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2 [BSL17, LLC22, LD24, SKP+22]. 3 [CAY+18, CWMC16, DVG+23, JHH+23, LGP+16, LLC22, LD24, NRQ16b, SZJK18, SKP+22, ZSLX13]. 3 [CCZ13, DDT+17]. *K* [Abd20, WZX+24]. *QR* [BHWN21]. *Z* [SLM12].

***** [SCFD22].

-D [CAY+18]. **-means** [Abd20]. **-mer** [WZX+24]. **-polytopes** [SLM12].

/channel [LCL+14].

000-core [DAKK19].

2.5D [SKP+22]. **2014** [Aca16, Ano15].

4.0 [KHB+20].

6 [KWM+08]. **64-bit** [BWLR06, VED07].

7 [BKM+17]. **754** [LDG+13].

A-DFA [BC13]. **Abakus** [WZX+24]. **Aborts** [RLS15]. **ABS** [AGI+12]. **Abstract** [LMA+16, PD17]. **Abstracting** [JSH09]. **Abstraction** [RLBBN15, ZM15, RCV+12]. **Accelerate** [CNS+16b, LCW+23]. **Accelerated** [HS05, SWF16, VZT+20, ZPL+21, ZLM+23, GMZ+21, JED19]. **Accelerating** [BAZ+19, CGP23, DAKK19, FPK+24, GGYK19, GÁSÁ+13, GR15, HHW+22, JYJ+13, KFJ20, LCP+21,

LWF+16, LGH+21, RMA14, SJC+21, TMP16, WPR+22, WZX+24, XSF+23, ZBC+22, HWX+13]. **Acceleration** [Abd20, BHWN21, GáSÁ+16, HAC13, RVKP19, WFKL10]. **Accelerator** [CLA+19, DLS22, MCB+12, MMLS21, SMN22, SNK+23, YXMC23, YZZ+23, YCA18, LHWB12, TWB21, VDSP09]. **accelerator-based** [LHWB12]. **Accelerator-bound** [CLA+19]. **Accelerators** [CKP+22, JHHM21, KCA+13, KMG14, LWC+22, LSH+23, MTK18, SJD22, USCM16, BKA13, CI13]. **Access** [CG15b, CSK19, GFD+14, HK14, LGP+16, LHC+17, LWS+19, LTX16, PWE20, SKH+16, XHJY16, XVT20, CLA+19, FTLG11, HLR+13, HCC+14, JSH09, KCKG14, LWH11]. **Accesses** [CSY20, HEDH21]. **Accounting** [LMA+16, DEE13, LMCV13]. **Accumulate** [GG18]. **Accumulation** [ZBC+22]. **Accuracy** [AAI+16, ASS17, AMS23]. **Accurate** [NDP17, SCMU22, SMM+23, WAST16, LMJ+13b]. **ACM** [Aca16, Ano13a, Ano15, Bil19]. **Across** [ELE+23, FDF+14, NDP17, SW17a]. **ACTION** [MK23]. **activations** [JLCR13]. **Active** [KHS+14]. **Adapt** [DGI+14, PGB13]. **adaptation** [DJB13, LGAZ07, SS04]. **Adapting** [GHH15, LBJ05]. **Adaptive** [CG14, CWMC16, FQRG13, GWZ22, GFD+14, HWX+13, JRK16, Lee16, LYH16, LGH24, MK23, Per18, SOAK23, WCI+16, WM11, AGI+12, JML+20, MAN+08, RBM10, SW13, YRGES+19, ZK05]. **Adaptively** [ZCF18]. **Adaptivity** [DRHK15]. **Address** [AKBS21, BDB+20, CTY+23, JED19, OAM19, SKAEG16, YSH+22, ZCDD23, CCZ13, VS08, ZPC06]. **Address-first** [OAM19]. **Addressability** [YXS+22]. **Addressing** [WA08, CWCS13]. **Advancing** [FSP+23, TZK18]. **Affine** [AP17, NCC13, SLM12]. **Against** [BCHC19, ERAG+16, PHBC17, BVIB12, SDK+22, ZHS+19]. **Agent** [JPS17, KKL+24]. **Aggregate** [LY16]. **Aggregation** [AYC16, JZY+22]. **Aggressiveness** [PB15]. **Aging** [DGI+14, KKW+15, LRBG15]. **Aging-Aware** [LRBG15]. **Agnostic** [SLJ+18, ZDC+16]. **agreement** [GMW09]. **Ahead** [PKPM19]. **Ahead-of-Time** [PKPM19]. **Aho** [CW13, PLL10]. **AIM** [AYC16]. **ALEA** [MPW+17]. **Algebra** [APG+23]. **Algorithm** [BC13, DGI+14, DTD16, LCW+23, BRSJG12, CW13, CDPD13, HAJ+12, PLL10, XC06, ZGC+12]. **Algorithmic** [AAI+16, NCC13]. **Algorithms** [Pro21, OGK+12, VTN13]. **All-gather** [Pro21]. **All-photonic** [DLS22]. **Alleviate** [ZZH+23]. **Allocation** [DHD+14, JCG+24, KPM21, LDL22, PS12, RTK15, BZS13, CS10, GW09, RB13]. **allocator** [DHC+13]. **ALP** [SLA+07]. **Alternative** [Mic18, SKPD19]. **Analogue** [DSK19]. **Analyses** [SGS+20]. **Analysis** [ACG24, AGG22, CLA+19, DZSL20, DSR15, FPK+24, GAM12, GAH22, JK17, KR19, LMZ18, LLS23, MMdS06, SQZK20, SSW+19, VTN13, VGX16, XFS+19, ARS04, AFD12, FER+13, JOA+09b, Nas13, SV05, SMK10, ZCW10]. **analytic** [XMM04]. **Analytical** [BEE15, AFD07, CA11]. **Analytics** [KPP21]. **Analyzer** [SCMU22]. **Analyzing** [WLWB19]. **Anatomy** [LCP+21]. **Annotation** [MGA+17]. **Anomalies** [LDC15]. **Ant** [SGM+22]. **Anticipating** [LJMG12]. **ApHMM** [FPK+24]. **API** [CI13]. **Application** [GTT+16, LWC+22, OKJ+22, PLT+15, SCFD22, UDLD20, AS13, GÁSÁ+13, RCV+12, SB09, TDP15]. **Application-Guided** [GTT+16]. **Application-Level** [PLT+15]. **Application-oblivious** [LWC+22]. **Application-Specific** [UDLD20]. **Applications** [ASS17, AZG17, APS22, CPG21, DMR+16, DTD16, DPBI+19,

FWJ+16, GR15, HDW21, JYE+16, KPRK20, LWS+19, LSH+23, MST+21, MPU+23, NKH16, NMPS22, RHLA14, RSU+20, RMA14, RLBBN15, TMSR23, UPR22, WZG+19, XFS+19, CS13, DWDS13, HLR+13, KNBK12, MBKM12, STLM12, SV05, SLA+07, SLM12, YLTL04, ZG05]. **Applied** [LB10]. **applying** [ZWHM05]. **Approach** [AZG17, CNS+16b, CKP+22, EMR14, FDF+14, GGK18, KS16, MRK+22, RKL23, TS15, WAST16, WZG+19, ZX16, FT10, SSR13, WYJL10, YJTF13, ZCS06]. **approachable** [WHV+13]. **Approx** [AMS23]. **Approx-RM** [AMS23]. **Approximate** [DS12, SPS23, YPT+16]. **Approximation** [SMM+23, LTG12]. **Apps** [MPHL22, PCM16]. **Arbitrary** [PWE20, RHC15, WMGS19, WWGS22]. **arbitration** [XCC+13]. **Architecting** [CPB+07, NTV+22]. **Architectural** [CPS+15, DCP+12, HEMK17, KLA+19, LZZ+22, ME15, QSZ+21, WAST16, WZG+19, YHYBAM20, IMS+08, SB09, ZZQ+05, CWC06]. **Architecturally** [KBB+14]. **Architecture** [BOEN23, FBC+22, HK14, KAC+18, LWS+19, OK21, PVS+17, SLJ+18, SM19, SHY14, SWF16, SAM+23, VC16, VFJ+17, XMW+21, XVT20, ZFT+18, ZML+24, ARS04, BVIB12, BWG+12, CPB+07, DJX13, GKP14, GSZI10, JYJ+13, JA14, LNLK13, PM12, STLM12, SNL+04, SRLPV04, SSPL+13, ZK06]. **Architecture-Agnostic** [SLJ+18]. **architecture-independent** [BVIB12]. **Architectures** [ÄJE+16, ASK+16, ASP17, CG15a, CEP+16, CDPN16, GR15, HAM17, HAM19, HHW+22, JLJ+18a, JLL+23, LAS+13, LZM14, MST+21, MK23, PT17, RMA14, SJL+20, ZLYZ16, ZCQ+19, BBG13, BWLR06, BTS10, CG14, CK11, CDM13, KCP13, LKL+13, OGK+12, RCV+12, SSK11, SD12, SB09, TC07, TDG13, VE13, YXK+12]. **Area** [LAS+13, MP22, MPU+23, SB09]. **Area-Efficient** [MPU+23, SB09]. **ARI** [FQRG13]. **Arithmetic** [LVR+15, UDLD20, BWG+12]. **ARM** [GDL16, HZN+22, LHW+19, SHY14, SPH+17]. **ARM-to-x86** [LHW+19]. **ArmorAll** [KPRK20]. **Array** [DSK19, WG17, XMW+21, BWLR06, KLMP12]. **Arrays** [LMSE18, TD16, YSD+23]. **Arrival** [Pro21]. **ARSEC** [DDT+17]. **Art** [MWJ19]. **As-Is** [SPS23]. **ASA** [ZBC+22]. **ASM** [SOAK23]. **Assembly** [LVR+15]. **Assigned** [DCL+22]. **Assignment** [CSW+23, JOB+22]. **assistance** [JOA+09a]. **Assisted** [CDPN16, HNKK17, JDZ+13, KKAR16, PHBC17, CST+06, ZZL+21]. **associative** [HL07, KWCL09]. **associativity** [YJTF13]. **Asymmetric** [ZCQ+19, CG14, CCPG13, PCT12, SW13]. **Asymmetry** [LHW+19]. **Attack** [DHX+22, LFK19]. **Attacks** [BCHC19, ERAG+16, PHBC17, SKS23, ZHS+19, BVIB12, CCD12, DJL+12]. **Attribution** [TMSR23]. **AUKE** [DSK19]. **Auto** [APG+23, CG15a, SAT20, WG17]. **Auto-Tuning** [CG15a, WG17, APG+23]. **Auto-Vectorizing** [SAT20]. **Automata** [EZYA23, LZZ+22, VW11]. **automatable** [AFD07]. **Automated** [ASS17, BSSS14, BCHC19]. **Automatic** [AMG16, DSK19, HEDH21, JLER12, LBO14, LT13, MGA+17, NC15, RB13, TPB24, WLZ+13, WGO15, WM10, XZC+20, SPS12, WKCS12]. **Automatically** [VZT+20]. **Automating** [TWB21]. **Automotive** [FWJ+16]. **Autonomously** [DGI+14]. **Autotuning** [AMP+16, CCCA20, SYE19, TIP+23, YAG+16, KBR+13, LFC13]. **Autovesk** [TPB24]. **Availability** [OK21]. **Avionics** [DPBI+19]. **AVPP** [OAM19]. **Aware** [APG+23, ACA+19, BB21, DGI+14, CG15a, DTD16, DHX+22, DHD+14, GVT+17, JYW22, KFEG18, KMAK22, LYH16,

LHS+24, LRBG15, MN24, PVA+17, PG17, RSK+18, SEF+19, SLJ+18, SJD22, SCK+21, SKH+16, SZJK18, SKPD19, SGM+22, UPR22, USCM16, WLZ+13, WJXC17, ZPL+21, ZCQ+19, ZZH+23, ZWY17, BOEN23, CPB14, CG14, CHD+23, CLA+19, CWCS13, EE09, GGFPRG12, HAM+20, KABS22, NB13, SLS+21, SSS+04, SAL19, SL20, SEP07, WYJL10, WSC+13, WDXJ14, YZZ+23, ZYCZ10, ZDC+12, ZK06, JZY+22]. **Awareness** [HLSW17, LKL+13].

Backup [LYLS24]. **Bahurupi** [PM12]. **Balancing** [LLRC17, PGB16, WWH+16]. **Band** [SPS17]. **Band-Pass** [SPS17]. **Banded** [BSL17]. **Bandwidth** [LGP+16, LDMZ19, ZCCD16, ZCQ+19, DZC+13, WYJL10, XCC+13]. **Bandwidth-Asymmetric** [ZCQ+19]. **Bank** [JFK20, LCL+14, XGD+23]. **bank-** [LCL+14]. **bank-/channel-level** [LCL+14]. **banked** [AGI+12]. **Banking** [MP22]. **Banks** [ZCF18]. **Bare** [RKL23]. **Bare-wire** [RKL23]. **Barrier** [CDM+22]. **Base** [AGG21]. **Base-2** [AGG21]. **Based** [ÄJE+16, CNS+16b, CG15a, CTY+23, CCL+24, CG15b, DSR15, DAD16, DAP+15, DWF+23, ELE+23, EZYA23, FDF+14, GAM12, HYYAM16, JPS17, JHQ23, KS16, LCS+19, LLC22, LTX16, LLLW22, LY16, LYLS24, MNC+16, MTK18, NC15, RAF22, SBS16, TAB+21, WGO15, WDX15, WCI+16, WWC+16, WMGS19, WDW+22, WLLW20, XHJY16, XFS+19, YHYBAM20, ZX19, ZLC+15, ZSM+16, ZGX22, AvRF07, AGG22, BCVT13, CPP08, CW13, GK13, HLR+13, HAJ+12, HWM14, HWX+13, JYJ+13, JFK20, JML+20, JLL+23, JRH21, KPRK20, KBR+13, LBO14, LTG12, LCL+14, LHWB12, MRK+22, MPHL22, OLK+23, OK21, PLK+19, PL23, RLS13, SS04, SKKB18, SSP+23, TKJ13, WSC+13, WTFO14, WWGS22, ZHD+04, ZGC+12, ZFT+18, ZXX23, ZML+24, WGL+24, SNK+23]. **Batch** [FLW+24, SAG22]. **Batched** [JYM20]. **Batching** [SAG22]. **Bayesian** [AMP+16, MMLS21]. **Be** [SW17a]. **Behavior** [HPBS21, AFD07, LS10]. **Benchmark** [ABB+16, AYL+18, CCM+16, DDT+17, DS16, BE13]. **Benchmarking** [DAP+15, XZC+20]. **benchmarks** [JEBJ08]. **Benefits** [LWWH12]. **Benzene** [KAC+18]. **BestSF** [BJWS18]. **Better** [ZXX23, TBC+12]. **Between** [EPS17, NMPS22]. **Beyond** [AGG21, FER+13, LCP+21]. **Bias** [Lee16]. **Big** [ZLYW18, ZLC+15]. **Big-Memory** [ZLC+15]. **Bimodal** [TD16]. **Binary** [DGGL16, GDL16, HWL+19, LHW+19, RKC+20, SHY14, CDM13, GHS12, HS06, HLC10, LWH11, PKC12]. **bipartite** [BZS13]. **Bit** [TBS06, BWLR06, VED07]. **Bit-split** [TBS06]. **BitSAD** [DZSL20]. **Bitstream** [DZSL20]. **bitwidth** [NB13]. **bitwidth-aware** [NB13]. **Blaze** [PWPD19]. **Blaze-Tasks** [PWPD19]. **Block** [GFD+14, HAM+20, KTAE16, LLRC17, LTX16, MPPS18, MK23, TZK18, TAB+21, ZK06]. **Block-aware** [ZK06]. **Blocked** [BHWN21]. **Blocking** [JHQ23, IPSD21]. **Blocks** [HWJ+15, SYX+15]. **body** [WPR+22]. **Boltzmann** [PAVB15]. **Bones** [NC15]. **Boost** [KABS22]. **Boosting** [ASV+16, KH18, RLS13, BTS10]. **both** [BSWLE13, HP04, MP13]. **bottlenecks** [MMdS06]. **bound** [CLA+19, MBKM12]. **bounded** [HS06]. **Bounding** [XMM04]. **Bounds** [ESR+15, BWLR06, JRH21]. **BPM** [LCL+14]. **BPM/BPM** [LCL+14]. **Brain** [vdVSAAS20]. **Brain-Simulation** [vdVSAAS20]. **Branch** [EPAG16, LIS20, LWL18, Mic18, CZ07, HWH+11, Jim09, JSM+04, LBJ05, MG12, TS05]. **branch-predictor** [JSM+04]. **branch-target** [LBJ05]. **Branches** [DGGL16]. **Breakdown** [HYYAM16]. **bridging** [HCC+14]. **Bringing** [DDT+17].

