

# A Bibliography of Publications about the RISC-V Open Source Computer Architecture

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254  
FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <https://www.math.utah.edu/~beebe/>

30 November 2024  
Version 2.26

## Title word cross-reference

**#1** [Ano22].

$19\mu W$  [GAE<sup>+</sup>23]. <sup>2</sup>  
[MRGR<sup>+</sup>21b, PNSD20].  $K$  [LPB<sup>+</sup>21].  
 $V_{\min}$  [ZCNA17].

**-Boost** [CPG<sup>+</sup>23, CRP<sup>+</sup>23]. **-means**  
[LPB<sup>+</sup>21].

**0.37mm<sup>2</sup>** [WRD<sup>+</sup>17]. **0.80pJ** [MSZB19].  
**0.80pJ/flop** [MSZB19]. **000-core**  
[DAKK19].

**1** [CSZ<sup>+</sup>20, DEA<sup>+</sup>21, DtEt22]. **1-GHz**  
[CSZ<sup>+</sup>20]. **1.0** [PCW<sup>+</sup>22, PCA<sup>+</sup>24].

**1.24Tflop** [MSZB19]. **1.24Tflop/sW**  
[MSZB19]. **1.3GHz** [LWA<sup>+</sup>14]. **1.44**  
[SWW<sup>+</sup>22]. **1.44-GHz** [SWW<sup>+</sup>22].  
**1.44GHz** [SWW<sup>+</sup>21]. **1.46TOPS**  
[GCL<sup>+</sup>23]. **1.7** [ZB19]. **1.7-GHz** [ZB19].  
**1.89** [WBH<sup>+</sup>18, WBH<sup>+</sup>19]. **1.89-GHz**  
[WBH<sup>+</sup>18, WBH<sup>+</sup>19]. **10-bit** [DRC<sup>+</sup>16].  
**12-nm** [LCG<sup>+</sup>23]. **12-Stage** [CXL<sup>+</sup>20a].  
**12.4TOPS** [CRP<sup>+</sup>23]. **12.4TOPS/W**  
[CRP<sup>+</sup>23]. **123** [IVZV20]. **12nm** [GCL<sup>+</sup>23].  
**136GOPS** [CRP<sup>+</sup>23]. **140-nW** [TBK<sup>+</sup>19].  
**16** [SCM<sup>+</sup>21]. **16-bit** [RSA<sup>+</sup>23]. **16-mm<sup>2</sup>**  
[LCG<sup>+</sup>23]. **16-nm** [BRH<sup>+</sup>19, RZAH<sup>+</sup>19b,  
SWW<sup>+</sup>22, WBH<sup>+</sup>18, WBH<sup>+</sup>19]. **16.7**  
[LWA<sup>+</sup>14]. **160mV** [TLB<sup>+</sup>22]. **16mm<sup>2</sup>**  
[GZK<sup>+</sup>21]. **16nm** [BHR<sup>+</sup>18, RZAH<sup>+</sup>19a,  
SED<sup>+</sup>23, SWW<sup>+</sup>21, WRD<sup>+</sup>17]. **175**  
[WBH<sup>+</sup>18, WBH<sup>+</sup>19]. **175-kHz**



[WBH<sup>+</sup>18, WBH<sup>+</sup>19].

**2** [CRP<sup>+</sup>23]. **2-Petaflop** [SB23]. **2-to-8b** [CRP<sup>+</sup>23]. **2.0** [HMJ22]. **2.5-D** [PKC<sup>+</sup>20]. **2.6GFLOPS** [GPV<sup>+</sup>22]. **2017** [BBdD17, SSB22, TZS<sup>+</sup>21]. **2019** [GD19, TBL19]. **2021** [IEE21]. **2022** [IEE22]. **2023** [IEE23]. **22-nm** [CSZ<sup>+</sup>20, ZB19]. **22.1** [CRP<sup>+</sup>23]. **22nm** [DCC<sup>+</sup>23, GAE<sup>+</sup>23, GZK<sup>+</sup>21, MSZB19, SPDLP<sup>+</sup>22]. **24th** [BBdD17]. **256** [WYK21]. **256-Bit** [QLC20]. **26th** [TBL19]. **28** [UD20]. **28-nm** [CCA<sup>+</sup>18a, SAW<sup>+</sup>20, WSK<sup>+</sup>20, WCL23, ZCNA17]. **28nm** [LZW<sup>+</sup>15, ZLP<sup>+</sup>15, ZCNA16, CCA<sup>+</sup>18b]. **28th** [IEE21]. **29th** [IEE22]. **2n3m5k** [WRD<sup>+</sup>17].

**3** [CPLS23, LMP23, TLB<sup>+</sup>22, VMO<sup>+</sup>23]. **3-D** [VMO<sup>+</sup>23]. **3-nW** [TLB<sup>+</sup>22]. **30** [SB23]. **30-Teraflops** [SB23]. **30-Teraflops/W** [SB23]. **30th** [IEE23]. **32** [KFGH<sup>+</sup>23]. **32-Bit** [KS22, LCG<sup>+</sup>23, MLPH23, NHML<sup>+</sup>22, PMKZ22, DRC<sup>+</sup>16, DGA<sup>+</sup>17, GSV20, GSDB18, KM21, LCCS21, MCL22, MMGC20, NKH<sup>+</sup>21, RSR20, SFGB20, YTÖ21]. **32/64** [MG22]. **32/64-bit** [MG22]. **32I** [MRSBGR<sup>+</sup>20]. **32IC** [KK21]. **3D** [TEYK21, TYEK21, ZBA<sup>+</sup>20]. **3D-Graphics** [TEYK21, TYEK21].

**4096-Core** [ZSB21, ZSB20]. **410.0** [KFGH<sup>+</sup>23]. **410.0-B-32** [KFGH<sup>+</sup>23]. **45nm** [LWA<sup>+</sup>14]. **496-Core** [RZAH<sup>+</sup>19a]. **4MHz** [GAE<sup>+</sup>23].

**5** [FFW20, FWZL19]. **511-Core** [DXT<sup>+</sup>18]. **55** [GCL<sup>+</sup>23]. **5G** [AHB20, BZVCB23, KKH<sup>+</sup>20, Raj21]. **5G-PUSCH** [BZVCB23].

**6** [TBK<sup>+</sup>19]. **64** [LWC18]. **64-Bit** [LCG<sup>+</sup>23, MDPM24, MZZG22, PCO<sup>+</sup>23,

ZB19, CXL<sup>+</sup>20a, GCL<sup>+</sup>23, HMTL21, KCGL23, MG22, SGP<sup>+</sup>23, WSG<sup>+</sup>21]. **65-nm** [PCO<sup>+</sup>23]. **65nm** [CCC<sup>+</sup>22]. **67mm2** [GCL<sup>+</sup>23]. **695** [RZAH<sup>+</sup>19a].

**7** [SFGB20]. **7nm** [HMTL21].

**8** [FRC<sup>+</sup>18]. **8-core** [CKTK22]. **8-to-64** [MSZB19]. **8.2-kHz** [TBK<sup>+</sup>19]. **8.7mW** [GPV<sup>+</sup>22]. **89** [DNN23]. **8b** [CRP<sup>+</sup>23].

**910** [CXL<sup>+</sup>20a, CXL<sup>+</sup>20b].

**ABI** [AVS<sup>+</sup>22]. **Abstraction** [HZS<sup>+</sup>19].

**Academic** [ABC<sup>+</sup>20, DCC<sup>+</sup>23].

**Accelerate** [PMBA19]. **Accelerated** [EAMK21, EKAK22, KFS22, YWZL22].

**Accelerating**

[AS18, DEA<sup>+</sup>21, DtEt22, DAKK19, ERGK21, GTC<sup>+</sup>20, TSS<sup>+</sup>22, ZPL<sup>+</sup>23, KKC<sup>+</sup>16].

**Acceleration**

[ABW<sup>+</sup>21, AYA<sup>+</sup>23, CPG<sup>+</sup>23, CRP<sup>+</sup>23, DLMP21, FSS20, KSFS24, PLSK20, SB23, Su21, VMFL23, WZW<sup>+</sup>21, Yan20, KMS22, SCM<sup>+</sup>21, WWW23]. **Accelerator** [AEAS21, ABW<sup>+</sup>20, AWB<sup>+</sup>23, BCCM21, BDdD19b, CCC<sup>+</sup>19, DNN23, DXT<sup>+</sup>18, DYZ<sup>+</sup>22, FHY19, GZK<sup>+</sup>21, Gra16, GTCS21, JZWL23, JRD<sup>+</sup>23, KG22b, KYDÖ21, KBBA17, KZH22, LCF23, LNA21, NKH<sup>+</sup>21, OBSB23, PS22a, PLH<sup>+</sup>22, PACB21, PGW<sup>+</sup>20, QLH21, RSRT19, SNH22, TT22, TBR<sup>+</sup>22, WLI23, WXY<sup>+</sup>22, YYM21, ZZG21, ZHL<sup>+</sup>23, DKC<sup>+</sup>21, RPA22, TZ22, WRD<sup>+</sup>17, ZPRD21, ZZW<sup>+</sup>19].

**Accelerators**

[ABM<sup>+</sup>23, GCL<sup>+</sup>23, HDT<sup>+</sup>20, KHG20, NHML<sup>+</sup>22, RHD<sup>+</sup>23, LWA<sup>+</sup>14, SFAAL22].

**Access** [MDR19, YWZL22]. **accessible**

[APHD22]. **Accuracy**

[CLR<sup>+</sup>21b, CLR<sup>+</sup>21a, RRC<sup>+</sup>20, LGB17].

**Accurate**

[BHT<sup>+</sup>21, HGTD20, HGD20b, uhMSI19].

**Achieving** [SZHB21]. **acoustic**



[SGCGCR17]. **Active** [PKC<sup>+</sup>20]. **Adaptive** [CPG<sup>+</sup>23, CRP<sup>+</sup>23, HGTD20, HGTD21, KG22a, TBR<sup>+</sup>22, TLB<sup>+</sup>22, LZW<sup>+</sup>15]. **ADC** [DRC<sup>+</sup>16]. **Address** [GAMG<sup>+</sup>23, HYML23, WLW<sup>+</sup>21]. **Adjacent** [LLL<sup>+</sup>21]. **AES** [TA22, WYK21, ZPRD21]. **AES-256** [WYK21]. **affordable** [MRGRCR<sup>+</sup>21a]. **AFTAB** [RRJ<sup>+</sup>21]. **Against** [GTD<sup>+</sup>23, KNK<sup>+</sup>21, DGH19, WSUM19]. **age** [HP18]. **Agile** [HSL<sup>+</sup>23, HCZ21, LWC<sup>+</sup>16, PGW<sup>+</sup>20, XYT<sup>+</sup>22, XYT<sup>+</sup>23]. **AGILER** [KG22a]. **AI** [CV22, CPG<sup>+</sup>23, CRP<sup>+</sup>23, FRC<sup>+</sup>18, GMS<sup>+</sup>23, LCF23, TSABTM20, Yan20, ZJX20]. **AI-extended** [GMS<sup>+</sup>23]. **AI-IoT** [CPG<sup>+</sup>23, CRP<sup>+</sup>23]. **Aimed** [MRAM<sup>+</sup>23]. **Algebra** [FTRH20]. **Algorithm** [KZH22, LWD20, LPL22, QLH21, RFS20, MRGRCR<sup>+</sup>21b]. **Algorithms** [ABM<sup>+</sup>23, dAGM23, MGZ<sup>+</sup>23, MCB22, NDZ<sup>+</sup>21, KMS22]. **All-Digital** [RZAH<sup>+</sup>19a]. **Alliance** [Ano23b]. **ALU** [RTRM19, RSA<sup>+</sup>23]. **Always** [EMMB19]. **Always-On** [EMMB19]. **AMS** [APHD21b]. **Analog** [WBH<sup>+</sup>18]. **Analog/Digital** [WBH<sup>+</sup>18]. **Analysis** [AKMS20, AKMS21, BHR<sup>+</sup>18, BRH<sup>+</sup>19, BB21, CTSG22, DHL<sup>+</sup>21, DRN<sup>+</sup>23, HSR<sup>+</sup>23, HCW23, IK21a, IZG22, KNK<sup>+</sup>21, LNZ<sup>+</sup>22, LVPSB<sup>+</sup>23, NGS20, POMD22, PNV22, SEM19, SSS<sup>+</sup>22, SML<sup>+</sup>22, SAW<sup>+</sup>20, SNOT20, TZS<sup>+</sup>21, VMO<sup>+</sup>22, WBH<sup>+</sup>18, WBH<sup>+</sup>19, WY23, ZB19, BMM<sup>+</sup>20, KSAL21, LGB17, RPSD16, SAB24]. **Analyzing** [WSMRM20, YLC21]. **Android** [WWN23]. **ANDROMEDA** [MSR<sup>+</sup>21]. **ANN** [ZGMD22]. **ANN-based** [ZGMD22]. **AnnikaCore** [ZGL<sup>+</sup>21]. **Anomaly** [BPS<sup>+</sup>23, PCL<sup>+</sup>23, CPL<sup>+</sup>24]. **API** [SNOT20]. **Application** [DKT<sup>+</sup>23, GGÁARG<sup>+</sup>21, HMJ22, LCYK20, LHC<sup>+</sup>21, LCG<sup>+</sup>23, PLH<sup>+</sup>22, WT19, ZB19, ZKS<sup>+</sup>23, DL17, DAK<sup>+</sup>21, HH23, TSABTM20]. **Application-Class** [ZB19, DAK<sup>+</sup>21].

### Application-Specific

[GGÁARG<sup>+</sup>21, HMJ22, WT19, DL17].

### Applications

[ASE<sup>+</sup>21, And20, BP21, CRRS22, DNKDN<sup>+</sup>24, DWG<sup>+</sup>20, FSMU21, FDMM22, GRCRCG<sup>+</sup>20, GAO21, HM21, KM21, MLD<sup>+</sup>23, MPU<sup>+</sup>23, gMCP19, NBT22, OPY<sup>+</sup>18, PDLC18, RKH<sup>+</sup>23, RAPK23, RHD<sup>+</sup>23, SJR<sup>+</sup>23, SUM23, SSD<sup>+</sup>21, SR22, SKK<sup>+</sup>22, VSD22, WCGL23, ZGG23, ZXXH22, SCR<sup>+</sup>17, WTY<sup>+</sup>23, RLL<sup>+</sup>21].

**applied** [MRGRCR<sup>+</sup>21a]. **Approach**

[LWC<sup>+</sup>16, MRB<sup>+</sup>23, MRB<sup>+</sup>24, NBT22, Suv21a, ZCH<sup>+</sup>23, PRP<sup>+</sup>23]. **Approaches**

[HSEKD21]. **Approximate**

[LGB17, SMOM19, VSD22].

**Approximations** [FFW20]. **Ara**

[PCW<sup>+</sup>22, CSZ<sup>+</sup>20]. **Ara2** [PCA<sup>+</sup>24].

**Arbitrary** [AWB<sup>+</sup>23, JZWL23, ZZQ21].

**Architectural** [KKK<sup>+</sup>17a, KKK<sup>+</sup>17b,

KKK<sup>+</sup>17c, MTAL22, MS17]. **Architecture**

[ASH19, BP21, CPLS23, COMP19, CLW23, DBP21, DPP22, FHL<sup>+</sup>22, HBSE22,

HYWP<sup>+</sup>19, HLP<sup>+</sup>24, HH21, HCP<sup>+</sup>21, HH22,

HMJ24, JSB20, KHG20, KG22a, KG22b,

KA20, KNK<sup>+</sup>21, KKH<sup>+</sup>20, LCCS21, LF22,

LWC18, LHC19, LCW<sup>+</sup>24, Liu21, LNB<sup>+</sup>23,

MKM20, MR22, MTT21, MAS18, MSJ19,

MSD<sup>+</sup>22, MKVD23, MDR19, NRA<sup>+</sup>22,

NGS20, PDLC18, PS22a, PKN<sup>+</sup>20, PKC<sup>+</sup>20,

PW17a, PMKZ22, QYZ21, RKH<sup>+</sup>23,

RSA<sup>+</sup>23, RMP<sup>+</sup>19, SVM<sup>+</sup>23, Sew21, SR22,

SLB<sup>+</sup>22, TA22, WLY<sup>+</sup>22, WAH21, XHY<sup>+</sup>20,

ZSB20, ZSB21, ZHC<sup>+</sup>18, ZWL<sup>+</sup>20, ZGL<sup>+</sup>21,

ZZZ21, ZZZ<sup>+</sup>23, ZNF21, CPL<sup>+</sup>24, DPV<sup>+</sup>17,

HP18, KSAL21, KHH22, Lu21a, Pat18,

PRP<sup>+</sup>23, RPSD16, Sah23, SCM<sup>+</sup>21,

TCL<sup>+</sup>21, WTY<sup>+</sup>23]. **Architectures**

[AKMS20, DXT<sup>+</sup>18, ERGK21, FTRH20,

IVZV20, KKK<sup>+</sup>17a, KKK<sup>+</sup>17b, KKK<sup>+</sup>17c,

NNPG23, PACB21, SMB17, BF23, CLC<sup>+</sup>20,

GMFC23, LF22, VMFL23]. **Area**

[MPU<sup>+</sup>23, MDR19, PSS23, SSD<sup>+</sup>21].

**Area-Efficient** [MPU<sup>+</sup>23]. **ARITH**



[BBdD17, IEE21, IEE22, IEE23, TBL19]. **ARITH-26** [TBL19]. **Arithmetic** [BBdD17, CLR<sup>+</sup>21b, CLR<sup>+</sup>21a, GD19, IEE21, IEE22, IEE23, MDPM24, SJM<sup>+</sup>20, TBL19, SJP<sup>+</sup>23]. **ARM** [AMRCP21, CRRS21, EHK20, ELG20, FTRH20, IVZV20, KS22, KKE<sup>+</sup>22, LF22, NGS20, RFS20, SAB24, HLP<sup>+</sup>24, RMP<sup>+</sup>19, SNOT21]. **Arm-A** [HLP<sup>+</sup>24]. **ARM-RISC-V-Heterogeneous** [EHK20]. **ARM64** [TOYK22]. **Armed** [DKT<sup>+</sup>23]. **ArmV8** [Sew21]. **ArmV8-A** [Sew21]. **Arnold** [SRD<sup>+</sup>21]. **Arrow** [AEAS21]. **ARV** [SC17]. **ASIC** [HSEKD21, HM21, KM21, NHML<sup>+</sup>22]. **ASIC-FPGA** [HM21]. **ASIP** [Ant22]. **Aspects** [AAA<sup>+</sup>21]. **Assembler** [GSDB18]. **Assembly** [Bor23, Dos19, Smi24, TOYK22]. **Assessment** [GDR<sup>+</sup>22]. **Assisted** [DBGJ20, ZHX<sup>+</sup>22, GAMG<sup>+</sup>23, SMGS22]. **Associativity** [SSS<sup>+</sup>22]. **AsteRISC** [SLBJ23]. **Asynchronous** [LHT<sup>+</sup>21, NSM<sup>+</sup>23, SC17]. **At-Memory** [SB23]. **ATGP\_RISC** [MKM20]. **ATGP\_RISC-V** [MKM20]. **Atlas** [PW17a]. **Atomic** [WWL<sup>+</sup>20]. **atrial** [HUL<sup>+</sup>22]. **Attached** [CMV21]. **Attack** [DHL<sup>+</sup>21, DBP21, KR24, KNK<sup>+</sup>21, LHD<sup>+</sup>21, LHD<sup>+</sup>22]. **Attacks** [AVS<sup>+</sup>22, DGH19, GAMG<sup>+</sup>23, GWZS23, GTD<sup>+</sup>23, KGBH22, TDH<sup>+</sup>23, WSUM19]. **Attestation** [SMJ21]. **Augmented** [SRD<sup>+</sup>21]. **Aurora** [GMFC23, VMFL23]. **Authenticated** [DNKDN<sup>+</sup>24]. **Authentication** [FdRES23, GLS21]. **Auto** [YCL<sup>+</sup>23]. **Auto-tuning** [YCL<sup>+</sup>23]. **Automated** [NSM<sup>+</sup>23, WXY<sup>+</sup>22]. **Automatic** [ABM<sup>+</sup>23, FDS<sup>+</sup>23, QYZ21, YWZL22]. **Automation** [MKM20]. **Automotive** [CSO<sup>+</sup>23]. **Autonomous** [DKT<sup>+</sup>23, RCS<sup>+</sup>19]. **Autovectorization** [AS22]. **AVR** [KKE<sup>+</sup>22]. **Aware** [KR24, LHK23, MKB<sup>+</sup>23, SMB17, SMOM19, LSB22]. **AXI** [EHN23]. **AXI-interconnect** [EHN23]. **AXI4** [DRC<sup>+</sup>16]. **AXI4-lite** [DRC<sup>+</sup>16]. **Axiomatic** [HLP<sup>+</sup>24]. **AxSL** [HLP<sup>+</sup>24].

**B** [KFGH<sup>+</sup>23, CPG<sup>+</sup>23, MZZG22]. **B-Extension** [MZZG22]. **backend** [TMK<sup>+</sup>16]. **Backup** [PPYB23]. **bad** [FvHC<sup>+</sup>23]. **Bandits** [DKT<sup>+</sup>23]. **Bandwidth** [WBH<sup>+</sup>18, WBH<sup>+</sup>19, ZZB<sup>+</sup>20]. **Banshee** [RSS<sup>+</sup>21]. **Bao** [MP20a, MP20b]. **Bare** [TLC<sup>+</sup>24]. **Bare-Metal** [TLC<sup>+</sup>24]. **Baremetal** [MTAL22]. **Barrel** [ABW<sup>+</sup>20, ABW<sup>+</sup>21]. **BARVINN** [AWB<sup>+</sup>23]. **Base** [PMKZ22]. **Baseband** [IFO<sup>+</sup>18, MB16]. **Based** [ABC<sup>+</sup>20, AKMS20, Ant22, AMG<sup>+</sup>20, BFC<sup>+</sup>23, BP21, BWP22, CXLL22, CDF<sup>+</sup>20, CYJ<sup>+</sup>22, CPLS23, DYZ<sup>+</sup>22, DMR<sup>+</sup>20, EMMB19, EEI<sup>+</sup>18, EGBS22, FSPB21, FDS<sup>+</sup>23, GZC22, GRC<sup>+</sup>19, GTC<sup>+</sup>21b, GXLW22, GAO21, GSDB18, HBSE22, HWJ23, HJ23, HCW23, HGLD18, H CZ21, HWG22, JHLD21, JHQ23, KAR<sup>+</sup>19, KHG20, KG22a, KEAS<sup>+</sup>18, KRR22, KZH22, LRF<sup>+</sup>21, LCYK20, LWC18, LHC19, LWD20, LCF23, LXC23, LPL22, LZH20, LLL<sup>+</sup>21, Lu22, LNB<sup>+</sup>23, MCL<sup>+</sup>21, MCL22, MLP23, MTCL21, MLD<sup>+</sup>23, MST<sup>+</sup>23, MSR<sup>+</sup>21, MKB<sup>+</sup>23, gMCP19, MDR19, NWP<sup>+</sup>23, OBB<sup>+</sup>24, PKC<sup>+</sup>20, PACB21, PCO<sup>+</sup>23, POMD22, PNV22, QLH21, QYZ21, QLC20, RSR21, RSR20, RTRM19, RKRF21, RSS<sup>+</sup>21, RSRT19, RMR21, RHD<sup>+</sup>23, SJER23, SJM<sup>+</sup>20, SWWL23, SUAR23, SSB<sup>+</sup>19, SLB<sup>+</sup>22, Suv21a, Suv21b, TTB22, TBS<sup>+</sup>21, TBR<sup>+</sup>22, UD20, WT19, WZW<sup>+</sup>21, WWGW23, WCGL23, WMR<sup>+</sup>22, WWB23, WXY<sup>+</sup>22, WHB<sup>+</sup>22, WLC22, WGZ<sup>+</sup>23, XHY<sup>+</sup>20, YXH20]. **Based** [YYP<sup>+</sup>22, ZHC<sup>+</sup>18, ZWL<sup>+</sup>20, ZZZ21, ZCH<sup>+</sup>23, ZUSK23, ZZQ21, ZWL<sup>+</sup>23, ZSM20, ZSM21, ZS23, ZCNA17, ZNF21, ZZL<sup>+</sup>22, ZC23, dOTB<sup>+</sup>20, APSH<sup>+</sup>22, AvAG21,



AFP<sup>+</sup>17, AS24, ASH19, BCCM21, BHT<sup>+</sup>21, CWD<sup>+</sup>21, Cil21, DBP21, DZZZ23, DRC<sup>+</sup>16, DGA<sup>+</sup>17, EAI19, FSMG<sup>+</sup>19, GRCRCG<sup>+</sup>20, GTC<sup>+</sup>21a, GGH<sup>+</sup>22, GBP21, GGÁARG<sup>+</sup>21, GLS21, HYXW22, HSL<sup>+</sup>23, HGD<sup>+</sup>19, HGP20, HTGD21, HUL<sup>+</sup>22, IZG22, KG22b, KM21, KSSMRB23, MRSBGR<sup>+</sup>20, MRGR<sup>+</sup>21a, MRGR<sup>+</sup>21b, MSFK21, NRA<sup>+</sup>22, NKH<sup>+</sup>21, NBT22, RCMQO24, RKH<sup>+</sup>23, RLL<sup>+</sup>21, RMP<sup>+</sup>19, RPA22, RFS20, SGCGCR17, SFAAL22, SSD<sup>+</sup>21, SJP<sup>+</sup>23, SJYZ22, SCL<sup>+</sup>21, SKK<sup>+</sup>22, TZ22, TDPD<sup>+</sup>21, WRD<sup>+</sup>17, WWW23, WW19, WW21, YBR<sup>+</sup>23, YNYD23, YWZL22, ZPRD22, ZZW<sup>+</sup>19, ZZB<sup>+</sup>20, ZGMD22, ZHL<sup>+</sup>23, CKTG21, IFO<sup>+</sup>18, KFGH<sup>+</sup>23, AHB20]. **Basic** [BF23]. **Basis** [HLP<sup>+</sup>24]. **be** [AP14]. **Behaviour** [BPS<sup>+</sup>23]. **Benchmark** [MRAM<sup>+</sup>23]. **Benchmarking** [CGG21]. **Berkeley** [Ano23a]. **Best** [DMR<sup>+</sup>20, KRR22]. **Between** [HGTD20, EHN23, IK21a]. **Biasing** [CPG<sup>+</sup>23, CRP<sup>+</sup>23]. **Big** [MDPM24]. **Big-PERCIVAL** [MDPM24]. **Binaries** [HGLD19]. **Binary** [KCGL23, KGHM23, RSS<sup>+</sup>21]. **Bit** [BSSW21, JSB20, KS22, KAMS19, LCG<sup>+</sup>23, MLPH23, MDPM24, MZZG22, NHML<sup>+</sup>22, PCO<sup>+</sup>23, PMKZ22, QLC20, RSR21, ZB19, AS24, CXL<sup>+</sup>20a, DRC<sup>+</sup>16, DGA<sup>+</sup>17, GCL<sup>+</sup>23, GMV20, GSDB18, HMTL21, KM21, KCGL23, LCCS21, MCL22, MSZB19, MMGC20, MG22, NKH<sup>+</sup>21, RSR20, RSA<sup>+</sup>23, SGP<sup>+</sup>23, SFGB20, WSG<sup>+</sup>21, YTÖ21]. **bit-interaction** [AS24]. **Bit-Precision** [RSR21]. **Bits** [MTT21]. **BlackParrot** [PGW<sup>+</sup>20]. **Blake3** [ZPL<sup>+</sup>23]. **Block** [DPP22, KS22, LCN<sup>+</sup>23, MCL22, SEM19]. **Blocking** [DDM<sup>+</sup>20, JHQ23]. **Blocks** [ZWB19]. **Board** [CDF<sup>+</sup>20, RKH<sup>+</sup>23, ZSM21, TZPL21]. **Body** [CPG<sup>+</sup>23, CRP<sup>+</sup>23]. **BOOM** [Ano23a, BSZ<sup>+</sup>21, BSZ<sup>+</sup>24, ZBZ<sup>+</sup>23]. **BOOM-Explorer** [BSZ<sup>+</sup>21, BSZ<sup>+</sup>24]. **Boomerang** [LHK23]. **Boost** [CPG<sup>+</sup>23, CRP<sup>+</sup>23]. **Boot** [DBP21, GJC23, HYWP<sup>+</sup>19, NRLH22, Zha22]. **Bootable** [SGP<sup>+</sup>23]. **Border** [CDW<sup>+</sup>24]. **Both** [DMR<sup>+</sup>20]. **Bottleneck** [KFK<sup>+</sup>19]. **Branch** [CSM22, SLCK21]. **Bratter** [PKKK22]. **Brew** [Szk21]. **Buffer** [DBGJ20]. **Bug** [RMR21]. **Build** [Szk21]. **Building** [ILG19, LWC<sup>+</sup>16, WLY<sup>+</sup>22, ZWB19]. **bulk** [GAE<sup>+</sup>23]. **bus** [DRC<sup>+</sup>16]. **bus-based** [DRC<sup>+</sup>16]. **Byte** [ADF<sup>+</sup>23, DFA<sup>+</sup>23]. **C** [MRGR<sup>+</sup>21b, DUM<sup>+</sup>19]. **Cache** [CKTK22, CKTK23, CCA<sup>+</sup>18a, DDM<sup>+</sup>20, GCL<sup>+</sup>23, HWJ23, HJ23, LHD<sup>+</sup>21, LCG<sup>+</sup>23, MKB<sup>+</sup>23, SSS<sup>+</sup>22, ZCNA17, GYW<sup>+</sup>23, ZCNA16]. **Cache-Aware** [MKB<sup>+</sup>23]. **Cache-Coherent** [GCL<sup>+</sup>23, LCG<sup>+</sup>23]. **CADENCE** [RSA<sup>+</sup>23]. **CakeML** [TMK<sup>+</sup>16]. **Calib** [ZBZ<sup>+</sup>23]. **Calibration** [KKH<sup>+</sup>20]. **Can** [Szk21, PS22b]. **CAN-FD** [PS22b]. **CAP** [CKTG21]. **Capability** [GM21, MMD<sup>+</sup>22b, MMD<sup>+</sup>22c]. **Capable** [OBSB23, CIPR21, VTS<sup>+</sup>23]. **Capacitor** [ZLP<sup>+</sup>16, LZW<sup>+</sup>15, MSFK21, ZLP<sup>+</sup>15]. **Capturing** [TDPD<sup>+</sup>21]. **carbon** [AFP<sup>+</sup>17]. **CARE** [DBP21]. **Cars** [Ben23]. **Case** [APSH<sup>+</sup>22, BHD23, DCM23, GYW<sup>+</sup>23, HGLD19, HGJD20, PGTD23, RHGD21, SSR<sup>+</sup>18, WMGD23, YLC21, AP14]. **Case-Study** [APSH<sup>+</sup>22, BHD23, HGJD20]. **Casting** [KK23]. **Catalog** [HLHK19]. **CCSDS** [IVZV20, KFGH<sup>+</sup>23]. **Celerity** [DXT<sup>+</sup>18, RZAH<sup>+</sup>19b]. **Center** [Ano23g]. **Center-Class** [Ano23g]. **Certificates** [GLS21]. **CFG** [LWLA23]. **CFI** [LWLA23, RSM<sup>+</sup>23, ZPRD22]. **CGRA** [FGD<sup>+</sup>19, LNA21]. **ChaCha** [MPP21]. **Challenges** [LVPSB<sup>+</sup>23]. **Challenging** [NSM<sup>+</sup>23]. **Changeable** [KIS20]. **Channel** [DGH19, LHD<sup>+</sup>21, MTAL22, AS24, Bis21, GYW<sup>+</sup>23]. **Channels** [JHQ23, WSG<sup>+</sup>21]. **Characteristics** [Lu21b, WY23, ZZZ<sup>+</sup>23]. **Characterization**



