong; Natarajan, Vishwanath; Sen, Shreyas; Mak, Tin; Kitchen, Jennifer; Ozev, Sule. A comprehensive BIST solution for polar transceivers using on-chip resources. *ACM Transactions on Design Automation of Electronic Systems*, 23(1): 2:1–2:??, October 2017. CODEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

Jeong:2017:MSM


Jin:2016:CEE


[JT98]


[JYHY21]


[JW08]


[JYY+22]


[JZG21]
Jiang:2015:CLF

Koblah:2023:SPA

Kagaris:2005:UMP

Kamal:2016:YSI

Kandemir:2006:REC

Krashinsky:2008:ISV

Kavousianos:2009:EPS
REFERENCES


REFERENCES


[KGK12] Mohammed G. Khatib. Migration-resistant policies for probe-wear leveling in MEMS stor-


Tak-Yung Kim and Taewhan Kim. Clock tree synthesis

Kang:2014:IRA


Kim:2002:LTL


Kim:2015:MMS


Kurimoto:2012:YRI

Kritikakou:2018:DDS

Karfa:2012:FVC

Kolsen:1996:ORA

Kulkarni:2006:CTA

Karabacak:2018:RDU
REFERENCES

137

[102x681] REFERENCES

137

4309 (print), 1557-7309 (electronic).

Kim:2009:MLP


Kornaros:2013:STC


Kee:2022:LPP


Kukkala:2019:JSF


Kashif:2016:PSR


Kang:2006:STA


Kahng:2009:LAA

[102x681] Andrew B. Kahng, Chul-Hong


Masanori Kurimoto, Hiroaki Suzuki, Rei Akiyama, Tadao Yamanaka, Haruyuki Okkuma, Hidehiro Takata, and Hirofumi Shinohara. Phase-adjustable er-

**Kolhe:2022:BDS**


**Kadayif:2005:OIT**


**Keinert:2009:SAE**


**Kagaris:1996:FAM**


**Kagaris:2001:NHC**

REFERENCES

Kadayif:2013:HSA

Kucinski:2003:CDS

Krishnaswamy:2008:PTM

Kountouris:2002:ESC

Katoen:2016:PMC

Kim:2016:IWP

Kurimoto:2012:VWR


REFERENCES

Liu:2007:IEM

Lee:2013:SRB

Lee:2014:CPA

 Li:2022:DDN
Chaojian Li, Wuyang Chen, Yuchen Gu, Tianlong Chen, Yonggan Fu, Zhangyang Wang, and Yingyan Lin. DANCE: DAta-Network Co-optimization for Efficient segmentation model


REFERENCES


Lee:2007:CCA


Li:2003:TDC


Leung:2012:PVI


Liu:2018:RML


Lee:2008:FCB


Li:2017:ASE


Lee:2018:PTT

Dongjin Lee, Sourav Das, Janardhan Rao Doppa, Partha Pratik Pande, and Krishnendu Chakrabarty. Performance and thermal tradeoffs for energy-

Lee:2019:IEC


Liao:1999:TCB


Lee:2020:IEC


Laubeuf:2022:DQR


Luo:2022:FDF


Lin:2012:RSP


Liu:2009:MAA


Liu:2012:ECM


Lee:2018:LBF


Lozano:2023:LBP

REFERENCES

Livramento:2014:HTD


Lin:2009:SCD


Lee:2014:DCC


Li:2016:ODM


Liu:2005:ETT


Lin:2012:HSC

[LHF12] Hai Lin, Tiansi Hu, and Yunsi Fei. A hardware/software coop-


Lee:2017:TPT


Li:2006:ETO


Liu:2022:AAF


Lin:1997:RDH

Lee:2018:ICA


Lapinskii:2002:CAH


Li:2022:NAD


Lu:2018:FDR


Lin:2019:QEO


Lee:2022:DAA

Jaechul Lee, Cédric Killian, Sébastien Le Beux, and Daniel Chillet. Distance-aware ap-