buddy [KWCL09, ZJJ+15]. **Budget** [LWF+16]. **Buffer** [LDY+21, LSH+23, SLH+20, SL20, LBJ05, RB13]. **Buffering** [YMM+15, GPL+05]. **Bugs** [AAI+16]. **build** [SSH+13]. **Building** [KRHK16, SGS+20, WDX15, XZW+22]. **BullsEye** [SMM+23]. **Buri** [ZLC+15]. **Burst** [SLH+20]. **Byte** [TDS+21]. **Byte-Select** [TDS+21].

C [CWW+16, NC15, NED+13, ZZB+19]. **C-to-CUDA** [NC15]. **C/C** [NED+13]. **C1C** [LZL+13]. **CACF** [ZFT+18]. **Cache** [CKPH19, CS21, CAGS17, DAD16, DVG+23, GFD+14, HK14, HMYZ15, KR19, KAC+18, KAC15, KDMA23, LLRC17, LWS+19, Mic16, MK23, PLK+19, RGK+23, RS21, SSW16, SBS16, SMM+23, SKH+16, SSP+23, SDS+21, SJC+21, SWO21, SLJ+19, TWB21, VPTS19, WSJ+21, WJXC17, YDL+17, ZWY17, ZWL+19, APG13, AGVO05, AGI+12, AFD07, BSWLE13, CA11, CWS06, DJL+12, FTLG11, GGFPRG12, GSZI10, HAJ+12, KS11, KWCL09, LCC11, LZL+13, MMdS06, RFD13, SS04, SBC05, SSH+13, TKJ13, VSP+12, WSC+13, WDXJ14, ZHD+04, ZVYN05, Zha08, NTG13]. **cache-coherence** [MMdS06]. **cache-coherent** [APG13]. **cache-content-duplication** [KS11]. **Cache-Ways** [CS21]. **CacheInspector** [SDS+21]. **Caches** [CAGS17, CPS+15, GBD+15, JPS17, SBS16, WDX14, AIVL13, DJL+12, HS06, HL07, KS11, KWCL09, LJMG12, MSK05, SSK11, SSC+13, VSP+12, WDXJ14, WLZ+10, WM11, ZDC+12]. **Caching** [DNT16, SYX+15, DZC+13, JOA+09a, WFKL10]. **CACTI** [BKM+17]. **Caffe** [RSK+18]. **CAFFEINE** [PB15]. **CAIRO** [HNKK17]. **Calculation** [SMM+23, YSH+22]. **Caliper** [KLA+19]. **Call** [HZN+22, Lee16, MG12]. **Call-Site** [HZN+22]. **Calls** [DKK+21]. **Capability** [AHA+19, DGI+14]. **Capacity** [GBD+15, SSK11, WM11]. **Captioning** [HHW+22]. **Captures** [MPHL22]. **Capturing** [XDXL19]. **CARL** [DCL+22]. **CART** [CDPD13, CDPD13]. **Case** [ANS+22, KH18, MMS15, MKC+22, SKAEG16, SSRS15, AFD12, RPS06, WK09, LB10]. **CASHT** [GAH22]. **CATCH** [KS11]. **Caused** [SYX+15]. **CAVA** [CST+06]. **CC** [CCZ13]. **Cell** [SSP+23, YMM+15, STLM12]. **Cell-based** [SSP+23]. **cells** [JSM+04]. **Center** [FXC+15, JYW22]. **centers** [AVG12]. **Centralized** [LDY+21]. **Centric** [CKP+22, JLJ+18a, SJL+20, XGD+23]. **CERE** [DAP+15]. **CG** [MAD17]. **CG-OoO** [MAD17]. **CGRA** [HAC13]. **CGRAs** [CPG21]. **Chain** [FPMR21]. **chains** [SSH+13]. **Chameleon** [WFKL10]. **Change** [HASA16, JDZ+13, NTV+22, YMM+15, ZDC+12]. **Channel** [BCHC19, BVIB12, Bis21, DJL+12, JFK20, LFK19]. **channel-level** [LCL+14]. **Channels** [DJC16, EPAG16, JHQ23]. **chaotic** [LTG12]. **Characterization** [CVB15, HKA+19, HPBS21, DS12, FER+13, VW11]. **Characterizing** [BCM11, ZNTJE23]. **Check** [JRH21]. **Checking** [KK15, BWLR06, MG13]. **Checkpoint** [GW09, ARS04, CST+06]. **checkpoint-assisted** [CST+06]. **Checkpointing** [AEE+19, WZG+19, DXMJ11]. **Chief** [Kae20]. **Chip** [BKM+17, CS21, CCL+24, CPS+15, CEP+16, DJC16, EPS18, LBM13, VFW16, ZNTJE23, APG13, BKA13, CK11, EE11, GSZI10, JPS17, LWWH12, LT13, LNLK13, LAS+08, LM05, LPZI12, LDL22, LMMM08, SSH19, SMK10, TDG13, XCC+13]. **Chips** [LCS+19, ZM15]. **choices** [VE13]. **Chunking** [MG20]. **CIB** [LDY+21]. **CIB-HIER** [LDY+21]. **CIM** [JLL+23]. **Circuit** [ZFT+18, DJX13]. **circuit-architecture** [DJX13]. **Circuits**

[KKW+15]. **Circuits/Cores** [KKW+15]. **Citadel** [NRQ16a]. **Class** [AAI+16, PAVB15]. **Classes** [JHQ23]. **Classification** [DRHK15, MCB+12, SNN+19, CDPD13, LMJ13a, NCC13]. **client** [KWM+08]. **Climate** [GMZ+21]. **Clock** [CCL+13]. **Closer** [HZN+22]. **Cloud** [CSW+23, QYZ+14, XZW+22, XZC+20]. **Clouds** [SDS+21]. **Cluster** [SKKB18, YCA18, TC07]. **Clustered** [LZM14, MMS15, ACGK04, SW13]. **Clustering** [MNC+16, WMGS19, DS12, JLCR13, SB09]. **Clustering-Based** [MNC+16, WMGS19]. **Clusters** [KHS+14, MMS15]. **CMP** [CPB+07, LMCV13, SSK11, SLJ+18, WM11]. **CMPs** [ABK21, LMJ13a, LY16]. **CNN** [CSRP22, JHH+23]. **CNNs** [JML+20]. **Co** [AHA+19, JPS17, KHN+18, LZW23, SOAK23, ZFT+18, ZPH+23, DJX13, YLW08]. **Co-iteration** [ZPH+23]. **Co-located** [LZW23, SOAK23]. **Co-location** [KHN+18, YLW08]. **Co-optimization** [JPS17, ZFT+18, DJX13]. **Co-Processor** [AHA+19]. **coalescing** [SSU+13]. **coalescing-lowering** [SSU+13]. **Coarse** [LMSE18, MAD17, TD16, KCP13]. **Coarse-Grain** [LMSE18, MAD17]. **Coarse-Grained** [TD16, KCP13]. **Coarsening** [SF18]. **COBAYN** [AMP+16]. **CODA** [KHN+18]. **Code** [DKK+21, CZ07, DSK19, HZN+22, CDM+22, JCG+24, KL19, PAVB15, PKPM19, SYE19, TMSR23, TPB24, ZPH+23, AvRF07, CDM13, GNB08, HLR+13, HS06, JLER12, KBR+13, LKL+13, LBJ05, LZYZ09, LHY+06, PKC12, RCG+10b, VJC+13, ZK05, ZWHM05]. **Code-level** [TMSR23]. **code-positioning** [ZWHM05]. **Codelet** [DAP+15]. **Codes** [CWMC16, LCW+23, TZK18, AFD07, AFD12]. **Codesign** [KCA+13]. **Codesigned** [KMG14]. **Coding** [PM17]. **Coherence** [ANS+22, DRHK15, KBB+14, KAC15, PL23, MMdS06, SSH+13, VHKP11]. **coherent** [APG13]. **Collaborative** [LLLW22, FT10]. **collapse** [CWCS13]. **Collection** [ASV+16]. **Collective** [FT10]. **collector** [WK09]. **colocated** [DWDS13]. **Colocation** [LSL20]. **Colony** [SGM+22]. **Coloring** [YWXW12, LFX09]. **Column** [ZBC+22]. **Column-wise** [ZBC+22]. **Combination** [LDMZ19]. **Combinatorial** [SKPD19, SSR13]. **combined** [BWG+12]. **Combining** [VSP+12, YRGES+19]. **CoMeT** [SKP+22]. **Commodity** [GWZ22, WDX15]. **common** [WK09]. **Communication** [DSR15, HAM17, TN20, XDXL19, XDW+23, HWX+13, SSPL+13, TC07]. **communications** [ACGK04]. **Compact** [HEMK17, SHC13]. **compaction** [WK09]. **Comparability** [YWXW12]. **Comparative** [LAS+08]. **Comparators** [YEI+14]. **comparison** [FBWS13]. **CompEx** [PM17]. **Compilation** [DMR+16, HZN+22, JLL+23, KVH23, LT19, LLLW22, LRBG15, PKPM19, RVKP19, SYE19, SN17, ZC20, CI13, JK13, KHL+13, LBO14, LZYZ09, PC13]. **Compile** [KTAE16]. **Compile-Time** [KTAE16]. **compiled** [NED+13]. **Compiler** [AMP+16, ABP+17, BKS+22, CGP23, CCD12, DZSL20, DCL+22, DMG13, EAH+20, EPS17, GGK18, GMZ+21, HNKK17, HYAR+15, JRH21, KPRK20, KPP+15, LFX09, MNC+16, MG12, MPHL22, NKH16, NC15, PHBC17, ZSCM08, ZX16, CYXF13, DC07, HWM14, HLC10, JOA+09a, JOA+09b, KBR+13, KWM+08, LZL+13, LCH+04, TR13, YXK+12, ZHD+04]. **Compiler-Assisted** [HNKK17, PHBC17]. **Compiler-based** [JRH21, KPRK20, ZHD+04]. **Compiler-Directed** [HYAR+15, LFX09]. **compiler-guided** [LZL+13]. **Compiler-Oriented** [GGK18]. **Compiler-support** [EAH+20]. **Compiler/Runtime** [KPP+15]. **Compilers**