[CPWG23, SLK<sup>+</sup>21, SMMD23]. **Check** [TA22]. **CHERI** [BPS<sup>+</sup>23, Sew21]. **CHERI-RISC** [BPS<sup>+</sup>23]. **Cheshire** [OBSB23]. **China** [Ano23b]. **Chip** [DCM23, DEA<sup>+</sup>21, DtEt22, FSMU21, GPV<sup>+</sup>22, GTP<sup>+</sup>22, Gen24, OBB<sup>+</sup>24, RLL<sup>+</sup>21, RZAH<sup>+</sup>19a, TDPD<sup>+</sup>21, WSK<sup>+</sup>20, YLT22, DGA<sup>+</sup>17, Ano23e, CKTG21, CYJ<sup>+</sup>22, CRP<sup>+</sup>23, DNN23, HYWP<sup>+</sup>19, HZS<sup>+</sup>19, KSSMRB23, KCHYM19, LNB<sup>+</sup>23, MSDM23, NKH<sup>+</sup>21, RSR20, SLK<sup>+</sup>21, SML<sup>+</sup>22, SMMD23, SBJ21, ZNF21]. **Chiplet** [KIS20, ZSB20, ZSB21, ZGG23]. **Chips** [DXT<sup>+</sup>18, SG23, ZJX20]. **Chisel** [IK21a, XLZ23, ZCH<sup>+</sup>23]. **Chisel-Based** [ZCH<sup>+</sup>23]. **Choice** [HSR<sup>+</sup>23]. **CIFER** [LCG<sup>+</sup>23, ZPRD23]. **Cimone** [BFP<sup>+</sup>22]. **Cipher** [KS22, MCL22, TGMD21]. **Circuit** [WZW<sup>+</sup>19, KKC<sup>+</sup>16]. **Circuitry** [BBV<sup>+</sup>23]. **circular** [HC20]. **circular-shift** [HC20]. **CLARINET** [SJM<sup>+</sup>20, SJP<sup>+</sup>23]. **Class** [Ano23g, ZB19, DAK<sup>+</sup>21]. **Classes** [FAPHD23, JHQ23]. **Classic** [PGZMG21]. **Classical** [KGHRM23]. **Classification** [PLSK20]. **classifier** [SGCGCR17]. **CLIC** [MTCL21]. **Clocked** [PNV22]. **clocking** [LZW<sup>+</sup>15]. **Closed** [RHD<sup>+</sup>23]. **Closed-loop** [RHD<sup>+</sup>23]. **Closing** [HGD20a]. **Cloud** [CXL<sup>+</sup>20b, Su20, AAC<sup>+</sup>23, LF22]. **Cluster** [GPV<sup>+</sup>22, GTP<sup>+</sup>22, KMB22, MRB<sup>+</sup>23, MRB<sup>+</sup>24, NRB<sup>+</sup>23]. **Clustering** [LPB<sup>+</sup>21]. **Clustering-specific** [LPB<sup>+</sup>21]. **Clusters** [GRC<sup>+</sup>19]. **CMOS** [CKTK22, CKTK23, CCA<sup>+</sup>18a, CCA<sup>+</sup>18b, GAE<sup>+</sup>23, NWP<sup>+</sup>23, PCO<sup>+</sup>23, RZAH<sup>+</sup>19a, SED<sup>+</sup>23, WCL23]. **CNN** [GDR<sup>+</sup>22, HCL<sup>+</sup>21, LHC<sup>+</sup>21, LHC19, PLH<sup>+</sup>22, PMBA19, QLH21, SFAAL22, WLI23, WWX<sup>+</sup>24, WLC22, YYP<sup>+</sup>22, ZZG21]. **Co** [AvAG21, BPS<sup>+</sup>23, CPLS23, FSMG<sup>+</sup>19, HSL<sup>+</sup>23, HMJ22, Liu21, uhMSI19, POMD22, RFS20, WBH<sup>+</sup>18, ZWL<sup>+</sup>23, ZNF21, GAE<sup>+</sup>23, HP18, KHH22, RPD<sup>+</sup>15, YWZL22]. **Co-Design** [HMJ22, uhMSI19, RFS20, ZWL<sup>+</sup>23, ZNF21, BPS<sup>+</sup>23, HSL<sup>+</sup>23, Liu21, HP18]. **Co-Design-Based** [POMD22]. **Co-Designed** [WBH<sup>+</sup>18]. **Co-Processor** [CPLS23, AvAG21, GAE<sup>+</sup>23, KHH22, RPD<sup>+</sup>15, YWZL22]. **Co-Processors** [FSMG<sup>+</sup>19]. **Code** [GTD<sup>+</sup>23, HYML23, TA22, ZPRD23, TOYK22]. **Codes** [KGHRM23, TS20, WTS21]. **Coherent** [GCL<sup>+</sup>23, LCG<sup>+</sup>23]. **ColibriES** [RHD<sup>+</sup>23]. **Collaborative** [DYZ<sup>+</sup>22, YLT<sup>+</sup>23]. **Commercial** [CXL<sup>+</sup>20a, HSEKD21]. **commit** [HK20]. **Communication** [KIS20, PS22b, ZSM20, HC20, TCL<sup>+</sup>21]. **Communications** [RMF22]. **Compact** [DNN23, TBR<sup>+</sup>22, MRSBGR<sup>+</sup>20]. **Comparative** [CPWG23, IK21a, KSAL21, DAK<sup>+</sup>21]. **Comparison** [BWP22, ET21, HSEKD21, PNG20, WYK21, CRRS21, SCR<sup>+</sup>17]. **COMPAS** [SMGS22]. **CompaSeC** [GAMG<sup>+</sup>23]. **Compatible** [BBVB20, HLHK19, RKRF21, SGP<sup>+</sup>23, BGVB18, ETR<sup>+</sup>20, WRD<sup>+</sup>17]. **Compilation** [TZS<sup>+</sup>21]. **Compiler** [AS22, DCL23, GAMG<sup>+</sup>23, KR24, PNG20, SMGS22, WXY<sup>+</sup>22, TMK<sup>+</sup>16]. **Compiler-assisted** [GAMG<sup>+</sup>23, SMGS22]. **Complete** [FHL<sup>+</sup>22, WMR<sup>+</sup>22]. **Completion** [UD20]. **complexity** [NKTS23]. **Compliance** [BHGD21, HGD20a, HTGD21]. **Compliant** [KGC<sup>+</sup>24, PCA<sup>+</sup>24]. **Components** [ABC<sup>+</sup>20]. **Composable** [ZWB19]. **Comprehensive** [SAB24]. **compressed** [KK21]. **Compressor** [IVZV20]. **Compromising** [Bis21]. **Computation** [GFB<sup>+</sup>24, uhMSI19, WWX<sup>+</sup>24]. **Computational** [MST<sup>+</sup>23]. **Computations** [Ant22]. **Compute** [CKTK22, CKTK23, DAKK19, GTP<sup>+</sup>22, LCG<sup>+</sup>23, SZHB21]. **Computer** [Ano22, BBdD17, HLP<sup>+</sup>24, HH21, HCP<sup>+</sup>21, HH22, IEE21, IEE22, IEE23, KG22c, LF22, MSJ19, MKVD23, PH17, PH21, RKH<sup>+</sup>23,



TBL19, TSW<sup>+</sup>23, HP18, Pat18, TZPL21].

**Computers** [BFP<sup>+</sup>22, KIS20, Pat17].

**Computing**

[BDdD19b, CSM<sup>+</sup>21, CXL<sup>+</sup>20b, DYZ<sup>+</sup>22, FGD<sup>+</sup>19, FSMU21, GRC<sup>+</sup>19, ILG19, KBBA17, LWC18, MDPM24, MPU<sup>+</sup>23, NPA<sup>+</sup>23, PCW<sup>+</sup>22, PPYB23, SJBS21, TBSh22, WLW<sup>+</sup>21, XZW<sup>+</sup>22, Yan20, ZSB20, ZSB21, ZHL<sup>+</sup>23, Gre20, HYXW22, SCM<sup>+</sup>21, WWL<sup>+</sup>20, WTY<sup>+</sup>23, YWZL22].

**Computing-in-Memory** [ZHL<sup>+</sup>23].

**Concolic** [HGLD19]. **Conference**

[GD19, IEE21, IEE22]. **Confidential**

[XZW<sup>+</sup>22]. **Configurable**

[BHT<sup>+</sup>21, HGLD18, KGC<sup>+</sup>24, KEAS<sup>+</sup>18, PKN<sup>+</sup>20, RRJ<sup>+</sup>21, TGRK21, ZS23, APHD22, HYXW22, HGPD20].

**Configuring** [FSMU21]. **Considered**

[PW17b]. **Constrained**

[APHD21a, ET21, dAGM23, JBK23, SMJ21, ZHLR22, SCL<sup>+</sup>21]. **Constraint** [FDS<sup>+</sup>23].

**Constraint-Based** [FDS<sup>+</sup>23]. **Constraints**

[LHT<sup>+</sup>21, ZPRD21]. **Construction**

[MCL<sup>+</sup>21]. **Consumption**

[MTT21, MRAM<sup>+</sup>23, TDH<sup>+</sup>23, ZCH22].

**context** [LSB22]. **context-aware** [LSB22].

**Continual** [RRC<sup>+</sup>20]. **Control**

[Ant22, ABW<sup>+</sup>20, KKH<sup>+</sup>20, PSM23, RLL<sup>+</sup>21, RHD<sup>+</sup>23, YLT<sup>+</sup>23, ZGG23,

PKKK22, Sah23, ZPRD23]. **control-flow**

[PKKK22]. **Controlled**

[AWB<sup>+</sup>23, FFW20, SNH22]. **Controller**

[DNKDN<sup>+</sup>24, EAI19, GRCRCG<sup>+</sup>20,

MST<sup>+</sup>23, MDR19, OBB<sup>+</sup>24, Suv21a,

SKK<sup>+</sup>22, TL22]. **Controllers** [ZZG21].

**ControlPULP** [OBB<sup>+</sup>24]. **Conversion**

[DCM23, RPD<sup>+</sup>15]. **Converters**

[ZLP<sup>+</sup>16, LZW<sup>+</sup>15, ZLP<sup>+</sup>15]. **Convolution**

[KSAL21, WZW<sup>+</sup>21, RCMQO24, TZ22].

**Coprocessor** [BDdD19a, CMV21, DEC<sup>+</sup>18,

FSMU21, HCL<sup>+</sup>21, LHC<sup>+</sup>21, LKKK22,

LYL23, MPU<sup>+</sup>23, PSS23, SWWL23,

WWGW23, ZWL<sup>+</sup>20, GBP21, PRS<sup>+</sup>15].

**Coprocessors** [CSM<sup>+</sup>21, LVR<sup>+</sup>20].

**CORDIC** [NKH<sup>+</sup>21, YYM21].

**CORDIC-based** [NKH<sup>+</sup>21]. **Core**

[ASE<sup>+</sup>21, BBV<sup>+</sup>23, BZVCB23, BP21, CXL<sup>+</sup>20a, CKTK23, COMP19, DXT<sup>+</sup>18, EHK20, GST<sup>+</sup>17, GZK<sup>+</sup>21, GTD<sup>+</sup>23, GCCR21, GCR<sup>+</sup>23, HWJ23, HSR<sup>+</sup>23, HCP<sup>+</sup>21, HM21, IK21a, KHG20, KG22a, KM21, KKOY19, KSRT23, LRF<sup>+</sup>21, LKKK22, MMD<sup>+</sup>22a, MMD<sup>+</sup>22b,

MMD<sup>+</sup>22c, MRAM<sup>+</sup>23, NWP<sup>+</sup>23, NKTS23,

OBB<sup>+</sup>24, PDLC18, PLH<sup>+</sup>22, PAPJ<sup>+</sup>23,

PCA<sup>+</sup>24, PMKZ22, PS22b, PMBA19,

RZAH<sup>+</sup>19a, SGP<sup>+</sup>23, SAF<sup>+</sup>23, SLBJ23,

SWW<sup>+</sup>21, SWW<sup>+</sup>22, SR22, SUAR23,

SFGB20, SKK<sup>+</sup>22, TGRK19, TGRK21,

VSD22, WLI23, WSG<sup>+</sup>21, WSK<sup>+</sup>20,

WLC22, YLC21, YTÖ21, ZB19, ZSB21,

dOTB<sup>+</sup>20, BCM<sup>+</sup>21, CKTK22, CYJ<sup>+</sup>22,

DAKK19, EHN23, FvHC<sup>+</sup>23, GG18,

HMTL21, Lu21b, MRSBGR<sup>+</sup>20, SJYZ22,

TH22, WRD<sup>+</sup>17, WTY<sup>+</sup>23, ZSB20,

ZPRD21, ZPRD23, HHTo23]. **core-based**

[SJYZ22]. **CORE-V** [HHTo23]. **Cores**

[ARH<sup>+</sup>22, BPM<sup>+</sup>21, BPF<sup>+</sup>22, CSM<sup>+</sup>21,

Cho18, Cho19, ET21, FSPB21, FGD<sup>+</sup>19,

GMS<sup>+</sup>23, GGÁARG<sup>+</sup>21, GRD22, HHB<sup>+</sup>19,

JHL<sup>+</sup>21, JS23, KIS22, KG22c, LCG<sup>+</sup>23,

MLPH23, NPA<sup>+</sup>23, OCMPI9, OCC<sup>+</sup>17,

SSR<sup>+</sup>18, SZHB21, SB23, Bar20, SBJ21,

SCR<sup>+</sup>17]. **Core** [Ano23f]. **Correction**

[Cho19, KFGH<sup>+</sup>23, KGHRM23, UD20, ZC23].

**Correlation** [DHL<sup>+</sup>21]. **Corruption**

[BR24, CDW<sup>+</sup>24]. **Cost**

[BPM<sup>+</sup>21, DCL23, RKH<sup>+</sup>23, RMR21, SG23,

SLZ<sup>+</sup>20, ZB19, ZG22, HWG22, RAPK23].

**Cost-effective** [ZG22]. **COTS** [dOK23].

**Countermeasure** [DHL<sup>+</sup>21, GAMG<sup>+</sup>23].

**Countermeasures** [GTD<sup>+</sup>23, LBDPP19].

**Counters** [DRN<sup>+</sup>23]. **Coupled**

[GKB<sup>+</sup>22, CMV21, JZWL23]. **Course**

[LLS22]. **Coverage** [AKMS21]. **Covert**

[MTAL22]. **Coyote** [PFD21]. **CPA**

[TDH<sup>+</sup>23]. **CPK** [ZS23]. **CPU**

[AWB<sup>+</sup>23, CWD<sup>+</sup>21, COMP19, GG18,



IZG22, LKKK22, MCL22, MKČ23, MTAL22, MS17, Pat18, RKRF21, SNH22, SSB22, Szk21, WLC22, ZZZ21]. **CPU(R)** [TZS<sup>+</sup>21]. **CPUs** [CPWG23, GWZS23, HWJ23, JRW<sup>+</sup>23]. **Critic** [RBK18]. **Critical** [MKČ23, RLL<sup>+</sup>21, SKK<sup>+</sup>22, WMA<sup>+</sup>21]. **criticality** [CIPR21]. **Cross** [HGJD20, VOK<sup>+</sup>22, WWN23, APHD22]. **Cross-layer** [VOK<sup>+</sup>22]. **Cross-Level** [HGJD20, APHD22]. **Cross-Platform** [WWN23]. **Crypto** [KR24, RFS20]. **Cryptographic** [Bis21, DHL<sup>+</sup>21, HDT<sup>+</sup>20, MLPH23, MČB22, SNK23, TDH<sup>+</sup>23, ZWL<sup>+</sup>23]. **Cryptography** [dAGM23, KGHM23, LKKK22, NDZ<sup>+</sup>21, NHML<sup>+</sup>22, TGMD20, XHY<sup>+</sup>20, ZKS<sup>+</sup>23]. **Cryptoprocessor** [HBSE22, ZHC<sup>+</sup>18]. **Cryptosystem** [PGZMG21]. **CRYSTALS** [GJC23, NDZ<sup>+</sup>21]. **CRYSTALS-Dilithium** [GJC23]. **CSR** [BHGD21]. **Current** [AMG<sup>+</sup>20, HCW23]. **Custom** [CWS<sup>+</sup>24, DFA<sup>+</sup>23, HHB23, LHC19, LMP23, MRB<sup>+</sup>23, MRB<sup>+</sup>24, NKH<sup>+</sup>21, SNH22, Su21, WWX<sup>+</sup>24, PKL21, PJL21]. **Customizable** [SCM<sup>+</sup>21]. **Customized** [WZW<sup>+</sup>21, EHN23]. **Customizing** [MMD<sup>+</sup>22a]. **CV32A6** [HH23]. **CVA6** [MMD<sup>+</sup>22a, MTAL22, SVM<sup>+</sup>23]. **Cyber** [APHD21b, Ano22]. **Cyber-Physical** [APHD21b]. **Cyber-Security** [Ano22]. **Cycle** [GGH<sup>+</sup>22, uhMSI19, ZNF21, DPV<sup>+</sup>17, UD18]. **Cycle-Accurate** [uhMSI19]. **Cycle-True** [ZNF21].

**D** [PKC<sup>+</sup>20, VMO<sup>+</sup>23]. **D2** [PGTD23]. **DARKSIDE** [GTP<sup>+</sup>22, GPV<sup>+</sup>22]. **Data** [Ano23g, DAKK19, FHL<sup>+</sup>22, GLS21, KRR22, KGBH22, KK23, LWC18, LVPSB<sup>+</sup>23, RKRF21, Su21, TBS<sup>+</sup>21, ZHL<sup>+</sup>23, RPD<sup>+</sup>15, ZZB<sup>+</sup>20]. **Data-Flow** [FHL<sup>+</sup>22]. **dataflow** [GAE<sup>+</sup>23, YWZL22]. **Datapath** [HMJ24]. **Datapaths** [VROdlT22]. **Day** [CPL<sup>+</sup>24]. **DBPS** [LCN<sup>+</sup>23]. **DC** [LZW<sup>+</sup>15, WCL23, ZLP<sup>+</sup>15, ZLP<sup>+</sup>16]. **DC-DC** [LZW<sup>+</sup>15, ZLP<sup>+</sup>15]. **DCLS** [NKTS23]. **DCT** [HHB23]. **De-RISC** [WMA<sup>+</sup>21, WMR<sup>+</sup>22]. **Deblocking** [AS18]. **Debug** [LKHK23]. **Debugger** [RSR20]. **DECADES** [GCL<sup>+</sup>23]. **Decentralized** [GLS21, NBT22, SLMS21]. **Decimal** [uhMSI19]. **Decoder** [KFGH<sup>+</sup>23, SUAR23]. **Decoupled** [Ant22, MPU<sup>+</sup>23]. **Decryption** [AYA<sup>+</sup>23]. **dedicated** [BMM<sup>+</sup>20]. **Deep** [ABW<sup>+</sup>21, CRRS22, FHY19, HSL<sup>+</sup>23, KSAL21, SLCK21, TBR<sup>+</sup>22, CRRS21, RCMQO24]. **Deeply** [JZWL23, QCL<sup>+</sup>23]. **Deeply-coupled** [JZWL23]. **Deflection** [KG17]. **Deflection-Routed** [KG17]. **delay** [LSB22]. **delegated** [CLM<sup>+</sup>22]. **Demonstrating** [PKL21]. **Dependable** [MSDM23, NPA<sup>+</sup>23]. **Deployment** [BCCM21]. **Depth** [KNK<sup>+</sup>21]. **Design** [BSZ<sup>+</sup>21, BSZ<sup>+</sup>24, CWD<sup>+</sup>21, CPLS23, Chi23, Chi24, CTSG22, DXT<sup>+</sup>18, DYZ<sup>+</sup>22, DZZZ23, FHD22, GZ22, GMS<sup>+</sup>23, GGH<sup>+</sup>22, GBP21, GXLW22, GKB<sup>+</sup>22, GMV20, GRD22, HWJ23, HSR<sup>+</sup>23, HH21, HH22, HYXW22, HSWM23, HMJ22, HGD<sup>+</sup>19, IK21a, KM21, LHC19, LCF23, LYL23, LHK23, LLS22, LZH20, LLL<sup>+</sup>21, Lu22, MCL22, MLPH23, MSSS23, MZZG22, uhMSI19, Mis22, NKTS23, NSM<sup>+</sup>23, NRLH22, OPY<sup>+</sup>18, OCMP19, PDLC18, PKC<sup>+</sup>20, PAPJ<sup>+</sup>23, PGTD23, PH17, PH21, PCW<sup>+</sup>22, POMD22, PSZMM21, PNV22, QLC20, RSA<sup>+</sup>23, RFS20, RCS<sup>+</sup>19, SGP<sup>+</sup>23, SVM<sup>+</sup>23, SLBJ23, SJER23, SWWL23, SSB<sup>+</sup>19, SFGB20, SS22, TMR<sup>+</sup>19, TGT<sup>+</sup>23, WLY<sup>+</sup>22, WWGW23, WTY<sup>+</sup>23, YBR<sup>+</sup>23, YNYD23, YLT<sup>+</sup>23, YTÖ21, ZTC21, ZHC<sup>+</sup>18, ZWB19, ZGL<sup>+</sup>21, ZZZ21, ZGG23, ZZQ21, ZWL<sup>+</sup>23, ZNF21, BMM<sup>+</sup>20, BCM<sup>+</sup>21, Bar20, BPS<sup>+</sup>23, HSL<sup>+</sup>23, HP18, LF22, Liu21, RPSD16, SJYZ22]. **Designed** [Ano22, MMGC20, QLH21, WBH<sup>+</sup>18,



DDM<sup>+</sup>20, ZZW<sup>+</sup>19]. **Designing** [CSM<sup>+</sup>21, KGC<sup>+</sup>24, MSJ19, Chi23]. **Designs** [CPWG23]. **Detection** [GKB<sup>+</sup>22, HSWM23, HUL<sup>+</sup>22, HCL<sup>+</sup>21, LRF<sup>+</sup>21, LHD<sup>+</sup>21, LHC<sup>+</sup>21, LCF23, LXC23, PCL<sup>+</sup>23, PGTD23, UD20, CPL<sup>+</sup>24, KSAL21, LHD<sup>+</sup>22, SJYZ22, ZZW<sup>+</sup>19]. **Detection-Based** [UD20]. **Developing** [JHL<sup>+</sup>21, PCL<sup>+</sup>23, PHC<sup>+</sup>23, TSABTM20, XYT<sup>+</sup>22, XYT<sup>+</sup>23]. **Development** [And20, CRMR<sup>+</sup>23, CPL<sup>+</sup>24, EHN23, HCW23, SNM22, Suv21a, SKK<sup>+</sup>22, ZCH<sup>+</sup>23, Bar20, PKL21]. **Developments** [AAB<sup>+</sup>23]. **Device** [Lu21b, SB23, WHB<sup>+</sup>22]. **Devices** [ASH19, CWS<sup>+</sup>24, GST<sup>+</sup>17, HCL<sup>+</sup>21, JBK23, MRAM<sup>+</sup>23, MTJ<sup>+</sup>22, NPA<sup>+</sup>23, SMJ21, CTN18, EHN23, SCL<sup>+</sup>21]. **DFT** [ZCH<sup>+</sup>23]. **Diagnostic** [MGZ<sup>+</sup>23]. **Differences** [Cho18, Cho19]. **Different** [AKMS21, KIS22]. **Digit** [HSE<sup>+</sup>24]. **Digital** [CCC<sup>+</sup>19, GLS21, GJC23, HH21, HH22, HSEKD21, RZAH<sup>+</sup>19a, KSSMRB23, TCL<sup>+</sup>21, Ano23f, WBH<sup>+</sup>18]. **Dilemma** [HCW23]. **Dilithium** [GJC23]. **Direct** [JRW<sup>+</sup>23, MDR19]. **Directional** [KG17]. **Disassembler** [GSDB18]. **Discussion** [APHD21a]. **dispatch** [HK20, KKC<sup>+</sup>16]. **DIV** [LGB17]. **Division** [HSE<sup>+</sup>24]. **DNA** [WHB<sup>+</sup>22]. **DNN** [AWB<sup>+</sup>23, ADF<sup>+</sup>23, CTN18, CPG<sup>+</sup>23, CRP<sup>+</sup>23, GPV<sup>+</sup>22, GTP<sup>+</sup>22, HM21, KSAL21, LCN<sup>+</sup>23, OGT<sup>+</sup>20, WXY<sup>+</sup>22]. **DOJO** [TSW<sup>+</sup>23]. **Domain** [HP18, OBSB23, XHY<sup>+</sup>20, ZXXH22, Pat18]. **Domain-Specific** [OBSB23, XHY<sup>+</sup>20, ZXXH22, HP18, Pat18]. **Domains** [DMR<sup>+</sup>20]. **Domestic** [WLC22]. **Dot** [KBBA17]. **double** [LWA<sup>+</sup>14]. **double-precision** [LWA<sup>+</sup>14]. **Driven** [DWG<sup>+</sup>20, MRB<sup>+</sup>23, MRB<sup>+</sup>24, FHD22, LKHK23, RCS<sup>+</sup>19, gMCP19]. **Drones** [Ben23]. **Drop** [HLHK19, YLT22]. **Drop-In** [HLHK19]. **DSP** [GST<sup>+</sup>17, LWD20, LYL23, Su21]. **Dual** [CYJ<sup>+</sup>22, HMTL21, KSRT23, SUAR23, WSK<sup>+</sup>20, EHN23, GMV20, NKTS23]. **Dual-Core** [SUAR23, WSK<sup>+</sup>20, CYJ<sup>+</sup>22, HMTL21, EHN23]. **Dual-Issue** [KSRT23]. **dummy** [LSB22]. **DuVisor** [CLM<sup>+</sup>22]. **DVFS** [TBK<sup>+</sup>19, TLS22]. **DVINO** [CCC<sup>+</sup>22]. **Dynamic** [BDdD19a, CMV21, CKTG21, DHL<sup>+</sup>21, KCGL23, LCN<sup>+</sup>23, PDLC18, TBK<sup>+</sup>19, TCH23, WW21, ZWL<sup>+</sup>20, PRP<sup>+</sup>23]. **Dynamically** [QLC20]. **E203** [SJYZ22]. **Early** [HGLD19, LNZ<sup>+</sup>22, ZGD22]. **ECG** [HUL<sup>+</sup>22]. **Ecosystem** [AAA<sup>+</sup>21, EAM<sup>+</sup>22, uhMSI19, PNG20, TZPL21]. **ECU** [ZS23]. **ECUs** [CTSG22, CSO<sup>+</sup>23]. **EDA** [GG18]. **Edge** [AYA<sup>+</sup>23, CSM<sup>+</sup>21, CXL<sup>+</sup>20b, FRC<sup>+</sup>18, FSMU21, GPV<sup>+</sup>22, GTP<sup>+</sup>22, HSR<sup>+</sup>23, LCF23, MST<sup>+</sup>23, MTJ<sup>+</sup>22, NPA<sup>+</sup>23, OGT<sup>+</sup>20, RRC<sup>+</sup>20, Su20, TTb22, WWX<sup>+</sup>24, WCGL23, Yan20, GRC<sup>+</sup>19, SCM<sup>+</sup>21, WTY<sup>+</sup>23, Raj21, CV22]. **Edge-AI** [CV22]. **Edge-Computing** [CSM<sup>+</sup>21]. **Edition** [HH22]. **Education** [HCP<sup>+</sup>21, MSJ19, MKVD23, APHD22]. **Educational** [SUM23]. **EEG** [LCF23]. **EEG-based** [LCF23]. **Effect** [AKMS20, CLWL21, RCK<sup>+</sup>24]. **effective** [ZG22]. **Effects** [Cho18, Cho19, TAC<sup>+</sup>22, dOTB<sup>+</sup>20]. **Efficiency** [CPWG23, CLR<sup>+</sup>21b, CLR<sup>+</sup>21a, dAGM23, MAS18, LGB17, SAB24, WWZL17]. **Efficient** [AHB20, BZVCB23, CSZ<sup>+</sup>20, DFA<sup>+</sup>23, DWG<sup>+</sup>20, EGBS22, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, HMJ24, HGJD20, IK21b, KIS22, KSRT23, LCN<sup>+</sup>23, MLD<sup>+</sup>23, MKB<sup>+</sup>23, MPU<sup>+</sup>23, PCW<sup>+</sup>22, PCA<sup>+</sup>24, RFS20, SNH22, SUAR23, TBSh22, ZZZ<sup>+</sup>23, ZKS<sup>+</sup>23, CSM22, EHN23, HUL<sup>+</sup>22, HCL<sup>+</sup>21, ZSB20]. **eFPGA** [GCL<sup>+</sup>23, LCG<sup>+</sup>23, SRD<sup>+</sup>21]. **eFPGA-Augmented** [SRD<sup>+</sup>21]. **EHE**