[LL15] Jong Chul Lee and Roman Lysecky. System-level observa-


REFERENCES

April 2003. CODEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

Lin:2012:LBC


Lim:2014:PMG


Lee:2013:AVC


Li:2018:UHP


Liu:2013:ABF

Lin:2018:MRB


Liao:2001:CPT


Li:2023:PDW


Lee:2016:DWC


Li:2003:CLF


Lop:1996:EDP

REFERENCES

Lee:2005:PDD

Li:2019:TMF

Lyu:2021:MSC

Lari:2012:HPM

Lukasiewycz:2016:SAO

Li:1999:PEE


LMW99


Livramento:2016:CTA


Liu:2008:PVA

Lee:2003:ACG


Lee:2003:ACG

Lim:2007:ISI

REFERENCES


[Liu:2022:LOH] Yanjiang Liu, Tongzhou Qu, and Zibin Dai. A low-overhead and high-security cryptographic circuit design utilizing the TIGFET-based three-phase single-rail pulse regis-


REFERENCES


REFERENCES


Liu:2013:PBA


Liu:2016:ECM


Liu:2022:FIA


Lyseczy:2002:PIB

[LV02] Roman Lysecky and Frank Vahid. Prefetching for improved bus wrapper performance in cores. ACM Transactions on
References


Liu:2014:SIS

Lopez-Vallejo:2003:HSP

Lee:2016:TPD


Chen-Hsuan Lin, Lu Wan, and Deming Chen. C-Mine: Data mining of logic common cases

[Liu:2006:CML]

[LWH06]

[LWK11]

[Lepak:2004:SSI]

[LXCH04]

[LXWC20]

Lee:2013:RIB


Liu:2017:ILA


Li:2019:SEA


Lin:2017:HDP

Liu:2020:APA


Liao:2021:EPA


Li:2019:ATR


Luo:2021:TMF


Lin:2023:ISI

REFERENCES

Li:2023:MLB


Le:2023:PBM


Lin:2015:SAD


Mehri:2016:GAB


Maric:2014:HCD


Marwedel:2000:GE


Mazumdar:2016:CIS

[Bodhisatwa Mazumdar, Sk. Subidha Ali, and Ozgur Sinanoglu. A compact implementation of Salsa20 and its power analysis vulnerabilities. ACM Transac-
Mahfouzi:2020:SAR


Murthy:2004:BMP


Mariatos:2001:MAC


Mandal:2020:EAO


Mondal:2012:SEP


Muchherla:2008:NEW

Kishore Kumar Muchherla, Pin-
REFERENCES


Subhankar Mukherjee, Pallab Dasgupta, Siddhartha Mukhopadhyay, Scott Little, John Havlicek, and Srikanth Chandrasekaran. Synchronizing AMS assertions with AMS simulation: From theory to practice. *ACM Transactions on De-
REFERENCES

Mirtar:2015:AAA

Mahmoud:2023:LEP

Mehhta:1998:ESR

Milder:2012:CGH

Morgado:2009:GRS

Mitra:2015:OWS
Metwalli:2019:SAS


Ma:2004:SCU


Mittal:2016:STC


Mey:2014:CEL


Mochocki:2007:TOA


Moreno:1996:REU


Monteiro:2019:OCF

[Jucemar Monteiro, Marcelo Johann, and Laleh Behjat. An

Mittal:2011:TV

Memik:2005:SAO

Majzoobi:2013:LPR

Moiseev:2008:TAP

Moiseev:2009:PDO

Mu:2009:AHS
Moscola:2008:RCB


Mok:2012:DSL


Moon:2017:ASP


Mukherjee:2008:HLC


Mahalat:2022:ICA


Marculescu:2000:SSM

REFERENCES


[MPSJ07] Deepak Mathaikutty, Hiren Patel, Sandeep Shukla, and Axel
Jantsch. EWD: a metamodeling
driven customizable multi-MoC
system modeling framework. 
*ACM Transactions on Design 
Automation of Electronic Sys-
tems*, 12(3):33:1–33:??, August 
2007. CODEN ATASFO. ISSN 
1084-4309 (print), 1557-7309 
(electronic).