[PBCB22, SAT20, CDM13, HEL+09, SD12]. **Compiling** [LSH+23]. **Complex** [SHD15, vdVSAAS20, SLA+07]. **Complexities** [GHH15, ZBH+13]. **Complexity** [GG18, KAC15, LNFE22, CPP08, DJL+12, RPS06, SRLPV04]. **complexity-effective** [RPS06]. **component** [LGAZ07]. **Composable** [FBC+22]. **Comprehensive** [CPS+15, HKA+19]. **Compressed** [SSW16, ZML+24, DZC+13]. **Compression** [BC13, KPM17, LMSE18, PM17, RS21, SW17a, TDS+21, WYZ+23, KGK10]. **Compression-Expansion** [PM17]. **Compression/Decompression** [LMSE18]. **Compressive** [WCI+16]. **Compromising** [Bis21]. **Computation** [CWW+16, DJZ+23, HAM17, JHHM21, JLL+23, KHN+18, VZT+20, DDU12, LFC13]. **Computational** [CRC+21]. **Computationally** [DSH+18]. **Computations** [BKS+22, PAVB15, SQZK20, SHS+20, CYXF13]. **Compute** [DAKK19]. **Computers** [LD24]. **Computing** [BSG23, DZSL20, DSH+18, KHS+14, LCS+19, Lou19, ME17, MPU+23, PKL+24, PWPD19, SW17b, SPS23, TCS16, XZC+20, XGD+23, ZLYW18, ZLC+15, AVG12, LM05]. **conceived** [APG13]. **Concurrency** [AAI+16, GMGZP14, ME17, MLB+23]. **Concurrent** [LDMZ19, MKS22, PCM16, ZZH+23]. **Conditional** [Mic18]. **conditionals** [JSL13]. **Configurable** [NRQ16b, TGRK21, XMW+21, HVJ06, LZL+13]. **Configuration** [LL22]. **Conflict** [JFK20, WZZ+20]. **Conflict-based** [JFK20]. **Conflict-free** [WZZ+20]. **conflicts** [TGAG+12]. **Congestion** [YRGES+19]. **connected** [BRSJG12]. **conscious** [LZYZ09]. **Conserving** [LYYB07]. **Considerations** [HMYZ15, MTK18, LM05]. **considering** [AVG12, HP04]. **Consistency** [HZN+22, LLW+22, NZ15]. **Constrained** [LZM14, NMPS22, MSF+07, NMKS06, ZK05]. **Constraint** [RAF22]. **Constraints** [AEJE16, APS22, AMS23, CSF+20, KCA+13, WYJL10]. **Construction** [DPBI+19]. **Consumer** [LYLS24]. **Consumption** [BNS+21, CS21, FCD+17, GFD+14, LTG12, LYYB07, VED07, ZHD+04]. **Contech** [RHC15]. **content** [KS11]. **Contention** [DHX+22, GWZ22, GAH22, KMAK22, LLC22, LZW23, CWCS13]. **Contention-Free** [LLC22]. **Context** [EPS17, DMG13, LS10]. **continual** [JA14]. **Continuous** [TR13]. **Contraction** [ZPH+23]. **Control** [AP17, BRJM15, HAC13, HHC+16, SMKH15, SKH+16, YRGES+19, CWC06, FSYA09, IWP+04, MBKM12, TG07]. **Control-Flow** [SMKH15]. **Controlled** [ASS17, NTV+22, RCV+05]. **controller** [AGI+12]. **Conventional** [NRQ16b]. **conversion** [CS13]. **Converting** [HLC10]. **Convolution** [ADGA20, FSP+23, KDMA23, LCP+21, WLJ+24, FBWS13]. **Convolutional** [GG18, GLTV23, JHHM21, RAF22, SMN22, TDP15, XMW+21, XSF+23, ZFF+18]. **Convolutions** [TIP+23]. **cooling** [AVG12]. **cooling-computing** [AVG12]. **Cooperation** [TZK18]. **Cooperative** [Abd20, DNT16, JPS17, JDZ+13, LBM13, NMPS22, SHLM14]. **Coordinated** [LDMZ19, ZDC+16]. **Copious** [DVG+23]. **Coprocessor** [MPU+23, LDG+13]. **Corasick** [CW13, PLL10]. **Core** [CHE+14, CS21, CC18, FMY+15, JLJ+18a, LNFE22, LBM13, PVS+17, SPS17, SPH+17, TGRK21, ZLYZ16, DAKK19, JYM20, JHH+23, LNLK13, MLC+23, MRK+22, OGK+12, PM12, QSZ+21, SSS+23, ZGC+12]. **Cores** [CAY+18, DT17, HYYAM16, JPS17, KKW+15, KABS22, MMS15, TCS20, TDO16b, ZCF18, GB06, NTG13, PCT12,

SW13, WYJL10, WFKL10]. **CoreUnfolding** [APBR16]. **Corner** [DDT+17]. **Correct** [DPBI+19]. **Correct-by-Construction** [DPBI+19]. **Correcting** [SPM17, TZK18]. **Correction** [DGI+14, CWMC16, Lee16, LSC+15, LDC15]. **Correctness** [PD17]. **correlating** [TKJ13]. **Correlation** [WPR+22]. **coscheduling** [PGB13]. **Cost** [KBB+14, LGP+16, MN24, SSW16, SKPD19, YEI+14, AGI+12, DC07, FBHN04, MA08, SBC+22]. **COTS** [RGG+12]. **Could** [SW17a, ZPR+17]. **Counter** [WCI+16]. **Counter-Based** [WCI+16]. **Counters** [LGH24, NDP17, RLS13]. **Counting** [WZX+24, RBM10]. **Coupled** [Abd20, PCT12]. **covering** [PJ13]. **Covert** [EPAG16]. **COWS** [MN24]. **COX** [HLSK22]. **CPU** [Abd20, BSSS14, LMCV13, PGB16, WLWB19]. **CPUs** [BHC+16, HLSK22, WLJ+24]. **Crash** [LLW+22]. **Creating** [CPG21]. **Creation** [THA+21]. **Critical** [EAH+20, LYLS24, RGG+12]. **Criticality** [FWJ+16]. **CRNS** [AS13]. **Cross** [ERAG+16, LGAZ07, LGH24, LVR+15, OTR+18, SWF16, TWB21, VOK+22, WAST16, ZLYZ16]. **Cross-accelerator** [TWB21]. **Cross-Architecture** [SWF16]. **Cross-component** [LGAZ07]. **Cross-Layer** [ERAG+16, OTR+18, WAST16, VOK+22]. **Cross-Loop** [LVR+15]. **Cross-Platform** [ZLYZ16, LGH24]. **Crowd** [MPHL22]. **Crowd-sourced** [MPHL22]. **Crown** [MKKE15]. **Cryptographic** [Bis21]. **cryptography** [AS13]. **CTA** [LDMZ19, UPR22]. **CUDA** [HLSK22, KBR+13, NC15, VJC+13, WG17]. **Customized** [CPG21]. **CXL** [WGL+24]. **cycle** [DEE13, RLS13].

D [LLC22, LD24, BSL17, CAY+18, CWMC16, DVG+23, JHH+23, LGP+16, NRQ16b, SZJK18, SKP+22, ZSLX13]. **D-CNN** [JHH+23]. **d-Packed** [BSL17]. **D-Stacked** [DVG+23, LGP+16, NRQ16b]. **D/** [LLC22, LD24]. **DAG** [CCL+24]. **DAG-Order** [CCL+24]. **DAPSCO** [GGFPRG12]. **dark** [PCT12]. **DarkCache** [ZCF18]. **DASH** [USCM16]. **Data** [ASH20, ACGH24, AMG16, CKP+22, CDPN16, DAKK19, EPS18, ESR+15, EAH+20, FXC+15, GAM12, GLTV23, HAM17, HAM19, HLSW17, IPSD21, JYW22, JLJ+18a, KPM17, KHN+18, LWL18, LLS23, LYLS24, MST+21, ME15, ME17, MTK18, MNSC16, MGA+17, MGSH16, NKH16, NSF+21, PD17, RMA14, RTK15, SKH+16, SJL+20, SJC+21, SWO21, TMSR23, TDP15, VFJ+17, WGO15, WZG+19, YXS+22, YMM+15, ZLYW18, ZNTJE23, ZLWS24, AVG12, AGG22, BSWLE13, CS10, CA11, CDPD13, CWC06, FER+13, FLG12, HLR+13, HL07, LWH11, LJMG12, PC13, RB13, RFD13, STLM12, TG07]. **Data-Centric** [CKP+22]. **Data-Driven** [ME15, ME17, ASH20]. **data-flow** [PC13]. **Data-Parallel** [MGSH16, NKH16]. **Data-Race-Free** [MNSC16]. **Data-Rate** [EPS18]. **Data-Traversal** [RMA14]. **Database** [BAZ+19]. **Datacenter** [HZC+23]. **Datacenters** [CSW+23, XVT20, ZFL18]. **Dataflow** [CPG21, DT17, FLW+24, KPP+15, MMT+12, VTN13]. **Datapath** [IWP+04]. **Datasets** [WLWB19]. **DawnCC** [MGA+17]. **DCMI** [KFJ20]. **DCNNs** [ESB+20]. **DDR4** [TKM14]. **DDRNoC** [EPS18]. **Dead** [MPPS18]. **Dead-Block** [MPPS18]. **Deadline** [LZM14, USCM16]. **Deadline-Aware** [USCM16]. **Deadline-Constrained** [LZM14]. **deadlock** [BRSJG12]. **deadlock-free** [BRSJG12]. **debugging** [VDSP09]. **decay** [JSM+04, SS04]. **Declarative** [CZGC20]. **decoders** [Zha08]. **Decoding** [CAMJ15, LCW+23]. **Decomposition** [BHWN21]. **Decompression** [LMSE18].

Deconstructing [CFH+12]. **Decoupled** [JHH+23, MPU+23, VPTS19, BZS13, DHC+13, RVOA08]. **Decoupling** [HAM17]. **Decreasing** [SWO21]. **Deep** [ASK+16, CKP+22, DLS22, JLJ+18a, MWJ19, RSK+18, WWW+21, WZWW23, XDXL19, XDW+23]. **Deeply** [GKCE17]. **DeF** [CPG21]. **DEFCAM** [LCC11]. **defect** [LCC11]. **defect-tolerant** [LCC11]. **Defined** [DMR+16, TGAG+12]. **Defragmentation** [PVS+17]. **DeFT** [VHKP11]. **Delay** [SKS23]. **Delay-on-Squash** [SKS23]. **Delivery** [ZZL+21]. **Delta** [DZC+13]. **Delta-compressed** [DZC+13]. **Demand** [ACG24, BRJM15]. **Dense** [ACGH24, CWW+16]. **Dependence** [BRJM15, DHD+14, JK17, KABS22, SL09, TG07, VTN13]. **Dependence-Aware** [DHD+14, KABS22]. **dependences** [BCVT13]. **Dependency** [WLZ+13, ZPL+21, ZZH+23]. **Dependency-Aware** [WLZ+13, ZPL+21, ZZH+23]. **dependent** [YZL+10]. **Deployments** [vdVSAAS20]. **depth** [HP04]. **Design** [CSF+20, CKPH19, CPS+15, ESB+20, KWM+08, LDY+21, MAY23, RTK15, SZJK18, SPH+17, SL09, UJW15, VHKP11, VKM+21, WLZ+10, BE13, CPP08, IMS+08, LB10, LCC11, LHZ13, VE13, ZK05]. **Designing** [BKA13, BSWLE13, MGSH16]. **Details** [FMY+15]. **Detecting** [DSR15, KS11]. **Detection** [BDB+20, CEP+16, LHC+17, MNSC16, SLH+20, WCI+16, WDW+22, YEI+14, LKL+13, TBS06, TDG13, VHKP11, WTFO14]. **Deterministic** [CCL+13, MLB+23, VSDL16, VW11]. **Detonation** [CAY+18]. **Devectorization** [KMG14]. **Development** [VCJ+17]. **Device** [MSFC21, RLBBN15]. **Device-Level** [RLBBN15]. **Devices** [LYLS24, TKM14, NMKS06, ZK05]. **DFA** [BC13]. **Diagnosing** [JLJ+18b]. **diagnosis** [BSO07]. **DiagSim** [JLJ+18b]. **Die-Stacked** [CWMC16]. **die-stacking** [ZSLX13]. **different** [YXK+12]. **Dimension** [LLC22, RTG+07]. **Dimension-Order** [LLC22]. **dimensional** [LT19, LL22]. **Direct** [DKB+20, FSP+23, LLRC17, YRGES+19]. **Direct-Mapped** [LLRC17]. **Directed** [HYAR+15, VZS+18, LFX09, NED+13, SEP07, WM10]. **directional** [XMW+21]. **directives** [CXW+12]. **Directories** [PT17]. **Dirty** [LLRC17]. **Dirty-Block** [LLRC17]. **Disaggregated** [DWF+23, HZC+23]. **Disaggregation** [MKC+22, WGL+24]. **discard** [LWWH12]. **Discovering** [YHYBAM20]. **Discrete** [ZSM+16]. **DisIRer** [HLC10]. **Disjoint** [SJA12]. **Disk** [LYK+15, WDW+22]. **disparate** [WLZ+10]. **Dispatch** [LLRC17]. **dispatching** [LZ12]. **dissemination** [LZYZ09]. **Distance** [DAD16, GGFPRG12, KR19, SCMU22, FER+13, FTLG11]. **Distance-aware** [GGFPRG12]. **Distance-Based** [DAD16]. **Distilling** [JEBJ08]. **Distinguished** [Aca16, Ano15, Bil19, Ano13a]. **distribute** [RFD13]. **Distributed** [JZY+22, KHS+14, KAC+18, MMGS21, MK23, SSS+23, TPN+20, XDXL19, XDW+23, ZPC06]. **Distrusting** [SOAK23]. **Divergence** [LWL18, SMKH15]. **Divergent** [GR15]. **Diverse** [LP17, SAL19]. **diversification** [CDM13]. **Diversity** [TDO16b, KNBK12]. **DJ** [DDU12]. **DJ-graphs** [DDU12]. **DL** [THA+21]. **DLP** [SNL+04]. **DNN** [LWC+22, WYZ+23, XZC+20]. **DNNs** [ZML+24]. **DNNTune** [XZC+20]. **Do** [ZPR+17]. **Document** [HKA+19]. **Doesn't** [LKV12]. **Domain** [CZGC20, CGP23, FBC+22, GáSÁ+16, GMZ+21, GÁSÁ+13]. **Domain-Specific** [GMZ+21, CZGC20]. **Domains** [SW17a]. **DPCS** [GBD+15]. **DPM** [GK13]. **Dragonfly** [CVB15]. **DRAM** [CKPH19, CAGS17, HCC+14, JLCR13, LLRC17, LCL+14, NCQ14,

OLK+23, OTR+18, TKM14, VPTS19, XGD+23, XHJY16]. **DRAMCache** [PG17]. **DRAMs** [LSC+15]. **Drift** [SZJK18]. **Drive** [MPHL22]. **Driven** [ME15, ME17, PB15, YXMC23, ZWS+16, ASH20, CDM13, FTLG11, PSL+23, SLP08, WTFO14, XT09, ZCS06]. **Dropping** [CNAA+22, GFD+14]. **DSL** [PBY+17]. **DSM** [JZY+22]. **DSM-aware** [JZY+22]. **DSPs** [VCJ+17]. **Dual** [EPS18, WZG+19]. **Dual-Page** [WZG+19]. **DUCATI** [JED19]. **duplication** [KS11, LKL+13]. **DVFS** [CS21, EE11, GK13]. **DxPU** [HZC+23]. **DynamAP** [LZZ+22]. **Dynamic** [BHC+16, CCL+24, CCCA20, DGGL16, DD16, DJB13, FER+13, FTLG11, FSYA09, GAM12, GDL16, GBD+15, HWL+19, KE15, KPP+15, KMG14, KKAR16, LKL+13, Lee16, LPZI12, LSL20, LTX16, LHW+19, LZZ+22, MG19, MG20, RHC15, SV05, SGS+20, SHD15, WWH+16, XHJY16, YZZ+23, ZWY17, BBG13, DWDS13, GHS12, HS06, HWH+11, HVJ06, JSH09, LWH11, LJMG12, LCL+14, MG12, NED+13, WSC+13, XMM04, ZZQ+05]. **Dynamically** [HDW21, LZ12, PGB12, KS11].