[EGBS22]. **Eight** [CKTK23, SWW<sup>+</sup>21, SWW<sup>+</sup>22]. **Eight-Core** [CKTK23, SWW<sup>+</sup>21, SWW<sup>+</sup>22]. **Electronics** [SKK<sup>+</sup>22]. **Elementary** [CWS<sup>+</sup>24]. **elevate** [TZPL21]. **Embedded** [AvAG21, BCCM21, DBGJ19, DBGJ20, DK23, FSMU21, dAGM23, HGLD19, HWG22, JK20, KLP<sup>+</sup>20, KKoy19, KSRT23, LKHK23, MSP23, MTCL21, MZZG22, RAPK23, RHD<sup>+</sup>23, SMP22, SG23, SUM23, SAB22, SLB<sup>+</sup>22, TL22, WLI23, ZZG21, ZGMD22, ZGD22, ZHX<sup>+</sup>22, Ano20, DZZZ23, GAE<sup>+</sup>23, KKC<sup>+</sup>16, MP20a, MP20b, SFAAL22, ZJX20, ZG22]. **Emission** [SG23]. **Emoji** [BJN23]. **Emotion** [LCF23]. **Empiricism** [SJM<sup>+</sup>20, SJP<sup>+</sup>23]. **EMS** [GG18]. **emulated** [MRGRCR<sup>+</sup>21b]. **Emulates** [LKHK23]. **Emulation** [CRMR<sup>+</sup>23, KEAS<sup>+</sup>18, OBB<sup>+</sup>24, PPYB23, ZZB<sup>+</sup>20, ZUSK23]. **Emulator** [LRB18]. **En/Decryption** [AYA<sup>+</sup>23]. **Enable** [PFD21]. **Enabled** [TGRK19, TGRK21, SJP<sup>+</sup>23]. **Enabling** [CKTG21, FSMU21, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, MS17]. **Enclave** [SJBS21]. **Encoder** [KKEG22, ZPRD22, WWW23]. **Encryption** [AYA<sup>+</sup>23, Cil21, FdRES23, Lu22, PS22a, YXH20]. **End** [CPG<sup>+</sup>23, GM21, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, KHS<sup>+</sup>23, SRD<sup>+</sup>21]. **End-Node** [CPG<sup>+</sup>23]. **End-to-End** [GM21, KHS<sup>+</sup>23]. **Endpoint** [CWS<sup>+</sup>24, GST<sup>+</sup>17]. **Energy** [CSZ<sup>+</sup>20, CPWG23, DWG<sup>+</sup>20, ET21, FGD<sup>+</sup>19, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, HMJ24, HCL<sup>+</sup>21, KIS22, KSRT23, MTT21, MKB<sup>+</sup>23, MRAM<sup>+</sup>23, SNH22, WT19, ZB19, SAB24, WWZL17]. **Energy-Efficient** [CSZ<sup>+</sup>20, DWG<sup>+</sup>20, HMJ24, KIS22, KSRT23, MKB<sup>+</sup>23, SNH22, HCL<sup>+</sup>21]. **Enforcement** [FHL<sup>+</sup>22]. **Engine** [ERGK21, YXH20]. **Engineering** [Sew21]. **enhanced** [HP18]. **Enhancement** [KK23]. **Enhancing** [ZKS<sup>+</sup>23]. **entropy** [SNM22]. **Environment** [BCZ21a, HDT<sup>+</sup>20, KHS<sup>+</sup>23, MCL<sup>+</sup>21, NSM<sup>+</sup>23, OCMP19, SNK22, SNOT21, BMM<sup>+</sup>20]. **Environments** [AVS<sup>+</sup>22, SMMD23, SGCGCR17]. **Epilepsy** [HSWM23, HCL<sup>+</sup>21, LHC<sup>+</sup>21]. **Error** [Cho18, Cho19, DXYZ19, GDR<sup>+</sup>22, GKB<sup>+</sup>22, KFGH<sup>+</sup>23, KGHRM23, LNZ<sup>+</sup>22, SJER23, UD20, VSD22, WCL23, YLC21, ZC23]. **Error-Correction** [KFGH<sup>+</sup>23, KGHRM23]. **Error-Resilient** [WCL23]. **Error-Tolerant** [VSD22]. **Errors** [ARH<sup>+</sup>22, FKS22]. **Esperanto** [DEA<sup>+</sup>21, DtEt22]. **Establishment** [DNKDN<sup>+</sup>24]. **Estimation** [KMB22, ZGMD22, ZGD22]. **ET-SoC-1** [DEA<sup>+</sup>21, DtEt22]. **ETC** [ZSM21]. **Ethereum** [GLS21, SLMS21]. **Ethernet** [CRMR<sup>+</sup>23]. **Ethical** [HSR<sup>+</sup>23]. **Europe** [AAC<sup>+</sup>23]. **European** [FDMM22]. **Evaluate** [VOK<sup>+</sup>22]. **Evaluating** [IVZV20, KCGL23, MAS18, MTJ<sup>+</sup>22, RZAH<sup>+</sup>19b, SNK22, dOTB<sup>+</sup>20, dOK23, GYW<sup>+</sup>23]. **Evaluation** [AS22, APHD21a, APHD21b, AMRCP21, BSSW21, CG23, DAPS21, DDM<sup>+</sup>20, FTRH20, FHD22, GMFC23, HJ23, HLHK19, HGD20b, HHB<sup>+</sup>19, ISM<sup>+</sup>23, JBK23, JS23, KIS22, uhMSI19, MCB22, PPYB23, SSB22, TMR<sup>+</sup>19, ZZZ<sup>+</sup>23, AS24, FKS22, HGTD21, VMFL23]. **Even** [Szk21]. **Event** [BWZ<sup>+</sup>21, CLWL21, EGBS22, MST<sup>+</sup>23, MRB<sup>+</sup>23, MRB<sup>+</sup>24, Suv21b]. **Event-Based** [MST<sup>+</sup>23]. **Event-Driven** [MRB<sup>+</sup>23, MRB<sup>+</sup>24]. **Everyone** [RBK18]. **Exa** [TSW<sup>+</sup>23]. **Exa-Scale** [TSW<sup>+</sup>23]. **Exact** [KBBA17]. **Executed** [ZPRD23]. **Execution** [AVS<sup>+</sup>22, BCZ21a, BHD23, CDW<sup>+</sup>24, GZ22, GCCR21, GCR<sup>+</sup>23, HDT<sup>+</sup>20, IZG22, MCL<sup>+</sup>21, MAS18, SNOT21, TZG<sup>+</sup>23, ZHX<sup>+</sup>22]. **Experimental** [FKS22]. **Experiments** [CLC<sup>+</sup>20, CRRS21]. **exploiting** [TLS22, ZNF21]. **Exploration** [BSZ<sup>+</sup>21, BSZ<sup>+</sup>24, GRD22, HJ23, KG22c, LHK23, MSR<sup>+</sup>21, SVM<sup>+</sup>23, SLBJ23, TAC<sup>+</sup>22]. **Explorer** [BSZ<sup>+</sup>21, BSZ<sup>+</sup>24]. **Exploring** [CMV21, Lu21b, MDPM24, PCA<sup>+</sup>24,



PGZMG21, RBK18, SG23, PJJ21]. **Exposed** [HMJ24]. **Exposing** [TBS<sup>+</sup>21]. **ExSdotp** [BPF<sup>+</sup>22]. **Extend** [WZW<sup>+</sup>19]. **Extended** [GM21, GFB<sup>+</sup>24, JHLD21, KK23, MR22, SED<sup>+</sup>23, TCL<sup>+</sup>21, WLI23, AS24, GMS<sup>+</sup>23, HYXW22]. **Extending** [AS18, AHB20, FSS20, PS22b, PMBA19, TEYK21, TYEK21, VROdlT22, ZPRD21]. **Extensible** [HGLD18, HGPD20]. **Extension** [ABP22, AHV<sup>+</sup>21, BKdLSGL23, BPF<sup>+</sup>22, CLC<sup>+</sup>20, CXL<sup>+</sup>20a, DAHK20, DCL23, GZC22, GFB<sup>+</sup>24, HVW<sup>+</sup>21, HCZ21, ISM<sup>+</sup>23, JSB20, JZWL23, KA20, KKOY19, KZH22, KFGH<sup>+</sup>23, KGHRM23, MCL<sup>+</sup>21, MC22, MTCL21, MZZG22, NDZ<sup>+</sup>21, PPS<sup>+</sup>19, PGZMG21, PSM23, RSR21, RMF22, SZHB21, TGMD20, TGMD21, WWL<sup>+</sup>20, WLW<sup>+</sup>21, WY23, YCL<sup>+</sup>23, ZHC<sup>+</sup>18, ZXXH22, ZKS<sup>+</sup>23, MB16, PKKK22, TZ22, VMFL23]. **Extensions** [CLW23, DBGJ19, FHD22, GTC<sup>+</sup>20, GST<sup>+</sup>17, dAGM23, GMK<sup>+</sup>23, KAMS19, LCN<sup>+</sup>23, LMP23, SPDLP<sup>+</sup>22, Su21, SNK22, YYP<sup>+</sup>22, MMR<sup>+</sup>17, TMR<sup>+</sup>19, ZJX20]. **Extraction** [GTD<sup>+</sup>23, LWLA23]. **Extreme** [GPV<sup>+</sup>22, GTP<sup>+</sup>22, OGT<sup>+</sup>20, RRC<sup>+</sup>20, TTB22, SCM<sup>+</sup>21]. **Extreme-Edge** [GPV<sup>+</sup>22, GTP<sup>+</sup>22, OGT<sup>+</sup>20, RRC<sup>+</sup>20, SCM<sup>+</sup>21].

**Fabric** [DXT<sup>+</sup>18]. **Factors** [TDH<sup>+</sup>23]. **Fail** [TDPD<sup>+</sup>21]. **Fail-Reason** [TDPD<sup>+</sup>21]. **Families** [FDS<sup>+</sup>23]. **Fast** [BHT<sup>+</sup>21, DXT<sup>+</sup>18, HGTD20, HGD20b, MTCL21, MGZ<sup>+</sup>23, MMA<sup>+</sup>18, PLSK20, RSS<sup>+</sup>21, KHH22, WWZL17]. **faster** [CRRS21]. **Fault** [AKMS20, AMRCP21, BWZ<sup>+</sup>21, BMM<sup>+</sup>20, BCM<sup>+</sup>21, DKA<sup>+</sup>22, ELG20, GAMG<sup>+</sup>23, KR24, KNK<sup>+</sup>21, LBDPP19, gMCP19, POMD22, RMP<sup>+</sup>19, SLZ<sup>+</sup>20, SML<sup>+</sup>22, SMMD23, SMGS22, SR22, SUAR23, TAC<sup>+</sup>22, WW19, WW21, dOK23, JS23]. **Fault-Safe** [gMCP19]. **Fault-Tolerance** [RMP<sup>+</sup>19]. **Fault-Tolerant** [SLZ<sup>+</sup>20, SML<sup>+</sup>22, SMMD23, SR22, SUAR23, dOK23]. **Faults** [YLC21]. **Faulty** [AVS<sup>+</sup>22]. **FD** [CSZ<sup>+</sup>20, KCZ<sup>+</sup>17, MSZB19, PS22b, SAW<sup>+</sup>20, SPDLP<sup>+</sup>22, WSK<sup>+</sup>20]. **FD-SOI** [CSZ<sup>+</sup>20, KCZ<sup>+</sup>17, MSZB19, SAW<sup>+</sup>20, SPDLP<sup>+</sup>22, WSK<sup>+</sup>20]. **FDSOI** [DCC<sup>+</sup>23, UD18, UD20, ZB19, ZLP<sup>+</sup>15, ZLP<sup>+</sup>16]. **features** [MS17]. **Featuring** [GCR<sup>+</sup>23, DGA<sup>+</sup>17]. **FemtoRV32** [NWP<sup>+</sup>23]. **FFT** [JZWL23, VMFL23, WRD<sup>+</sup>17, ZZQ21]. **Fi** [WRD<sup>+</sup>17]. **fibrillation** [HUL<sup>+</sup>22]. **Field** [KGHRM23]. **Files** [Ano21]. **Filter** [AS18]. **Fine** [NRB<sup>+</sup>23, RSM<sup>+</sup>23, SAW<sup>+</sup>20, WSK<sup>+</sup>20, NKTS23]. **Fine-Grain** [NRB<sup>+</sup>23, WSK<sup>+</sup>20]. **Fine-Grained** [SAW<sup>+</sup>20, RSM<sup>+</sup>23, NKTS23]. **FinFET** [BHR<sup>+</sup>18, BRH<sup>+</sup>19, GCL<sup>+</sup>23, GZK<sup>+</sup>21, HMTL21, SWW<sup>+</sup>21, SWW<sup>+</sup>22, WRD<sup>+</sup>17, WBH<sup>+</sup>18, WBH<sup>+</sup>19, GAE<sup>+</sup>23]. **FIRECAP** [TDPD<sup>+</sup>21]. **FireSim** [FHY19]. **Firmware** [HGD<sup>+</sup>19, TLC<sup>+</sup>24, BCZ21b]. **First** [BFP<sup>+</sup>22, Gen24, SMP22, WMA<sup>+</sup>21]. **Five** [PMKZ22, CSM22]. **Five-Stage** [PMKZ22]. **Fixed** [Liu21, YCL<sup>+</sup>23, ZG22]. **Fixed-point** [Liu21, YCL<sup>+</sup>23, ZG22]. **FIXER** [DBGJ19]. **Flash** [BFC<sup>+</sup>23]. **Flash-Based** [BFC<sup>+</sup>23]. **FlexBex** [DAHK20]. **Flexible** [GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, KKH<sup>+</sup>20, RSR20, SRD<sup>+</sup>21, Su21, DKC<sup>+</sup>21]. **Flip** [BWZ<sup>+</sup>21]. **Flip-Flops** [BWZ<sup>+</sup>21]. **Floating** [Ano20, BPM<sup>+</sup>21, CSZ<sup>+</sup>20, GFB<sup>+</sup>24, MSZB19, PSS23, PCO<sup>+</sup>23, SEG20, ZSB20, ZSB21, PRS<sup>+</sup>15, YWZL22, BDdD19b]. **Floating-Point** [Ano20, BPM<sup>+</sup>21, CSZ<sup>+</sup>20, MSZB19, PSS23, PCO<sup>+</sup>23, SEG20, ZSB21, ZSB20, YWZL22, BDdD19b]. **flop** [MSZB19]. **Flops** [BWZ<sup>+</sup>21]. **Florian** [PHC<sup>+</sup>23]. **Flow** [Ant22, DBGJ19, FHL<sup>+</sup>22, KMB22, PDLC18, PKC<sup>+</sup>20, SS19, SSB<sup>+</sup>19, WGZ<sup>+</sup>23, ZPRD23, MRSBGR<sup>+</sup>20, PKKK22, Sah23, SJYZ22]. **FMA** [QCL<sup>+</sup>23]. **Forecasting** [CDF<sup>+</sup>20].



**Forest** [TTB22]. **Forest-Based** [TTB22].  
**Formal**  
 [CAL23, DMR<sup>+</sup>20, FAPHD23, GM21, Sew21, TBLD23, TAC<sup>+</sup>22, WMGD23, XLZ23].  
**FortiFix** [KR24]. **forward** [PKKK22]. **Four** [GZ22, LCG<sup>+</sup>23]. **Four-Stage** [GZ22].  
**FP16** [TBR<sup>+</sup>22]. **FPGA**  
 [APSH<sup>+</sup>22, BCCM21, CMV21, CKTG21, Cil21, DPV<sup>+</sup>17, DDM<sup>+</sup>20, DXYZ19, EAI19, FvHC<sup>+</sup>23, GAO21, GMV20, Gra16, GSDB18, HHB23, HCP<sup>+</sup>21, HSWM23, HM21, IFO<sup>+</sup>18, JSB20, KHG20, KG22b, KFGH<sup>+</sup>23, LCYK20, LCF23, MCL22, MLPH23, MFM<sup>+</sup>19, MSJ19, MSR<sup>+</sup>21, NHML<sup>+</sup>22, OBB<sup>+</sup>24, PLSK20, PSZMM21, QLC20, SUM23, SSB<sup>+</sup>19, SSD<sup>+</sup>22, TLS22, WSMRM20, WHB<sup>+</sup>22, WLC22, YLT<sup>+</sup>23, ZUSK23, ZCH22, ZC23, dOTB<sup>+</sup>20, dOK23].  
**FPGA-Based**  
 [CKTG21, IFO<sup>+</sup>18, KFGH<sup>+</sup>23, OBB<sup>+</sup>24, ZUSK23, APSH<sup>+</sup>22, Cil21, KG22b].  
**FPGA-Optimized** [MFM<sup>+</sup>19]. **FPGAs**  
 [BFC<sup>+</sup>23, HHB<sup>+</sup>19, KAR<sup>+</sup>19, KG17, MAS18, RTRM19, WW19, WW21, WWB23, ZZB<sup>+</sup>20]. **FPU**  
 [BPM<sup>+</sup>21, KGC<sup>+</sup>24, PHC<sup>+</sup>23]. **Framework**  
 [BSZ<sup>+</sup>21, DKA<sup>+</sup>22, EEI<sup>+</sup>18, GMS<sup>+</sup>23, KR24, KEAS<sup>+</sup>18, LKHK23, LNA21, LHK23, MSJ19, MSR<sup>+</sup>21, NRA<sup>+</sup>22, SSR<sup>+</sup>18, SJM<sup>+</sup>20, SSD<sup>+</sup>22, ZBZ<sup>+</sup>23, ZNF21, APHD22, BCZ21a, MS17, MRGRCR<sup>+</sup>21a, SJP<sup>+</sup>23, SCL<sup>+</sup>21].  
**frameworks** [KSAL21]. **Fraud** [GLS21].  
**Free** [DPP22, AP14]. **FreeBSD** [Hor20].  
**FreeBSD/RISC** [Hor20].  
**FreeBSD/RISC-V** [Hor20]. **Freedom**  
 [Ano21]. **Frequency** [DHL<sup>+</sup>21]. **Frequent**  
 [MTT21]. **FrodoKEM** [KFS22]. **fruit**  
 [KSAL21]. **Full** [BHT<sup>+</sup>21, SZHB21, Sew21].  
**Full-Platform** [BHT<sup>+</sup>21]. **Full-scale**  
 [Sew21]. **Fully**  
 [HC20, PS22a, WCL23, ZHL<sup>+</sup>23, Ano20].  
**Fully-Homomorphic** [PS22a].  
**Fully-Parallel** [ZHL<sup>+</sup>23]. **Function**  
 [GZC22]. **Functional** [ASE<sup>+</sup>21, JRD<sup>+</sup>23, LPZ19, YLC21, MRSBGR<sup>+</sup>20, SC17].  
**Functions** [BKdLSGL23, CWS<sup>+</sup>24, LMP23].  
**future** [AAC<sup>+</sup>23, TCL<sup>+</sup>21]. **Fuzzerfly**  
 [RCK<sup>+</sup>24]. **Fuzzing** [RCK<sup>+</sup>24].  
**Galois** [KGHRM23]. **GaN** [RLL<sup>+</sup>21].  
**GaN-Applications** [RLL<sup>+</sup>21]. **Gap**  
 [BB21, HGD20a, HM21, FRC<sup>+</sup>18]. **GAP-8**  
 [FRC<sup>+</sup>18]. **Gateway** [CXLL22]. **Gateways**  
 [RRJ<sup>+</sup>21]. **gem5** [RSRT19]. **GEMM**  
 [RCMQO24]. **GEMM-based** [RCMQO24].  
**General** [SNOT21, MRGRCR<sup>+</sup>21b, TZ22].  
**general-purpose** [TZ22]. **Generated**  
 [BHR<sup>+</sup>18, SBJ21]. **Generating**  
 [EEI<sup>+</sup>18, GGÁARG<sup>+</sup>21, SBJ21].  
**Generation** [BFP<sup>+</sup>22, FSPB21, FDS<sup>+</sup>23, GLS21, GD19, LNA21, LPZ19, TH22, TBLD23, Ben23, CSO<sup>+</sup>23]. **Generator**  
 [Ano23e, Ant22, BRH<sup>+</sup>19, CKK<sup>+</sup>18, MKM20, TS20, TTDD21, WTS21, LSB22, SBJ21].  
**Generic** [GTCS21, OPY<sup>+</sup>18, RKH<sup>+</sup>23].  
**Genome** [LVPSB<sup>+</sup>23]. **Genotype**  
 [MRB<sup>+</sup>23, MRB<sup>+</sup>24]. **Gesture** [ZWL<sup>+</sup>20].  
**Getting** [Hor20]. **GFLOPS** [LWA<sup>+</sup>14].  
**GFLOPS/W** [LWA<sup>+</sup>14]. **GHz**  
 [CSZ<sup>+</sup>20, RZAH<sup>+</sup>19a, SWW<sup>+</sup>22, SPDLP<sup>+</sup>22, WBH<sup>+</sup>18, WBH<sup>+</sup>19, ZB19].  
**Giga** [GCL<sup>+</sup>23, RZAH<sup>+</sup>19a, RZAH<sup>+</sup>19b].  
**Giga-RISC-V** [RZAH<sup>+</sup>19b]. **Global**  
 [WLW<sup>+</sup>21]. **GlobalPlatform** [SNOT20].  
**Go** [SC17]. **GoblinCore** [LWC18].  
**GoblinCore-64** [LWC18]. **golden** [HP18].  
**GOPS** [GZK<sup>+</sup>21]. **GOPS/W** [GZK<sup>+</sup>21].  
**GOST** [DNN23]. **GOST-28147-89**  
 [DNN23]. **GPC** [LNB<sup>+</sup>23]. **GPGCN**  
 [TZ22]. **GPGPU**  
 [ETR<sup>+</sup>20, TEYK21, TYEK21]. **GPUs**  
 [TSS<sup>+</sup>22]. **Grade** [WMA<sup>+</sup>21, WMR<sup>+</sup>22].  
**Grain** [NRB<sup>+</sup>23, VROdit22, WSK<sup>+</sup>20].  
**Grained** [SAW<sup>+</sup>20, NKTS23, RSM<sup>+</sup>23].  
**granularity** [HYXW22]. **Graph**  
 [DYZ<sup>+</sup>22, Sah23, TZ22]. **Graphic** [TSS<sup>+</sup>22].  
**Graphics**  
 [TEYK21, WY23, TYEK21, ZJX20]. **Grid**



[CYJ<sup>+</sup>22, SLMS21, TS20, WTS21]. **GRVI** [Gra16]. **GVSoC** [BHT<sup>+</sup>21].

**H.265** [AS18]. **H.265/HEVC** [AS18]. **HAMSA** [KSRT23]. **HAMSA-DI** [KSRT23]. **Hardened** [DAPS21]. **Hardened-by-Replication** [DAPS21]. **Hardening** [MSDM23]. **Hardware** [AKMS20, ABM<sup>+</sup>23, ARH<sup>+</sup>22, Ant22, AHV<sup>+</sup>21, Bau17, BPF<sup>+</sup>22, BPS<sup>+</sup>23, CTSG22, DBGJ20, DCM23, DYZ<sup>+</sup>22, DLMP21, EMMB19, EGBS22, FSS20, Gen24, GWZS23, GMK<sup>+</sup>23, HVW<sup>+</sup>21, HSL<sup>+</sup>23, HLHK19, KFS22, KSFS24, KEAS<sup>+</sup>18, KYDÖ21, KBBA17, Lu21a, MCL<sup>+</sup>21, uhMSI19, NRA<sup>+</sup>22, NKH<sup>+</sup>21, OBB<sup>+</sup>24, PGTD23, PH17, PH21, QLH21, RHS<sup>+</sup>22, RSM<sup>+</sup>23, RCK<sup>+</sup>24, RFS20, RHD<sup>+</sup>23, SMGS22, SWWL23, SJBS21, TML<sup>+</sup>17a, TML<sup>+</sup>17b, TML<sup>+</sup>17c, YXH20, ZHX<sup>+</sup>22, ZWL<sup>+</sup>23, ZHL<sup>+</sup>23, ZNF21, ZZL<sup>+</sup>22, DL17, HP18, SBJ21, SCM<sup>+</sup>21, TDPD<sup>+</sup>21, TCL<sup>+</sup>21, ZPRD21, ZZW<sup>+</sup>19, ZG22]. **Hardware-Assisted** [ZHX<sup>+</sup>22]. **Hardware-In-The-Loop** [OBB<sup>+</sup>24]. **Hardware/Software** [DLMP21, PH17, RFS20, ZWL<sup>+</sup>23, HP18]. **Harmful** [PW17b]. **Hart** [USQ<sup>+</sup>22]. **Hash** [LMP23]. **Hawkbite** [SCL<sup>+</sup>21]. **Hazard** [DPP22]. **HD** [TBSH22]. **HDL** [BBV<sup>+</sup>23, LCCS21]. **Healing** [ZZZ<sup>+</sup>23]. **Heaps** [DG22]. **HeapSafe** [DG22]. **Heterogeneous** [APSH<sup>+</sup>22, CPG<sup>+</sup>23, FGD<sup>+</sup>19, GCL<sup>+</sup>23, GPV<sup>+</sup>22, GTP<sup>+</sup>22, GZK<sup>+</sup>21, KG22a, RMP<sup>+</sup>19, VTS<sup>+</sup>23, WLC22, XZW<sup>+</sup>22, ZBA<sup>+</sup>20, WTY<sup>+</sup>23, EHK20]. **HEVC** [AS18]. **Hidden** [LBDPP19]. **Hierarchical** [BWZ<sup>+</sup>21]. **Hierarchy** [PKN<sup>+</sup>20]. **High** [Ano23c, Ano23d, AMG<sup>+</sup>20, BFP<sup>+</sup>22, BP21, CXL<sup>+</sup>20a, DNN23, FHL<sup>+</sup>22, GRD22, HBSE22, HK20, KZH22, LPZ19, LRB18, MMGC20, MZZG22, MPU<sup>+</sup>23, PAPJ<sup>+</sup>23, QCL<sup>+</sup>23, RLL<sup>+</sup>21, SJR<sup>+</sup>23, WLW<sup>+</sup>21,

XYT<sup>+</sup>22, XYT<sup>+</sup>23, YXH20, ZWB<sup>+</sup>20, ZWL<sup>+</sup>20, ZCH<sup>+</sup>23, ZXXH22, ZCH22, ZHL<sup>+</sup>23, DKC<sup>+</sup>21, KHH22, MS17, WWZL17, WWL<sup>+</sup>20]. **High-bandwidth** [ZZB<sup>+</sup>20]. **High-Level** [GRD22, MMGC20]. **High-Performance** [Ano23c, Ano23d, BFP<sup>+</sup>22, BP21, LRB18, MZZG22, SJR<sup>+</sup>23, XYT<sup>+</sup>23, YXH20, ZXXH22, HK20, ZCH22, DKC<sup>+</sup>21, KHH22]. **High-precision** [ZWL<sup>+</sup>20]. **High-Quality** [LPZ19]. **High-Speed** [HBSE22, KZH22, RLL<sup>+</sup>21]. **High-Throughput** [DNN23]. **Highly** [BHT<sup>+</sup>21, LYZH20, PCW<sup>+</sup>22, ZSM21]. **Hint** [EGBS22]. **Hint-Based** [EGBS22]. **HIRMA** [SJR<sup>+</sup>23]. **Hits** [Gen24]. **HL5** [MMGC20]. **HLS** [CWD<sup>+</sup>21]. **Home** [LXC23, LZH20, Szk21]. **Home-Brew** [Szk21]. **Homomorphic** [AYA<sup>+</sup>23, PS22a]. **Hoplite** [KG17]. **Horizon** [AAC<sup>+</sup>23]. **Host** [OBSB23]. **Hot** [Szk21]. **Hotspot** [CPWG23]. **HPC** [OBB<sup>+</sup>24, PFD21]. **HPCG** [GMFC23]. **HPME** [YXH20]. **HULK** [VTS<sup>+</sup>23]. **HULK-V** [VTS<sup>+</sup>23]. **Hummingbird** [SJYZ22]. **Hunting** [RMR21]. **HW** [BDdD19a, KSSMRB23, RPA22]. **HW/SW** [KSSMRB23]. **Hybrid** [HJ23, KG22b]. **Hyperdimensional** [TBSH22]. **HyperSplit** [PLSK20]. **hypervisor** [CLM<sup>+</sup>22, MP20a, MP20b]. **Hz** [TBK<sup>+</sup>19].

**I/O** [MRGRCR<sup>+</sup>21b]. **ICs** [PKC<sup>+</sup>20]. **Identification** [FAPHD23, HCL<sup>+</sup>21, KGBH22, MGZ<sup>+</sup>23]. **identifying** [KSAL21]. **IEEE** [BBdD17, IEE21, IEE22, IEE23, TBL19, KGC<sup>+</sup>24]. **IEEE-Compliant** [KGC<sup>+</sup>24]. **II** [AHV<sup>+</sup>21, COMP19, HVW<sup>+</sup>21, WAH21]. **ILA** [HZS<sup>+</sup>19]. **Image** [GAO21, SG23]. **Impact** [Cho18, Cho19, KCGL23, VMO<sup>+</sup>23, YLT22, WSMRM20]. **Implantable** [AMG<sup>+</sup>20, GRCRCG<sup>+</sup>20, MRAM<sup>+</sup>23]. **Implement** [LCCS21, VOK<sup>+</sup>22].