Middelhoek:1996:VEF

[MR96] Peter F. A. Middelhoek and 
Sreeranga P. Rajan. From 
VHDL to efficient and first-
time-right designs: a formal 
approach. *ACM Transactions 
on Design Automation of Elec-
tronic Systems*, 1(2):205–250, 
April 1996. CODEN ATASFO. 
ISSN 1084-4309 (print), 1557-
7309 (electronic). URL http://
www.acm.org/pubs/articles/
journals/todaes/1996-1-2/
p205-middelhoek/p205-middelhoek.
pdf; http://www.acm.org/
pubs/citations/journals/todaes/
1996-1-2/p205-middelhoek/.

Mohanty:2006:IMS


Muhammad:2019:RBS


Maestro:2011:MEL

[MRB+11] Juan Antonio Maestro, Pedro 
Reviriego, Sanghyeon Baeg, Shi-
jie Wen, and Richard Wong. 
Mitigating the effects of large 
multiple cell upsets (MCUs) 
in memories. *ACM Transactions on Design Automation of 
Electronic Systems*, 16(4):45:1– 
45:??, October 2011. CODEN 
ATASFO. ISSN 1084-4309 
(print), 1557-7309 (electronic).

Malekpour:2020:HTM

[Amin Malekpour, Roshan 
Ragel, Thu Li, Haris Javaid, 
Aleksandar Ignjatovic, and Sri


[MS23] Svetlana Minakova and Todor Stefanov. Memory-throughput...
REFERENCES


Meh:2009:ICH


Mehra:2006:ADL


Majumder:2007:HPV


Malik:2009:SCU


Michael:2002:ATD


More:2015:LAN


Mutyam:2009:SST

Madhu Mutyam. Selective shielding technique to eliminate crosstalk transitions. *ACM
Muztoba:2018:IAI


Mak:1997:BLM


Munch:1997:EIB


Mohammadzadeh:2021:EOP


Ma:2020:MEF


Nath:2020:RDB

Arijit Nath, Sukarn Agarwal,


REFERENCES


Nahiyan:2020:SCF


Nongpoh:2019:ESE


Narasimhan:2001:FAC


Noltsis:2018:RSC


Niggenmeyer:2003:DAM


Nummer:2003:THP


REFERENCES


Ogras:2008:AOP


Ochoa-Ruiz:2015:MAR


Obenaus:2003:GFP


Oboril:2015:EIS


Ozdal:2006:TLB


Ozdal:2008:ORA


Pomeranz:2021:LDH

REFERENCES


Pomeranz:2017:TMR


Pan:2012:ERE


Panerati:2014:CEM


Poddar:2022:DDM


Park:2017:HHC


Pinto:2006:SLD


[Panda:1997:MDO] Preeti Ranjan Panda, Nikil D. Dutt, and Alexandru Nicolau. Memory data organization for improved cache performance in embedded pro-