E-BATCH [SAG22]. **eager** [JLCR13]. **Early** [AKBS21, ZZL+21, JOA+09b, SLP08]. **Early-stage** [ZZL+21]. **Earth** [GMZ+21]. **Easier** [TIP+23]. **Easy** [TDG13]. **ECC** [CWMC16]. **ECCs** [ZWL+19]. **Echo** [CSF+20]. **EchoBay** [CSF+20]. **ECS** [SPM17]. **Edge** [SCK+21, SAM+23]. **Editor** [Kae20]. **Editor-in-Chief** [Kae20]. **Editorial** [CT08, Kae20]. **EECache** [CPS+15]. **Effective** [GMGZP14, HVJ06, KH18, PGB16, SSW16, SDK+22, SPS17, KHW+05, LWH11, RPS06, SBC05]. **Effectiveness** [JRK16]. **Effects** [DRHK15, DVG+23, MGI15, CK11]. **Efficiency** [AJK+12, CAMJ15, CSK19, DJZ+23, GBD21, HLSW17, JHHM21, LMSE18, LAAMJ15, OTR+18, OAM19, SL20, SCFD22, TCS16, ZJJ+15, BSWLE13, CWS06, RCG+10a, ZSLX13]. **Efficient** [AYC16, AEE+19, AKBS21, BSG23, BC13, CC13, CMAP22, CPS+15, DDU12, DKB+20, DD16, GáSÁ+16, GNB08, HAM19, HAC13, HEDH21, HEMK17, HFL+23, IMS+08, JYM20, KR19, KAC+18, KH18, KMG14, LLW+22, LWH11, LWS+19, LL22, LDC15, LGH24, MCB+12, MG19, MMLS21, MKKE15, MPU+23, MAD17, NMKS06, NSF+21, PDY+23, PS15, SYZZ+14, SN17, SAG22, TDP15, TTS19, WLJ+24, WZG+19, XZW+22, YMM+15, YZZ+23, ZPC06, ZHS+19, ZPL+21, ZZH+23, ZLM+23, ZML+24, ZLJ18, ZZQ+05, APG13, ARS04, CW13, CNAA+22, CWCS13, DLS22, DCP+12, FPK+24, GW08, JSL13, JOA+09a, KHW+05, LZYZ09, LMJ13a, LHZ13, Nas13, PLL10, RFD13, SPGE06, SHC13, SSP+23, SB09, TDG13, WWL+21, WYZ+23, XCC+13, YSH+22, ZGC+12, FSYA09, SLA+07]. **Efficiently** [NRQ16a, PCT12, RHC15, ZWL+19]. **EFGR** [TKM14]. **Elastic** [Per18]. **Element** [LVR+15]. **elementary** [LDG+13]. **Eliminating** [RCG+10b, SWO21]. **elimination** [JLER12, VED07]. **Elision** [CDM+22]. **Embedded** [GTT+16, GKCE17, KE15, KTAE16, CPP08, CDM13, GHS12, MP13, SHC13, SD12, XT09]. **embedding** [KKM+13]. **emergencies** [RCG+10b]. **emerging** [DXMJ11, XCC+13]. **empirical** [AvRF07]. **Emulation** [NZ15, TKKM15]. **Emulators** [HHC+16, TKKM15]. **Enable** [RAF22]. **Enabled** [TGRK21]. **Enabling** [BGG+15, CC18, HNKK17, JYM20, KHN+18, SKAEG16]. **Enclaves** [PKL+24, YGB21]. **Encoding** [LCW+23, TDP15, ZX19]. **Encoding/Decoding** [LCW+23]. **Encryption** [LIS20]. **End** [FPMR21, OLK+23, ZJJ+15]. **End-to-End** [FPMR21, OLK+23]. **Endurance**

[WDXJ14]. **Endurance-aware** [WDXJ14]. **Energy** [ABK21, AJK+12, AYC16, ASP17, APS22, AMS23, BSG23, CMAP22, CPS+15, CNAA+22, DLS22, DH16, FPK+24, GKCE17, GFD+14, HMYZ15, JHHM21, JOA+09a, KAC+18, LMSE18, LSC+15, LMA+16, MCB+12, MTK18, MKKE15, MAD17, MPW+17, NMPS22, OTR+18, PM17, RTK15, SW17b, SN17, SAG22, SSP+23, SB09, TCS16, TTS19, YSH+22, ZJJ+15, ZFT+18, ZCF18, AVG12, BSWLE13, CWS06, CWCS13, FBWS13, GWS13, GKP14, LTG12, LGAZ07, LZYZ09, LMJ+13b, LHZ13, SPGE06, SHC13, SAM+23, TDG13, ZHD+04, ZVYN05, ZGC+12, ZSLX13]. **Energy-** [SB09]. **Energy-Efficient** [AYC16, CPS+15, KAC+18, MKKE15, MAD17, SN17, SAG22, TTS19, CNAA+22, DLS22, FPK+24, JOA+09a, SSP+23, YSH+22, CWCS13, LZYZ09, LHZ13, SPGE06, SHC13, TDG13, ZGC+12]. **Energy-Optimal** [SW17b]. **Energy-Performance** [MTK18, ZCF18]. **Energy-Proportional** [DH16]. **Enforcement** [AHA+19, GWM07]. **Engine** [HKA+19, LP17, PB15, RMA14, WLZ+13, CW13]. **Engineering** [SDS+21]. **Engines** [MGI15, TBS06]. **Enhance** [GAM12]. **Enhanced** [GBD21, TKM14, TCR+22, FYI+24]. **Entropy** [LZW23]. **enumeration** [SWH09]. **Envelope** [RWFJ19]. **Environment** [KMG14]. **Environments** [KLA+19, SMS23, RGG+12, WWWL13]. **EOLE** [EPS17]. **Equality** [KS21]. **Era** [GBD+15, SSS+23, LNLK13, PCT12]. **ERASE** [CMAP22]. **Erasure** [LCW+23]. **Error** [BDB+20, DGI+14, CWMC16, DSH+18, LSC+15, OK21, SPM17, TZK18, YEI+14, CCZ13, LKL+13]. **Error-Correcting** [SPM17]. **Error-Tolerant** [DSH+18]. **Errors** [FWJ+16, ZWS+16]. **essence** [JEBJ08]. **Estimation** [WAST16, XHJY17, LTG12]. **Estimations** [Lou19]. **Estimator** [KLA+19]. **Evaluate** [MRK+22, TDO16a, VOK+22]. **Evaluating** [CCM+16, CWS06, HWH+11, SSK11, SAT20, SW17a]. **Evaluation** [Akr21, BC13, CHE+14, DKB+20, FWJ+16, ZZL+21, AvRF07, KWTD09, LCC11, LAS+08, RGG+12, ZK05]. **Evaluator** [JSL13]. **Evaluator-executor** [JSL13]. **Even** [MP22]. **Event** [YXMC23, GWM07]. **Event-Driven** [YXMC23]. **Evolving** [VGX16]. **Examining** [ZWS+16]. **exascale** [DXMJ11]. **ExaStencils** [KL19]. **exception** [HWM14]. **Exceptionization** [YKM17]. **Exclusivity** [YDL+17]. **Execution** [AGG22, ASP17, BNS+21, CC18, DT17, GGYK19, GMGZP14, HAC13, HEMK17, KS16, KABS22, LDMZ19, MG19, MAY23, ME15, MAD17, MKS22, NZ15, PVA+17, PS15, SEF+19, SYE19, SGS+20, VSDL16, WLZ+13, ZX19, ZCCD16, ZLJ18, GB06, LZ12, LHZ13, SJA12, VTN13, XIC12, ZG05]. **Executions** [NDP17]. **executor** [JSL13]. **exhaustive** [KWTD09]. **Existing** [YEI+14]. **Expanding** [YBSY19]. **Expansion** [PM17, ZLC+15]. **EXPERTISE** [SDK+22]. **explicit** [STLM12]. **Exploit** [AAI+16]. **Exploiting** [AIVL13, ASK+16, HWJ+15, JFK20, KGK10, LHW+19, MA08, NKH16, RSU+20, WWW+21, XSF+23, YEI+14, YZ08, YZL+10, ZX16, LYYB07, PCT12, RLS13, SNL+04, JOA+09b]. **Exploration** [BKM+17, ESB+20, KL19, MNC+16, QSZ+21, CPP08, IMS+08, KWTD09, VHKP11, WLZ+10]. **Explorations** [BGG+15]. **Exploring** [ACGH24, CK11, JK13, JOA+09b, MBKM12, MSK05, SKPD19, WLJ+24, vdVSAAS20, BE13, DJX13]. **Exposing** [CSK19, HLSK22]. **Express** [DJC16]. **Expression** [BC13]. **Expressions** [VZT+20, JSH09]. **Expressiveness** [PC13]. **Extendable** [CXW+12]. **extended** [SJV08].

Extending [DBH16, DSH+18, JED19, TCS20, VCJ+17]. **Extension** [ZLWS24, ZC20, DCP+12]. **Extensions** [FSP+23, KHS+14, KBB+14]. **Extractor** [DAP+15]. **Extreme** [CAY+18, JLJ+18a]. **Extreme-Scale** [CAY+18, JLJ+18a].

Fabric [PBCB22]. **Factorization** [MLC+23]. **Factorizations** [AP17]. **Facts** [Mic16]. **FailAmp** [BDB+20]. **Failures** [NRQ16a]. **Fair** [LMCV13]. **Fairness** [GWM07, LY16]. **Falcon** [CNS16a]. **false** [BCVT13]. **Fast** [ADGA20, BC13, BNS+21, CSSU21, CTY+23, CCPG13, DWF+23, FPK+24, KCP13, KVH23, KHW+05, MKKE15, NRQ16b, NTG13, PRMH13, SCMU22, SZJK18, SNK+23, WLJ+24, XZW+22, LMJ13a, SPGE06, TDG13]. **Fast-Drift-Aware** [SZJK18]. **Fastensor** [WZWW23]. **Faster** [PCM16]. **fat** [BRSJG12, PRMH13]. **fat-trees** [BRSJG12]. **Fault** [CEP+16, PHBC17, RHLA14, TCR+22, WDW+22, RCV+05]. **Faults** [SDK+22, BSO07, SSC+13]. **FaultSim** [NRQ16b]. **Feature** [TKM14, LBO14]. **Features** [YHYBAM20]. **Federation** [BTS10]. **Feedback** [CDM13, NED+13, ZWS+16, WM10]. **Feedback-directed** [NED+13, WM10]. **Feedback-Driven** [ZWS+16, CDM13]. **Fence** [MNSC16]. **fetch** [EE09, GWS13, JLER12, SRLPV04]. **FFT** [GS12, ZLM+23]. **File** [MP22, TS15, VZS+18, YBSY19, GKP14, SJV08]. **Files** [LZM14, YWXW12]. **Filter** [SWO21, BSWLE13]. **Filtering** [LLLW22, ZCCD16]. **Financial** [ABB+16]. **Finding** [PJ13]. **Fine** [ACG24, ANS+22, AZG17, BSSS14, CS21, CSRP22, EE11, GWZ22, HYYAM16, MG19, MPW+17, TKM14, WM11, YEI+14, LT13]. **Fine-Grain** [AZG17, HYYAM16, ACG24, ANS+22]. **Fine-Grained** [BSSS14, CS21, GWZ22, MG19, MPW+17, YEI+14, CSRP22, EE11, WM11, LT13]. **Finite** [LVR+15, VW11]. **FinPar** [ABB+16]. **Fire** [YXMC23]. **First** [Lou19, OAM19]. **fixed** [CS13]. **fixed-point** [CS13]. **FLARES** [DGI+14]. **Flash** [DGI+14, LYLS24, SZJK18, ZWL+19]. **Flash-Based** [LYLS24]. **FlexHM** [PDY+23]. **Flexible** [CC13, CSRP22, PDY+23, SNK+23, ZC20, OAB12, SHC13, ZZQ+05]. **FlexPointer** [CTY+23]. **FlexSig** [OAB12]. **Flextended** [ZC20]. **flight** [SSH+13]. **Floating** [ASS17, BWG+12, CS13]. **floating-** [CS13]. **Floating-Point** [ASS17, BWG+12]. **Flow** [BRJM15, CWW+16, DMR+16, GAM12, HAC13, LY16, MMT+12, SMKH15, FSYA09, JA14, KHL+13, MBKM12, Nas13, PC13, TG07]. **Flow-Based** [LY16]. **flow-sensitive** [Nas13]. **FlowPix** [CGP23]. **FluidCheck** [KS16]. **fly** [VHKP11, WWY+12]. **Flynn** [TWB21]. **Focal** [DSK19]. **Focal-Plane** [DSK19]. **Footprint** [KDMA23]. **Forest** [ELE+23]. **form** [PBCB22]. **Format** [BJWS18]. **Formation** [HWL+19, KTAE16, FSYA09]. **Formulating** [MAN+08]. **Forward** [LNFE22]. **Forwarding** [SL20]. **Four** [TDO16a]. **FPDetect** [DKB+20]. **FPGA** [Abd20, CS13, CWW+16, CSRP22, CGP23, CDPD13, MTK18, MRK+22, OLK+23, SNK+23]. **FPGA-based** [SNK+23, MTK18, MRK+22, OLK+23]. **FPGA-processor** [CS13]. **FPGAs** [BHWN21, FBWS13, GNB08, JOB+22, KFJ20, PI12, WZZ+20]. **fractal** [JYJ+13]. **fractal-based** [JYJ+13]. **Fraction** [SPS17]. **frame** [GK13]. **frame-based** [GK13]. **Framework** [ASS17, AMP+16, FYI+24, GTT+16, GáSÁ+16, HDW21, KKL+24, KPP+15, LAS+13, LSC+15, MLC+23, OLK+23, PWPD19, SYE19, SMM+23, SAL19, WMGS19, WPR+22, WWGS22,

WYZ+23, ZLYZ16, ZFT+18, ZLYW18, ZLM+23, AS13, BCVN10, CS10, DJX13, HEL+09, KKM+13, LCC11, LCH+04, LFC13, LHWB12, PGB13, YXK+12]. **Frameworks** [WWW+21]. **Franca** [MLB+23]. **Free** [CHD+23, LLC22, MNSC16, YPT+16, BRSJG12, GS12, WZZ+20]. **Frequency** [BHC+16]. **Friendly** [LLW+22, CRSP09]. **Front** [ZJJ+15]. **Front-End** [ZJJ+15]. **FSM** [SQZK20]. **FTL** [HWJ+15]. **Full** [HHC+16, MMT+12, SWF16, TKKM15]. **Full-System** [SWF16]. **Fully** [HWJ+15, BRSJG12]. **Function** [SKPD19]. **Functional** [GáSÁ+16, SJD22, GÁSÁ+13, YCCY11]. **Functions** [HLSK22, SSRS15, HWX+13, LDG+13]. **fundamental** [VE13]. **Fuse** [NDP17]. **Fused** [VPTS19]. **Fusing** [VPTS19, WM10]. **Fusion** [PSL+23]. **Future** [GB06, MMS15, DXMJ11, LMJ13a].