**Implementation**

[ABC<sup>+</sup>20, ASE<sup>+</sup>21, CTN18, Cil21, FWZL19, FHD22, GAO21, GSDB18, HHB23, HSWM23, HSEKD21, HMTL21, HM21, ISM<sup>+</sup>23, JSB20, KS22, KKE<sup>+</sup>22, LHC19, LZH20, LNB<sup>+</sup>23, MR22, NRA<sup>+</sup>22, NWP<sup>+</sup>23, NHML<sup>+</sup>22, PDLC18, PSZMM21, QLC20, RRJ<sup>+</sup>21, RSA<sup>+</sup>23, SJR<sup>+</sup>23, SUM23, SAF<sup>+</sup>23, SSB<sup>+</sup>19, SFGB20, SS22, SNOT20, TS20, TT22, TGT<sup>+</sup>23, TA22, VMFL23, WSMRM20, WWGW23, WTS21, WYK21, WHB<sup>+</sup>22, WLC22, YBR<sup>+</sup>23, YNYD23, YTL<sup>+</sup>23, YTÖ21, ZGL<sup>+</sup>21, ZZQ21, DZZZ23, EAI19, GBP21, GG18, KSSMRB23, SCM<sup>+</sup>21, ZJX20]. **Implementations** [KR24, SJER23, DAK<sup>+</sup>21]. **Implemented** [CCC<sup>+</sup>22, FdRES23, EHN23, SMGS22]. **Improved** [LWD20, HK20, JS23]. **Improving** [dAGM23, RAPK23, TLS22, ZZZ<sup>+</sup>23]. **Imputation** [MRB<sup>+</sup>23, MRB<sup>+</sup>24]. **In-Depth** [KNK<sup>+</sup>21]. **In-Hardware** [HLHK19]. **in-network** [DKC<sup>+</sup>21]. **In-Order** [SPDLP<sup>+</sup>22]. **In-System** [WDM22]. **including** [GCL<sup>+</sup>23]. **Increase** [VKG22]. **IndiRA** [TGT<sup>+</sup>23]. **induced** [FKS22]. **Industrial** [CXL<sup>+</sup>20a, YLT<sup>+</sup>23]. **Industry** [EAI19, LKHK23]. **Inevitable** [RK23]. **Inference** [AEAS21, ADF<sup>+</sup>23, DFA<sup>+</sup>23, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, GPV<sup>+</sup>22, GTP<sup>+</sup>22, GDR<sup>+</sup>22, NRB<sup>+</sup>23, OGT<sup>+</sup>20, PMBA19, SB23, TTB22, TBSh22, GRC<sup>+</sup>19]. **Information** [MTAL22, PDLC18, POMD22, SS19, WGZ<sup>+</sup>23]. **Infrastructure** [ZZB<sup>+</sup>20]. **infrastructures** [AAC<sup>+</sup>23]. **ing** [DCM23]. **Injection** [AMRCP21, BWZ<sup>+</sup>21, DXYZ19, ELG20, JRW<sup>+</sup>23, KNK<sup>+</sup>21, LBDPP19, POMD22, WW21]. **Innovating** [CXL<sup>+</sup>20b]. **Input** [TLB<sup>+</sup>22]. **Insertion** [LSB22]. **Insights** [SG23]. **Inst** [RAH<sup>+</sup>19a]. **Inst/s** [RAH<sup>+</sup>19a]. **Instance** [BRH<sup>+</sup>19]. **instantiation** [DL17]. **Instruction** [AKMS21, AP14, CLW23, DAHK20, DDM<sup>+</sup>20, DMR<sup>+</sup>20, FSS20, FHD22, GZC22,

GAMG<sup>+</sup>23, dAGM23, HMJ22, HMJ24, HCZ21, HZS<sup>+</sup>19, JSB20, JZWL23, JHLD21, JHQ23, JRW<sup>+</sup>23, KLP<sup>+</sup>20, KG22c, KGBH22, LPZ19, Liu21, MR22, NDZ<sup>+</sup>21, NKH<sup>+</sup>21, Pat17, PPS<sup>+</sup>19, PMKZ22, QLC20, RHGD21, SNH22, SUAR23, Smi24, TBLD23, WZW<sup>+</sup>19, WZW<sup>+</sup>21, WLI23, WWX<sup>+</sup>24, WA21, WAH21, ZPRD22, ZHC<sup>+</sup>18, ZHX<sup>+</sup>22, ZZL<sup>+</sup>22, Chi23, HYXW22, PKL21, PKKK22, Pat18, RPSD16, WLA<sup>+</sup>13, ZJX20]. **Instruction-Controlled** [SNH22]. **Instruction-Level** [HZS<sup>+</sup>19, KLP<sup>+</sup>20]. **Instruction-Set** [HMJ22]. **Instructions** [BSSW21, CWS<sup>+</sup>24, GCL<sup>+</sup>23, KAMS19, KKEG22, LYL23, MMD<sup>+</sup>22a, NNPG23, PW17b, RZAH<sup>+</sup>19b, KK21, LSB22, LGB17, PJJ21, WWW23]. **Instructions/s** [RZAH<sup>+</sup>19b]. **Insulin** [YBR<sup>+</sup>23]. **INT** [SSB22]. **Integer** [ADF<sup>+</sup>23, PCO<sup>+</sup>23, PMKZ22]. **Integrate** [MMD<sup>+</sup>22a]. **Integrated** [GTCS21, KCZ<sup>+</sup>17, TLB<sup>+</sup>22, TCH23, WCL23, ZSM21, LZW<sup>+</sup>15, MSFK21, WRD<sup>+</sup>17, ZLP<sup>+</sup>15]. **Integrating** [FHY19]. **Integration** [KFGH<sup>+</sup>23, VMO<sup>+</sup>23, ZLC19, ZBA<sup>+</sup>20, HUL<sup>+</sup>22]. **Integrity** [DBGJ19, FHL<sup>+</sup>22, HYML23, TZG<sup>+</sup>23, TA22, ZPRD23, PKKK22]. **Intel** [CKTK22, CKTK23, NGS20, SNOT20, SNOT21]. **Intelligence** [MST<sup>+</sup>23, WCGL23]. **Intelligent** [GCL<sup>+</sup>23, GXLW22, HSR<sup>+</sup>23, LXC23]. **intended** [SGCGCR17]. **Intensive** [LWC18]. **Inter** [KIS20]. **Inter-Chiplet** [KIS20]. **interaction** [AS24]. **Interconnect** [LLL<sup>+</sup>21, EHN23]. **Interface** [GTCS21, KIS20, MST<sup>+</sup>23, NRA<sup>+</sup>22, OPY<sup>+</sup>18, PH17, PH21, ZS23, SNM22]. **Interleaved** [BCM<sup>+</sup>21]. **Interleaved-Multi-Threading** [BCM<sup>+</sup>21]. **Intermittent** [PPYB23]. **Internal** [SNOT20]. **Internet** [DGA<sup>+</sup>17, SCR<sup>+</sup>17]. **Internet-of-Things** [SCR<sup>+</sup>17]. **Interposer** [PKC<sup>+</sup>20]. **Interposer-Based** [PKC<sup>+</sup>20].



**Interpreter** [GVT<sup>+</sup>22]. **interpreters** [KKC<sup>+</sup>16]. **Interrupt** [EHK20, MTCL21]. **Introduction** [Bor23]. **Intrusion** [LXC23]. **Invasive** [TBLD23]. **Investigation** [OCC<sup>+</sup>17]. **INVITED** [DGH19]. **IO** [NAL22]. **IOT** [ZPRD21, ASE<sup>+</sup>21, ABP22, ASH19, BHT<sup>+</sup>21, CTN18, CXLL22, CWS<sup>+</sup>24, CPG<sup>+</sup>23, CRP<sup>+</sup>23, DNKDN<sup>+</sup>24, FRC<sup>+</sup>18, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, GST<sup>+</sup>17, HBSE22, HSR<sup>+</sup>23, LXC23, MLD<sup>+</sup>23, gMCP19, NBT22, PDLC18, SRD<sup>+</sup>21, SSD<sup>+</sup>21, TSABTM20, ZGL<sup>+</sup>21]. **IoT-Driven** [gMCP19]. **IP** [BBVB20, Bis21, BGVB18, HHB<sup>+</sup>19, KHH22, PPS<sup>+</sup>19, PH18, TL22, WDM22, ZCH22]. **IP-XACT** [PPS<sup>+</sup>19, PH18]. **IR** [YLT22]. **Irradiation** [SML<sup>+</sup>22]. **ISA** [AKMS21, AS18, ABP22, AHB20, BPF<sup>+</sup>22, BBVB20, BP21, BGVB18, Chi23, Chi24, FAPHD23, GTC<sup>+</sup>20, GBP21, GMK<sup>+</sup>23, GFB<sup>+</sup>24, IZG22, KGHM23, LCN<sup>+</sup>23, LGB17, LVR<sup>+</sup>20, MAS18, MB16, PRS<sup>+</sup>15, SZHB19, SFGB20, TMR<sup>+</sup>19, TZ22, TBLD23, TEYK21, TYEK21, TML<sup>+</sup>17a, TML<sup>+</sup>17b, TML<sup>+</sup>17c, WA21, WGZ<sup>+</sup>23, YYP<sup>+</sup>22, ZTC21]. **ISA-Level** [FAPHD23]. **ISAs** [KRR22]. **ISE** [MPP21]. **Isolation** [CYJ<sup>+</sup>22, KLP<sup>+</sup>20]. **Issue** [EGBS22, KSRT23, SZHB21]. **ITUS** [KCHYM19].

**Japan** [TBL19]. **JIT** [DCL23]. **July** [BBdD17]. **June** [IEE21, TBL19].

#### Kernel

[GPL22, HYML23, SMOM19, VMFL23]. **Kernels** [TLC<sup>+</sup>24]. **Key** [DNKDN<sup>+</sup>24, MLD<sup>+</sup>23]. **Keys** [DCEJ21]. **Keystone** [SNOT20, SNOT21]. **kHz** [TBK<sup>+</sup>19, WBH<sup>+</sup>18, WBH<sup>+</sup>19]. **Kid** [SEM19]. **Kitten** [GPL22]. **Klessydra** [CSM<sup>+</sup>21]. **Klessydra-T** [CSM<sup>+</sup>21]. **Kyoto** [TBL19].

**LAC** [FSS20]. **Language** [Dos19, Smi24]. **Languages** [WWN23]. **Large** [gMCP19]. **Large-Scaled** [gMCP19]. **Last** [CKTK22, CKTK23]. **Latency** [MLPH23, MST<sup>+</sup>23, RRC<sup>+</sup>20, RHD<sup>+</sup>23]. **Layer** [KYDÖ21, Suv21a, VOK<sup>+</sup>22]. **Layout** [PGTD23]. **Leakage** [Bis21, PAPJ<sup>+</sup>23, POMD22, TBK<sup>+</sup>19, AS24]. **Leakage-Suppression** [TBK<sup>+</sup>19]. **Learn** [LF22]. **Learning** [AEAS21, FHY19, HSL<sup>+</sup>23, RRC<sup>+</sup>20, SLCK21, SSD<sup>+</sup>22, TBR<sup>+</sup>22, KMS22, RCMQO24]. **led** [Chi23]. **Left** [AS22]. **LeNet** [FWZL19]. **LeNet-5** [FWZL19]. **Length** [MAS18]. **Level** [CKTK22, CKTK23, DDM<sup>+</sup>20, FAPHD23, GMS<sup>+</sup>23, GRD22, HYML23, HJ23, HGJD20, HZS<sup>+</sup>19, MMGC20, RHGD21, WTZ<sup>+</sup>20, WGZ<sup>+</sup>23, YLT22, APHD22, CLM<sup>+</sup>22, HGPD20, KLP<sup>+</sup>20, MRGRCR<sup>+</sup>21b]. **Level-1** [DDM<sup>+</sup>20]. **Leverage** [FDM22]. **Leveraging** [RHD<sup>+</sup>23, KG22c]. **Libraries** [FTRH20]. **Library** [GRC<sup>+</sup>19, Liu21, SEG20, SNOT20, Ano20]. **License** [LRF<sup>+</sup>21]. **LiFi** [RSM<sup>+</sup>23]. **LiFi-CFI** [RSM<sup>+</sup>23]. **Light** [RSM<sup>+</sup>23, SLB<sup>+</sup>22, ZSM20, MMR<sup>+</sup>17]. **Light-weight** [RSM<sup>+</sup>23]. **Lightweight** [CRRS22, DBP21, GPL22, GTD<sup>+</sup>23, GJC23, HYWP<sup>+</sup>19, KKK<sup>+</sup>17a, KKK<sup>+</sup>17b, KKK<sup>+</sup>17c, LPB<sup>+</sup>21, LCW<sup>+</sup>24, MCL<sup>+</sup>21, MCL22, MLPH23, MLD<sup>+</sup>23, MÇB22, OBSB23, PHC<sup>+</sup>23, SZHB21, SMJ21, TBSh22, TGMD20, TGMD21, MPP21, MP20a, MP20b]. **Limitations** [RHS<sup>+</sup>22]. **line** [RCS<sup>+</sup>19]. **Linear** [FTRH20, GTD<sup>+</sup>23, ZGD22]. **LinearUCB** [ABM<sup>+</sup>23]. **Linux** [CIPR21, DRN<sup>+</sup>23, ILG19, OBSB23, PS22a, SGP<sup>+</sup>23, SMOM19, VTS<sup>+</sup>23, ZB19]. **Linux-Capable** [OBSB23, CIPR21]. **Linux-Ready** [PS22a, ZB19]. **LIRA** [SMJ21]. **LIRA-V** [SMJ21]. **lite** [DRC<sup>+</sup>16]. **LiteAIR5** [GMS<sup>+</sup>23]. **little** [Lu21b]. **little-core** [Lu21b]. **LLVM**



[RSS<sup>+</sup>21, RSRT19, WY23]. **LLVM-Based** [RSS<sup>+</sup>21, RSRT19]. **Lo-RISK** [PAPJ<sup>+</sup>23]. **Localization** [SJER23]. **Lock** [NKTS23]. **Lock-Step** [NKTS23]. **Lockstep** [SAF<sup>+</sup>23]. **Logic** [EAI19, HLP<sup>+</sup>24, TBK<sup>+</sup>19, AFP<sup>+</sup>17]. **London** [BBdD17]. **Long** [QLC20, GMFC23, VMFL23]. **long-vector** [GMFC23]. **Look** [SMP22]. **Looking** [HGD20a]. **Loop** [OBB<sup>+</sup>24, RHD<sup>+</sup>23]. **Low** [ABP22, BPM<sup>+</sup>21, BPF<sup>+</sup>22, BP21, CCA<sup>+</sup>18a, CCA<sup>+</sup>18b, DCL23, FGD<sup>+</sup>19, GRC<sup>+</sup>19, GZK<sup>+</sup>21, HWG22, KM21, KSRT23, KMB22, LRF<sup>+</sup>21, LHT<sup>+</sup>21, MLPH23, MST<sup>+</sup>23, MRGRCR<sup>+</sup>21b, MRAM<sup>+</sup>23, MDR19, PHC<sup>+</sup>23, PAPJ<sup>+</sup>23, RKH<sup>+</sup>23, RAPK23, RMR21, RHD<sup>+</sup>23, SG23, SLZ<sup>+</sup>20, SED<sup>+</sup>23, SRD<sup>+</sup>21, SSD<sup>+</sup>21, SR22, SLCK21, TBR<sup>+</sup>22, ZCH22, CPL<sup>+</sup>24, DKC<sup>+</sup>21, ERGK21, GBP21, NKTS23, PCL<sup>+</sup>23, SCR<sup>+</sup>17, VTS<sup>+</sup>23, ZWL<sup>+</sup>20]. **Low-Area** [MDR19, SSD<sup>+</sup>21]. **Low-Cost** [BPM<sup>+</sup>21, DCL23, RMR21, SG23, SLZ<sup>+</sup>20, HWG22, RAPK23]. **Low-Latency** [MLPH23, MST<sup>+</sup>23, RHD<sup>+</sup>23]. **Low-level** [MRGRCR<sup>+</sup>21b]. **Low-Overhead** [SR22]. **Low-Power** [GZK<sup>+</sup>21, KSRT23, LRF<sup>+</sup>21, LHT<sup>+</sup>21, MRAM<sup>+</sup>23, MDR19, PHC<sup>+</sup>23, SED<sup>+</sup>23, SRD<sup>+</sup>21, SSD<sup>+</sup>21, DKC<sup>+</sup>21]. **Low-Precision** [BPF<sup>+</sup>22]. **Low-resource** [ZCH22]. **Low-Voltage** [CCA<sup>+</sup>18a, CCA<sup>+</sup>18b]. **LRCN** [LCF23]. **LTE** [WRD<sup>+</sup>17]. **LTE/Wi** [WRD<sup>+</sup>17]. **LTE/Wi-Fi** [WRD<sup>+</sup>17]. **LUT6** [LCG<sup>+</sup>23]. **LUT6/mm2** [LCG<sup>+</sup>23]. **LWE** [ZXXH22].

**M** [LWD20]. **M/T** [LWD20]. **Machine** [AEAS21, LCW<sup>+</sup>24, MST<sup>+</sup>23, SWW<sup>+</sup>21, KKC<sup>+</sup>16, KMS22]. **Main** [ZGG23, GAE<sup>+</sup>23]. **mainframe** [Pat18]. **Management** [AHB20, EHK20, KCZ<sup>+</sup>17, PACB21, SAW<sup>+</sup>20, VOK<sup>+</sup>22, WSK<sup>+</sup>20, GG18]. **Manager** [Suv21b, TCH23]. **MANIC** [GAE<sup>+</sup>23]. **Manipulation** [BSSW21, JSB20, KAMS19]. **Manticore** [ZSB21]. **Manual** [WA21, WAH21]. **Many** [BZVCB23, KHG20, KG22a, OBB<sup>+</sup>24, Chi23]. **Many-Core** [BZVCB23, KHG20, KG22a, OBB<sup>+</sup>24]. **Manycore** [GCL<sup>+</sup>23, KG22b, RZAH<sup>+</sup>19b, RZAH<sup>+</sup>19a]. **Mapping** [APSH<sup>+</sup>22]. **March** [GD19]. **Market** [Gen24, SEM19]. **Marsellus** [CPG<sup>+</sup>23]. **Massively** [Gra16]. **Matching** [TT22]. **Math** [Liu21]. **Matrix** [SSS<sup>+</sup>22, TBR<sup>+</sup>22, ZXXH22, GBP21]. **Matrix-Multiplication** [TBR<sup>+</sup>22]. **Maximizing** [LMP23]. **McEliece** [PGZMG21]. **McPAT** [ZBZ<sup>+</sup>23]. **McPAT-Calib** [ZBZ<sup>+</sup>23]. **MCU** [BPM<sup>+</sup>21, KKH<sup>+</sup>20, LRF<sup>+</sup>21, MGZ<sup>+</sup>23, YLT<sup>+</sup>23, YTL<sup>+</sup>23]. **MCU-Based** [LRF<sup>+</sup>21]. **MCUs** [BB21, TTB22]. **means** [LPB<sup>+</sup>21]. **Measurement** [SNOT21]. **Mechanism** [GLS21]. **Mechanisms** [DBGJ20]. **mediated** [GG18]. **Medical** [AMG<sup>+</sup>20, GRCRCG<sup>+</sup>20, KM21, MRAM<sup>+</sup>23]. **meet** [ZPRD21]. **MEG** [ZZB<sup>+</sup>20]. **Memories** [ZUSK23]. **Memory** [BR24, Cil21, CDW<sup>+</sup>24, DLMP21, GKB<sup>+</sup>22, KAR<sup>+</sup>19, KG22b, KLP<sup>+</sup>20, MST<sup>+</sup>23, MDR19, NAL22, RRC<sup>+</sup>20, RCK<sup>+</sup>24, SB23, SMOM19, TML<sup>+</sup>17a, TML<sup>+</sup>17b, TML<sup>+</sup>17c, TCH23, YXH20, ZZB<sup>+</sup>20, ZHLR22, ZHL<sup>+</sup>23, ZC23, DUM<sup>+</sup>19, GAE<sup>+</sup>23, WRD<sup>+</sup>17]. **memory-based** [WRD<sup>+</sup>17]. **Memory-Constrained** [ZHLR22]. **Memory-Latency-Accuracy** [RRC<sup>+</sup>20]. **Memory/Accelerator** [KG22b]. **MemPool** [VMO<sup>+</sup>23, VMO<sup>+</sup>22]. **Mesh** [RZAH<sup>+</sup>19a]. **Metadata** [VOK<sup>+</sup>22]. **Metal** [TLC<sup>+</sup>24]. **Metamorphic** [RHGD21]. **MetaSys** [VOK<sup>+</sup>22]. **Metering** [WT19]. **Method** [CLWL21, DDM<sup>+</sup>20, DLMP21, GZC22, HCZ21, LHT<sup>+</sup>21, WZW<sup>+</sup>19, ZZZ<sup>+</sup>23]. **Methodologies** [DXT<sup>+</sup>18]. **Methodology** [LLS22, MMA<sup>+</sup>18, RTRM19, RMR21,



XYT<sup>+</sup>22, XYT<sup>+</sup>23, Bar20]. **metrics** [GYW<sup>+</sup>23]. **MHz** [UD18]. **Micro** [BP21, DNKDN<sup>+</sup>24, GRCRCG<sup>+</sup>20, KNK<sup>+</sup>21, MTAL22, MST<sup>+</sup>23, DPV<sup>+</sup>17, RPSD16]. **Micro-Architectural** [MTAL22]. **Micro-Architecture** [BP21, KNK<sup>+</sup>21]. **Micro-Controller** [DNKDN<sup>+</sup>24, GRCRCG<sup>+</sup>20, MST<sup>+</sup>23]. **Microarchitectural** [BB21, CPWG23, Cho18, Cho19, GWZS23, WSG<sup>+</sup>21]. **Microarchitecture** [BSZ<sup>+</sup>21, BSZ<sup>+</sup>24, LHK23, SVM<sup>+</sup>23, TSW<sup>+</sup>23, TAC<sup>+</sup>22, ZBZ<sup>+</sup>23]. **Microarchitectures** [KIS22]. **Microcoded** [KG22c]. **Microcontroller** [DWG<sup>+</sup>20, MDR19, SJR<sup>+</sup>23, DRC<sup>+</sup>16, DGA<sup>+</sup>17, GAE<sup>+</sup>23, HUL<sup>+</sup>22, MRGRCR<sup>+</sup>21a]. **Microcontrollers** [KKE<sup>+</sup>22, RFS20, MRGRCR<sup>+</sup>21b]. **Microprocessor** [CTN18, HSL<sup>+</sup>23, KHS<sup>+</sup>23, PMKZ22, POMD22, QYZ21, SS22, TBK<sup>+</sup>19, UD18, UD20, WT19, WCL23, BMM<sup>+</sup>20, BCM<sup>+</sup>21]. **Microprocessors** [AMRCP21, LWC<sup>+</sup>16]. **MicroRV32** [APHD22]. **Microscopy** [SG23]. **MicroTESK** [CKK<sup>+</sup>18]. **Millimeter** [KKH<sup>+</sup>20]. **Millimeter-wave** [KKH<sup>+</sup>20]. **Milliwatts** [RHD<sup>+</sup>23]. **MiniFloat** [BPF<sup>+</sup>22]. **MiniFloat-NN** [BPF<sup>+</sup>22]. **Minimal** [BKS22, JK20]. **Minimally** [TBLD23]. **MINOTAuR** [GCR<sup>+</sup>23]. **MIPS** [COMP19, MTJ<sup>+</sup>22]. **MIPS-II** [COMP19]. **Mitigate** [KFK<sup>+</sup>19]. **Mitigating** [GLS21]. **Mixed** [BRH<sup>+</sup>19, NRB<sup>+</sup>23, OGT<sup>+</sup>20, CIPR21]. **mixed-criticality** [CIPR21]. **Mixed-Precision** [NRB<sup>+</sup>23, OGT<sup>+</sup>20]. **Mixed-Signal** [BRH<sup>+</sup>19]. **ML** [DEA<sup>+</sup>21, DtEt22, HH23, SJER23]. **ML-Based** [SJER23]. **mm2** [LCG<sup>+</sup>23, LCG<sup>+</sup>23]. **Mobile** [KKH<sup>+</sup>20, USQ<sup>+</sup>22, ZSM20]. **Mode** [HMJ24]. **Model** [DAKK19, JS23, LCF23, MMA<sup>+</sup>18, TML<sup>+</sup>17a, TML<sup>+</sup>17b, TML<sup>+</sup>17c, SC17]. **Modeled** [PPS<sup>+</sup>19]. **Modeling** [GMS<sup>+</sup>23, PH18, RSRT19, ZBZ<sup>+</sup>23]. **Models** [GDR<sup>+</sup>22, TBLD23, TAC<sup>+</sup>22, TDH<sup>+</sup>23, KSAL21]. **Modern** [LF22, MP20a, MP20b]. **Modification** [KCGL23]. **Modular** [BPF<sup>+</sup>22, KAR<sup>+</sup>19, KHG20]. **Module** [TA22, WTZ<sup>+</sup>20, DZZZ23, MRGRCR<sup>+</sup>21b, TDPD<sup>+</sup>21, ZXXH22]. **Module-LWE** [ZXXH22]. **Modules** [AKMS21]. **Monitoring** [CTSG22, DEC<sup>+</sup>18, LYZH20, SMB17, ZHX<sup>+</sup>22]. **Monte** [BFP<sup>+</sup>22]. **MOPS** [GAE<sup>+</sup>23]. **MOPS/mW** [GAE<sup>+</sup>23]. **Morello** [Sew21]. **moreMCU** [SAB22]. **Morpheus** [AHV<sup>+</sup>21, HVW<sup>+</sup>21]. **Motorcycle** [ZS23]. **Moving** [DAKK19]. **MPSoC** [EEI<sup>+</sup>18, LVR<sup>+</sup>20, MSR<sup>+</sup>21, NRA<sup>+</sup>22, NRLH22]. **MPSoCs** [KAR<sup>+</sup>19, KEAS<sup>+</sup>18]. **MRAM** [GAE<sup>+</sup>23, HWJ23, HJ23, ZBA<sup>+</sup>20]. **MRAM-Based** [HWJ23]. **MS** [DUM<sup>+</sup>19]. **Multi** [BKS22, BBV<sup>+</sup>23, BCM<sup>+</sup>21, CXL<sup>+</sup>20a, DKT<sup>+</sup>23, EHK20, GZK<sup>+</sup>21, HWJ23, HSL<sup>+</sup>23, HH23, KYDÖ21, KHS<sup>+</sup>23, LRF<sup>+</sup>21, OCC<sup>+</sup>17, PCO<sup>+</sup>23, PCA<sup>+</sup>24, PNV22, SGP<sup>+</sup>23, TH22, VROdlT22, WTY<sup>+</sup>23]. **Multi-Accelerator** [GZK<sup>+</sup>21]. **Multi-Armed** [DKT<sup>+</sup>23]. **Multi-Core** [BBV<sup>+</sup>23, CXL<sup>+</sup>20a, EHK20, GZK<sup>+</sup>21, HWJ23, LRF<sup>+</sup>21, PCA<sup>+</sup>24, SGP<sup>+</sup>23, TH22, WTY<sup>+</sup>23]. **Multi-Grain** [VROdlT22]. **Multi-Layer** [KYDÖ21]. **Multi-objective** [HH23]. **Multi-Precision** [PCO<sup>+</sup>23, HSL<sup>+</sup>23]. **Multi-Target** [KHS<sup>+</sup>23]. **Multi-tasking** [BKS22]. **Multi-threaded** [OCC<sup>+</sup>17]. **Multicore** [CDF<sup>+</sup>20, DAKK19, IK21b, JHL<sup>+</sup>21, PHC<sup>+</sup>23, PACB21, PGW<sup>+</sup>20, VMO<sup>+</sup>22, VMO<sup>+</sup>23, FKS22, RCMQO24]. **Multiple** [BDdD19b, FGD<sup>+</sup>19, KKEG22]. **Multiple-precision** [BDdD19b]. **Multiplication** [CPLS23, ERGK21, KZH22,



SSS<sup>+</sup>22, TBR<sup>+</sup>22, GBP21]. **Multiplier** [VSD22]. **Multiprecision** [CSZ<sup>+</sup>20]. **multiPULPly** [ERGK21]. **Multirate** [BHR<sup>+</sup>18]. **Multithreaded** [CSM<sup>+</sup>21, EGBS22]. **Mutation** [FAPHD23, HTGD21]. **Mutation-based** [HTGD21]. **Mutation-Classes** [FAPHD23]. **mW** [GAE<sup>+</sup>23].