**Panda:2000:CVC**


**Pasha:2012:SLS**


CODEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

**Pedram:1996:PMI**


**Pedram:2006:ISI**


**Pedram:2008:E**

Pedram:2011:CPV


Pop:2006:AOD


Pilato:2022:ISS


Peter:2015:CBS


Parulkar:2001:IRC


Poddar:2016:ECS


Pereira:2023:IED

REFERENCES


Peng:2012:SSE


Pees:2000:RCS


Pierre:2016:AVT


Pendyala:2020:IAS


Pan:2014:SPM


Park:2021:PPD


Pomeranz:2015:GDU


Pomeranz:2016:DTF


Pomeranz:2016:DTS


Pomeranz:2016:PIP


Pomeranz:2016:GTS


Pomeranz:2017:CSL


Pomeranz:2017:GTS


Pomeranz:2018:DDP


Pomeranz:2018:PIP

Irith Pomeranz. Partially invariant patterns for LFSR-based generation of close-to-functional
<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Journal</th>
<th>Volume Issue</th>
<th>Pages</th>
<th>Year</th>
<th>URL</th>
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<tbody>
<tr>
<td>[PPDK09]</td>
<td>System-level PVT variation-aware power explo-</td>
<td></td>
<td></td>
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<td>Sudeep Pasricha, Young-Hwan Park, Nikil Dutt, and Fadi J. Kurdahi. System-level PVT variation-aware power explo-</td>
</tr>
</tbody>
</table>

**Pomeranz:2019:BFB**


**Pomeranz:2019:ITU**


**Pomeranz:2020:TFT**


**Pasricha:2009:SLP**

Sudeep Pasricha, Young-Hwan Park, Nikil Dutt, and Fadi J. Kurdahi. System-level PVT variation-aware power explo-

**Papandreou:2015:ERM**


**Prasad:1996:TRP**


**Pomeranz:1998:FTG**


**Pomeranz:2007:FDT**


**Pomeranz:2009:UST**

Pomeranz:2011:RSA


Panda:2008:SBV


Park:2021:HTN


Palchaudhuri:2021:DAT


Pecenka:2008:ESR


Passerone:1998:MRS

Pereira-Santos:2018:RFB


Padmanaban:2006:IGM


Paul:2005:HLM


Potluri:2015:DAT


Polychronou:2022:CSA


Pan:2020:ARP


Potkonjak:1999:MAD

Miodrag Potkonjak and Wayne Wolf. A methodology and algorithms for the design of hard
REFERENCES


REFERENCES

DEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

Qian:2012:FPS

Qin:2015:CSE

Rakhmatov:2009:BVM

Rodrigues:2012:IPP
Rance Rodrigues, Arunachalam Annamalai, Israel Koren, and Sandip Kundu. Improving performance per watt of asymmetric multi-core processors via online program phase classifica-

Raval:2019:III

Roy:2021:FVS

Ray:2012:ISS
Sandip Ray, Jayanta Bhadra, Magdy S. Abadir, Li-C. Wang, and Aarti Gupta. Introduction to special section on verification challenges in the con-


REFERENCES

[196]

DEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

Richthammer:2020:SSD


[RFG20]

Ranganathan:2009:VAM


[RG19]


[RGT+14]

Rosales:2014:MHA

Rafael Rosales, Michael Glass, Jürgen Teich, Bo Wang, Yang Xu, and Ralph Hasholzner. MAESTRO — holistic actor-oriented modeling of nonfunctional properties and firmware behavior for MPSOcs. *ACM Transactions on Design Au...
REFERENCES

...
REFERENCES


**Roy:2005:FSV**


**Roy:2021:MLS**


**Roy:2021:FAA**


**Riepe:1998:EBD**


**Riepe:2003:TPN**


**Rosvall:2018:FTA**

[RS18] Kathrin Rosvall and Ingo Sander. Flexible and tradeoff-aware constraint-based design