Gadgets [JCG+24]. **Gain** [SSP+23]. **Gaming** [QYZ+14, RSU+20, UPR22]. **GAN** [WDW+22]. **gap** [HCC+14]. **Garbage** [ASV+16]. **Gated** [CS21, LZM14]. **gather** [Pro21]. **Gating** [KMG14, ZCF18, WYCC11, YCCY11]. **GC** [SLS+21, YXS+22]. **GC-Triggered** [YXS+22]. **Gem5** [QSZ+21]. **Gem5-X** [QSZ+21]. **GEMM** [SLJ+19]. **General** [CAMJ15, SW17a, SDZ+21, SMN22, LHY+06]. **General-Purpose** [CAMJ15, SDZ+21]. **Generalized** [FDF+14, GGK18, KKL+24, LCW+23, SDH+15]. **Generalizing** [Jim09]. **generate** [KBR+13]. **Generating** [AZG17, RHC15]. **Generation** [BDB+20, DSK19, CDM+22, HEMK17, JCG+24, TPB24, ZPH+23, GNB08, HLR+13, JLER12, LBO14, LHY+06, VJC+13]. **Generator** [KL19, PAVB15]. **Generic** [WMGS19]. **GenMatcher** [WMGS19]. **Genome** [FPK+24]. **geometry** [CNAA+22]. **Getting** [MWJ19]. **GiantVM** [JZY+22]. **Global** [CCL+13, MPPS18, BZS13]. **good** [PJ13]. **Governors** [SW17b]. **GP** [LRBG15, MYG15, MYKG16]. **GP-GPUs** [LRBG15]. **GP-SIMD** [MYKG16]. **GPGPU** [BGG+15, HLSW17, MBKM12, YXK+12]. **GPGPUs** [ZJJ+15]. **gPPM** [LCW+23]. **GPU** [ADGA20, BJWS18, BNS+21, DS16, FBC+22, GGYK19, GMZ+21, HLR+13, HZC+23, HDW21, JED19, JGSM15, JML+20, KPRK20, KHN+18, LCP+21, LHC+17, LWS+19, LMZ18, LWL18, LDMZ19, LAAMJ15, LFK19, LFC13, QYZ+14, RB13, SEF+19, SNN+19, TBC+12, VC16, VZT+20, VZS+18, WGO15, WWL+21, WPR+22, WZWW23, ZPL+21, ZNTJE23, ZSLX13, ZLM+23, vdVSAAS20]. **GPU-Accelerated** [ZPL+21, GMZ+21, JED19]. **GPU-Based** [WGO15, JML+20]. **GPUs** [ASH20, ACGH24, ASS17, CNAA+22, CSK19, DS16, DHX+22, DJZ+23, DNT16, FBWS13, GWZ22, JAK17, JFK20, KR19, KVH23, LRBG15, LGH+21, MKS22, NSF+21, NC15, PL23, SHLM14, SSB+20, TAB+21, WYCC11, WLLW20, XSF+23, YBSY19, ZSM+16]. **gradient** [HAJ+12]. **gradient-based** [HAJ+12]. **Gradients** [FWJ+16]. **Grain** [AZG17, HYYAM16, LMSE18, MAD17, ACG24, ANS+22]. **Grained** [BSSS14, CS21, GWZ22, MG19, MPW+17, TD16, YEI+14, CSRP22, EE11, KCP13, LT13, WM11]. **GRAM** [HDW21]. **Granularity** [DRHK15, NRQ16a, TKM14]. **Graph** [CNS16a, KPP21, KKAR16, LZZ+22, LGH+21, MST+21, TPB24, TAB+21, WZZ+20, WWL+21, YWXW12, YZZ+23, ZPL+21, ZZH+23, ZLJ18, DS12, LFX09]. **Graph-Based** [TAB+21]. **GraphAttack** [MST+21]. **GraphBLAS** [MAY23]. **Graphics** [ASS17, FSYA09, ZSLX13]. **GraphPEG** [LGH+21]. **Graphs** [BRJM15, Lee16, RHC15, VZT+20, VGX16,

BZS13, DDU12, MG13]. **GraphTune** [ZZH+23]. **Gretch** [KPP21]. **Grouping** [LGH24]. **Grus** [WWL+21]. **gshare** [TS05]. **Guarded** [PS15]. **Guidance** [OKJ+22]. **Guided** [GTT+16, HWL+19, YHYBAM20, CS13, LZL+13, RCG+10b, SSU+13].

Hadoop [KHS+14]. **HAIR** [MP22]. **Halide** [SSW+19, SSB+20, VCJ+17]. **halting** [ZVYN05]. **Halving** [MP22]. **Hammer** [GBD21]. **Hamming** [CVB15]. **handling** [HWM14, HWH+11, LWH11]. **HAP** [WJXC17]. **Hard** [DPBI+19, BSO07]. **hardened** [PKL+24]. **Hardening** [PHBC17]. **Hardware** [BGG+15, BOEN23, BAZ+19, CDPN16, DHK18, DPBI+19, DD16, ELE+23, JDZ+13, KPP21, KAC15, LMJ+13b, LGH24, MMGS21, NDP17, OK21, PVA+17, PLK+19, PKL+24, RHLA14, RAF22, SBC+22, SKAEG16, SDK+22, SWF16, TGAG+12, USCM16, WCI+16, ZHS+19, ZLC+15, ZSM+16, Abd20, ATGN+13, CS10, CI13, FSYA09, GNB08, HCC+14, MMdS06, OAB12, RLS13, RPE12, YJTF13, ZSCM08]. **Hardware-Accelerated** [SWF16]. **Hardware-Assisted** [CDPN16, JDZ+13]. **Hardware-aware** [BOEN23]. **Hardware-Based** [ZLC+15, ZSM+16]. **Hardware-hardened** [PKL+24]. **hardware/software** [CS10, HCC+14, MMdS06]. **Hash** [SBS16]. **Hash-Based** [SBS16]. **HAShCache** [PG17]. **Hashing** [CHD+23]. **HAWS** [GGYK19]. **HC** [CDPD13]. **HC-CART** [CDPD13]. **header** [VED07]. **Healthy** [JLJ+18b]. **heap** [WWY+12]. **HeapCheck** [SBC+22]. **Heterogeneity** [PG17, SB09]. **Heterogeneity-Aware** [PG17]. **Heterogeneous** [AEJE16, ASV+16, ANS+22, APG+23, ASP17, AMS23, CNS16a, CWW+16, DMR+16, FDF+14, GTT+16, GHH15, GSZY20, HAM17, HAM19, HMYZ15, HHW+22, KRHK16, LP17, MSFC21, OKJ+22, PG17, PDY+23, PBY+17, QSZ+21, RKL23, RVKP19, SMS23, SCK+21, SAL19, SL20, TDO16a, TDO16b, TTS19, USCM16, WGO15, ZFL18, BBG13, KNBK12, LHZ13, PM12, TDG13, VE13, WFKL10]. **Heuristics** [MKKE15, TR13]. **Hidden** [FPK+24]. **hide** [CST+06]. **Hiding** [GW08]. **HIER** [LDY+21]. **Hierarchical** [ASK+16, CDPN16, JHH+23, LDY+21, ZGP15, SW13]. **Hierarchies** [GAH22, SKH+16, DJX13]. **Hierarchy** [AYC16, ELE+23, SSP+23, ZDC+16, ZSM+16]. **High** [CAY+18, CHE+14, DKK+21, CHD+23, CAMJ15, GGK18, JED19, LNFE22, LDY+21, LL22, ME17, MLB+23, MPU+23, MN24, OK21, SAG22, SWU+15, SSP+23, SLJ+19, TCS16, THA+21, TKM14, UDLD20, USCM16, WZZ+20, WWL+21, YRGES+19, ASK13, BCVN10, CK11, CDM13, GW08, KBR+13, OGK+12, SRLPV04, SD12, ZVYN05]. **High-dimensional** [LL22]. **High-Efficiency** [CAMJ15]. **High-Level** [CHE+14, UDLD20, BCVN10]. **High-Order** [CAY+18]. **High-Performance** [DKK+21, GGK18, LNFE22, SLJ+19, TKM14, USCM16, CHD+23, JED19, MLB+23, SSP+23, THA+21, WZZ+20, WWL+21, YRGES+19, CK11, CDM13, GW08, KBR+13, SRLPV04, SD12, ZVYN05]. **High-radix** [LDY+21, ASK13]. **High-Throughput** [SAG22, OGK+12]. **Higher** [SJD22]. **Higher-Level** [SJD22]. **Highly** [JYM20, TMP16, TPN+20, ZLM+23]. **Histogram** [FWJ+16]. **hits** [CA11]. **HMTT** [HCC+14]. **Holistic** [CHD+23, LD24, OLK+23]. **Homogeneous** [CC18]. **Hopping** [MSFC21]. **hosted** [SYZZ+14]. **HotSpot**^{TM} [KWM+08]. **HPar** [ZBH+13]. **HPC** [ACA+19, DVG+23, MP13, MKC+22, PLT+15, SLJ+18, ZPR+17]. **HPCG** [AYL+18]. **HRF** [GHH15]. **HRF-Relaxed** [GHH15]. **HTML**

[ZBH+13]. **HTML5** [NKH16]. **HW** [KMG14, LYK+15, TS15]. **HW/SW** [KMG14]. **Hybrid** [AR13, CKPH19, CA11, DXMJ11, HWJ+15, JYE+16, KAC+18, LYLS24, SSP+23, WLL+19, WJXC17, YRGES+19, CS13, DZC+13, HCC+14, MMdS06, RBM10, WLZ+10]. **Hybrid-Memory-Aware** [WJXC17]. **HyGain** [SSP+23]. **Hypervisor** [JZY+22].

I-Cache [ZWY17]. **I/O** [DCP+12, RHLA14, SLS+21, WZWW23]. **IATAC** [AGVO05]. **Identification** [WCI+16]. **Idiom** [KKM+13, TWB21]. **Idioms** [DKK+21]. **Idle** [SEF+19, WFKL10]. **Idle-Time-Aware** [SEF+19]. **IEEE** [LDG+13]. **IEEE-754** [LDG+13]. **ILP** [SNL+04]. **Image** [CGP23, LSH+23, PBY+17, CI13]. **Imaging** [VCJ+17]. **Imbalanced** [Pro21]. **Impact** [BCVN10, CCM+16, JRK16, SMKH15, ZCDD23, RGG+12, SSC+13]. **Impactful** [YHYBAM20]. **implants** [SSPL+13]. **Implement** [VOK+22]. **Implementation** [BGG+15, MAY23, CDPD13, LHZ13, PLL10, SSS+04, ZK05, AvRF07]. **Implementing** [CWW+16, JSM+04, MAN+08, OAB12]. **Implications** [CVB15, HYYAM16, KAC15, LS10]. **Implicit** [BWLR06]. **Improve** [CSK19, CDM+22, LMZ18, OTR+18, VCJ+17, ATGN+13, BSWLE13, KGK10, LBJ05, LZ12, MG12, RWY13, SPS12]. **Improved** [BCVT13, GMGZP14, NB13, VZS+18, ZJJ+15]. **Improvement** [SKKB18]. **Improvements** [LBM13, PM17, SPM17]. **Improving** [AJK+12, CAGS17, CSW+23, CG15b, DHK18, DJZ+23, FLW+24, HWJ+15, HLSW17, JHHM21, JK17, KLMP12, LGP+16, LMSE18, LYH16, LAAMJ15, OAM19, RJSA18, SL20, YBSY19, ZFT+18, ZWHM05]. **In-bounds** [JRH21]. **In-DRAM** [XGD+23]. **in-flight** [SSH+13]. **In-Memory** [BAZ+19, WZG+19, YSH+22, ZLYW18]. **In-Order** [BEE15, MST+21, MAD17, SPH+17, BB04]. **in-order/out-of-order** [BB04]. **in-place** [GS12]. **In-storage-processing** [KKL+24]. **inclusive** [AIVL13, TKJ13]. **Increasing** [TZK18]. **independent** [BVIB12]. **indexing** [TS05]. **Indirect** [CSY20, DGGL16, XVT20, HWH+11, MG12]. **indirections** [AFD07, AFD12]. **Industrial** [GHH15]. **Infer** [UJW15]. **Inference** [CSRP22, DJZ+23, JHH+23, SCK+21, WYZ+23, LB10]. **Influence** [ZWS+16]. **Information** [GAM12, KHL+13, MMT+12, SM19, SAT20, LMJ13a, VSP+12]. **Informed** [CSY20, SYX+15]. **Infrastructures** [FCD+17]. **Innovative** [BKM+17]. **Input** [LDY+21]. **inputs** [BE13]. **Insights** [YHYBAM20]. **Instruction** [AGG22, CSK19, HNKK17, JHQ23, KBB+14, SPGE06, SKPD19, SGM+22, TCS20, ZCDD23, ACGK04, AR13, BVIB12, CS10, CSVM04, GWS13, HL07, KS11, SSR13, VS11, XL07, ZHD+04, ZK06]. **Instruction-Level** [HNKK17]. **instructions** [MG12, RFD13, SHC13]. **Instrumentations** [JRH21]. **Instrumented** [SGS+20]. **Integer** [ÄJE+16, MP22, SLM12, BWG+12]. **Integrated** [DJC16, LYK+15, PG17, SKP+22, SPH+17, TPN+20, VFJ+17, YJTF13]. **Integrating** [WSJ+21, WTFO14, XZW+22]. **Integration** [JDZ+13]. **Integrity** [KK15]. **Intel** [Akr21]. **Intelligent** [SJC+21, TBC+12]. **Intensity** [LVR+15, SLS+21]. **Intensity-aware** [SLS+21]. **Intensive** [RHLA14, ZX19, YLTL04]. **Inter** [HAM+20, LBM13, TC07]. **Inter-cluster** [TC07]. **Inter-Core** [LBM13]. **Inter-kernel** [HAM+20]. **Interaction** [FBHN04]. **Interactions** [EPS17]. **Interactive** [MPHL22, RSU+20]. **Intercepting**

[SSRS15]. **Intercommunication** [TMP16, MP13]. **Interconnect** [BKM+17]. **interconnection** [SMK10, SEP07]. **Interconnects** [DH16, YRGES+19, XCC+13]. **Interface** [XVT20, ZSLX13]. **Interference** [KLA+19]. **interferences** [LCL+14]. **Interleaved** [AMG16, ZLWS24]. **Interleaving** [WWC+16]. **Intermediate** [JML+20, RJSA18]. **Intermediate-oriented** [JML+20]. **Intermittent** [BSG23]. **Internal** [HWJ+15]. **Internet** [AVG12]. **Interpreter** [ZXX23, RWY13]. **interpreters** [SYZZ+14]. **interprocedural** [SV05]. **Intersection** [MPHL22]. **Interval** [SKP+22, SV05]. **Intra** [MKC+22]. **Intra-rack** [MKC+22]. **Intraprogram** [XMM04]. **Intrinsic** [JRK16]. **Introduction** [CT04, CT05, CT06, CT07, SD12]. **intrusion** [TBS06]. **Intrusive** [FPMR21]. **IOV** [DCP+12]. **IP** [Bis21, WYJL10]. **IR** [GMZ+21, SJD22]. **Irregular** [KPM21, LWS+19, MN24, RMA14, SN17, AFD12]. **Irregularity** [ZZH+23]. **ISA** [CG14, FSP+23, SHC13, VE13]. **ISAs** [PS15]. **Isolation** [LDC15, OK21, QYZ+14, SSH19]. **Isolation-based** [OK21]. **ISP** [KKL+24]. **Issue** [DD16, MMS15, BB04, CDM13, GWS13, PI12, SD12]. **ITAP** [SEF+19]. **Iteration** [WWC+16, ZPH+23]. **Iterative** [CNS+16b, FXC+15, GGS+17, GGS+19, KFJ20, LLLW22, SYE19, CFH+12]. **IVR** [ZZL+21]. **IVR-assisted** [ZZL+21].