**Nano** [Ben23, KMB22]. **Nano-Drones** [Ben23]. **Nano-UAV** [KMB22]. **Nanosatellite** [RKH<sup>+</sup>23]. **nanotube** [AFP<sup>+</sup>17]. **NanoWattch** [TLB<sup>+</sup>22]. **Native** [MDPM24, WWN23]. **natural** [SGCGCR17]. **Navigation** [KMB22]. **Near** [CKTK23, GST<sup>+</sup>17, MGZ<sup>+</sup>23, UD20, WCL23, ZZB<sup>+</sup>20, CKTK22]. **Near-data** [ZZB<sup>+</sup>20]. **Near-Sensor** [MGZ<sup>+</sup>23]. **Near-Threshold** [GST<sup>+</sup>17, UD20, WCL23]. **NEC** [GMFC23, VMFL23]. **Negative** [HGD20a]. **NEORV32** [BFC<sup>+</sup>23]. **Network** [ABW<sup>+</sup>21, CRRS22, GRC<sup>+</sup>19, KSAL21, LHD<sup>+</sup>22, LPL22, NRA<sup>+</sup>22, NBT22, RZAH<sup>+</sup>19a, SLMS21, DKC<sup>+</sup>21, HC20, HUL<sup>+</sup>22, TZ22, WWZL17]. **Networks** [ERGK21, GTC<sup>+</sup>20, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, NRB<sup>+</sup>23, RHD<sup>+</sup>23, Suv21b, CRRS21]. **Neumann** [KFK<sup>+</sup>19]. **Neural** [ABW<sup>+</sup>21, CRRS22, ERGK21, GRC<sup>+</sup>19, GTC<sup>+</sup>20, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, KSAL21, LPL22, NRB<sup>+</sup>23, RHD<sup>+</sup>23, CRRS21, HUL<sup>+</sup>22, TZ22]. **Neuromorphic** [FSMU21, MST<sup>+</sup>23, RHD<sup>+</sup>23]. **Neuron** [NBT22]. **Neutral** [LHD<sup>+</sup>22]. **Neutron** [BFC<sup>+</sup>23, CG23, SLK<sup>+</sup>21, SML<sup>+</sup>22, WW19, WWB23, FKS22]. **neutron-induced** [FKS22]. **News** [Gen24, Gre20]. **Next** [CSO<sup>+</sup>23, GD19, Ben23]. **Next-generation** [CSO<sup>+</sup>23, Ben23]. **Night** [CPL<sup>+</sup>24]. **Nile** [DEC<sup>+</sup>18]. **nm** [BRH<sup>+</sup>19, CSZ<sup>+</sup>20, CCA<sup>+</sup>18a, KCZ<sup>+</sup>17, LCG<sup>+</sup>23, MSFK21, NWP<sup>+</sup>23, PCO<sup>+</sup>23, RZAH<sup>+</sup>19b, SAW<sup>+</sup>20, SWW<sup>+</sup>22, UD18, UD20, WBH<sup>+</sup>18, WBH<sup>+</sup>19, WSK<sup>+</sup>20, WCL23, ZB19, ZLP<sup>+</sup>16, ZCNA17]. **NN** [BPF<sup>+</sup>22, GRC<sup>+</sup>19]. **NoC** [EEI<sup>+</sup>18, KG17, KEAS<sup>+</sup>18, NRA<sup>+</sup>22, PKC<sup>+</sup>20]. **NoC-Based** [EEI<sup>+</sup>18, KEAS<sup>+</sup>18]. **NoC-MPSoC** [NRA<sup>+</sup>22]. **Node** [CPG<sup>+</sup>23, RRC<sup>+</sup>20]. **Nodes** [GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, SRD<sup>+</sup>21]. **NOEL** [And20, SAF<sup>+</sup>23, dOK23]. **NOEL-V** [And20, SAF<sup>+</sup>23, dOK23]. **Non** [DDM<sup>+</sup>20, KGHRM23, MTT21]. **Non-Binary** [KGHRM23]. **Non-Blocking** [DDM<sup>+</sup>20]. **Non-Volatile** [MTT21]. **Nonlinear** [BKdLSGL23]. **Nonvolatile** [SNH22, ZUSK23]. **Novel** [DDM<sup>+</sup>20]. **NTT** [KZH22, PS22a]. **NTT-Based** [KZH22]. **Number** [JZWL23, KA20, KRR22, MSSS23, NDZ<sup>+</sup>21, RKRF21]. **Numerics** [BDdD19a]. **NVDLA** [FHY19, FWZL19]. **NVIDIA** [FHY19]. **NvMISC** [ZUSK23]. **nW** [TBK<sup>+</sup>19, TLB<sup>+</sup>22].

**O** [MRGRCR<sup>+</sup>21b]. **Obfuscation** [WZW<sup>+</sup>19]. **object** [ZZW<sup>+</sup>19]. **objective** [HH23]. **obtained** [BCM<sup>+</sup>21]. **off** [GG18, MTJ<sup>+</sup>22]. **Offs** [RRC<sup>+</sup>20, ZHLR22]. **On-Board** [CDF<sup>+</sup>20, RKH<sup>+</sup>23, ZSM21]. **On-Chip** [DCM23, GPV<sup>+</sup>22, GTP<sup>+</sup>22, OBB<sup>+</sup>24, RZAH<sup>+</sup>19a, WSK<sup>+</sup>20]. **On-line** [RCS<sup>+</sup>19]. **On-Sensor** [SED<sup>+</sup>23]. **Onboard** [CGG21, DBP21]. **One** [DNKDN<sup>+</sup>24, KG22c]. **One-Pass** [DNKDN<sup>+</sup>24]. **Online** [GKB<sup>+</sup>22, SJER23]. **Oolong** [MB16]. **Open** [ABC<sup>+</sup>20, APHD21b, Ano23c, Ben23, BPF<sup>+</sup>22, BCZ21a, CTN18, CKP19, CSO<sup>+</sup>23, DXT<sup>+</sup>18, EMMB19, FTRH20, Gen24, GCCR21, HCW23, HLHK19, HHB<sup>+</sup>19, ILG19, JHL<sup>+</sup>21, LNA21, MMD<sup>+</sup>22b, MMD<sup>+</sup>22c, MFM<sup>+</sup>19, NNPG23, PW17a, PFD21, PCW<sup>+</sup>22, PCO<sup>+</sup>23, PCA<sup>+</sup>24, PGW<sup>+</sup>20, SAF<sup>+</sup>23, SSR<sup>+</sup>18, VOK<sup>+</sup>22, WW21, WSG<sup>+</sup>21, ZWB19, APHD22, DAK<sup>+</sup>21, GYW<sup>+</sup>23, HGTD21, Pat18, SCL<sup>+</sup>21, TZPL21, TSABTM20]. **Open-Source** [ABC<sup>+</sup>20, Ano23c, CKP19,



DXT<sup>+</sup>18, FTRH20, Gen24, HLHK19, HHB<sup>+</sup>19, LNA21, MMD<sup>+</sup>22b, MMD<sup>+</sup>22c, PCO<sup>+</sup>23, PCA<sup>+</sup>24, PGW<sup>+</sup>20, SSR<sup>+</sup>18, WSG<sup>+</sup>21, VOK<sup>+</sup>22, DAK<sup>+</sup>21, GYW<sup>+</sup>23, HGTD21, SCL<sup>+</sup>21, TZPL21]. **OpenASIP** [HMJ22]. **OpenCL** [ETR<sup>+</sup>20]. **OpenCV** [KSAL21]. **openKylin** [WLY<sup>+</sup>22]. **OpenLane** [HSEKD21]. **Operable** [TLB<sup>+</sup>22]. **Operating** [BKS22, GPL22, MSDM23, WSMRM20]. **Operation** [CCA<sup>+</sup>18b, WCL23]. **Operations** [TLC<sup>+</sup>24, CRRS21]. **Opportunities** [LVPSB<sup>+</sup>23]. **Optical** [KMB22, PAPJ<sup>+</sup>23]. **Optimal** [OCC<sup>+</sup>17]. **Optimisation** [HH23, WWW23]. **optimised** [PJJ21]. **Optimization** [BSSW21, BB21, HWJ23, Liu21, Zha22, GMFC23]. **Optimizations** [KCGL23, VOK<sup>+</sup>22, CLC<sup>+</sup>20]. **Optimized** [CPLS23, DPP22, KS22, KKE<sup>+</sup>22, PSS23, PSM23, SLBJ23, CSM22, HUL<sup>+</sup>22, KK21, MFM<sup>+</sup>19]. **Optimizing** [LVR<sup>+</sup>20, TTB22, WWX<sup>+</sup>24]. **Optimum** [RSA<sup>+</sup>23, KSAL21]. **Order** [Ano23a, Ant22, CPWG23, CXL<sup>+</sup>20a, CCA<sup>+</sup>18a, CCA<sup>+</sup>18b, DDM<sup>+</sup>20, GZ22, LHD<sup>+</sup>21, MFM<sup>+</sup>19, SGP<sup>+</sup>23, SSB22, SPDLP<sup>+</sup>22, ZTC21, PRS<sup>+</sup>15, RPD<sup>+</sup>15]. **organisation** [SC17]. **Organization** [LF22, OCC<sup>+</sup>17, PH17, PH21]. **Oriented** [GVT<sup>+</sup>22, KGBH22]. **Original** [GTD<sup>+</sup>23]. **Orthogonal** [WZW<sup>+</sup>19]. **OSEK** [DL17]. **OSEK-V** [DL17]. **OTA** [SCL<sup>+</sup>21]. **Out-of-Order** [Ano23a, Ant22, CPWG23, CXL<sup>+</sup>20a, CCA<sup>+</sup>18a, CCA<sup>+</sup>18b, DDM<sup>+</sup>20, GZ22, LHD<sup>+</sup>21, MFM<sup>+</sup>19, SGP<sup>+</sup>23, SSB22, ZTC21, RPD<sup>+</sup>15]. **Overhead** [SR22]. **Overlay** [BCCM21]. **Overlays** [VROdlT22]. **Overview** [APHD21a, HHB<sup>+</sup>19]. **Own** [Szk21]. **P** [CLC<sup>+</sup>20]. **P870** [Ano23d]. **Pacemaker** [YNYD23]. **Packed** [LYL23, YCL<sup>+</sup>23]. **Packed-SIMD** [LYL23]. **Packet** [PLSK20, DKC<sup>+</sup>21, WWZL17]. **Parallel** [GRC<sup>+</sup>19, Gra16, MAS18, MGZ<sup>+</sup>23, NRB<sup>+</sup>23, OBB<sup>+</sup>24, RCMQO24, ZHL<sup>+</sup>23, HC20]. **Parallel-Execution-Unit** [MAS18]. **Parallelization** [BZVCB23]. **Parallelizing** [KMB22]. **Partial** [CMV21, CKTG21, WW21]. **Partitioning** [RHS<sup>+</sup>22]. **Pass** [DNKDN<sup>+</sup>24, AFP<sup>+</sup>17]. **Password** [XZW<sup>+</sup>22]. **patches** [HUL<sup>+</sup>22]. **Path** [RKRF21]. **Paths** [KRR22]. **Pattern** [TT22]. **Patterns** [MTT21]. **Paving** [BFP<sup>+</sup>22]. **Payment** [ZSM20]. **PCI** [Lu22]. **PCI-E** [Lu22]. **PCIe** [CRM<sup>+</sup>23]. **PCs** [LF22]. **Penetration** [CXLL22]. **Perception** [MST<sup>+</sup>23]. **Perceptron** [KYDÖ21]. **PERCIVAL** [MMD<sup>+</sup>22b, MMD<sup>+</sup>22c, MDPM24]. **Perf** [SNOT21]. **Performance** [AS22, Ano23c, Ano23d, BFP<sup>+</sup>22, Bis21, BP21, CXL<sup>+</sup>20a, CTSG22, DDM<sup>+</sup>20, DRN<sup>+</sup>23, FHL<sup>+</sup>22, HGD20b, JBK23, LYZH20, LRB18, MAS18, MZZG22, MPU<sup>+</sup>23, MÇB22, PAPJ<sup>+</sup>23, QCL<sup>+</sup>23, SJR<sup>+</sup>23, SSS<sup>+</sup>22, SSB22, SMB17, SNOT20, SNOT21, TZS<sup>+</sup>21, TLB<sup>+</sup>22, UD18, VMO<sup>+</sup>22, VMO<sup>+</sup>23, WLW<sup>+</sup>21, XYT<sup>+</sup>22, XYT<sup>+</sup>23, YXH20, YLT22, ZB19, ZGMD22, ZGD22, ZCH<sup>+</sup>23, ZXXH22, CSM22, DKC<sup>+</sup>21, HK20, JS23, KHH22, MS17, SAB24, TLS22, WWL<sup>+</sup>20, ZCH22]. **PERI** [TGRK19, TGRK21]. **Periodical** [DWG<sup>+</sup>20]. **Periodical-Driven** [DWG<sup>+</sup>20]. **peripheral** [EHN23]. **peRISCVcope** [GVT<sup>+</sup>22]. **Perspective** [CDP<sup>+</sup>22, SMP22, AAC<sup>+</sup>23]. **Petaflop** [SB23]. **Phalanx** [Gra16]. **Photon** [SG23]. **Photovoltaic** [TLB<sup>+</sup>22]. **Physical** [APHD21b, GKB<sup>+</sup>22, HYML23, LHK23, MST<sup>+</sup>23, NWP<sup>+</sup>23, NAL22, WSUM19]. **Physical-Aware** [LHK23]. **PIC** [SG23]. **PicoRio** [TZPL21]. **PicoRV32** [JBK23]. **Pipeline** [CXL<sup>+</sup>20a, EGBS22, OCC<sup>+</sup>17, ZZZ21, GMV20, MG22, YTL<sup>+</sup>23]. **Pipelined** [DPP22, PMKZ22, PNV22, QCL<sup>+</sup>23, TGT<sup>+</sup>23]. **pipelining** [CSM22].



**PIPO** [KS22]. **pJ** [UD18]. **pJ/Cycle** [UD18]. **Plate** [LRF<sup>+</sup>21]. **Platform** [AKMS20, APHD21b, Ben23, BWP22, BHT<sup>+</sup>21, CSO<sup>+</sup>23, EMMB19, GGH<sup>+</sup>22, IFO<sup>+</sup>18, JHL<sup>+</sup>21, KG22c, LCYK20, LCF23, gMCP19, NGS20, OBSB23, QYZ21, SAB22, WTZ<sup>+</sup>20, WYK21, WWN23, WMA<sup>+</sup>21, WMR<sup>+</sup>22, ZHLR22, ZUSK23, APHD22, DGA<sup>+</sup>17, FKS22, HGPD20, HGTD21].  
**Platforms** [Ano21, MSP23, WWX<sup>+</sup>24, CIPR21]. **PLL** [RZAH<sup>+</sup>19b, RZAH<sup>+</sup>19a]. **Plug** [OBSB23]. **Plug-In** [OBSB23]. **Pluggable** [MC22]. **Pluggy** [MKM20]. **PMP** [TLC<sup>+</sup>24]. **Point** [AVS<sup>+</sup>22, Ano20, BPM<sup>+</sup>21, CSZ<sup>+</sup>20, CPLS23, GFB<sup>+</sup>24, MSZB19, PSS23, PCO<sup>+</sup>23, SEG20, ZSB21, ZZQ21, Liu21, PRS<sup>+</sup>15, YCL<sup>+</sup>23, YWZL22, ZSB20, ZG22, BDdD19b]. **Pointers** [GM21]. **Points** [JXYZ19]. **Poisoning** [AVS<sup>+</sup>22]. **PolarFire** [DXYZ19]. **Policy** [HWJ23, SSS<sup>+</sup>22]. **Polynomial** [KZH22, WMGD23]. **popularity** [Chi23]. **Portable** [BCZ21a, LYL23, WHB<sup>+</sup>22]. **Porting** [GPL22, Zha22]. **Portland** [IEE23]. **Posit** [CLR<sup>+</sup>21b, CLR<sup>+</sup>21a, CRRS22, KK23, MSSS23, MMD<sup>+</sup>22a, MMD<sup>+</sup>22b, MMD<sup>+</sup>22c, MDPM24, SJM<sup>+</sup>20, TGRK19, TGRK21, CRRS21, SJP<sup>+</sup>23]. **Post** [EKAK22, FSMG<sup>+</sup>19, FSS20, GJC23, HBSE22, KSFS24, KGHRM23, LKKK22, NDZ<sup>+</sup>21, PGTD23, PGZMG21, RFS20, TH22, XHY<sup>+</sup>20, ZKS<sup>+</sup>23, MRGRCR<sup>+</sup>21a]. **Post-Layout** [PGTD23]. **Post-Quantum** [EKAK22, FSMG<sup>+</sup>19, FSS20, GJC23, HBSE22, KSFS24, KGHRM23, LKKK22, PGZMG21, RFS20, XHY<sup>+</sup>20, ZKS<sup>+</sup>23]. **Post-Silicon** [TH22, MRGRCR<sup>+</sup>21a]. **Potential** [LMP23]. **Power** [ABP22, BP21, DHL<sup>+</sup>21, GRC<sup>+</sup>19, GZK<sup>+</sup>21, KM21, KCZ<sup>+</sup>17, KSRT23, KMB22, LRF<sup>+</sup>21, LHT<sup>+</sup>21, MRAM<sup>+</sup>23, MDR19, OBB<sup>+</sup>24, PCL<sup>+</sup>23, PHC<sup>+</sup>23, PPYB23, SED<sup>+</sup>23, SRD<sup>+</sup>21, SAW<sup>+</sup>20, SSD<sup>+</sup>21, Smi24, SLCK21, SKK<sup>+</sup>22, TBR<sup>+</sup>22, TDH<sup>+</sup>23, WSK<sup>+</sup>20, YLT22, ZBZ<sup>+</sup>23, CPL<sup>+</sup>24, DKC<sup>+</sup>21, ERGK21, GBP21, SCR<sup>+</sup>17, VTS<sup>+</sup>23, WTY<sup>+</sup>23, ZWL<sup>+</sup>20]. **Powered** [TLB<sup>+</sup>22, AAC<sup>+</sup>23]. **PPMU** [CTSG22]. **Practical** [MKVD23, VOK<sup>+</sup>22]. **Precision** [AWB<sup>+</sup>23, BPF<sup>+</sup>22, BDdD19a, CRP<sup>+</sup>23, GFB<sup>+</sup>24, KGC<sup>+</sup>24, LCN<sup>+</sup>23, NRB<sup>+</sup>23, OGT<sup>+</sup>20, PCO<sup>+</sup>23, RSR21, YCL<sup>+</sup>23, BDdD19b, HSL<sup>+</sup>23, LWA<sup>+</sup>14, ZWL<sup>+</sup>20]. **Precision-Scalable** [CRP<sup>+</sup>23]. **Predictability** [GCCR21]. **Predictable** [GCR<sup>+</sup>23]. **Prediction** [BWP22, SLCK21]. **Predictor** [CSM22]. **PRESENT** [TGMD21]. **Preventing** [ARH<sup>+</sup>22]. **Prevention** [WSG<sup>+</sup>21]. **PRINCE** [MCL22]. **Principle** [KG22c]. **Printer** [YLT<sup>+</sup>23]. **Privilege** [TZG<sup>+</sup>23]. **Privileged** [WAH21]. **Proceedings** [IEE23, GD19, IEE21, IEE22]. **Process** [HMTL21]. **Processing** [AvAG21, ABP22, CCC<sup>+</sup>19, CGG21, CRRS22, GAO21, HWG22, MSSS23, PCA<sup>+</sup>24, RMF22, SG23, SED<sup>+</sup>23, Su21, ZB19, ZZB<sup>+</sup>20, DKC<sup>+</sup>21, KHH22, WWZL17]. **Processor** [ABM<sup>+</sup>23, Ano23a, Ano23c, Ano23d, Ano23g, ABW<sup>+</sup>20, ABW<sup>+</sup>21, ADF<sup>+</sup>23, BBV<sup>+</sup>23, BZVCB23, BBVB20, BHD23, CCC<sup>+</sup>22, CDF<sup>+</sup>20, CSZ<sup>+</sup>20, CV22, CXL<sup>+</sup>20a, CLWL21, CKTK22, CKTK23, CPLS23, CCA<sup>+</sup>18a, CCA<sup>+</sup>18b, Cho18, Cho19, DAPS21, DDM<sup>+</sup>20, DPP22, DKT<sup>+</sup>23, DCC<sup>+</sup>23, DFA<sup>+</sup>23, FDS<sup>+</sup>23, GM21, GZ22, GDR<sup>+</sup>22, GJC23, GSDB18, HHB23, HCW23, HGJD20, HHB<sup>+</sup>19, HCZ21, IFO<sup>+</sup>18, IK21b, JK20, KIS20, KFK<sup>+</sup>19, KCZ<sup>+</sup>17, KKOY19, KYDÖ21, KKEG22, KK23, LCCS21, LBDPP19, LHD<sup>+</sup>21, LHC19, LHT<sup>+</sup>21, LNA21, LZH20, LLL<sup>+</sup>21, MLPH23, MSZB19, MMGC20, MFM<sup>+</sup>19, MAS18, MZZG22, MKB<sup>+</sup>23, Mis22, gMCP19, NHML<sup>+</sup>22, NBT22, OCMP19, OCC<sup>+</sup>17, OGT<sup>+</sup>20, PSS23, PCL<sup>+</sup>23, PHC<sup>+</sup>23, PNSD20, PPS<sup>+</sup>19, PH18, PCW<sup>+</sup>22,



PCO<sup>+</sup>23, PCA<sup>+</sup>24, PSZMM21, PMBA19, PNV22, QCL<sup>+</sup>23, RKH<sup>+</sup>23, RHGD21, RZAH<sup>+</sup>19b, RZAH<sup>+</sup>19a, RCS<sup>+</sup>19, SGP<sup>+</sup>23, SUM23, SLZ<sup>+</sup>20, SWW<sup>+</sup>22, SSD<sup>+</sup>21, SR22, SFGB20, SPDLP<sup>+</sup>22, SLB<sup>+</sup>22]. **Processor** [SLCK21, TS20, TBSh22, TT22, TGT<sup>+</sup>23, TCH23, VROdlT22, WDM22, WTS21, WMGD23, WW19, WSK<sup>+</sup>20, XHY<sup>+</sup>20, ZLC19, ZTC21, ZWB19, ZGL<sup>+</sup>21, ZGD22, ZGC23, ZXXH22, ZCH22, ZLP<sup>+</sup>16, ZCNA17, ZC23, dOTB<sup>+</sup>20, dOK23, AvAG21, AFP<sup>+</sup>17, BGVB18, CMV21, CPL<sup>+</sup>24, CSM22, DUM<sup>+</sup>19, DPV<sup>+</sup>17, DZZZ23, DAK<sup>+</sup>21, EHN23, FvHC<sup>+</sup>23, GAE<sup>+</sup>23, GMV20, GYW<sup>+</sup>23, HK20, HYXW22, KK21, KHH22, KMS22, LHD<sup>+</sup>22, LWA<sup>+</sup>14, LZW<sup>+</sup>15, LPB<sup>+</sup>21, LSB22, MS17, MB16, MMR<sup>+</sup>17, RPD<sup>+</sup>15, RPSD16, SJYZ22, YWZL22, ZLP<sup>+</sup>15, ZCNA16]. **processor-based** [YWZL22]. **processor-micro-architecture** [RPSD16]. **Processors** [AAB<sup>+</sup>23, BWZ<sup>+</sup>21, BHT<sup>+</sup>21, CAL23, CRRS23, DEA<sup>+</sup>21, DtEt22, DMR<sup>+</sup>20, FdRES23, FSMG<sup>+</sup>19, GTC<sup>+</sup>20, GMK<sup>+</sup>23, HLHK19, HMJ22, HDT<sup>+</sup>20, KG22a, KGC<sup>+</sup>24, KS22, KKE<sup>+</sup>22, LPZ19, MSP23, MTCL21, MSJ19, OPY<sup>+</sup>18, OBB<sup>+</sup>24, PPYB23, RSR21, RTRM19, RMP<sup>+</sup>19, RMR21, SAW<sup>+</sup>20, SUAR23, Szk21, WSUM19, WW21, WWB23, XYT<sup>+</sup>22, XYT<sup>+</sup>23, YYP<sup>+</sup>22, ZGMD22, ZCH<sup>+</sup>23, Bar20, KKC<sup>+</sup>16, NKTS23, RCMQO24]. **Product** [CXL<sup>+</sup>20a, KBBA17]. **Prof5** [SCA<sup>+</sup>22]. **profiler** [SCA<sup>+</sup>22]. **Program** [CKK<sup>+</sup>18]. **Programmable** [Ant22, CTSG22, DEC<sup>+</sup>18, EAI19, HCL<sup>+</sup>21, Lu22, PLH<sup>+</sup>22, SAW<sup>+</sup>20, TSS<sup>+</sup>22]. **Programming** [BBV<sup>+</sup>23, Bor23, HLP<sup>+</sup>24, KGBH22, Smi24, WDM22, WWN23]. **Programs** [WY23, ZPRD23]. **Progress** [HWG22, Liu21]. **Project** [AAC<sup>+</sup>23]. **Projects** [RBK18]. **Propagated** [LHT<sup>+</sup>21]. **Properties** [CAL23]. **Proposal** [KKOY19]. **Prospects** [RHS<sup>+</sup>22]. **protected** [SGCGCR17]. **Protecting** [AHV<sup>+</sup>21, DGH19, HVW<sup>+</sup>21, WSUM19]. **Protection** [Bis21, DBGJ20, DCEJ21, GKB<sup>+</sup>22, HYML23, NAL22, RTRM19, RSM<sup>+</sup>23, TGMD21]. **Protocol** [DCM23]. **Proton** [dOK23]. **Prototype** [FHD22, HGLD18, ZWL<sup>+</sup>23, DPV<sup>+</sup>17, HGPD20]. **Prototypes** [HGLD19, HGTD20, HGD20b, HGTD21]. **Pruned** [MKB<sup>+</sup>23]. **Public** [MLD<sup>+</sup>23]. **Public-Key** [MLD<sup>+</sup>23]. **PUF** [MSFK21]. **PULP** [GRC<sup>+</sup>19]. **PULP-NN** [GRC<sup>+</sup>19]. **Pump** [YBR<sup>+</sup>23]. **purpose** [MRGRCR<sup>+</sup>21b, TZ22]. **PUSCH** [BZVCB23]. **PVT** [TLS22]. **PWM** [PSM23]. **PYNQ** [SSD<sup>+</sup>22]. **Pytorch** [KSAL21]. **Q** [Raj21]. **QEMU** [AKMS20, Hor21a]. **Quad** [SR22]. **Quad-Core** [SR22]. **Qualification** [FAPHD23]. **Quality** [LPZ19, SMOM19]. **Quantitative** [ZZZ<sup>+</sup>23]. **Quantized** [ADF<sup>+</sup>23, DFA<sup>+</sup>23, GRC<sup>+</sup>19, GTC<sup>+</sup>20, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, NRB<sup>+</sup>23]. **Quantum** [EKAK22, FSMG<sup>+</sup>19, FSS20, GJC23, HBSE22, KSFS24, KGHM23, LKKK22, NDZ<sup>+</sup>21, PGZMG21, RFS20, XHY<sup>+</sup>20, ZKS<sup>+</sup>23]. **Quark** [ADF<sup>+</sup>23, NWP<sup>+</sup>23]. **Quire** [MMD<sup>+</sup>22a, MMD<sup>+</sup>22b, MMD<sup>+</sup>22c, SJP<sup>+</sup>23]. **quire-enabled** [SJP<sup>+</sup>23]. **race** [SCR<sup>+</sup>17]. **Radiation** [BFC<sup>+</sup>23, CG23, SLK<sup>+</sup>21, WW19, WWB23, dOTB<sup>+</sup>20]. **Radio** [AHB20, PACB21]. **Radix** [HSE<sup>+</sup>24]. **Radix-4** [HSE<sup>+</sup>24]. **RAE** [WWL<sup>+</sup>20]. **RAM** [DXYZ19]. **Random** [APHD21a, DHL<sup>+</sup>21, TTB22, TTDD21, LSB22]. **Randomization** [ZZL<sup>+</sup>22]. **Randomized** [JRW<sup>+</sup>23]. **Range** [UD18]. **RANTT** [KA20]. **Rapid** [GGH<sup>+</sup>22, LPZ19]. **RAS** [ZZZ<sup>+</sup>23]. **Rate** [ZHL<sup>+</sup>23]. **Rates** [YLC21]. **Raven** [LZW<sup>+</sup>15]. **Razor** [VKG22]. **Reader** [PW17a]. **Ready**



[PS22a, ZB19, CDP<sup>+</sup>22]. **Real** [APSH<sup>+</sup>22, BB21, HSWM23, HCL<sup>+</sup>21, KFGH<sup>+</sup>23, LHD<sup>+</sup>21, LHC<sup>+</sup>21, LCF23, MSDM23, PLH<sup>+</sup>22, WBH<sup>+</sup>18, WBH<sup>+</sup>19, ZHX<sup>+</sup>22].

#### **Real-Time**

[HSWM23, KFGH<sup>+</sup>23, LHD<sup>+</sup>21, LHC<sup>+</sup>21, MSDM23, PLH<sup>+</sup>22, WBH<sup>+</sup>18, WBH<sup>+</sup>19, ZHX<sup>+</sup>22, APSH<sup>+</sup>22, BB21, HCL<sup>+</sup>21, LCF23].

#### **REALISE** [MLD<sup>+</sup>23]. **REALISE-IoT**

[MLD<sup>+</sup>23]. **Reality** [SED<sup>+</sup>23]. **Realization** [DNKDN<sup>+</sup>24, NAL22]. **Reason** [TDPD<sup>+</sup>21].

#### **Recognition**

[GXLW22, LRF<sup>+</sup>21, ZWL<sup>+</sup>20, DZZZ23].

#### **Recommendation** [DEA<sup>+</sup>21, DtEt22].

**Reconfigurable** [DAHK20, LYZH20, gMCP19, SR22, Suv21b, VROdlT22, WLI23, ZLC19, SAB22, WRD<sup>+</sup>17].

#### **Reconfiguration**

[ABM<sup>+</sup>23, CMV21, CKTG21, WW21].

#### **reconstruction** [Sah23]. **Recovering**

[MTAL22]. **Recovery** [DBP21, XZW<sup>+</sup>22].

#### **Recurrence** [HSE<sup>+</sup>24]. **RedMule**

[TBR<sup>+</sup>22]. **Reduced** [Pat17]. **Reducing**

[MTT21]. **Reduction** [ZCNA17, ZCNA16].

#### **Redundancy** [ZCNA17, ZCNA16].

#### **Redundant** [KRR22, RKRF21]. **Reference**

[MMA<sup>+</sup>18]. **Register** [AKMS21]. **Registers**

[LBDPP19, MTT21, SZHB21]. **Regression**

[ZGD22]. **Regulator** [WCL23]. **Relaxed**

[HLP<sup>+</sup>24]. **Reliability**

[AAA<sup>+</sup>21, AMRCP21, ISM<sup>+</sup>23, LNZ<sup>+</sup>22, RAPK23, WSMRM20]. **Reliable**

[FSMG<sup>+</sup>19, MMA<sup>+</sup>18]. **Remote**

[SMJ21, WWL<sup>+</sup>20]. **Rendering**

[TSS<sup>+</sup>22, ZJX20]. **Replacement** [SSS<sup>+</sup>22].

#### **Replication** [DAPS21]. **Reprogrammable**

[ZCNA16, ZCNA17]. **Research**

[CXLL22, GZ22, GGH<sup>+</sup>22, HCW23, LPL22, TEYK21, WDM22, APHD22]. **resilience**

[BMM<sup>+</sup>20]. **Resiliency** [CCA<sup>+</sup>18a].