**Roop:2001:FST**


**Ruan:2005:BEL**


**Rawat:2003:I**


**Samavatian:2015:ALL**


**Szentimrey:2020:MLC**


**Song:2019:HRB**


REFERENCES


Su:2001:IRA


Sadat:2018:OAL


Song:2023:MLA


Sun:2022:CMO


Schaumont:2006:ICE


Sinha:2009:DIC

Shamshiri:2005:ILT


Sen:2011:COV


Srivastav:2015:DUL


Schwarzer:2019:CDA


Schneider:2014:QNE


Schirner:2010:FAP


Sinha:2014:FAI

REFERENCES


Sosic:1996:UAF


Saluja:2008:SBA


Sinha:2021:DSO


Shi:2017:TAA


Shi:2020:ASF


Song:2019:COR

REFERENCES


Su:1998:EFL


Srivastav:2012:DEE


Sarrafzadeh:2002:GE


Song:2023:VEE


Su:2006:AMS


Steinhorst:2016:CPC

Siddhu:2021:LAD


Shiri:2022:EEE


Singh:2012:ATA


Shalu:2022:DMB


Seo:2018:NIS


Sha:2022:DMB

Shamsi:2019:IPS


Sjovall:2022:HLS


Shi:2012:HND


Sudarsanam:2000:SRA


Sayed:2019:CAP


Skandha:2022:EEE

Skandha Deeprita S., Dhayala Kumar M., and Noor Muhammad SK. Energy efficient error resilient multiplier using

**Suhaib:2005:XIM**


**Shi:2007:CSO**


**Singh:2010:AJE**


**Saxena:2002:ESL**


**Singh:2012:TRT**


**Su:2006:CTD**


**Suresh:2015:AGU**

Singhal:2003:SOA

Sharma:2015:AIE

Sanz:2008:CSS

Singh:2002:ECC

Salcic:2017:NHH

Salamy:2012:ISA
Subramaniam:2015:FPM


Smirnov:2019:AOV


Sun:2011:GDD


Sinha:2014:DGP


Saha:2017:STS


Shin:2010:PGC


Saladi:2012:CAC

Singh:2003:MST


Sanchez:2023:CSE


Song:2017:STV


Singh:2022:PFE


Suresh:2016:AVD


Sundararajan:2004:NAI


Sahoo:2019:FMV

[SSS+19] Debiprasanna Sahoo, Swaraj

Shi:1999:SSL


Shi:1999:SSL

Sun:2015:NUB


Shen:2013:AAP


Shen:2012:FSF

Shiue:2001:DMD


Stitt:2007:BS


Stitt:2011:TWD


S:2016:EAD


Santos:2017:SMH


Song:1999:CDP


Sabade:2004:BTM

REFERENCES


[SYY+22] Xiao Shi, Hao Yan, Qiancun Huang, Chengzhen Xuan, Lei He, and Longxing Shi. A compact high-dimensional yield analysis method using low-rank tensor approximation. *ACM
REFERENCES


[SYZ08] Shih:2014:COR


[SYL09] Sham:2009:CPE


[SZB17] Su:2017:EMC


Tadros:2020:TFT

Tang:2017:PPE

Tong:2013:TCT

Tiruvuri:1998:ELB

Tsai:2014:PAE

Thadikaran:1997:ACB


219


Tu:2019:AOS


Tan:2016:ESE


Thorolfsson:2010:LPH


Thornton:1999:BSC


Tseng:2008:PPD


Trinadh:2017:ODC


Teman:2016:PAP

[TRM+16] Adam Teman, Davide Rossi, Pascal Meinerzhagen, Luca

Thanvantri:1996:OFS


Thakur:1996:SPF


Tannir:2016:AMN


Tomiyama:1997:CPT


Tan:2019:EMI

REFERENCES

ISSN 1084-4309 (print), 1557-7309 (electronic).


Vatanparvar:2017:ASR


Vatanparvar:2017:EVO


VanCampenhout:1998:HLD


Vahid:1999:PCT


Vahid:2002:PSP


Vinco:2019:CLV

VanAchtern:2003:SSD


Venkatasubramanian:2016:PID


Valencia:2019:CPA


Vanbroekhoven:2007:PDS


Venkatasubramanian:2016:PID


VanPraet:2001:PMC


Vanpraet:2001:PMC

REFERENCES


Freek Verbeek and Julien Verbeg:2012:ELS
REFERENCES


Verbeek:2012:TFV


Vijayan:2020:RIH


Tsao:2002:UDC


Wang:1998:MEV


Wang:2016:ERL


Wu:2006:MWR

Zhong-Zhen Wu and Shih-Chieh Chang. Multiple wire reconnections based on implication flow graph. *ACM Transactions on Design Automation of
REFERENCES


Shuai Wang, Guangshan Duan, Yupeng Li, and Qianhao Dong.