Java [HWM14, KWM+08, LBJ05, VED07, WHV+13, YKM17, YLW08]. **JavaScript** [MGI15, NKH16, PCM16, PKPM19]. **JIT** [HWM14, JK13, JCG+24, NED+13]. **JiuJITsu** [JCG+24]. **Job** [CSW+23, EE12]. **Joint** [RAF22, TS15, LGAZ07]. **Jointly** [CSW+23]. **jump** [MG12]. **Just** [HZN+22, KHL+13]. **Just-In-Time** [HZN+22, KHL+13]. **JVM** [SYZZ+14].

Kernel [DSK19, LP17, LDMZ19, MSFC21, PSL+23, SNN+19, HAM+20]. **KernelFaRer** [DKK+21]. **Kernels** [BNS+21, LCP+21, TPB24, VZT+20, WLLW20]. **Key** [CSSU21]. **Key-Value** [CSSU21]. **kilo** [CSVM04]. **kilo-instruction** [CSVM04].

L1 [HK14, LZL+13]. **L2** [AGVO05, CST+06, SLP08, SBC05]. **L2-miss-driven** [SLP08]. **Lane** [WWC+16]. **Language** [CNS16a, SNK+23]. **Languages** [DHD+14, YKM17, NED+13]. **LAPPS** [KFEG18]. **Large** [HZC+23, NRQ16a, SKH+16, YGB21, ZPL+21, ZLM+23, KWCL09, RCV+12, SMK10]. **Large-Scale** [SKH+16, ZPL+21, ZLM+23, HZC+23, RCV+12, SMK10]. **LargeGraph** [ZPL+21]. **Last** [CPS+15, LBM13, PLK+19, WSJ+21, WDX14, WJXC17, AGI+12, AIVL13, VSP+12, ZDC+12]. **Last-Level** [CPS+15, LBM13, WSJ+21, WDX14, WJXC17, PLK+19, AGI+12, AIVL13, VSP+12, ZDC+12]. **Latency** [BAZ+19, HAM17, HK14, KCA+13, PM17, RKL23, SLS+21, MP13, SW13, WYJL10, YLTL04]. **Latency-Tolerant** [HAM17]. **Lattice** [CG15b, PAVB15]. **Lattice-Based** [CG15b]. **Lattice-Boltzmann** [PAVB15]. **Law** [DSH+18]. **Layer** [ERAG+16, JML+20, JLJ+18a, LGP+16, OTR+18, WAST16, VOK+22]. **Layer-adaptive** [JML+20]. **Layer-Centric** [JLJ+18a]. **Layers** [VZT+20]. **Layout** [ACGH24, CYXF13, RAF22, WG17, ZLWS24]. **Layout-oblivious** [CYXF13]. **Layouts** [BSL17]. **Layup** [JML+20]. **LD** [LHC+17]. **LDAC** [SKH+16]. **Leakage** [Bis21, CS21, JFK20, HL07, MSK05]. **Learning** [ABP+17, CKP+22, DLS22, JPS17, JLJ+18a, LSL20, LLLW22, LSH+23, MCB+12, RSK+18, WWW+21, WZWW23, XDXL19, XDW+23, DJB13, LBO14, SPS12,

TR13, WO13, WTFO14]. **Learning-Based** [JPS17]. **Leases** [RGK+23]. **Leasing** [DCL+22]. **Legacy** [MNSC16]. **legalization** [AR13]. **Less** [ZPR+17]. **Level** [BGG+15, CHE+14, CPS+15, GMZ+21, HNKK17, HK14, JYE+16, LCS+19, LIS20, LMZ18, LBM13, MGI15, PLT+15, RLBBN15, SJD22, SWU+15, UDLD20, WSJ+21, WDX14, WJXC17, AGI+12, AIVL13, BCVN10, EE09, GMW09, GPL+05, HLSK22, LZW23, LCL+14, Lou19, PLK+19, PCT12, SDK+22, TMSR23, VSP+12, YBSY19, ZDC+12, ZZL+21]. **Level-1** [HK14]. **Leveling** [JDZ+13]. **Levels** [RJSA18, RCV+12, SLA+07]. **Leveraging** [AGG22, GAM12, KS21, LMJ13a, NZ15, SHLM14, SMN22]. **Liberalization** [MY16]. **libraries** [BCM11]. **Library** [DKK+21, FDF+14]. **Library-Based** [FDF+14]. **Lifetime** [PM17, SPM17, TZK18, XC06]. **Lift** [SHS+20]. **LIGERO** [APG13]. **Light** [CBD15, APG13]. **Lightweight** [DT17, SLJ+18, WLL+19, BWG+12, DMG13, LNLK13]. **like** [Mic18]. **limitation** [DZC+13]. **Limitations** [JRK16]. **limited** [CZ07]. **limits** [JOA+09b, MBKM12, MSK05]. **line** [WDXJ14]. **Linear** [ÄJE+16, APG+23, MG19, MG20]. **lines** [AGVO05]. **Lingua** [MLB+23]. **Linked** [IPSD21, FLG12]. **Links** [ACA+19]. **List** [Aca16, Ano13a, Ano15, Bil19]. **LiteCON** [DLS22]. **Live** [ZPR+17]. **liveness** [BZS13, DDU12]. **LLC** [FQRG13, VPTS19, ZCF18]. **LLC-memory** [FQRG13]. **LLVM** [DAP+15]. **LLVM-Based** [DAP+15]. **Load** [OAM19, PGB16]. **Load-Balancing** [PGB16]. **Loading** [PCM16]. **Loads** [YPT+16]. **Local** [LVR+15, XZW+22, DHC+13]. **Locality** [ASK+16, CG15a, KFEG18, SKH+16, SL20, TAB+21, UPR22, YDS+19, ZCQ+19, AIVL13, FER+13]. **Locality-Aware** [CG15a, KFEG18, SKH+16, UPR22, SL20]. **Localization** [CEP+16]. **located** [LZW23, SOAK23]. **location** [KHN+18, YLW08]. **Lock** [CHD+23, CWCS13]. **Lock-contention-aware** [CWCS13]. **Lock-Free** [CHD+23]. **Locking** [ZWY17]. **Locus** [DVG+23]. **Logarithmic** [AGG21]. **Long** [SLS+21]. **Long-tail** [SLS+21]. **Look** [HZN+22]. **Lookups** [CSSU21]. **Loop** [ASP17, CZGC20, JK17, LVR+15, MN24, PHBC17, BCVT13, NCC13, SHLM14, SLM12, YZL+10]. **loop-dependent** [YZL+10]. **Loops** [CNS+16b, CLA+19, KFJ20, RGK+23, SN17, SRC16, JSL13, KLMP12, RTG+07]. **Low** [AGG21, AGG22, BGG+15, CAMJ15, DJL+12, ESB+20, GG18, GáSÁ+16, GDL16, KBB+14, KDMA23, LNFE22, LGP+16, LHC+17, Lou19, OK21, PLK+19, RTK15, SBC+22, SSW16, SLS+21, SW13, SWU+15, WLJ+24, YEI+14, AGI+12, BB04, CCZ13, GKP14, MA08, SRLPV04, SAM+23, ZVYN05]. **Low-Complexity** [LNFE22, DJL+12, SRLPV04]. **Low-Cost** [KBB+14, SSW16, YEI+14, SBC+22, AGI+12, MA08]. **low-energy** [GKP14, ZVYN05]. **Low-latency** [SW13]. **Low-Level** [BGG+15, Lou19]. **Low-Overhead** [GDL16, LHC+17]. **Low-Power** [CAMJ15, GáSÁ+16, AGG22, PLK+19, BB04, CCZ13]. **Low-precision** [AGG21]. **Lower** [ESR+15]. **lowering** [SSU+13]. **LP** [GFD+14]. **LSM** [HFL+23, LHS+24, XZW+22]. **LSM-Tree** [HFL+23, LHS+24, XZW+22]. **LSTM** [WDW+22]. **LSTM-GAN** [WDW+22].

Machine [ABP+17, DWF+23, LSH+23, DJB13, LBO14, SCEG08, SPS12, WO13, WTFO14, WHV+13]. **machine-learning-based** [WTFO14]. **Machines** [BSSS14, JK13, RB13, VED07].

MAGIC [KKW+15]. **Main** [AEE+19, WSJ+21, ZFT+18, ZPR+17, DZC+13, WSC+13, ZDC+12]. **Maintaining** [YCCY11]. **makespan** [CPB14]. **makespan-preserving** [CPB14]. **Making** [CRSP09, PLT+15, PI12, SGS+20]. **Malicious** [KKW+15]. **Malware** [WCI+16]. **MAMBO** [GDL16]. **Managed** [Akr21, YWXW12]. **Management** [CMAP22, GWZ22, GTT+16, GMGZP14, HYAR+15, HMYZ15, LHS+24, MPPS18, MRK+22, NMPS22, OTR+18, SEF+19, SSS+23, SAL19, SPS17, SJC+21, TTS19, VOK+22, WPR+22, ZDC+16, AVG12, FQRG13, GSZI10, HVJ06, KCKG14, LGAZ07, LFX09, LPZI12, RCG+10a, RB13, SW13, VS08, WWWL13, WSC+13, WDXJ14, WM11, ZYCZ10]. **Manager** [APS22, ELE+23, Per18]. **Managing** [APBR16, HS06, KNBK12, SCFD22, VS11, ZFL18, SSK11]. **Manipulation** [CNS16a, ZHB18]. **Many** [DT17, FMY+15, JYM20, JHH+23, JLJ+18a, MLC+23, MRK+22, PVS+17, QSZ+21, SSS+23, WPR+22, ZLYZ16, LNLK13, OGK+12]. **Many-body** [WPR+22]. **Many-Core** [FMY+15, JLJ+18a, PVS+17, ZLYZ16, JYM20, JHH+23, MLC+23, MRK+22, QSZ+21, SSS+23, LNLK13, OGK+12]. **Many-Cores** [DT17]. **Manycore** [KS16, KAC+18, LAS+13, MKKE15, ZCQ+19, BTS10]. **map** [WYJL10]. **Mapi** [BSG23]. **Mapi-Pro** [BSG23]. **Mapped** [LLRC17]. **MAPPER** [SCFD22]. **Mapping** [BSG23, CKP+22, CMAP22, CDPN16, DWDS13, DJC16, ESB+20, LLC22, LD24, MKKE15, SSH19, SKAEG16, WGO15, YMM+15, CCZ13, WYJL10, WTFO14]. **MapReduce** [CC13]. **MAPS** [RLBBN15]. **Markov** [FPK+24]. **Marvel** [CKP+22]. **Masking** [BAZ+19, WPJ19]. **Masses** [BCHC19]. **Massively** [MCB+12, RLBBN15]. **Matcher** [WWGS22]. **Matching** [EZYA23, UJW15, WMGS19, WWGS22, CW13, PLL10, TBS06, VW11]. **Mathematical** [Mic16, VZT+20]. **MATOG** [WG17]. **Matrices** [BHWN21]. **Matrix** [ASH20, ACGH24, BSL17, JYM20, LCW+23, MLC+23, SMN22, YAG+16, CYXF13, SJV08]. **Matrix-Vector** [YAG+16]. **maximize** [RCG+10a]. **Maximizing** [AEJE16, LWF+16, LDL22]. **Maxine** [WHV+13]. **MaxPB** [LWF+16]. **MBZip** [KPM17]. **MC** [CPG21]. **MC-DeF** [CPG21]. **McPAT** [LAS+13]. **means** [Abd20]. **Measuring** [FMY+15]. **Mechanism** [CEP+16, SPS17, ZHS+19, ZCCD16, GB06, HWX+13, KS11, RFD13, SBC05]. **mechanisms** [HWH+11, LCL+14, LMMM08]. **Mechanistic** [BEE15, CHE+14]. **media** [SLA+07]. **Meets** [WLJ+24, KHL+13]. **MemHC** [WPR+22]. **Memoization** [SSRS15]. **Memories** [BKM+17, DGI+14, KRHK16, SPM17, TZK18, WDX15, YMM+15, CCZ13, DXMJ11, LCC11]. **Memory** [ADGA20, AJK+12, AYC16, Akr21, ACG24, AEE+19, AHA+19, BSG23, BAZ+19, CSY20, CSF+20, CKPH19, CWMC16, CHD+23, CLA+19, CG15b, CSK19, DHK18, DD16, DHD+14, DWF+23, DJZ+23, ERAG+16, ELE+23, EE09, FMY+15, GHH15, GMGZP14, GHS12, HNKK17, HPBS21, HEDH21, HHC+16, HASA16, JDZ+13, JML+20, JLJ+18a, JRH21, KHB+20, LYK+15, LGP+16, LWS+19, LWC+22, LP17, LSH+23, MYG15, MYKG16, NRQ16a, NRQ16b, NTV+22, NZ15, OTR+18, OKJ+22, PWE20, PDY+23, RKC+20, RLBBN15, SBC+22, SW17a, SMKH15, SJD22, SKP+22, SDZ+21, SL20, SJL+20, TKKM15, USCM16, WSJ+21, WWH+16, WLL+19, WPR+22, WGL+24, WJXC17, WZG+19, WYZ+23, XGD+23, XHJY16, XVT20, YXS+22, YSH+22, YBSY19, ZZB+19, ZFT+18,