#### **Resilient**

[CCA<sup>+</sup>18b, DBP21, NRLH22, WCL23].

#### **Resisted** [DHL<sup>+</sup>21]. **Resolution**

[WBH<sup>+</sup>18, WBH<sup>+</sup>19]. **Resource**

[AHB20, ET21, dAGM23, IK21b, JBK23, PACB21, SCL<sup>+</sup>21, ZCH22].

#### **Resource-Constrained**

[ET21, dAGM23, JBK23]. **Retargeting**

[COMP19]. **Retirement** [KKEG22].

#### **Return** [KGBH22]. **Return-Oriented**

[KGBH22]. **Reuse** [ZHL<sup>+</sup>23]. **Review**

[WCGL23, SFAAL22]. **revolutionary**

[GG18]. **revolutionize** [Gre20]. **RF**

[KKH<sup>+</sup>20]. **RFID** [IFO<sup>+</sup>18]. **Rich**

[SNOT21]. **RIMI** [KLP<sup>+</sup>20]. **RISC** [And20,

Ano23b, BDdD19b, BFC<sup>+</sup>23, CKTG21,

Cho19, EHK20, KFGH<sup>+</sup>23, MTAL22,

RZAH<sup>+</sup>19b, TLB<sup>+</sup>22, WY23, dOK23,

ABC<sup>+</sup>20, AAA<sup>+</sup>21, ASE<sup>+</sup>21, AKMS20,

AKMS21, AS22, APHD21a, APHD21b,

APHD22, APSH<sup>+</sup>22, AEAS21, AvAG21,

AS18, AAC<sup>+</sup>23, AFP<sup>+</sup>17, ABP22, AAB<sup>+</sup>23,

AHB20, ABM<sup>+</sup>23, ARH<sup>+</sup>22, Ano20, Ano22,

Ano23a, Ano23c, Ano23d, Ano23f, Ano23g,

Ant22, AMRCP21, AMG<sup>+</sup>20, AS24, AP14,

ABW<sup>+</sup>20, ABW<sup>+</sup>21, AWB<sup>+</sup>23, ADF<sup>+</sup>23,

ASH19, AHV<sup>+</sup>21, AYA<sup>+</sup>23, BKS22,

BBV<sup>+</sup>23, BSSW21, BSZ<sup>+</sup>21, BWZ<sup>+</sup>21,

BSZ<sup>+</sup>24, BHR<sup>+</sup>18, BRH<sup>+</sup>19, BB21,

BMM<sup>+</sup>20, BCM<sup>+</sup>21, BJN23, Bar20,

BFP<sup>+</sup>22, BKdLSGL23, BCCM21, Ben23,

BPM<sup>+</sup>21, BPF<sup>+</sup>22, BZVCB23, BBVB20,

BP21, Bor23, BPS<sup>+</sup>23, BWP22, BCZ21a,

BCZ21b, BF23, BR24, BHGD21, BHD23,

BHT<sup>+</sup>21, BGVB18, CCC<sup>+</sup>22, CIPR21,

CTN18, CXLL22, CCC<sup>+</sup>19, CGG21, CG23,

CDF<sup>+</sup>20, CDP<sup>+</sup>22, CRMR<sup>+</sup>23, CMV21].

**RISC** [CSZ<sup>+</sup>20, CV22, CPWG23, CLC<sup>+</sup>20,

CXL<sup>+</sup>20a, CXL<sup>+</sup>20b, CWD<sup>+</sup>21, CLWL21,

CKTK22, CYJ<sup>+</sup>22, CKTK23, CPLS23,

CWS<sup>+</sup>24, Chi23, CCA<sup>+</sup>18a, CCA<sup>+</sup>18b,

Cho18, CPL<sup>+</sup>24, CSM22, CAL23, CKK<sup>+</sup>18,

CKP19, COMP19, Cil21, CRRS21, CRRS22,

CPG<sup>+</sup>23, CRP<sup>+</sup>23, CTSG22, CLW23,

CSO<sup>+</sup>23, DNKDN<sup>+</sup>24, DAHK20, DHL<sup>+</sup>21,

DNN23, DUM<sup>+</sup>19, DBP21, DXT<sup>+</sup>18,

DBGJ19, DBGJ20, DG22, DGH19, DAPS21,

DCM23, DCEJ21, DYZ<sup>+</sup>22, DPV<sup>+</sup>17,



DDM<sup>+</sup>20, DPP22, DKC<sup>+</sup>21, DKT<sup>+</sup>23, DZZZ23, DEA<sup>+</sup>21, DtEt22, DCC<sup>+</sup>23, DRN<sup>+</sup>23, DXYZ19, DK23, DAK<sup>+</sup>21, DKA<sup>+</sup>22, Dos19, DLMP21, DCL23, DFA<sup>+</sup>23, DRC<sup>+</sup>16, DGA<sup>+</sup>17, DWG<sup>+</sup>20, DMR<sup>+</sup>20, EAI19, EAM<sup>+</sup>22, EMMB19, EAMK21, EKAK22, EEI<sup>+</sup>18, ELG20, ETR<sup>+</sup>20, ET21, EHN23, EGBS22, FSPB21, FDS<sup>+</sup>23, FHY19, FFW20, FWZL19, FHL<sup>+</sup>22, FdRES23, FKS22, FTRH20, FGD<sup>+</sup>19, FRC<sup>+</sup>18, FvHC<sup>+</sup>23, FSMU21, FSMG<sup>+</sup>19, FSS20, FHD22, FAPHD23, FDMM22, GM21, GZ22, GZC22]. **RISC** [GCL<sup>+</sup>23, GMS<sup>+</sup>23, GRCRCG<sup>+</sup>20, GRC<sup>+</sup>19, GTC<sup>+</sup>20, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, GPV<sup>+</sup>22, GTP<sup>+</sup>22, GGH<sup>+</sup>22, GBP21, GST<sup>+</sup>17, GDR<sup>+</sup>22, GXLW22, GAMG<sup>+</sup>23, Gen24, GWZS23, GKB<sup>+</sup>22, dAGM23, GMK<sup>+</sup>23, GAO21, GG18, GAE<sup>+</sup>23, GMV20, GMFC23, GGÁARG<sup>+</sup>21, GZK<sup>+</sup>21, GPL22, GRD22, GLS21, GTD<sup>+</sup>23, GVT<sup>+</sup>22, Gra16, GTCS21, Gre20, GCCR21, GCR<sup>+</sup>23, GYW<sup>+</sup>23, GJC23, GSDB18, GFB<sup>+</sup>24, HYML23, HBSE22, HYWP<sup>+</sup>19, HWJ23, HJ23, HSR<sup>+</sup>23, HHB23, HH21, HVW<sup>+</sup>21, HCP<sup>+</sup>21, HH22, HK20, HYXW22, HSL<sup>+</sup>23, HSWM23, HCW23, HLHK19, HMJ22, HMJ24, HGLD18, HGLD19, HGD<sup>+</sup>19, HGTD20, HGD20a, HGJD20, HGD20b, HGPD20, HGTD21, HTGD21, HSEKD21, HMTL21, HDT<sup>+</sup>20, HHB<sup>+</sup>19, HUL<sup>+</sup>22, HCZ21, HWG22, HH23, HCL<sup>+</sup>21, HM21, IK21a, IVZV20, ISM<sup>+</sup>23, ILG19, IFO<sup>+</sup>18, IK21b, IZG22, JBK23, JSB20, JHL<sup>+</sup>21, JZWL23, JHLD21, JRD<sup>+</sup>23, JHQ23, JRW<sup>+</sup>23, JK20, JS23, KSAL21, KIS20, KIS22, KAR<sup>+</sup>19, KHG20]. **RISC** [KG22a, KG22b, KK21, KFK<sup>+</sup>19, KM21, KA20, KFS22, KSFS24, KSSMRB23, KNK<sup>+</sup>21, KCZ<sup>+</sup>17, KEAS<sup>+</sup>18, KKH<sup>+</sup>20, KLP<sup>+</sup>20, KS22, KKOY19, KG22c, KRR22, KYDÖ21, KHH22, KAMS19, KGBH22, KHS<sup>+</sup>23, KMS22, KSRT23, KCGL23, KZH22, KMB22, KKEG22, KCHYM19, KFGH<sup>+</sup>23, KGHRM23, KK23, KKE<sup>+</sup>22, LCCS21, LRF<sup>+</sup>21, LBDPP19, LHD<sup>+</sup>21, LHD<sup>+</sup>22, LF22, LWA<sup>+</sup>14, LZW<sup>+</sup>15, LWC<sup>+</sup>16, LCYK20, LPB<sup>+</sup>21, LHC<sup>+</sup>21, LKKK22, LCN<sup>+</sup>23, LKHK23, LYZH20, LWC18, LSB22, LGB17, LHC19, LWD20, LHT<sup>+</sup>21, LCG<sup>+</sup>23, LCF23, LMP23, LYL23, LWLA23, LCW<sup>+</sup>24, LXC23, LVR<sup>+</sup>20, LNA21, LPZ19, Liu21, LPL22, LHK23, LNZ<sup>+</sup>22, LLS22, LVPSB<sup>+</sup>23, LZH20, LLL<sup>+</sup>21, Lu21b, Lu21a, Lu22, LNB<sup>+</sup>23, LRB18, MCL<sup>+</sup>21, MCL22, MLPH23, MSZB19, MKČ23, MKM20, MC22, MSSS23, MMD<sup>+</sup>22a, MMD<sup>+</sup>22b, MMD<sup>+</sup>22c, MSP23, MMGC20, MTCL21, MLD<sup>+</sup>23, MG22, MR22, MPP21, MFM<sup>+</sup>19, MTT21, MS17, MAS18, MSJ19, MB16, MST<sup>+</sup>23, MZZG22, MMR<sup>+</sup>17]. **RISC** [MSR<sup>+</sup>21, MSD<sup>+</sup>22, MSDM23, uhMSI19, MKB<sup>+</sup>23, MPU<sup>+</sup>23, MKVD23, Mis22, MGZ<sup>+</sup>23, MRSBGR<sup>+</sup>20, MRGRCR<sup>+</sup>21a, MRGRCR<sup>+</sup>21b, MRAM<sup>+</sup>23, gMCP19, MDR19, MTJ<sup>+</sup>22, MRB<sup>+</sup>23, MRB<sup>+</sup>24, MSFK21, MÇB22, MMA<sup>+</sup>18, NRB<sup>+</sup>23, NRA<sup>+</sup>22, NNPG23, NDZ<sup>+</sup>21, NWP<sup>+</sup>23, NAL22, NHML<sup>+</sup>22, NKH<sup>+</sup>21, NBT22, NGS20, NKTS23, NPA<sup>+</sup>23, NSM<sup>+</sup>23, NRLH22, OPY<sup>+</sup>18, OCMP19, OCC<sup>+</sup>17, OGT<sup>+</sup>20, OBSB23, OBB<sup>+</sup>24, PSS23, PDLC18, PS22a, PLH<sup>+</sup>22, PKN<sup>+</sup>20, PKL21, PJL21, PKC<sup>+</sup>20, PKKK22, PCL<sup>+</sup>23, PHC<sup>+</sup>23, PAPJ<sup>+</sup>23, PGTD23, PRS<sup>+</sup>15, PNSD20, PW17a, Pat18, PACB21, PPS<sup>+</sup>19, PH18, PFD21, PCW<sup>+</sup>22, PCO<sup>+</sup>23, PGW<sup>+</sup>20, PMKZ22, PPYB23, PRP<sup>+</sup>23, PGZMG21, POMD22, PLSK20, PSZMM21, PNG20, PS22b, PSM23, PMBA19, PNV22, QCL<sup>+</sup>23, QLH21, QYZ21, QLC20, RSR21, RRJ<sup>+</sup>21, RSR20, RCMQO24, RHS<sup>+</sup>22, RKH<sup>+</sup>23, RAPK23, RRC<sup>+</sup>20, RPD<sup>+</sup>15, RPSD16, RSA<sup>+</sup>23, RMF22, RKRF21, RBK18]. **RISC** [RLL<sup>+</sup>21, RSS<sup>+</sup>21, RHGD21, RMP<sup>+</sup>19, RK23, RMR21, RSM<sup>+</sup>23, RPA22, RZAH<sup>+</sup>19a, RFS20, RCS<sup>+</sup>19, RHD<sup>+</sup>23, SGP<sup>+</sup>23, SEM19, SMP22, SVM<sup>+</sup>23, SNM22, SG23, SJR<sup>+</sup>23, Sah23, SUM23, SNH22,



SGCGCR17, SSS<sup>+</sup>22, SFAAL22, SLZ<sup>+</sup>20, SLK<sup>+</sup>21, SML<sup>+</sup>22, SMMD23, SSB22, SAF<sup>+</sup>23, SC17, SLBJ23, SBJ21, SMB17, SAB22, SED<sup>+</sup>23, SCR<sup>+</sup>17, SSR<sup>+</sup>18, SRD<sup>+</sup>21, SAW<sup>+</sup>20, SWW<sup>+</sup>21, SWW<sup>+</sup>22, SZHB21, SJER23, SSD<sup>+</sup>21, Sew21, SMGS22, SJM<sup>+</sup>20, SJP<sup>+</sup>23, SMJ21, SS19, SWWL23, SR22, SUAR23, SSB<sup>+</sup>19, SCA<sup>+</sup>22, SFGB20, Smi24, SB23, SJYZ22, SCM<sup>+</sup>21, SPDLP<sup>+</sup>22, SLB<sup>+</sup>22, SCL<sup>+</sup>21, SS22, SJBS21, SMOM19, Su20, Su21, SAB24, SNK22, SLCK21, Suv21a, Suv21b, SNOT20, SNOT21, SLMS21, SKK<sup>+</sup>22, SSD<sup>+</sup>22, Szk21, TTB22, TS20, TMR<sup>+</sup>19, TBSh22, TLS22, TT22, TBS<sup>+</sup>21, TZPL21, TH22, TZS<sup>+</sup>21, TZ22, TZG<sup>+</sup>23, TGMD20, TGMD21, TBLD23, TDPD<sup>+</sup>21, TEYK21, TYEK21]. **RISC** [TSS<sup>+</sup>22, TGRK19, TGRK21, TGT<sup>+</sup>23, TAC<sup>+</sup>22, TSABTM20, TBR<sup>+</sup>22, TCL<sup>+</sup>21, TTDD21, TDH<sup>+</sup>23, TBK<sup>+</sup>19, TL22, TCH23, TOYK22, TA22, USQ<sup>+</sup>22, UD18, UD20, VTS<sup>+</sup>23, VKG22, VROdlT22, VMO<sup>+</sup>22, VMO<sup>+</sup>23, VSD22, VMFL23, WSMRM20, WRD<sup>+</sup>17, WWZL17, WBH<sup>+</sup>18, WT19, WZW<sup>+</sup>19, WBH<sup>+</sup>19, WTZ<sup>+</sup>20, WZW<sup>+</sup>21, WLW<sup>+</sup>21, WLY<sup>+</sup>22, WDM22, WWGW23, WWW23, WLI23, WWX<sup>+</sup>24, WTS21, WLA<sup>+</sup>13, WA21, WAH21, WYK21, WCGL23, WMGD23, WSUM19, WMA<sup>+</sup>21, WMR<sup>+</sup>22, WW19, WW21, WWB23, WSG<sup>+</sup>21, WSK<sup>+</sup>20, WXY<sup>+</sup>22, WHB<sup>+</sup>22, WLC22, WTY<sup>+</sup>23, WCL23, WGZ<sup>+</sup>23, XZW<sup>+</sup>22, XLZ23, XHY<sup>+</sup>20, XYT<sup>+</sup>22, XYT<sup>+</sup>23, YBR<sup>+</sup>23, YNYD23, Yan20, YLC21, YCL<sup>+</sup>23, YLT<sup>+</sup>23, YTL<sup>+</sup>23, YYM21, YTÖ21, YXH20, YLT22, YWZL22, YYP<sup>+</sup>22, ZLC19, ZB19, ZSB20, ZSB21, Zee22, ZTC21, ZPRD21, ZPRD22, ZPRD23, ZBZ<sup>+</sup>23, ZHC<sup>+</sup>18, ZZW<sup>+</sup>19, ZWL<sup>+</sup>20, ZGL<sup>+</sup>21, ZZG21, ZZZ21, ZGMD22, ZGD22, Zha22, ZHX<sup>+</sup>22, ZHLR22, ZGG23, ZZZ<sup>+</sup>23]. **RISC** [ZCH<sup>+</sup>23, ZXXH22, ZKS<sup>+</sup>23, ZUSK23, ZZQ21, ZCH22, ZWL<sup>+</sup>23, ZSM20, ZSM21, ZS23, ZJX20, ZHL<sup>+</sup>23, ZBA<sup>+</sup>20,

ZLP<sup>+</sup>15, ZCNA16, ZLP<sup>+</sup>16, ZCNA17, ZG22, ZPL<sup>+</sup>23, ZNF21, ZZL<sup>+</sup>22, ZC23, dOTB<sup>+</sup>20].

#### **RISC-HD** [TBSh22]. **RISC-V**

[And20, Ano23b, BDdD19b, BFC<sup>+</sup>23, CKTG21, Cho19, KFGH<sup>+</sup>23, MTAL22, TLB<sup>+</sup>22, WY23, dOK23, ABC<sup>+</sup>20, AAA<sup>+</sup>21, ASE<sup>+</sup>21, AKMS20, AKMS21, AS22, APHD21a, APHD21b, APHD22, APSH<sup>+</sup>22, AEAS21, AvAG21, AS18, AAC<sup>+</sup>23, AFP<sup>+</sup>17, ABP22, AAB<sup>+</sup>23, AHB20, ABM<sup>+</sup>23, ARH<sup>+</sup>22, Ano20, Ano22, Ano23a, Ano23c, Ano23d, Ano23f, Ano23g, Ant22, AMRCP21, AMG<sup>+</sup>20, AS24, AP14, ABW<sup>+</sup>20, ABW<sup>+</sup>21, AWB<sup>+</sup>23, ADF<sup>+</sup>23, ASH19, AHV<sup>+</sup>21, AYA<sup>+</sup>23, BKS22, BBV<sup>+</sup>23, BSSW21, BSZ<sup>+</sup>21, BWZ<sup>+</sup>21, BSZ<sup>+</sup>24, BHR<sup>+</sup>18, BRH<sup>+</sup>19, BB21, BMM<sup>+</sup>20, BCM<sup>+</sup>21, BJN23, Bar20, BFP<sup>+</sup>22, BKdLSGL23, Ben23, BPM<sup>+</sup>21, BPF<sup>+</sup>22, BZVCB23, BBVB20, BP21, Bor23, BWP22, BCZ21a, BCZ21b, BF23, BR24, BHGD21, BHD23, BHT<sup>+</sup>21, BGVB18, CCC<sup>+</sup>22, CIPR21, CTN18, CXLL22, CCC<sup>+</sup>19, CGG21, CG23, CDF<sup>+</sup>20, CDP<sup>+</sup>22, CRMR<sup>+</sup>23, CMV21, CSZ<sup>+</sup>20, CV22, CPWG23, CLC<sup>+</sup>20].

#### **RISC-V**

[CXL<sup>+</sup>20a, CXL<sup>+</sup>20b, CWD<sup>+</sup>21, CLWL21, CKTK22, CYJ<sup>+</sup>22, CKTK23, CPLS23, CWS<sup>+</sup>24, Chi23, CCA<sup>+</sup>18a, CCA<sup>+</sup>18b, Cho18, CPL<sup>+</sup>24, CSM22, CAL23, CKK<sup>+</sup>18, CKP19, COMP19, Cil21, CRRS21, CRRS22, CPG<sup>+</sup>23, CRP<sup>+</sup>23, CTSG22, CLW23, CSO<sup>+</sup>23, DNKDN<sup>+</sup>24, DAHK20, DHL<sup>+</sup>21, DNN23, DUM<sup>+</sup>19, DBP21, DXT<sup>+</sup>18, DBGJ19, DBGJ20, DG22, DGH19, DAPS21, DCM23, DCEJ21, DYZ<sup>+</sup>22, DPV<sup>+</sup>17, DDM<sup>+</sup>20, DPP22, DKC<sup>+</sup>21, DKT<sup>+</sup>23, DZZZ23, DEA<sup>+</sup>21, DtEt22, DCC<sup>+</sup>23, DRN<sup>+</sup>23, DXYZ19, DK23, DAK<sup>+</sup>21, DKA<sup>+</sup>22, Dos19, DLMP21, DCL23, DFA<sup>+</sup>23, DRC<sup>+</sup>16, DGA<sup>+</sup>17, DWG<sup>+</sup>20, DMR<sup>+</sup>20, EAI19, EAM<sup>+</sup>22, EMMB19, EAMK21, EKAK22, EEI<sup>+</sup>18, ELG20, ETR<sup>+</sup>20, ET21, EHN23, EGBS22, FSPB21, FDS<sup>+</sup>23, FHY19,



FFW20, FWZL19, FHL<sup>+</sup>22, FdRES23, FKS22, FTRH20, FGD<sup>+</sup>19, FRC<sup>+</sup>18, FvHC<sup>+</sup>23, FSMU21, FSMG<sup>+</sup>19, FSS20, FHD22, FAPHD23, FDM22, GM21, GZ22, GZC22, GCL<sup>+</sup>23, GMS<sup>+</sup>23, GRCRCG<sup>+</sup>20, GRC<sup>+</sup>19, GTC<sup>+</sup>20]. **RISC-V** [GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, GPV<sup>+</sup>22, GTP<sup>+</sup>22, GST<sup>+</sup>17, GDR<sup>+</sup>22, GXLW22, GAMG<sup>+</sup>23, Gen24, GWZS23, GKB<sup>+</sup>22, dAGM23, GMK<sup>+</sup>23, GAO21, GG18, GAE<sup>+</sup>23, GMV20, GMFC23, GZK<sup>+</sup>21, GPL22, GRD22, GLS21, GTD<sup>+</sup>23, GVT<sup>+</sup>22, Gra16, GTC21, Gre20, GCCR21, GCR<sup>+</sup>23, GYW<sup>+</sup>23, GJC23, GSDB18, GFB<sup>+</sup>24, HYML23, HBSE22, HYWP<sup>+</sup>19, HWJ23, HSR<sup>+</sup>23, HHB23, HH21, HVW<sup>+</sup>21, HCP<sup>+</sup>21, HH22, HK20, HYXW22, HSWM23, HCW23, HLHK19, HMJ22, HMJ24, HGLD18, HGLD19, HGD<sup>+</sup>19, HGTD20, HGD20a, HGJD20, HGD20b, HGP20, HGTD21, HTGD21, HSEKD21, HMTL21, HDT<sup>+</sup>20, HHB<sup>+</sup>19, Hor20, HCZ21, HWG22, HH23, HCL<sup>+</sup>21, HM21, IK21a, IVZV20, ISM<sup>+</sup>23, ILG19, IFO<sup>+</sup>18, IK21b, IZG22, JBK23, JSB20, JHL<sup>+</sup>21, JZW21, JHLD21, JRD<sup>+</sup>23, JHQ23, JRW<sup>+</sup>23, JK20, JS23, KSAL21, KIS20, KIS23, KAR<sup>+</sup>19, KHG20, KG22a, KG22b, KK21, KFK<sup>+</sup>19, KM21, KA20, KFS22, KSFS24, KNK<sup>+</sup>21]. **RISC-V** [KCZ<sup>+</sup>17, KEAS<sup>+</sup>18, KKH<sup>+</sup>20, KLP<sup>+</sup>20, KS22, KKOY19, KG22c, KRR22, KYDÖ21, KHH22, KAMS19, KGBH22, KHS<sup>+</sup>23, KMS22, KSRT23, KCGL23, KZH22, KMB22, KKEG22, KCHYM19, KFGH<sup>+</sup>23, KGHRM23, KK23, KKE<sup>+</sup>22, LCCS21, LRF<sup>+</sup>21, LBDPP19, LHD<sup>+</sup>21, LHD<sup>+</sup>22, LF22, LWA<sup>+</sup>14, LZW<sup>+</sup>15, LWC<sup>+</sup>16, LCYK20, LPB<sup>+</sup>21, LHC<sup>+</sup>21, LKKK22, LCN<sup>+</sup>23, LKHK23, LYZH20, LWC18, LSB22, LGB17, LHC19, LWD20, LHT<sup>+</sup>21, LCG<sup>+</sup>23, LCF23, LMP23, LYL23, LWLA23, LCW<sup>+</sup>24, LXC23, LVR<sup>+</sup>20, LNA21, LPZ19, Liu21, LPL22, LHK23, LNZ<sup>+</sup>22, LLS22, LVPSB<sup>+</sup>23, LZH20, LLL<sup>+</sup>21, Lu21b, Lu21a, Lu22, LNB<sup>+</sup>23, LRB18, MCL<sup>+</sup>21, MCL22, MLPH23, MSZB19, MKČ23, MKM20, MC22, MSSS23, MMD<sup>+</sup>22a, MMD<sup>+</sup>22b, MMD<sup>+</sup>22c, MSP23, MMGC20, MTCL21, MLD<sup>+</sup>23, MG22, MR22, MPP21, MFM<sup>+</sup>19, MTT21, MS17, MAS18, MSJ19, MB16, MST<sup>+</sup>23, MZZG22, MMR<sup>+</sup>17, MSR<sup>+</sup>21, MSD<sup>+</sup>22, MSDM23, uhMSI19, MPU<sup>+</sup>23, MKVD23, Mis22, MGZ<sup>+</sup>23, MRSBGR<sup>+</sup>20, MRGRCR<sup>+</sup>21a]. **RISC-V** [MRGRCR<sup>+</sup>21b, MRAM<sup>+</sup>23, gMCP19, MDR19, MTJ<sup>+</sup>22, MRB<sup>+</sup>23, MRB<sup>+</sup>24, MSFK21, MČB22, MMA<sup>+</sup>18, NRB<sup>+</sup>23, NRA<sup>+</sup>22, NNPG23, NDZ<sup>+</sup>21, NWP<sup>+</sup>23, NAL22, NHML<sup>+</sup>22, NKH<sup>+</sup>21, NBT22, NGS20, NKTS23, NPA<sup>+</sup>23, NSM<sup>+</sup>23, NRLH22, OPY<sup>+</sup>18, OCMP19, OCC<sup>+</sup>17, OGT<sup>+</sup>20, OBSB23, OBB<sup>+</sup>24, PSS23, PDLC18, PS22a, PLH<sup>+</sup>22, PKN<sup>+</sup>20, PKL21, PJJ21, PKC<sup>+</sup>20, PKKK22, PCL<sup>+</sup>23, PHC<sup>+</sup>23, PAPJ<sup>+</sup>23, PGTD23, PNSD20, PW17a, Pat18, PACB21, PPS<sup>+</sup>19, PH18, PFD21, PCW<sup>+</sup>22, PGW<sup>+</sup>20, PMKZ22, PPYB23, PRP<sup>+</sup>23, PGZMG21, POMD22, PLSK20, PNG20, PS22b, PSM23, PMBA19, PNV22, QCL<sup>+</sup>23, QLH21, QYZ21, RSR21, RRJ<sup>+</sup>21, RSR20, RCMQO24, RHS<sup>+</sup>22, RKH<sup>+</sup>23, RAPK23, RRC<sup>+</sup>20, RPD<sup>+</sup>15, RPSD16, RSA<sup>+</sup>23, RMF22, RKRF21, RBK18, RSS<sup>+</sup>21, RHGD21, RMP<sup>+</sup>19, RK23, RSM<sup>+</sup>23, RPA22, RZAH<sup>+</sup>19a, RFS20, RCS<sup>+</sup>19, RHD<sup>+</sup>23, SGP<sup>+</sup>23, SEM19, SMP22, SVM<sup>+</sup>23, SNM22, SG23]. **RISC-V** [SJR<sup>+</sup>23, Sah23, SUM23, SNH22, SGCGCR17, SSS<sup>+</sup>22, SFAAL22, SLZ<sup>+</sup>20, SLK<sup>+</sup>21, SML<sup>+</sup>22, SMMD23, SSB22, SAF<sup>+</sup>23, SC17, SLBJ23, SBJ21, SMB17, SAB22, SED<sup>+</sup>23, SCR<sup>+</sup>17, SSR<sup>+</sup>18, SRD<sup>+</sup>21, SAW<sup>+</sup>20, SWW<sup>+</sup>21, SWW<sup>+</sup>22, SZHB21, SJER23, SSD<sup>+</sup>21, Sew21, SMGS22, SJM<sup>+</sup>20, SMJ21, SS19, SWWL23, SR22, SUAR23, SSB<sup>+</sup>19, SCA<sup>+</sup>22, SFGB20, Smi24, SB23, SJYZ22, SCM<sup>+</sup>21, SPDLP<sup>+</sup>22, SLB<sup>+</sup>22, SCL<sup>+</sup>21, SS22, SJBS21, SMOM19, Su20, Su21, SAB24, SNK22, SLCK21,



Suv21a, SNOT20, SNOT21, SLMS21, SKK<sup>+</sup>22, SSD<sup>+</sup>22, Szk21, TTB22, TS20, TMR<sup>+</sup>19, TBSH22, TLS22, TT22, TBS<sup>+</sup>21, TZPL21, TH22, TZS<sup>+</sup>21, TZ22, TZG<sup>+</sup>23, TGMD20, TGMD21, TBLD23, TDPD<sup>+</sup>21, TEYK21, TYEK21, TSS<sup>+</sup>22, TGRK19, TGRK21, TGT<sup>+</sup>23, TAC<sup>+</sup>22, TSABTM20, TCL<sup>+</sup>21, TTDD21, TDH<sup>+</sup>23, TBK<sup>+</sup>19, TL22, TCH23, TOYK22, TA22, USQ<sup>+</sup>22, UD18, UD20, VTS<sup>+</sup>23, VROdlT22].