[Wolinski:2009] Christophe Wolinski, Krzysztof Kuchcinski, and Erwan Raffin. Automatic design of application-specific reconfigurable processor extensions with...
REFERENCES

Wu:2009:PCV


Wang:2011:OAE


Wu:2016:PA


Wu:2012:TAS


Wu:2009:PCV


Wang:2012:TAS


Wang:2020:HER


Wang:2011:OAE


Wu:2016:PA

Witharana:2021:DTG


Wu:2008:CPR


Wan:2019:DRP


Wang:2016:HDT


Wolf:1996:OOC


Wang:2008:LAS


Winograd:2018:PGU


Wei:2014:TSE


Wang:2013:CTM


Wang:2002:BSF

REFERENCES


Cong Xu, Dimin Niu, Yang Zheng, Shimeng Yu, and Yuan Xie. Impact of cell failure on reliable cross-point resistive...

**Xydis:2012:CLE**


**Xie:2021:DFM**


**Xiang:2016:NUB**


**Xu:2016:HSL**

REFERENCES

Xiang:2005:AIP


Xu:2016:PPA


Xu:2009:STA


Yan:2000:TLB


Yan:2008:TDO


Yan:2011:ICA


Yan:2016:PDA

Jin-Tai Yan. Performance-driven assignment of buffered


REFERENCES

Yao:2003:FRC


Yang:2000:ERC


[REFERENCES] 242

Yang:2023:ATF


[REFERENCES] 242

Yang:2016:PSS


[REFERENCES] 242

Yang:2017:CCS

REFERENCES


Yang:2018:RRE


[102x681]REFERENCES

[162x646]Y

[226x646]ang:2018:RRE

[162x622]Y

[227x622]uan:2010:HSP


Yuan:2010:HSP

[162x571]Y

[227x571]uan:2010:HSP


Yu:2009:APG


YGZ04

[162x547]Y

[227x547]ang:2004:FVE

Guihai Yan, Yinhe Han, Hui Liu, Xiaoyao Liang, and Xiaowei Li. MicroFix: Using timing interpolation and delay sensors for power reduction. *ACM
REFERENCES


Yoon:2014:WLL


You:2006:CLP


Yoon:2013:ACC


You:2017:ELD


Yonga:2015:ABE


Yan:2013:RA

Yu:2010:EPE


Yan:2017:EEE


Yu:2011:MQS


Yang:2018:HEP


Yang:1997:HFM


Yan:2014:EFG


Yan:2009:TAS

Tan Yan and Martin D. F. Wong. Theories and algorithms on single-detour routing for un-


[Yi:2015:ESF] Qiuping Yi, Zijiang Yang, Jian Liu, Chen Zhao, and Chao


Zhao:2023:MSF


Zhou:2022:QCT


Zeng:2011:LDP


Zhao:2018:TSB


Zhang:2021:DPR


Zhou:2023:FAO

REFERENCES

Zamora:2007:SLP


Zhou:2008:NER


Zamora:2008:EMU


Zhao:2016:SRE


Zheng:2019:HEB

Jianwei Zheng, Chao Lu, Jiefei Guo, Deming Chen, and
REFERENCES


Zeng:2013:IPD


Zhang:2015:LRR

Zhang:2015:LDP

Zhu:2007:HMF


Zuluaga:2016:SSN


Zimmermann:2019:ADL


Zhao:2013:PSA


Zhou:2008:HTC


Zhao:2002:TMA


Zhang:2016:PPG


REFERENCES


Zhao:2013:CSL


Zhang:2017:RTV


Zhu:2017:CCA


Zhou:2012:ONC


Zhai:2018:ENG


Zhu:2017:CCA


Zhou:2012:ONC


Zhai:2018:ENG