ZLYW18, ZLWS24, ZLC+15, ZCQ+19, ZDC+16, ZWL+19, ZSM+16, ZPR+17, AFD12, ATGN+13, CS10, CCZ13, DHC+13, DJX13, DZC+13, FQRG13, GPL+05, JSH09, JSM+04, KGK10, KCKG14, LAS+08]. **memory** [LGAZ07, LFX09, LCL+14, LHWB12, MA08, NCQ14, PLL10, PCT12, RLS13, SV05, SL09, TBC+12, TGAG+12, VDSP09, VED07, WKCS12, WWWL13, WSC+13, WWL+21, WLZ+10, YJTF13, YLTL04, YLW08, ZPC06, ZSLX13, ZDC+12]. **Memory-access-aware** [CLA+19]. **Memory-Aware** [SJD22]. **Memory-centric** [SJL+20, XGD+23]. **Memory-Disk** [LYK+15]. **Memory-efficient** [WYZ+23, PLL10]. **Memory-level** [EE09]. **Memory-Reliability** [NRQ16b]. **Memory-Side** [AHA+19]. **MemTracker** [VDSP09]. **mer** [WZX+24]. **merge** [DDU12]. **Merging** [TS05, SSU+13]. **Message** [Kae20, ZM15]. **Message-Passing** [ZM15]. **Meta** [BJWS18]. **Meta-Format** [BJWS18]. **Metadata** [LLW+22, VOK+22]. **metafunctions** [LT13]. **MetaStrider** [SJL+20]. **MetaSys** [VOK+22]. **Metering** [LMA+16, LMJ+13b]. **Method** [ADGA20, KTAE16, YHYBAM20, CWCS13, SHC13]. **Methodology** [TCS16]. **Metric** [LLLW22, SNN+19, SPS17, YHYBAM20]. **Metric-Guided** [YHYBAM20]. **Metrics** [EMR14, TDO16a]. **MFFT** [ZLM+23]. **MH** [PLK+19]. **MIAOW** [BGG+15]. **MiCOMP** [ABP+17]. **Micro** [CAGS17]. **Micro-Sector** [CAGS17]. **Microarchitectural** [FMY+15, SKS23, DJB13, LB10]. **Microarchitecture** [DHX+22, LNFE22, MMS15, ZCDD23, ASK13, HS05, RPS06, SSS+04]. **Microarchitecture-Aware** [DHX+22]. **microarchitectures** [ACGK04]. **Microbenchmarking** [FMY+15]. **Microprocessor** [KCA+13, BE13, YCCY11]. **Microprocessors** [GSZY20, SDZ+21, BSO07, RCG+10a]. **MicroProf** [TMSR23]. **Microservice** [TMSR23]. **Mid** [MSFC21]. **Mid-Kernel** [MSFC21]. **Migration** [JLJ+18a, LTX16, MK23, WLL+19, LJMG12, MSF+07]. **Million** [CAY+18]. **MIMD** [FSYA09, GSZY20]. **MInGLE** [GáSÁ+16]. **miniature** [JEBJ08]. **minimal** [XL07]. **MINIME** [DS16]. **MINIME-GPU** [DS16]. **Minimization** [KMAK22, CH06, SSR13]. **Minimizing** [KHB+20]. **mining** [CDPD13]. **Minor** [TCR+22]. **Minos** [CWC06]. **MIPS** [SHD15]. **misaligned** [LWH11]. **Mismatches** [APBR16]. **misprediction** [GW08]. **Miss** [SMM+23, SWO21, SLP08]. **misses** [CST+06, LS10, VHKP11, Zha08]. **Mitigating** [ABP+17, DHX+22, EPAG16, GBD21, SYX+15, LCL+14]. **mitigation** [DJL+12]. **mitigations** [CCD12]. **Mixed** [ASH20, LLC22, XIC12, ZLM+23]. **Mixed-Precision** [ZLM+23]. **Mixing** [HDW21]. **MLC** [PM17, RJSA18]. **MLC/TLC** [PM17]. **MLIR** [BKS+22, EZYA23]. **MLP** [KABS22]. **Mobile** [CNAA+22, PLK+19, XZC+20, AvRF07, TBC+12]. **Mobile-cloud** [XZC+20]. **mode** [SW13]. **Model** [BNS+21, CC18, DAKK19, ESR+15, GGS+17, JHH+23, NZ15, SRC16, WDW+22, WLLW20, WYZ+23, XHJY17, YCA18, ZHB18, DC07, MG13]. **Model-Based** [WLLW20]. **Modeling** [BEE15, KR19, LAS+13, LL22, SSC+13, ZZL+21, AFD07, CA11, EE12, IMS+08, XMM04, SSS+04]. **Models** [BOEN23, CHE+14, FCD+17, FPK+24, GGS+19, GHH15, LCP+21, VFW16, XZC+20, LAS+08, XIC12]. **Modern** [ABK21, HYYAM16, WLJ+24, CCD12, JK13, KNBK12]. **Modification** [GDL16]. **Modify** [RLS15]. **Modular** [RKL23]. **Modulo** [LMSE18, KCP13]. **Moldable** [MKKE15]. **Monitoring**

[LHC+17, MMGS21, LMMM08, VDSP09, ZZQ+05]. **Monolithically** [WSJ+21]. **monopolizable** [DJL+12]. **Moore** [DSH+18]. **Morphable** [CKPH19]. **Most** [PLT+15]. **Movement** [ESR+15]. **Movements** [YXS+22]. **Moving** [DAKK19]. **MP** [WLZ+13]. **MP-Tomasulo** [WLZ+13]. **MPI** [HWX+13, MP13]. **MPSoC** [FPMR21]. **MPSoCs** [DMR+16, MMGS21, SL20]. **MPU** [XGD+23]. **MRAM** [WDX15]. **MRAM-Based** [WDX15]. **MSHRs** [CA11]. **MUA** [LDL22]. **MUA-Router** [LDL22]. **Multi** [BOEN23, CC18, FLW+24, FMY+15, FCD+17, GVT+17, GMZ+21, JPS17, JML+20, KLA+19, LT19, LGP+16, MMGS21, PLK+19, PGB16, SPS17, TCS20, WZZ+20, XMW+21, ZNTJE23, ZCF18, vdVSAAS20, CDPD13, GWS13, LFC13, PM12, RB13, RPE12, ZGC+12]. **Multi-** [FMY+15]. **Multi-Agent** [JPS17]. **Multi-Batch** [FLW+24]. **Multi-Chip** [ZNTJE23]. **Multi-Core** [CC18, SPS17, PM12, ZGC+12]. **Multi-Cores** [ZCF18]. **Multi-CPU** [PGB16]. **Multi-dimensional** [LT19]. **Multi-directional** [XMW+21]. **multi-FPGA** [CDPD13]. **Multi-GPU** [vdVSAAS20, LFC13, RB13]. **multi-issue** [GWS13]. **Multi-Layer** [LGP+16]. **Multi-Level** [GMZ+21]. **Multi-objective** [BOEN23]. **Multi-pipeline** [WZZ+20]. **Multi-programming** [LD24]. **Multi-retention** [PLK+19]. **multi-server** [RPE12]. **Multi-Tenant** [FCD+17, KLA+19]. **Multi-Threaded** [GVT+17]. **Multi-Threading** [TCS20]. **Multi-Tile** [MMGS21]. **Multi-type** [JML+20]. **Multibank** [CG15b]. **Multiblock** [KPM17]. **multicharacter** [CW13]. **Multicore** [ASV+16, AMS23, BHC+16, CC13, CG15a, CDPN16, DS16, DAKK19, HMYZ15, HEMK17, KE15, KK15, KMAK22, LAS+13, LMA+16, LYH16, MST+21, NMPS22, OK21, PT17, PGB16, SOAK23, SLJ+18, SCMU22, SKH+16, SAL19, ZDC+16, CG14, CK11, CWCS13, DEE13, FBWS13, HWX+13, LMJ+13b, LCL+14, LHZ13, RCG+10a, VE13, WFKL10, ZCW10]. **Multicores** [HK14, PB15, TDO16a, TTS19, MSF+07]. **multidimensional** [RTG+07]. **Multigrain** [AZG17]. **Multilevel** [XHJY16, YMM+15, JK13, TKJ13]. **multimedia** [SV05]. **multiobjective** [CPP08]. **multiplatform** [HLC10]. **Multiple** [KKL+24, KHN+18, WLLW20, ZSM+16, GB06, HVJ06, RCV+12]. **Multiplexing** [LGH24, NDP17]. **Multiplication** [ASH20, SMN22, YAG+16]. **Multiplications** [JYM20]. **Multiply** [GG18, YXMC23]. **Multiply-Accumulate** [GG18]. **Multiply-and-Fire** [YXMC23]. **multiprocessor** [BBG13, GSZI10, LT13]. **Multiprocessors** [CPS+15, LBM13, APG13, GPL+05, LAS+08, LM05, LPZI12, LMMM08, SMK10]. **Multiprogram** [EMR14]. **Multisocket** [CG15a]. **Multithreaded** [AZG17, JYE+16, LYH16, DWDS13, GMW09, NTG13, PGB13, RGG+12, RCG+10a, XIC12]. **Multithreading** [SDK+22, EE09, GWM07]. **Mutually** [SOAK23].

Namespace [HFL+23]. **NAND** [DGI+14, SZJK18, ZWL+19]. **Nanoscale** [GBD+15]. **Native** [DKK+21, RPE12]. **Native-Code** [DKK+21]. **Natural** [SNK+23]. **Near** [AGG22, HK14, KCA+13, LP17, MAD17, VFJ+17, XGD+23, KCKG14, RPE12]. **Near-bank** [XGD+23]. **Near-Data** [VFJ+17, AGG22]. **Near-Memory** [LP17]. **Near-Optimal** [KCA+13, KCKG14]. **Near-Threshold** [HK14]. **Nearest** [NSF+21]. **Nearest-Neighbor** [NSF+21]. **Need** [ZPR+17]. **Neighbor** [NSF+21]. **nest** [SLM12]. **Nested**

[GSZY20, MGSH16, KLMP12]. **nests** [NCC13]. **Network** [CEP+16, DJC16, EPS18, JHHM21, JPS17, PWE20, SSH19, TDP15, VFW16, VZT+20, XSF+23, XVT20, YXMC23, YZZ+23, ZCCD16, ZM15, ASK13, LNLK13, LYYB07]. **Network-on-Chip** [CEP+16, DJC16, EPS18]. **Network-on-Chips** [ZM15]. **Networks** [ACA+19, AMP+16, CVB15, CSF+20, CCL+24, CRC+21, GG18, GLTV23, GR15, MWJ19, RKC+20, RSK+18, SMS23, SMN22, SAM+23, SNK+23, WYZ+23, XMW+21, ZFF+18, BKA13, LWWH12, PRMH13, SMK10, SEP07]. **Networks-on-Chip** [CCL+24, LWWH12]. **Neural** [BOEN23, CRC+21, GG18, GLTV23, GR15, JHHM21, MWJ19, PWE20, RKC+20, RSK+18, SMS23, SMN22, SAM+23, SNK+23, TDP15, WYZ+23, XMW+21, XSF+23, YXMC23, YZZ+23, ZFF+18, Jim09]. **Neuromorphic** [DLS22, LCS+19]. **Next** [VZT+20, OAM19]. **NISQ** [LD24]. **no** [HL07]. **NoC** [HWX+13, LLC22]. **NoC-based** [HWX+13]. **NoCMsg** [ZM15]. **NOCs** [RKL23, WYJL10]. **Node** [CSSU21]. **Noise** [AAI+16]. **Non** [AEE+19, DJL+12, FPMR21, HK14, IPSD21, WSJ+21, YKM17, YXS+22, BZS13, WDXJ14]. **Non-blocking** [IPSD21]. **Non-Intrusive** [FPMR21]. **Non-Java** [YKM17]. **Non-monopolizable** [DJL+12]. **non-SSA** [BZS13]. **Non-Uniform** [HK14]. **Non-Volatile** [WSJ+21, YXS+22, AEE+19, WDXJ14]. **Nonaffine** [SGS+20]. **Nonblocking** [MAY23]. **Nonlinear** [SRC16]. **nonuniformity** [WA08]. **Nonvolatile** [SPM17, DXMJ11, DJX13]. **Not-taken** [PS12]. **Novel** [JZY+22, LMZ18, SAM+23, TPN+20, ZFT+18, ZWL+19, CCZ13]. **NUCA** [GFD+14, HK14, LJMG12]. **NUCA-L1** [HK14]. **NUMA** [RSK+18]. **NUMA-Aware** [RSK+18]. **NUMA-Caffe** [RSK+18]. **Number** [AGG21]. **NVIDIA** [KVH23]. **NVM** [EAH+20, LLW+22, WSC+13]. **NVM-based** [WSC+13]. **NVMs** [PM17]. **NVRAM** [ZLYW18].