**RISC-V** [VMO<sup>+</sup>22, VMO<sup>+</sup>23, VSD22, VMFL23, WSMRM20, WRD<sup>+</sup>17, WWZL17, WBH<sup>+</sup>18, WT19, WZW<sup>+</sup>19, WBH<sup>+</sup>19, WTZ<sup>+</sup>20, WZW<sup>+</sup>21, WLW<sup>+</sup>21, WLY<sup>+</sup>22, WDM22, WWGW23, WWW23, WLI23, WWX<sup>+</sup>24, WTS21, WLA<sup>+</sup>13, WA21, WAH21, WYK21, WCGL23, WMGD23, WSUM19, WMA<sup>+</sup>21, WMR<sup>+</sup>22, WU19, WW21, WWB23, WSG<sup>+</sup>21, WSK<sup>+</sup>20, WXY<sup>+</sup>22, WHB<sup>+</sup>22, WLC22, WTY<sup>+</sup>23, WCL23, WGZ<sup>+</sup>23, XZW<sup>+</sup>22, XLZ23, XHY<sup>+</sup>20, XYT<sup>+</sup>22, XYT<sup>+</sup>23, YBR<sup>+</sup>23, YNYD23, Yan20, YLC21, YCL<sup>+</sup>23, YLT<sup>+</sup>23, YTL<sup>+</sup>23, YYM21, YTÖ21, YXH20, YLT22, YWZL22, YYP<sup>+</sup>22, ZLC19, ZB19, ZSB20, ZSB21, Zee22, ZTC21, ZPRD21, ZPRD22, ZPRD23, ZBZ<sup>+</sup>23, ZHC<sup>+</sup>18, ZZW<sup>+</sup>19, ZWL<sup>+</sup>20, ZGL<sup>+</sup>21, ZZG21, ZZZ21, ZGMD22, ZGD22, Zha22, ZHX<sup>+</sup>22, ZHLR22, ZGG23, ZZZ<sup>+</sup>23, ZCH<sup>+</sup>23, ZXXH22, ZKS<sup>+</sup>23, ZUSK23, ZZQ21, ZCH22, ZWL<sup>+</sup>23, ZSM20, ZSM21, ZS23, ZJX20, ZHL<sup>+</sup>23, ZBA<sup>+</sup>20, ZLP<sup>+</sup>15, ZCNA16, ZLP<sup>+</sup>16, ZCNA17, ZG22, ZPL<sup>+</sup>23, ZNF21, ZZL<sup>+</sup>22, ZC23, dOTB<sup>+</sup>20].

**RISC-V-Based** [HJ23, MKB<sup>+</sup>23, PCO<sup>+</sup>23, QLC20, RMR21, TBR<sup>+</sup>22, BCCM21, GGH<sup>+</sup>22, GGÁARG<sup>+</sup>21, HSL<sup>+</sup>23, HUL<sup>+</sup>22, KSSMRB23, RLL<sup>+</sup>21, SJP<sup>+</sup>23].

**RISC-V/Tensor** [DEA<sup>+</sup>21, DtEt22].

**RISC-V3** [RKRF21]. **RISC-VTF** [JHLD21]. **RISCV** [ZZB<sup>+</sup>20, Hor21a].

**RISCV-based** [ZZB<sup>+</sup>20]. **riscv/QEMU** [Hor21a]. **Rise** [Su20, AYA<sup>+</sup>23]. **RISK** [PAPJ<sup>+</sup>23, FFW20]. **Risk-5** [FFW20].

**RLWE** [ZHC<sup>+</sup>18]. **RNN** [AHB20, CDF<sup>+</sup>20, PACB21]. **RNN-based** [AHB20, PACB21]. **Road** [BFP<sup>+</sup>22].

**Roadmap** [FDMM22]. **Robotics** [LCYK20]. **Rocket** [Ano23e, LBDPP19, LNB<sup>+</sup>23, SBJ21].

**ROLoad** [TLC<sup>+</sup>24]. **ROLoad-PMP** [TLC<sup>+</sup>24]. **Root** [HSE<sup>+</sup>24]. **Roots** [Gen24].

**ROS** [LCYK20]. **ROS-Based** [LCYK20]. **rotation** [HC20]. **Routed** [KG17]. **RSA** [KSSMRB23]. **RSM** [TGMD21]. **RTOS** [DL17]. **Running** [GDR<sup>+</sup>22, IVZV20].

**Runtime** [HGTD20, LWLA23, SAB22, WWN23, WRD<sup>+</sup>17].

**Runtime-reconfigurable** [SAB22, WRD<sup>+</sup>17]. **RV** [CKTG21].

**RV-CAP** [CKTG21]. **RV32E** [Ano20].

**RV32I** [DPP22, GRCRCG<sup>+</sup>20].

**RV32IMAC** [DWG<sup>+</sup>20]. **RV32X** [WY23].

**RVCoreP** [KK21]. **RVCoreP-32IC** [KK21]. **RvDfi** [FHL<sup>+</sup>22]. **RVFC** [XLZ23].

**RVfpga** [HCP<sup>+</sup>21]. **RVNet** [WWZL17].

**RVNoC** [EEI<sup>+</sup>18]. **RVV** [PCA<sup>+</sup>24].

**s** [RZAH<sup>+</sup>19b, RZAH<sup>+</sup>19a]. **Saber** [KZH22, ZHLR22]. **Safe** [gMCP19]. **SafeLS** [SAF<sup>+</sup>23].

**Safety** [AAB<sup>+</sup>23, DLMP21, MKČ23, RLL<sup>+</sup>21, RCK<sup>+</sup>24, WMA<sup>+</sup>21, DUM<sup>+</sup>19].

**Safety-Critical** [MKČ23, RLL<sup>+</sup>21, WMA<sup>+</sup>21]. **SAR** [DRC<sup>+</sup>16].

**Sargantana** [DCC<sup>+</sup>23, SPDLP<sup>+</sup>22]. **SAT** [FSPB21].

**SAT-Based** [FSPB21]. **Satellite** [CDF<sup>+</sup>20].

**SBST** [FSPB21, FDS<sup>+</sup>23]. **Scalability** [TH22].

**Scalable** [AKMS20, BZVCB23, CSZ<sup>+</sup>20, CRP<sup>+</sup>23, GST<sup>+</sup>17, KKOY19, PNSD20, RSRT19, TBK<sup>+</sup>19, WWL<sup>+</sup>20].

**Scalar** [BDdD19b]. **Scale** [DAKK19, TSW<sup>+</sup>23, Sew21].

**Scale4Edge** [EAM<sup>+</sup>22]. **Scaled** [gMCP19]. **Scaling** [DHL<sup>+</sup>21, LCN<sup>+</sup>23, TLB<sup>+</sup>22].

**Scheduled** [QLC20]. **Scheduling** [APSH<sup>+</sup>22, EGBS22].



**Scheme** [FSS20, LWLA23, WLC22]. **schemes** [HK20]. **Scientific** [BDdD19b, MDPM24]. **Script** [ZNF21]. **Script-Based** [ZNF21]. **Scripting** [KKK<sup>+</sup>17a, KKK<sup>+</sup>17b, KKK<sup>+</sup>17c]. **Sealable** [DCEJ21]. **SealPK** [DCEJ21]. **second** [GCL<sup>+</sup>23]. **Secure** [ASE<sup>+</sup>21, DBP21, FSMG<sup>+</sup>19, GJC23, HYWP<sup>+</sup>19, KCHYM19, PDLC18, PKC<sup>+</sup>20, SSB<sup>+</sup>19, SS22, SLMS21, ZLC19, BF23]. **Secure-Boot** [HYWP<sup>+</sup>19]. **Secures** [Gen24]. **Securing** [DG22, PRP<sup>+</sup>23, TLC<sup>+</sup>24]. **Security** [AAA<sup>+</sup>21, AAB<sup>+</sup>23, Ano22, ASH19, AHV<sup>+</sup>21, CDP<sup>+</sup>22, CYJ<sup>+</sup>22, CAL23, DCL23, FHL<sup>+</sup>22, GAMG<sup>+</sup>23, Gen24, GWZS23, HVW<sup>+</sup>21, NGS20, OPY<sup>+</sup>18, RRJ<sup>+</sup>21, SG23, SKK<sup>+</sup>22, USQ<sup>+</sup>22, WGZ<sup>+</sup>23, ZHX<sup>+</sup>22, ZC23, Lu21a, MMR<sup>+</sup>17]. **Security-Critical** [SKK<sup>+</sup>22]. **SEgger** [Ano20]. **seL4** [DK23]. **Selection** [HSE<sup>+</sup>24]. **Self** [TLB<sup>+</sup>22, ZZZ<sup>+</sup>23]. **Self-Healing** [ZZZ<sup>+</sup>23]. **Self-Powered** [TLB<sup>+</sup>22]. **Semantic** [SZHB21]. **Sensing** [DWG<sup>+</sup>20, EMMB19, TLB<sup>+</sup>22]. **Sensitive** [TLC<sup>+</sup>24]. **Sensor** [CGG21, MGZ<sup>+</sup>23, SED<sup>+</sup>23, ZS23]. **September** [IEE22, IEE23]. **Sequencing** [WHB<sup>+</sup>22]. **Sequential** [BBV<sup>+</sup>23, MTT21]. **Security** [WZW<sup>+</sup>19]. **Server** [ZZZ<sup>+</sup>23]. **servers** [LF22]. **services** [BF23]. **Set** [CLW23, DMR<sup>+</sup>20, FSS20, FHD22, GZC22, dAGM23, HMJ22, HMJ24, HCZ21, JZWL23, JHLD21, KG22c, LPZ19, Liu21, MR22, NDZ<sup>+</sup>21, Pat17, PMKZ22, Smi24, TBLD23, WA21, WAH21, ZZL<sup>+</sup>22, EHN23, PKKK22, Pat18, RPSD16, WLA<sup>+</sup>13, ZJX20]. **Sets** [WZW<sup>+</sup>19, WWX<sup>+</sup>24, AP14, Chi23]. **SEU** [DAPS21]. **SGX** [SNOT20, SNOT21]. **SHA** [LMP23]. **SHA-3** [LMP23]. **SHAKTI** [DUM<sup>+</sup>19, MMR<sup>+</sup>17]. **SHAKTI-MS** [DUM<sup>+</sup>19]. **Shakti-T** [MMR<sup>+</sup>17]. **Shape** [KIS20]. **Shape-Changeable** [KIS20]. **Shared** [IK21b, PHC<sup>+</sup>23]. **Sharing** [LVR<sup>+</sup>20]. **shellcoding** [BJN23]. **shift** [HC20]. **SHORE** [DLMP21]. **Short** [KKC<sup>+</sup>16]. **Short-circuit** [KKC<sup>+</sup>16]. **Shortcomings** [RHS<sup>+</sup>22]. **should** [AP14]. **Side** [Bis21, DGH19, HGD20a, JHQ23, LHD<sup>+</sup>21, AS24, GYW<sup>+</sup>23]. **Side-Channel** [DGH19, LHD<sup>+</sup>21, Bis21, AS24, GYW<sup>+</sup>23]. **SiFive** [Ano21]. **sign** [GG18]. **sign-off** [GG18]. **Signal** [ABP22, BHR<sup>+</sup>18, BRH<sup>+</sup>19, CCC<sup>+</sup>19, RMF22]. **Signature** [GJC23, KSSMRB23]. **Signatures** [KSFS24]. **Signoff** [YLT22]. **SIKE** [EAMK21, EKAK22, RFS20]. **Silicon** [ABC<sup>+</sup>20, CG23, TH22, MRGRCR<sup>+</sup>21a]. **SIMD** [AvAG21, LYL23, PKL21, PJJ21, PW17b, SPDLP<sup>+</sup>22, TMR<sup>+</sup>19, YCL<sup>+</sup>23]. **Simodense** [PJJ21]. **Simplify** [BCCM21]. **Simulation** [AS24, BWP22, CLWL21, DXYZ19, DMR<sup>+</sup>20, HGTD20, PFD21, SNK22, HGTD21, MG22]. **Simulation-based** [AS24]. **Simulator** [BHT<sup>+</sup>21]. **Simulators** [IZG22, TBLD23]. **Simultaneous** [ZLP<sup>+</sup>16]. **Simultaneous-Switching** [ZLP<sup>+</sup>16]. **Singapore** [GD19]. **Single** [BWZ<sup>+</sup>21, CLWL21, DPV<sup>+</sup>17, KFK<sup>+</sup>19, PCA<sup>+</sup>24, SZHB21]. **Single-** [PCA<sup>+</sup>24]. **Single-Issue** [SZHB21]. **Single-Stage** [KFK<sup>+</sup>19]. **Siracusa** [SED<sup>+</sup>23]. **Siwa** [GRCRCG<sup>+</sup>20]. **Size** [BSSW21, LCN<sup>+</sup>23, SLBJ23]. **Size-Optimized** [SLBJ23]. **Skip** [GAMG<sup>+</sup>23]. **SLM** [GMK<sup>+</sup>23]. **Slow** [SCR<sup>+</sup>17]. **SM2** [CPLS23, SWWL23]. **SM2/3** [CPLS23]. **SM4** [KKE<sup>+</sup>22, WWGW23]. **Small** [BPM<sup>+</sup>21, BWP22, TZPL21]. **small-board** [TZPL21]. **SmallFloat** [TMR<sup>+</sup>19]. **Smart** [CYJ<sup>+</sup>22, EMMB19, FdRES23, LZH20, SLMS21, YBR<sup>+</sup>23]. **smartphones** [LF22]. **SMURF** [BDdD19b]. **SNOW** [WYK21]. **SNOW-V** [WYK21]. **SoC** [DEA<sup>+</sup>21, DtEt22, HZS<sup>+</sup>19, DBP21, TH22, VMO<sup>+</sup>23, WTY<sup>+</sup>23, And20, AMG<sup>+</sup>20,



AYA<sup>+</sup>23, BHR<sup>+</sup>18, BRH<sup>+</sup>19, BFC<sup>+</sup>23, BGVB18, CPG<sup>+</sup>23, DHL<sup>+</sup>21, DCM23, DCC<sup>+</sup>23, FHY19, FWZL19, FRC<sup>+</sup>18, GCL<sup>+</sup>23, GXLW22, GAO21, GZK<sup>+</sup>21, HSWM23, KCZ<sup>+</sup>17, LCG<sup>+</sup>23, Lu21b, MCL22, MLPH23, MSFK21, NWP<sup>+</sup>23, NGS20, QLH21, RAPK23, SED<sup>+</sup>23, SRD<sup>+</sup>21, SSD<sup>+</sup>21, TBS<sup>+</sup>21, TSABTM20, TDH<sup>+</sup>23, TLB<sup>+</sup>22, TL22, VTS<sup>+</sup>23, VKG22, VMO<sup>+</sup>22, WBH<sup>+</sup>18, WBH<sup>+</sup>19, WTZ<sup>+</sup>20, XZW<sup>+</sup>22, ZLC19, ZZQ21, ZWL<sup>+</sup>23, ZSM20, ZSM21, ZS23]. **SoCs** [BWP22, KFGH<sup>+</sup>23, PGW<sup>+</sup>20, SAB24, TBR<sup>+</sup>22]. **Soft** [ARH<sup>+</sup>22, CMV21, CV22, Cho18, Cho19, DAPS21, FvHC<sup>+</sup>23, GDR<sup>+</sup>22, GRD22, KGC<sup>+</sup>24, KKOY19, LNZ<sup>+</sup>22, MFM<sup>+</sup>19, MAS18, OCC<sup>+</sup>17, PMKZ22, PMBA19, RTRM19, SUAR23, WW19, WWB23, WLC22, ZCH22, dOTB<sup>+</sup>20, BCM<sup>+</sup>21, KK21, MS17]. **Soft-Core** [KKOY19, PMBA19, FvHC<sup>+</sup>23, BCM<sup>+</sup>21]. **Soft-Cores** [GRD22]. **Soft-Processor** [MAS18, CMV21, MS17]. **Soft-Processors** [SUAR23]. **Software** [FvHC<sup>+</sup>23, GDR<sup>+</sup>22, GRD22, KGC<sup>+</sup>24, KKOY19, LNZ<sup>+</sup>22, MFM<sup>+</sup>19, MAS18, OCC<sup>+</sup>17, PMKZ22, PMBA19, RTRM19, SUAR23, WW19, WWB23, WLC22, ZCH22, dOTB<sup>+</sup>20, BCM<sup>+</sup>21, KK21, MS17]. **Software-driven** [LKHK23]. **software-emulated** [MRGRRCR<sup>+</sup>21b]. **Software-Hardware** [uhMSI19]. **Software-implemented** [SMGS22]. **software/hardware** [SCM<sup>+</sup>21]. **SOI** [CSZ<sup>+</sup>20, KCZ<sup>+</sup>17, MSZB19, SAW<sup>+</sup>20, SPDLP<sup>+</sup>22, WSK<sup>+</sup>20]. **solution** [CIPR21, KSAL21]. **Solutions** [BWP22]. **SonicBOOM** [LHK23]. **sound** [SGCGCR17]. **sounds** [FvHC<sup>+</sup>23]. **Source** [ABC<sup>+</sup>20, APHD21b, Ano21, Ano23c, CTN18, CKP19, DXT<sup>+</sup>18, FTRH20, Gen24, GCCR21, HCW23, HLHK19, HHB<sup>+</sup>19, ILG19, LNA21, MMD<sup>+</sup>22b, MMD<sup>+</sup>22c, MFM<sup>+</sup>19, PFD21, PCW<sup>+</sup>22, PCO<sup>+</sup>23, PCA<sup>+</sup>24, PGW<sup>+</sup>20, SAF<sup>+</sup>23, SSR<sup>+</sup>18, WW21, WSG<sup>+</sup>21, APHD22, DAK<sup>+</sup>21, GYW<sup>+</sup>23, HGTD21, SNM22, SCL<sup>+</sup>21, TZPL21, VOK<sup>+</sup>22]. **Space** [And20, BSZ<sup>+</sup>21, BSZ<sup>+</sup>24, CDP<sup>+</sup>22, FDM22, LHK23, RAPK23, SVM<sup>+</sup>23, SLZ<sup>+</sup>20, SMMD23, SLBJ23, WLW<sup>+</sup>21, WMA<sup>+</sup>21, WMR<sup>+</sup>22]. **Space-Grade** [WMA<sup>+</sup>21, WMR<sup>+</sup>22]. **SpaceFibre** [Suv21b]. **Spaceflight** [MSP23]. **Sparq** [DFA<sup>+</sup>23]. **Sparse** [WBH<sup>+</sup>18, WBH<sup>+</sup>19]. **SPEC** [SSB22, TZS<sup>+</sup>21]. **Specific** [GGÁARG<sup>+</sup>21, HMJ22, OBSB23, WT19, XHY<sup>+</sup>20, YYP<sup>+</sup>22, ZXXH22, DL17, HP18, LPB<sup>+</sup>21, Pat18]. **Specification** [CTSG22, HZS<sup>+</sup>19]. **Specifications** [LPZ19]. **SpecTerminator** [JHQ23]. **Spectral** [WBH<sup>+</sup>18, WBH<sup>+</sup>19]. **Spectre** [LHD<sup>+</sup>22]. **Spectrophotometer** [SLB<sup>+</sup>22]. **Speculative** [GRD22, GCCR21, GCR<sup>+</sup>23, JHQ23, VKG22]. **speech** [DZZZ23]. **Speed** [BSSW21, HBSE22, KZH22, LWD20, NDZ<sup>+</sup>21, RLL<sup>+</sup>21, ZNF21]. **Speed-Up** [NDZ<sup>+</sup>21, ZNF21]. **speedAI240** [SB23]. **Speeding** [LMP23, MGZ<sup>+</sup>23]. **Spike** [Hor21b]. **sprung** [Gen24]. **SQRT** [LGB17]. **Square** [HSE<sup>+</sup>24, TS20, WTS21]. **SRAM** [FvHC<sup>+</sup>23, RTRM19, SG23, VKG22, WW19, WW21, WWB23, ZHL<sup>+</sup>23, ZCNA17, dOTB<sup>+</sup>20]. **SRAM-Based** [RTRM19, WWB23, ZCNA17, dOTB<sup>+</sup>20, WW19, WW21]. **Stage** [CXL<sup>+</sup>20a, GZ22, KFK<sup>+</sup>19, PMKZ22, CSM22, YTL<sup>+</sup>23, ZZZ21]. **Standard** [LKHK23, BF23]. **standards** [HC20]. **Started** [Hor20]. **States** [IEE23]. **Static** [LWLA23, RHS<sup>+</sup>22]. **steady** [SCR<sup>+</sup>17]. **Stealthy** [PGTD23]. **Step** [NKTS23]. **Stimulus** [AMG<sup>+</sup>20]. **Storage**



[GCL<sup>+</sup>23, Lu21b]. **Strategies** [PPYB23]. **Strategy** [HJ23]. **Stream** [SZHB21]. **Structurally** [MKB<sup>+</sup>23]. **Structurally-Pruned** [MKB<sup>+</sup>23]. **Structure** [LPL22]. **Structured** [ZCH<sup>+</sup>23]. **STT** [ZBA<sup>+</sup>20]. **STT-MRAM** [ZBA<sup>+</sup>20]. **studies** [GYW<sup>+</sup>23]. **Study** [APSH<sup>+</sup>22, BHD23, CPWG23, DCM23, HGLD19, HGJD20, PKC<sup>+</sup>20, PGTD23, RHGD21, SSB22, SSR<sup>+</sup>18, WMGD23, YLC21, SCM<sup>+</sup>21]. **Sub** [ADF<sup>+</sup>23, DFA<sup>+</sup>23, UD18]. **Sub-Byte** [ADF<sup>+</sup>23, DFA<sup>+</sup>23]. **Submicrosecond** [KCZ<sup>+</sup>17]. **Suitability** [KRR22]. **Suitable** [SUM23]. **Suite** [CKP19, GYW<sup>+</sup>23]. **Superscalar** [Ant22, GMV20]. **Superscaler** [DDM<sup>+</sup>20]. **Support** [BPM<sup>+</sup>21, CSZ<sup>+</sup>20, Cil21, KKK<sup>+</sup>17a, KKK<sup>+</sup>17b, KKK<sup>+</sup>17c, KKEG22, MSD<sup>+</sup>22, PCO<sup>+</sup>23, WY23, ZG22]. **Supported** [LCN<sup>+</sup>23, Ano20]. **Supporting** [DRN<sup>+</sup>23, MZZG22, KK21]. **Supports** [KGC<sup>+</sup>24]. **Suppression** [TBK<sup>+</sup>19]. **surveillance** [SGCGCR17]. **Survey** [AAB<sup>+</sup>23, BR24, CLW23, ET21, IZG22, MSD<sup>+</sup>22, NGS20, DAK<sup>+</sup>21, Lu21a]. **Sustainable** [SAB22]. **SVE** [CRRS21]. **SW** [KSSMRB23, MSZB19]. **SweRV** [Ano23f]. **Switched** [ZLP<sup>+</sup>16, LZW<sup>+</sup>15, MSFK21, ZLP<sup>+</sup>15]. **Switched-Capacitor** [ZLP<sup>+</sup>16, LZW<sup>+</sup>15, MSFK21, ZLP<sup>+</sup>15]. **Switching** [HGTD20, ZLP<sup>+</sup>16]. **SWUpdate** [SCL<sup>+</sup>21]. **SX** [GMFC23, VMFL23]. **SX-Aurora** [GMFC23, VMFL23]. **Symbolic** [BHD23, TZG<sup>+</sup>23]. **Symposium** [BBdD17, IEE21, IEE22, IEE23, TBL19]. **Synchronization** [DAKK19]. **Synthesis** [GRD22, MMGC20, NSM<sup>+</sup>23]. **Synthesizable** [LCG<sup>+</sup>23, RZAH<sup>+</sup>19b]. **Synthesized** [RZAH<sup>+</sup>19a]. **System** [Ano22, BKS22, BWZ<sup>+</sup>21, GMS<sup>+</sup>23, GAO21, GPL22, HWJ23, HWG22, ILG19, JS23, KAR<sup>+</sup>19, KM21, LRF<sup>+</sup>21, LHD<sup>+</sup>21, LCF23, LXC23, LZH20, Lu22, MSSS23, MTCL21, MLD<sup>+</sup>23, MSDM23, Mis22, MGZ<sup>+</sup>23, NBT22, NRLH22, RLL<sup>+</sup>21, RHD<sup>+</sup>23, SMB17, SAW<sup>+</sup>20, TDPD<sup>+</sup>21, VOK<sup>+</sup>22, WSMRM20, WTZ<sup>+</sup>20, WDM22, WGZ<sup>+</sup>23, YLT<sup>+</sup>23, YLT22, ZPRD22, ZZB<sup>+</sup>20, ZSM21, ZBA<sup>+</sup>20, ZC23, DGA<sup>+</sup>17, GG18, HGPD20, SJYZ22, WWZL17, ZZW<sup>+</sup>19, CKTG21, CYJ<sup>+</sup>22, CRP<sup>+</sup>23, DNN23, HYWP<sup>+</sup>19, HZS<sup>+</sup>19, KSSMRB23, KCHYM19, MSDM23, NKH<sup>+</sup>21, RSR20, SLK<sup>+</sup>21, SML<sup>+</sup>22, SMMD23, ZNF21]. **System-Aware** [SMB17]. **System-Level** [GMS<sup>+</sup>23, HGPD20]. **system-on-chip** [DGA<sup>+</sup>17, CKTG21, CYJ<sup>+</sup>22, CRP<sup>+</sup>23, DNN23, HYWP<sup>+</sup>19, HZS<sup>+</sup>19, KSSMRB23, KCHYM19, MSDM23, NKH<sup>+</sup>21, RSR20, SLK<sup>+</sup>21, SML<sup>+</sup>22, SMMD23, ZNF21]. **Systematic** [HGD<sup>+</sup>19]. **Systems** [APHD21b, APSH<sup>+</sup>22, dAGM23, HJ23, JK20, KG22b, KLP<sup>+</sup>20, KRR22, KSRT23, LNA21, MKČ23, NAL22, RKRF21, RCS<sup>+</sup>19, SMP22, SLZ<sup>+</sup>20, SAB22, WMA<sup>+</sup>21, ZHX<sup>+</sup>22, SFAAL22, TCL<sup>+</sup>21, ZG22]. **T** [CSM<sup>+</sup>21, LWD20, MMR<sup>+</sup>17]. **Table** [AS22]. **TAIGA** [MS17]. **TailoredCore** [GGÁARG<sup>+</sup>21]. **Target** [KHS<sup>+</sup>23]. **Targeted** [HCP<sup>+</sup>21]. **Targeting** [And20, BWZ<sup>+</sup>21, KSRT23, FTRH20]. **Task** [APSH<sup>+</sup>22]. **tasking** [BKS22]. **TCP** [TL22]. **TCP/IP** [TL22]. **Teaching** [GVT<sup>+</sup>22, ZTC21]. **Teaching-Oriented** [GVT<sup>+</sup>22]. **Tech** [Szk21]. **Technique** [POMD22]. **Techniques** [CCA<sup>+</sup>18a, dOK23]. **Technology** [CCC<sup>+</sup>22, DCC<sup>+</sup>23, GG18, ZB19]. **TEE** [SNOT20, YXH20]. **Telemetry** [CDF<sup>+</sup>20]. **TeleVM** [LCW<sup>+</sup>24]. **Temperature** [TLB<sup>+</sup>22]. **Tensor** [DEA<sup>+</sup>21, DtEt22]. **Teraflops/W** [SB23]. **Tesla** [TSW<sup>+</sup>23]. **Test** [AAA<sup>+</sup>21, CKK<sup>+</sup>18, DKT<sup>+</sup>23, MKM20, TH22, TTDD21]. **Testability** [AAB<sup>+</sup>23]. **Testing**



[AAC<sup>+</sup>23, BHGD21, CXLL22, HGLD19, HGD20a, HGJD20, HTGD21, JRW<sup>+</sup>23, RHGD21, RCS<sup>+</sup>19, SML<sup>+</sup>22, WW19, WWB23, dOK23, MRGRCR<sup>+</sup>21a]. **Tests** [BFC<sup>+</sup>23, TZS<sup>+</sup>21]. **Textbook** [HH21]. **their** [WSG<sup>+</sup>21]. **Theoretic** [KA20, NDZ<sup>+</sup>21]. **Thermal** [OBB<sup>+</sup>24, VMO<sup>+</sup>22, VMO<sup>+</sup>23]. **Things** [DGA<sup>+</sup>17, SCR<sup>+</sup>17]. **Thousand** [DEA<sup>+</sup>21]. **threaded** [OCC<sup>+</sup>17]. **Threading** [BCM<sup>+</sup>21]. **Three** [ZZZ21]. **Three-stage** [ZZZ21]. **Threshold** [GST<sup>+</sup>17, UD20, WCL23]. **Throughput** [DNN23, VKG22]. **Thwarting** [BR24]. **Tiered** [DXT<sup>+</sup>18]. **Tightly** [CMV21, GKB<sup>+</sup>22, GTCS21, ZLP<sup>+</sup>15]. **Tightly-Coupled** [GKB<sup>+</sup>22, CMV21]. **tightly-integrated** [ZLP<sup>+</sup>15]. **TIGRA** [GTCS21]. **Tile** [KG22a, KG22b]. **Tile-Based** [KG22a]. **Tiles** [GCL<sup>+</sup>23]. **Time** [HSWM23, IZG22, KFGH<sup>+</sup>23, LHD<sup>+</sup>21, LHC<sup>+</sup>21, MSDM23, NNPG23, PLH<sup>+</sup>22, WBH<sup>+</sup>18, WBH<sup>+</sup>19, ZHX<sup>+</sup>22, ZHLR22, APSH<sup>+</sup>22, BB21, HCL<sup>+</sup>21, LCF23]. **Time-Memory** [ZHLR22]. **Time-Triggered** [NNPG23]. **Timer** [EHK20]. **Timescales** [KCZ<sup>+</sup>17]. **Timing** [Bis21, BWP22, GCCR21, GCR<sup>+</sup>23, LHT<sup>+</sup>21, NNPG23, UD20, VKG22, WSG<sup>+</sup>21]. **Timing-Instructions** [NNPG23]. **Tiny** [GVT<sup>+</sup>22, NBT22, BPM<sup>+</sup>21]. **Tiny-FPU** [BPM<sup>+</sup>21]. **Tissue** [AMG<sup>+</sup>20]. **TL** [MKVD23]. **TL-Verilog** [MKVD23]. **TLB** [PKN<sup>+</sup>20]. **TMR** [WW21, WWB23]. **Tolerance** [DKA<sup>+</sup>22, RMP<sup>+</sup>19, SMGS22, JS23]. **Tolerant** [BCM<sup>+</sup>21, SLZ<sup>+</sup>20, SML<sup>+</sup>22, SMMD23, SR22, SUAR23, VSD22, WW19, dOK23]. **Tool** [AMRCP21, PFD21, RBK18, MG22, Sah23, SCA<sup>+</sup>22]. **Toolchain** [TZS<sup>+</sup>21]. **Tools** [DRN<sup>+</sup>23, MSJ19]. **Toolset** [HMJ22]. **TOPS** [NRB<sup>+</sup>23]. **TOPS/W** [NRB<sup>+</sup>23]. **Torus** [KG17]. **Tournament** [CSM22]. **TPM** [BCZ21b, SJBS21]. **TPU** [Pat18]. **Trace** [HWG22, KGBH22, KKEG22, ZPRD22]. **tracing** [BPS<sup>+</sup>23]. **Tracking** [PDLC18, SS19, WGZ<sup>+</sup>23]. **Trade** [MTJ<sup>+</sup>22, RRC<sup>+</sup>20, ZHLR22]. **Trade-off** [MTJ<sup>+</sup>22]. **Trade-Offs** [RRC<sup>+</sup>20, ZHLR22]. **traffic** [SJYZ22]. **Training** [BPF<sup>+</sup>22, GPV<sup>+</sup>22, GTP<sup>+</sup>22, LCN<sup>+</sup>23]. **Transactions** [SLMS21]. **Transceivers** [KKH<sup>+</sup>20]. **Transducers** [FdRES23]. **Transform** [KA20, NDZ<sup>+</sup>21]. **Transformer** [JHLD21]. **Transformers** [MKB<sup>+</sup>23]. **Transient** [YLC21]. **transistor** [AFP<sup>+</sup>17]. **Transition** [TZG<sup>+</sup>23, TDH<sup>+</sup>23]. **translation** [TOYK22]. **Translator** [RSS<sup>+</sup>21]. **Transmission** [Suv21b]. **Transparently** [LKHK23]. **Transport** [Suv21a]. **Transprecision** [MSZB19]. **TriCheck** [TML<sup>+</sup>17a, TML<sup>+</sup>17b, TML<sup>+</sup>17c]. **Triggered** [NNPG23]. **Trigonometric** [GZC22, NKH<sup>+</sup>21]. **Triple** [HJ23]. **Triple-Level** [HJ23]. **Trisection** [TML<sup>+</sup>17a, TML<sup>+</sup>17b, TML<sup>+</sup>17c]. **Trojan** [DCM23, PGTD23]. **Trojan-D2** [PGTD23]. **Trojan-ing** [DCM23]. **Trojans** [ARH<sup>+</sup>22, DCM23, PGTD23]. **True** [ZNF21]. **Trust** [SJBS21]. **Trusted** [AVS<sup>+</sup>22, BCZ21a, CDW<sup>+</sup>24, HDT<sup>+</sup>20, MCL<sup>+</sup>21, SNOT21, USQ<sup>+</sup>22]. **TrustZone** [SNOT21]. **try** [Chi23]. **TS** [SNOT21]. **TS-Perf** [SNOT21]. **tuning** [YCL<sup>+</sup>23]. **Turna** [Sah23]. **Tutorial** [Ano22, GG18]. **TVM** [CLC<sup>+</sup>20, YCL<sup>+</sup>23]. **Type** [BDdD19a, KK23]. **Typed** [KKK<sup>+</sup>17a, KKK<sup>+</sup>17b, KKK<sup>+</sup>17c]. **UAV** [KMB22]. **UEFI** [Zha22]. **UK** [BBdD17]. **Ultra** [ABP22, ERGK21, GRC<sup>+</sup>19, KMB22, PCL<sup>+</sup>23, TBR<sup>+</sup>22, VTS<sup>+</sup>23, ZSB20, ZWL<sup>+</sup>20, CPL<sup>+</sup>24, SCR<sup>+</sup>17].



**Ultra-efficient** [ZSB20]. **Ultra-Low** [ABP22, KMB22, PCL<sup>+</sup>23, CPL<sup>+</sup>24]. **Ultra-Low-Power** [TBR<sup>+</sup>22, ERGK21, VTS<sup>+</sup>23, ZWL<sup>+</sup>20, SCR<sup>+</sup>17]. **Ultraefficient** [ZSB21]. **Ultralow** [PPYB23]. **Ultralow-Power** [PPYB23]. **UltraScale** [dOK23, SFGb20]. **Undergraduates** [MSJ19]. **Unified** [HSE<sup>+</sup>24]. **Uniform** [HZS<sup>+</sup>19]. **Unifying** [EHK20]. **Unit** [AVS<sup>+</sup>22, AvAG21, BPF<sup>+</sup>22, CRRS22, CTSG22, GKB<sup>+</sup>22, ISM<sup>+</sup>23, LYZH20, MSZB19, MC22, MSSS23, MAS18, MST<sup>+</sup>23, PS22b, QCL<sup>+</sup>23, SMB17, ZHX<sup>+</sup>22, ZSM21, EHN23]. **United** [IEE23]. **Universal** [LLS22]. **Unlock** [Smi24]. **Unprivileged** [WA21]. **Unprotected** [DG22, FvHC<sup>+</sup>23]. **Unum** [BDdD19b, BDdD19a]. **Updates** [SCL<sup>+</sup>21]. **Upsets** [BWZ<sup>+</sup>21]. **Usage** [LVR<sup>+</sup>20]. **Use** [MDPM24, Szk21]. **user** [CLM<sup>+</sup>22]. **user-level** [CLM<sup>+</sup>22]. **Using** [BDdD19a, DAKK19, FSMU21, GJC23, HCP<sup>+</sup>21, IFO<sup>+</sup>18, JZWL23, KKH<sup>+</sup>20, KGBH22, KFGH<sup>+</sup>23, KK23, LYL23, MSSS23, MAS18, POMD22, RSA<sup>+</sup>23, RMF22, SLMS21, TBK<sup>+</sup>19, VKG22, WWX<sup>+</sup>24, XYT<sup>+</sup>22, XYT<sup>+</sup>23, ZZB<sup>+</sup>20, AFP<sup>+</sup>17, BPS<sup>+</sup>23, BHD23, CSM22, GG18, GLS21, HGD20b, JSB20, JRW<sup>+</sup>23, KSAL21, LCCS21, LLS22, MKM20, PLSK20, SFGb20, SSD<sup>+</sup>22, WW21, ZGD22]. **Utilization** [SZHB21, ZHL<sup>+</sup>23]. **Utilizing** [JHL<sup>+</sup>21, MTT21]. **UVM** [LLS22, BMM<sup>+</sup>20, CWD<sup>+</sup>21, WTZ<sup>+</sup>20].

**V** [And20, Ano23b, BDdD19b, BFC<sup>+</sup>23, CKTG21, Cho19, EHK20, GBP21, KFGH<sup>+</sup>23, MTAL22, PRS<sup>+</sup>15, PCW<sup>+</sup>22, TLB<sup>+</sup>22, VKG22, WY23, dOK23, ABC<sup>+</sup>20, AAA<sup>+</sup>21, ASE<sup>+</sup>21, AKMS20, AKMS21, AS22, APHD21a, APHD21b, APHD22, APSH<sup>+</sup>22, AEAS21, AvAG21, AS18, AAC<sup>+</sup>23, AFP<sup>+</sup>17, ABP22, AAB<sup>+</sup>23, And20, AHB20, ABM<sup>+</sup>23, ARH<sup>+</sup>22, Ano20, Ano22,

Ano23a, Ano23c, Ano23d, Ano23f, Ano23g, Ant22, AMRCP21, AMG<sup>+</sup>20, AS24, AP14, ABW<sup>+</sup>20, ABW<sup>+</sup>21, AWB<sup>+</sup>23, ADF<sup>+</sup>23, ASH19, AHV<sup>+</sup>21, AYA<sup>+</sup>23, BKS22, BBV<sup>+</sup>23, BSSW21, BSZ<sup>+</sup>21, BWZ<sup>+</sup>21, BSZ<sup>+</sup>24, BHR<sup>+</sup>18, BRH<sup>+</sup>19, BB21, BMM<sup>+</sup>20, BCM<sup>+</sup>21, BJN23, Bar20, BFP<sup>+</sup>22, BKdLSGL23, BCCM21, Ben23, BPM<sup>+</sup>21, BPF<sup>+</sup>22, BZVCB23, BBVB20, BP21, Bor23, BPS<sup>+</sup>23, BWP22, BCZ21a, BCZ21b, BF23, BR24, BHGD21, BHD23, BHT<sup>+</sup>21, BGVB18, CCC<sup>+</sup>22, CIPR21, CTN18, CXLL22, CCC<sup>+</sup>19, CGG21, CG23, CDF<sup>+</sup>20]. **V** [CDP<sup>+</sup>22, CRMR<sup>+</sup>23, CMV21, CSZ<sup>+</sup>20, CV22, CPWG23, CLC<sup>+</sup>20, CXL<sup>+</sup>20a, CXL<sup>+</sup>20b, CWD<sup>+</sup>21, CLWL21, CKTK22, CYJ<sup>+</sup>22, CKTK23, CPLS23, CWS<sup>+</sup>24, Chi23, CCA<sup>+</sup>18a, CCA<sup>+</sup>18b, Cho18, CPL<sup>+</sup>24, CSM22, CAL23, CKK<sup>+</sup>18, CKP19, COMP19, Cil21, CRRS21, CRRS22, CPG<sup>+</sup>23, CRP<sup>+</sup>23, CTSG22, CLW23, CSO<sup>+</sup>23, DNKDN<sup>+</sup>24, DAHK20, DHL<sup>+</sup>21, DNN23, DUM<sup>+</sup>19, DBP21, DXT<sup>+</sup>18, DBGJ19, DBGJ20, DG22, DGH19, DAPS21, DCM23, DCEJ21, DYZ<sup>+</sup>22, DPV<sup>+</sup>17, DDM<sup>+</sup>20, DPP22, DKC<sup>+</sup>21, DL17, DKT<sup>+</sup>23, DZZZ23, DCC<sup>+</sup>23, DRN<sup>+</sup>23, DXYZ19, DK23, DAK<sup>+</sup>21, DKA<sup>+</sup>22, Dos19, DLMP21, DCL23, DFA<sup>+</sup>23, DRC<sup>+</sup>16, DGA<sup>+</sup>17, DWG<sup>+</sup>20, DMR<sup>+</sup>20, EAI19, EAM<sup>+</sup>22, EMMB19, EAMK21, EKAK22, EEI<sup>+</sup>18, ELG20, ETR<sup>+</sup>20, ET21, EHN23, EGBS22, FSPB21, FDS<sup>+</sup>23, FHY19, FFW20, FWZL19, FHL<sup>+</sup>22, FdRES23, FKS22, FTRH20, FGD<sup>+</sup>19, FRC<sup>+</sup>18, FvHC<sup>+</sup>23, FSMU21, FSMG<sup>+</sup>19, FSS20, FHD22, FAPHD23, FDMM22]. **V** [GM21, GZ22, GZC22, GCL<sup>+</sup>23, GMS<sup>+</sup>23, GRCRCG<sup>+</sup>20, GRC<sup>+</sup>19, GTC<sup>+</sup>20, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b, GPV<sup>+</sup>22, GTP<sup>+</sup>22, GGH<sup>+</sup>22, GST<sup>+</sup>17, GDR<sup>+</sup>22, GXLW22, GAMG<sup>+</sup>23, Gen24, GWZS23, GKB<sup>+</sup>22, dAGM23, GMK<sup>+</sup>23, GAO21, GG18, GAE<sup>+</sup>23, GMV20, GMFC23, GGÁARG<sup>+</sup>21,



GZK<sup>+</sup>21, GPL22, GRD22, GLS21, GTD<sup>+</sup>23, GVT<sup>+</sup>22, Gra16, GTCS21, Gre20, GCCR21, GCR<sup>+</sup>23, GYW<sup>+</sup>23, GJC23, GSDB18, GFB<sup>+</sup>24, HYML23, HBSE22, HYWP<sup>+</sup>19, HWJ23, HJ23, HSR<sup>+</sup>23, HHB23, HH21, HVW<sup>+</sup>21, HCP<sup>+</sup>21, HH22, HHTo23, HK20, HYXW22, HSL<sup>+</sup>23, HSWM23, HCW23, HLHK19, HMJ22, HMJ24, HGLD18, HGLD19, HGD<sup>+</sup>19, HGTD20, HGD20a, HGJD20, HGD20b, HGP20, HGTD21, HTGD21, HSEKD21, HMTL21, HDT<sup>+</sup>20, HHB<sup>+</sup>19, Hor20, HUL<sup>+</sup>22, HCZ21, HWG22, HH23, HCL<sup>+</sup>21, HM21, IK21a, IVZV20, ISM<sup>+</sup>23, ILG19, IFO<sup>+</sup>18, IK21b, IZG22, JBK23, JSB20, JHL<sup>+</sup>21, JZWL23, JHLD21, JRD<sup>+</sup>23, JHQ23, JRW<sup>+</sup>23, JK20, JS23, KSAL21, KIS20]. **V**  
 [KIS22, KAR<sup>+</sup>19, KHG20, KG22a, KG22b, KK21, KFK<sup>+</sup>19, KM21, KA20, KFS22, KSFS24, KSSMRB23, KNK<sup>+</sup>21, KCZ<sup>+</sup>17, KEAS<sup>+</sup>18, KKH<sup>+</sup>20, KLP<sup>+</sup>20, KS22, KKOY19, KG22c, KRR22, KYDÖ21, KHH22, KAMS19, KGBH22, KHS<sup>+</sup>23, KMS22, KSRT23, KCGL23, KZH22, KMB22, KKEG22, KCHYM19, KFGH<sup>+</sup>23, KGHRM23, KK23, KKE<sup>+</sup>22, LCCS21, LRF<sup>+</sup>21, LBDPP19, LHD<sup>+</sup>21, LHD<sup>+</sup>22, LF22, LWA<sup>+</sup>14, LZW<sup>+</sup>15, LWC<sup>+</sup>16, LCYK20, LPB<sup>+</sup>21, LHC<sup>+</sup>21, LKKK22, LCN<sup>+</sup>23, LKHK23, LYZH20, LWC18, LSB22, LGB17, LHC19, LWD20, LHT<sup>+</sup>21, LCG<sup>+</sup>23, LCF23, LMP23, LYL23, LWLA23, LCW<sup>+</sup>24, LXC23, LVR<sup>+</sup>20, LNA21, LPZ19, Liu21, LPL22, LHK23, LNZ<sup>+</sup>22, LLS22, LVPSB<sup>+</sup>23, LZH20, LLL<sup>+</sup>21, Lu21b, Lu21a, Lu22, LNB<sup>+</sup>23, LRB18, MCL<sup>+</sup>21, MCL22, MLPH23, MSZB19, MKČ23, MKM20, MC22, MSSS23, MMD<sup>+</sup>22a, MMD<sup>+</sup>22b, MMD<sup>+</sup>22c, MSP23, MMGC20, MTCL21, MLD<sup>+</sup>23, MG22, MR22, MPP21, MFM<sup>+</sup>19, MTT21, MS17, MAS18, MSJ19]. **V** [MB16, MST<sup>+</sup>23, MZZG22, MMR<sup>+</sup>17, MSR<sup>+</sup>21, MSD<sup>+</sup>22, MSDM23, uhMSI19, MKB<sup>+</sup>23, MPU<sup>+</sup>23, MKVD23, Mis22, MGZ<sup>+</sup>23, MRSBGR<sup>+</sup>20, MRGR<sup>+</sup>21a, MRGR<sup>+</sup>21b, MRAM<sup>+</sup>23, gMCP19, MDR19, MTJ<sup>+</sup>22, MRB<sup>+</sup>23, MRB<sup>+</sup>24, MSFK21, MCB22, MMA<sup>+</sup>18, NRB<sup>+</sup>23, NRA<sup>+</sup>22, NNPG23, NDZ<sup>+</sup>21, NWP<sup>+</sup>23, NAL22, NHML<sup>+</sup>22, NKH<sup>+</sup>21, NBT22, NGS20, NKTS23, NPA<sup>+</sup>23, NSM<sup>+</sup>23, NRLH22, OPY<sup>+</sup>18, OCMP19, OCC<sup>+</sup>17, OGT<sup>+</sup>20, OBSB23, OBB<sup>+</sup>24, PSS23, PDLC18, PS22a, PLH<sup>+</sup>22, PKN<sup>+</sup>20, PKL21, PJJ21, PKC<sup>+</sup>20, PKKK22, PCL<sup>+</sup>23, PHC<sup>+</sup>23, PAPJ<sup>+</sup>23, PGTD23, PNSD20, PW17a, Pat18, PACB21, PPS<sup>+</sup>19, PH18, PFD21, PCW<sup>+</sup>22, PCO<sup>+</sup>23, PGW<sup>+</sup>20, PMKZ22, PPYB23, PRP<sup>+</sup>23, PGZMG21, POMD22, PLSK20, PSZMM21, PNG20, PS22b, PSM23, PMBA19, PNV22, QCL<sup>+</sup>23, QLH21, QYZ21, QLC20, RSR21, RRJ<sup>+</sup>21, RSR20, RCMQO24, RHS<sup>+</sup>22, RKH<sup>+</sup>23, RAPK23, RRC<sup>+</sup>20, RPD<sup>+</sup>15, RPSD16, RSA<sup>+</sup>23, RMF22]. **V**  
 [RKRF21, RBK18, RLL<sup>+</sup>21, RSS<sup>+</sup>21, RHGD21, RMP<sup>+</sup>19, RK23, RMR21, RSM<sup>+</sup>23, RPA22, RZAH<sup>+</sup>19b, RZAH<sup>+</sup>19a, RFS20, RCS<sup>+</sup>19, RHD<sup>+</sup>23, SGP<sup>+</sup>23, SEM19, SMP22, SVM<sup>+</sup>23, SNM22, SG23, SJR<sup>+</sup>23, Sah23, SUM23, SNH22, SGCGCR17, SSS<sup>+</sup>22, SFAAL22, SLZ<sup>+</sup>20, SLK<sup>+</sup>21, SML<sup>+</sup>22, SMMD23, SSB22, SAF<sup>+</sup>23, SC17, SLBJ23, SBJ21, SMB17, SAB22, SED<sup>+</sup>23, SCR<sup>+</sup>17, SSR<sup>+</sup>18, SRD<sup>+</sup>21, SAW<sup>+</sup>20, SWW<sup>+</sup>21, SWW<sup>+</sup>22, SZHB21, SJER23, SSD<sup>+</sup>21, Sew21, SMGS22, SJM<sup>+</sup>20, SJP<sup>+</sup>23, SMJ21, SS19, SWWL23, SR22, SUAR23, SSB<sup>+</sup>19, SCA<sup>+</sup>22, SFGB20, Smi24, SB23, SJYZ22, SCM<sup>+</sup>21, SPDLP<sup>+</sup>22, SLB<sup>+</sup>22, SCL<sup>+</sup>21, SS22, SJBS21, SMOM19, Su20, Su21, SAB24, SNK22, SLCK21, Suv21a, Suv21b, SNOT20, SNOT21, SLMS21, SKK<sup>+</sup>22, SSD<sup>+</sup>22, Szk21, TTB22, TS20, TMR<sup>+</sup>19, TBSh22, TLS22, TT22, TBS<sup>+</sup>21, TZPL21, TH22, TZS<sup>+</sup>21, TZ22, TZG<sup>+</sup>23, TGMD20, TGMD21]. **V**  
 [TBLD23, TDPD<sup>+</sup>21, TEYK21, TYEK21, TSS<sup>+</sup>22, TGRK19, TGRK21, TGT<sup>+</sup>23, TAC<sup>+</sup>22, TSABTM20, TBR<sup>+</sup>22, TCL<sup>+</sup>21,



TTDD21, TDH<sup>+</sup>23, TBK<sup>+</sup>19, TL22, TCH23, TOYK22, TA22, USQ<sup>+</sup>22, UD18, UD20, VTS<sup>+</sup>23, VROdlT22, VMO<sup>+</sup>22, VMO<sup>+</sup>23, VSD22, VMFL23, WSMRM20, WRD<sup>+</sup>17, WWZL17, WBH<sup>+</sup>18, WT19, WZW<sup>+</sup>19, WBH<sup>+</sup>19, WTZ<sup>+</sup>20, WZW<sup>+</sup>21, WLW<sup>+</sup>21, WLY<sup>+</sup>22, WDM22, WWGW23, WWW23, WLI23, WWX<sup>+</sup>24, WTS21, WLA<sup>+</sup>13, WA21, WAH21, WYK21, WCGL23, WMGD23, WSUM19, WMA<sup>+</sup>21, WMR<sup>+</sup>22, WW19, WW21, WWB23, WSG<sup>+</sup>21, WSK<sup>+</sup>20, WXY<sup>+</sup>22, WHB<sup>+</sup>22, WLC22, WTY<sup>+</sup>23, WCL23, WGZ<sup>+</sup>23, XZW<sup>+</sup>22, XLZ23, XHY<sup>+</sup>20, XYT<sup>+</sup>22, XYT<sup>+</sup>23, YBR<sup>+</sup>23, YNYD23, Yan20, YLC21, YCL<sup>+</sup>23, YLT<sup>+</sup>23, YTL<sup>+</sup>23, YYM21, YTO<sup>+</sup>21, YXH20, YLT22, YWZL22, YYP<sup>+</sup>22, ZLC19, ZB19, ZSB20, ZSB21, Zee22, ZTC21, ZPRD21, ZPRD22, ZPRD23, ZBZ<sup>+</sup>23, ZHC<sup>+</sup>18, ZZW<sup>+</sup>19, ZWL<sup>+</sup>20, ZGL<sup>+</sup>21, ZZG21, ZZZ21, ZGMD22, ZGD22, Zha22, ZHX<sup>+</sup>22]. **V** [ZHLR22, ZGG23, ZZZ<sup>+</sup>23, ZCH<sup>+</sup>23, ZXXH22, ZKS<sup>+</sup>23, ZUSK23, ZZQ21, ZCH22, ZWL<sup>+</sup>23, ZSM20, ZSM21, ZS23, ZJX20, ZHL<sup>+</sup>23, ZBA<sup>+</sup>20, ZLP<sup>+</sup>15, ZCNA16, ZLP<sup>+</sup>16, ZCNA17, ZG22, ZPL<sup>+</sup>23, ZCNA23, ZNF21, ZZL<sup>+</sup>22, ZC23, dOTB<sup>+</sup>20, dOK23]. **V/Tensor** [DEA<sup>+</sup>21, DtEt22]. **V1** [Ano23g]. **V3** [RKRF21]. **Validating** [NSM<sup>+</sup>23]. **Validation** [AAC<sup>+</sup>23, CKP19, TH22]. **Value** [TBS<sup>+</sup>21]. **variability** [TLS22]. **Variable** [BDdD19a, GFB<sup>+</sup>24, MAS18, RSR21, YTL<sup>+</sup>23]. **Variable-Length** [MAS18]. **Variable-Precision** [BDdD19a]. **variant** [Ano20]. **Vector** [AEAS21, AvAG21, ADF<sup>+</sup>23, BKdLSGL23, CCC<sup>+</sup>22, CSZ<sup>+</sup>20, CV22, CSM<sup>+</sup>21, CXL<sup>+</sup>20a, DFA<sup>+</sup>23, ISM<sup>+</sup>23, JRD<sup>+</sup>23, JK20, KKOY19, KZH22, KFGH<sup>+</sup>23, LMP23, LPL22, MC22, MKB<sup>+</sup>23, MPU<sup>+</sup>23, PNSD20, PCW<sup>+</sup>22, PCO<sup>+</sup>23, PCA<sup>+</sup>24, PGZMG21, RSR21, RMF22, SAW<sup>+</sup>20, SWW<sup>+</sup>21, SWW<sup>+</sup>22, SPDLP<sup>+</sup>22, Su21, WSK<sup>+</sup>20, XHY<sup>+</sup>20, ZHC<sup>+</sup>18, ZKS<sup>+</sup>23, ZLP<sup>+</sup>16, GAE<sup>+</sup>23, GMFC23, KMS22, LWA<sup>+</sup>14, LZW<sup>+</sup>15, SCM<sup>+</sup>21, VMFL23, WWW23, ZLP<sup>+</sup>15]. **vector-dataflow** [GAE<sup>+</sup>23]. **Vector-Instruction** [ZHC<sup>+</sup>18]. **Vectorized** [BKdLSGL23]. **Vectorizing** [CRRS21]. **Vehicles** [CRMR<sup>+</sup>23, Ben23]. **Verification** [ASE<sup>+</sup>21, APHD21a, AAC<sup>+</sup>23, BHD23, CAL23, DDM<sup>+</sup>20, DKT<sup>+</sup>23, DMR<sup>+</sup>20, FAPHD23, GM21, HGJD20, HZS<sup>+</sup>19, IK21a, JRD<sup>+</sup>23, KHS<sup>+</sup>23, LLS22, MMA<sup>+</sup>18, OCMP19, QYZ21, RHGD21, RMR21, RCS<sup>+</sup>19, SSR<sup>+</sup>18, TML<sup>+</sup>17a, TML<sup>+</sup>17b, TML<sup>+</sup>17c, WTZ<sup>+</sup>20, WMGD23, WGZ<sup>+</sup>23, ZPRD22, ZZZ21, ZNF21, CWD<sup>+</sup>21, MRSBGR<sup>+</sup>20, ZPRD23]. **verified** [TMK<sup>+</sup>16]. **Verifying** [TZG<sup>+</sup>23]. **Verilog** [IK21a, LCCS21, MKVD23, Mis22]. **version** [AS24]. **Very** [QLC20]. **Veyron** [Ano23g]. **VGG** [SCM<sup>+</sup>21]. **VGG-16** [SCM<sup>+</sup>21]. **VHDL** [PMKZ22]. **via** [dAGM23]. **Vibration** [MGZ<sup>+</sup>23]. **Virtex** [SFGB20]. **Virtex-7** [SFGB20]. **Virtex-UltraScale** [SFGB20]. **Virtual** [BWP22, FHD22, HGLD18, HGLD19, HGTD20, HGD20b, HGTD21, LCW<sup>+</sup>24, ZWL<sup>+</sup>23, HGPD20, IEE21, IEE22, KKC<sup>+</sup>16]. **Virtualization** [DK23, MTJ<sup>+</sup>22, SMP22, SVM<sup>+</sup>23, CLM<sup>+</sup>22]. **Visible** [SLB<sup>+</sup>22, ZSM20]. **Vision** [LRF<sup>+</sup>21]. **Visual** [SED<sup>+</sup>23]. **Vitamin** [AAC<sup>+</sup>23]. **Vitamin-V** [AAC<sup>+</sup>23]. **Vitruvius** [MPU<sup>+</sup>23]. **VLSI** [LLS22, YTL<sup>+</sup>23]. **vMCU** [MST<sup>+</sup>23]. **Vmin** [ZCNA16]. **Volatile** [MTT21]. **Voltage** [AMG<sup>+</sup>20, CCA<sup>+</sup>18a, CCA<sup>+</sup>18b, WCL23]. **Volume** [WA21, WAH21]. **Vortex** [ETR<sup>+</sup>20, TEYK21, TYEK21]. **VOSySmonitoRV** [CIPR21]. **VP** [APHD21b]. **VPQC** [XHY<sup>+</sup>20]. **vs** [LGB17]. **VSDFLOW** [GG18]. **VTF** [JHLD21]. **Vulnerability** [KNK<sup>+</sup>21, GYW<sup>+</sup>23]. **Vulnerable** [AHV<sup>+</sup>21, HVW<sup>+</sup>21]. **VVT** [AAC<sup>+</sup>23].



**W** [CRP<sup>+</sup>23, GZK<sup>+</sup>21, LWA<sup>+</sup>14, NRB<sup>+</sup>23, SB23]. **Wally** [HHTo23]. **WasmAndroid** [WWN23]. **wave** [KKH<sup>+</sup>20]. **Wearable** [EMMB19, HCL<sup>+</sup>21, LHC<sup>+</sup>21, PLH<sup>+</sup>22, CPL<sup>+</sup>24]. **Web** [GSDB18]. **Web-Based** [GSDB18]. **WebRISC** [MG22]. **WebRISC-V** [MG22]. **weight** [MMR<sup>+</sup>17, RSM<sup>+</sup>23]. **Western** [Ano23f]. **Wi-Fi** [WRD<sup>+</sup>17]. **Will** [Gre20]. **Win** [Gen24]. **Winograd** [WZW<sup>+</sup>21]. **Winograd-Based** [WZW<sup>+</sup>21]. **wins** [SCR<sup>+</sup>17]. **Wireless** [ABP22, KIS20]. **Without** [MMA<sup>+</sup>18, Bis21]. **Word** [QLC20]. **Work** [HWG22, Liu21]. **Work-in-Progress** [HWG22, Liu21]. **World** [WTS21]. **Writing** [MTT21].

**x264** [WWW23]. **x86** [LF22]. **XACT** [PPS<sup>+</sup>19, PH18]. **xBGAS** [WLW<sup>+</sup>21]. **Xilinx** [KAR<sup>+</sup>19, WW19]. **XpulpNN** [GTC<sup>+</sup>20, GTC<sup>+</sup>21a, GTC<sup>+</sup>21b]. **Xuantie** [CXL<sup>+</sup>20a, CXL<sup>+</sup>20b]. **Xuantie-910** [CXL<sup>+</sup>20a, CXL<sup>+</sup>20b]. **Xvffloat** [GFB<sup>+</sup>24].

**Years** [Pat18]. **YOLO** [QLH21, ZZW<sup>+</sup>19]. **Yun** [PCO<sup>+</sup>23].

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