O [DCP+12, RHLA14, SLS+21, WZWW23]. **Object** [MPHL22, YLW08, ZLYW18, TDG13, VED07, WM10]. **Objective** [SAT20, BOEN23]. **objects** [WWY+12]. **Oblivious** [YRGES+19, CYXF13, LWC+22]. **Obstruction** [WDX14]. **Occam** [GLTV23]. **Occluded** [CNAA+22]. **Occluded-geometry** [CNAA+22]. **Occurring** [LTX16]. **Odd** [MP22]. **Odd/Even** [MP22]. **ODE** [HLR+13]. **ODE-based** [HLR+13]. **Off** [ACA+19, BKM+17, DPBI+19, AVG12, AGVO05, ABK21]. **Off-Chip** [BKM+17]. **Off-the-Shelf** [DPBI+19]. **Offloading** [HNKK17, JLL+23, KKL+24, MTK18, MGA+17]. **offset** [CZ07]. **On-Chip** [CS21, VFW16, JPS17, LDL22, SSH19, BKA13, CK11, EE11, LNLK13, SMK10, TDG13, XCC+13]. **On-GPU** [LWL18]. **On-Package** [FBC+22]. **On-the-fly** [WWY+12, VHKP11]. **On/Off** [ACA+19]. **One** [DWF+23]. **One-Sided** [DWF+23]. **Online** [BSO07, CG15a, CEP+16, OKJ+22, PSL+23, TTS19, WAST16]. **onto** [WYJL10]. **OoO** [MAD17]. **Opcode** [AGG22]. **Opcode-based** [AGG22]. **Open** [BGG+15, HKA+19, VOK+22, GMZ+21]. **Open-Source** [BGG+15, VOK+22]. **OpenCL** [RVKP19, WGO15]. **OpenMP** [CLA+19, PC13, YCA18]. **OpenStream** [PC13]. **Operands** [RSU+20]. **Operating** [HK14]. **Operation** [LCW+23]. **Operations** [BSL17, GGK18, LP17]. **Operators** [CKP+22, RAF22]. **Opportunities** [KKL+24, WWW+21, KGK10, XMM04]. **Optane** [Akr21]. **Optical** [CWW+16]. **Optically** [NTV+22]. **Optimal** [CH06, CBD15, GK13, GLTV23, KCA+13, Mic16, SMS23, SW17b, SWH09, ZGP15,

KCKG14, XC06]. **Optimise** [WZWW23]. **optimised** [RWFJ19]. **optimising** [LBO14]. **Optimization** [AYL+18, ABP+17, BSL17, CSF+20, CZGC20, CHD+23, DZSL20, DAP+15, FXC+15, FSP+23, GGS+17, GGS+19, JML+20, JRH21, KTAE16, KKL+24, LLLW22, LHS+24, LVR+15, MNC+16, MMLS21, MPHL22, QSZ+21, RMA14, SGM+22, VFW16, YKM17, YDL+17, ZCF18, CFH+12, CXW+12, CYXF13, DJX13, FT10, GHS12, HS06, HEL+09, HVJ06, JPS17, KHW+05, KWTD09, PJ13, SLM12, SSR13, SL09, VW11, ZFT+18, ZWHM05, ZCS06]. **optimization-phase** [KHW+05]. **Optimizations** [EPS17, JRK16, JZY+22, PDY+23, SHS+20, THA+21, VOK+22, ZWS+16, LCH+04, LHY+06]. **Optimize** [DBH16, FPMR21]. **Optimized** [MLC+23, PKPM19, WPR+22, GS12]. **Optimizer** [LYK+15]. **Optimizing** [AP17, BJWS18, CSW+23, DGGL16, HHC+16, JHH+23, MST+21, PAVB15, RLBBN15, STLM12, SLH+20, TN20, TKKM15, WDX15, WDW+22, YWXW12, YRHBL13, ZSLX13, ZFF+18, YXK+12, WK09]. **optimum** [HP04]. **Orchestrating** [MG13]. **Orchestration** [GVT+17]. **Order** [BEE15, CAY+18, CCL+24, HYYAM16, LLC22, MST+21, MAD17, PS15, SPH+17, TCS20, BB04, GGYK19, KWTD09, KABS22, SJA12, YJTF13, CCL+24]. **Order-Based** [CCL+24]. **order/out** [BB04]. **Ordering** [ABP+17]. **organization** [ASK13, GGFPRG12]. **Oriented** [FWJ+16, GGK18, BTS10, CXW+12, JML+20]. **Orlando** [ESB+20]. **OS-** [CRSP09]. **Out-of-Order** [HYYAM16, MAD17, PS15, TCS20, GGYK19, BB04, SJA12]. **overcoming** [DZC+13]. **overflow** [CH06]. **Overhead** [DSR15, GDL16, KRHK16, LHC+17, ZCDD23, MP13]. **Overheads** [OK21, TCR+22, BCM11, SSU+13]. **Overlap** [ADGA20]. **Overlap-and-Save** [ADGA20]. **Overlapped** [ZC20]. **Overlay** [CSRP22, CGP23, JLER12]. **Overlong** [ZWL+19].

P [DDT+17]. **Package** [FBC+22]. **Packed** [BSL17]. **packet** [LWWH12]. **packing** [NB13, SPGE06]. **Page** [TCR+22, WLL+19, WZG+19, ZCDD23, LMJ13a]. **Pages** [YGB21]. **Paging** [ACG24]. **PARALiA** [APG+23]. **Parallel** [ASK+16, ABB+16, APS22, BHWN21, DTD16, DDT+17, DHD+14, HAM19, LCW+23, MCB+12, MPPS18, MN24, MGSH16, NKH16, PWPD19, RHC15, RLBBN15, SN17, SCFD22, TMP16, TPN+20, UJW15, WLZ+13, WGO15, ZLJ18, CDPD13, JYJ+13, LM05, NCC13, STLM12, VJC+13, ZBH+13]. **Parallel-Blocked** [BHWN21]. **Parallelism** [CCM+16, CSRP22, CG15b, DHK18, GVT+17, HWJ+15, JHH+23, LMZ18, MGA+17, NKH16, SDH+15, WWW+21, YBSY19, ZX16, EE09, FLG12, PCT12, SLA+07, WTFO14]. **Parallelization** [BCM11, DPBI+19, GGS+17, GSZY20, KPP+15, DC07, LT13, PKC12, YRHBL13]. **Parallelizing** [NKH16]. **Parallelogram** [ZGP15]. **Parameter** [MGI15]. **parametric** [SLM12]. **Pareto** [BOEN23, SW17b]. **PARSEC** [CCM+16]. **PARSECSs** [CCM+16]. **parser** [ZBH+13]. **Parsing** [PCM16, ZBH+13]. **PARTANS** [LFC13]. **Partial** [SLS+21, ZX16]. **partially** [GGFPRG12, JLER12]. **Partition** [WWC+16, WJXC17, WO13]. **partitioned** [RPS06]. **Partitioning** [CSW+23, CG15b, FLG12, LDMZ19, SBS16, SLJ+19, HAJ+12, LCL+14, ZDC+12]. **Pass** [SPS17]. **Passing** [ZM15]. **PATCH** [RBM10]. **Path** [WZWW23, ZX19, TS05]. **paths** [PS12]. **pattern** [CXW+12, KPM21, PRMH13, VW11]. **pattern-oriented** [CXW+12]. **pattern-specific** [PRMH13]. **patternized**

[KCP13]. **Patterns** [CSK19, DDT+17, LWS+19, LTX16, PWE20, Pro21, UJW15, HLR+13, JSH09]. **pausing** [NCQ14]. **PAVER** [TAB+21]. **PCantorSim** [JYJ+13]. **PCIe** [MTK18]. **PCM** [LWF+16, RJSA18]. **penalties** [HL07]. **Penalty** [SWO21, GW08]. **pending** [CA11]. **Per-Core** [CS21]. **per-task** [LMJ+13b]. **Per-thread** [DEE13, BTS10]. **perceptron** [TS05]. **Perfect** [BRJM15]. **Performance** [ABK21, AEJE16, Akr21, APG+23, AYL+18, Bis21, BEE15, DKK+21, DVG+23, FDF+14, GGS+19, GGK18, HMYZ15, JGSM15, KR19, LNFE22, LL22, LMZ18, LYH16, LGH24, LY16, MAY23, ME17, MTK18, MPU+23, MN24, MAD17, MKS22, NDP17, NMPS22, OK21, PDY+23, Per18, RVOA08, RJSA18, SCFD22, SWO21, SLJ+19, TCS16, TKM14, USCM16, WCI+16, WLWB19, XHJY17, XFS+19, YGB21, ZFT+18, ZXX23, ZYCZ10, ZCF18, AFD12, ATGN+13, BSWLE13, BTS10, CHD+23, CK11, CRSP09, CDM13, FBWS13, GW08, HP04, HL07, JED19, KBR+13, KLMP12, KGK10, LM05, MLB+23, PGB12, RWY13, SRLPV04, SSP+23, SD12, THA+21, WKCS12, WZZ+20, WWL+21, XT09, YRGES+19, YCCY11, ZVYN05]. **Performance-aware** [ZYCZ10]. **performance-driven** [XT09]. **Performance-Energy** [ABK21, HMYZ15]. **performance-friendly** [CRSP09]. **PERI** [TGRK21]. **permanent** [SSC+13]. **Permissions** [ERAG+16]. **Permutation** [ZX19]. **Permutation-Based** [ZX19]. **Persistence** [EAH+20, WZG+19]. **Persistent** [CHD+23, IPSD21, ZLYW18]. **Perspectives** [PLT+15]. **PETRA** [IPSD21]. **PGAS** [KFEG18, SKAEG16]. **Phase** [ABP+17, HASA16, JDZ+13, NTV+22, YMM+15, KHW+05, KWTD09, ZDC+12]. **Phase-Change** [YMM+15]. **Phase-Ordering** [ABP+17]. **phased** [HLR+13]. **Photonic** [DH16, DLS22]. **Phronesis** [LL22]. **Physically** [RKL23]. **PICO** [JRH21]. **PiDRAM** [OLK+23]. **Piecewise** [DAP+15]. **pilot** [DHX+22]. **PIMBALL** [RKC+20]. **PiPA** [ZCW10]. **Pipeline** [AKBS21, ZJJ+15, HP04, JA14, WZZ+20]. **pipelined** [PLL10, ZCW10]. **Pipelines** [CGP23, MG19, MG20, SSW+19, SSB+20]. **Pipelining** [LDL22, CPB14, JSL13, RVOA08, RTG+07]. **place** [GS12]. **Placement** [MNSC16, MA08, SSK11]. **Places** [Per18]. **Plane** [DSK19, LLS23, ZGC+12]. **Platform** [MLC+23, QSZ+21, ZLYZ16, LGH24]. **Platforms** [RVKP19, SCK+21]. **PLDS** [FLG12]. **PM** [CHD+23]. **PM-aware** [CHD+23]. **Point** [ASS17, BWG+12, CS13]. **pointer** [SV05, YLTL04]. **pointer-intensive** [YLTL04]. **Pointers** [CTY+23]. **points** [Nas13]. **points-to** [Nas13]. **Poker** [ZX19]. **Policies** [GFD+14, LSL20, SYX+15, EE09, SSK11]. **Policy** [KMAK22, JK13]. **Pollution** [SYX+15]. **PolyDL** [THA+21]. **Polyhedral** [GGS+19, KL19, LT19, PKC12, SYE19, SGS+20, SRC16, THA+21, VJC+13, ZC20, ZPH+23, ZHB18]. **Polyhedron** [GGS+17]. **polymorphic** [PM12]. **polymorphous** [SNL+04]. **polytopes** [SLM12]. **Pools** [HZC+23]. **Port** [WDX14, GKP14]. **Portability** [FDF+14]. **Portable** [BNS+21, Per18, RMA14, WGO15, KNBK12]. **Posit** [TGRK21]. **positioning** [ZWHM05]. **Pot** [VSDL16]. **potential** [FER+13]. **POWAR** [ACA+19]. **Power** [AEJE16, ACA+19, BNS+21, CAMJ15, DTD16, DD16, ESB+20, FCD+17, GáSÁ+16, GBD+15, HYAR+15, HYYAM16, HAC13, JYW22, JGSM15, KH18, KMG14, LM05, LAS+13, LWF+16, LZM14, MKS22, RWFJ19, SEF+19, SSS+23, WYCC11, ZCF18, ZZL+21, AVG12, AGG22, BB04, CCZ13, HP04, HL07, LYYB07, MP13, MSK05, PLK+19, SW13, SEP07, WYJL10, XL07, YCCY11]. **Power-Aware**

[ACA+19, DTD16, SEP07, WYJL10]. **Power-Efficient** [HAC13, KH18]. **Power-Gated** [LZM14]. **Power-Gating** [ZCF18]. **Power-optimised** [RWFJ19]. **Power-performance** [LM05]. **Power/Capacity** [GBD+15]. **POWER8** [XFS+19]. **PowerMorph** [JYW22]. **Practical** [FXC+15, KWTD09, PDY+23, VOK+22, ZGX22, BSWLE13, FT10, ZBH+13]. **pre** [YCCY11, XC06]. **pre-wakeup** [YCCY11]. **Preallocation** [SSR13]. **Precise** [AFD07]. **Precision** [ASH20, CCCA20, WLJ+24, ZLM+23, AGG21, LDG+13]. **Precisions** [HDW21]. **Predicate** [CPB14]. **Predicate-aware** [CPB14]. **Predication** [HAC13]. **Predictability** [BB21, LBJ05]. **Predictable** [DPBI+19, SF18, VKM+21, XHJY17]. **Predicting** [WLWB19]. **Prediction** [AKBS21, BNS+21, EPS17, GAM12, KS21, MKS22, OAM19, PLG19, YPT+16, CST+06, Jim09, MG12, TS05]. **Predictive** [LCP+21, IMS+08, RBM10, YCCY11]. **predictive/adaptive** [RBM10]. **Predictor** [CNAA+22, Mic18, OAM19, AGVO05, JSM+04, SL09]. **Predictors** [EPAG16, LIS20]. **Prefetch** [AKBS21, SPS17]. **Prefetch-Fraction** [SPS17]. **Prefetched** [SYX+15]. **Prefetcher** [KPP21, LYH16, PB15, PWE20, SYX+15, LJMG12, SBC05]. **Prefetcher-Caused** [SYX+15]. **Prefetchers** [ELE+23, LBM13]. **Prefetching** [CSY20, KFEG18, LKV12, OAM19, SPS17, WPJ19, AGI+12, CA11, GB06, SBC05, WFKL10, YLTL04]. **Presburger** [JRH21]. **Preserving** [YXS+22, BOEN23, CPB14]. **Pressure** [KMAK22, SKPD19, SGM+22, SLP08, SSR13, YZ08]. **Pressure-Aware** [KMAK22]. **Preventing** [WDX14]. **prevention** [TBS06]. **Primitives** [THA+21]. **Priority** [ASV+16, XHJY16]. **PRISM** [OK21]. **Private** [DRHK15, SSK11]. **Private/Shared** [DRHK15]. **Pro** [BSG23, FYI+24]. **Probabilistic** [DAD16, EE12]. **Problem** [ABP+17, DBH16]. **Problems** [JOB+22, VFW16]. **Process** [LCW+23, LTX16, Pro21, KWCL09]. **Processes** [SOAK23]. **Processing** [CC13, CGP23, FLW+24, FYI+24, HNKK17, LT19, LSH+23, LGH+21, MYG15, MYKG16, OLK+23, PBY+17, SNK+23, WZZ+20, WWL+21, ZPL+21, ZZH+23, ZLJ18, KKL+24]. **Processing-in-DRAM** [OLK+23]. **Processing-In-Memory** [HNKK17, MYKG16, MYG15]. **Processor** [AEJE16, AHA+19, BEE15, DSK19, HMYZ15, HWL+19, JYM20, JHH+23, LP17, LZZ+22, SKP+22, XGD+23, XFS+19, ZZL+21, CS13, GW08, LGAZ07, LYYB07, SJA12, SHC13, SSPL+13, WFKL10]. **Processor-Memory** [SKP+22]. **Processor-Tracing** [HWL+19]. **Processors** [ASV+16, AMS23, CAMJ15, DBH16, KS16, KK15, MRK+22, NMPS22, SM19, SCK+21, SHD15, VFJ+17, YWXW12, YHYBAM20, CRSP09, CCD12, CSVM04, DEE13, EE09, EE12, FBWS13, GMW09, GWS13, GKP14, HWX+13, KLMP12, LMCV13, PI12, RGG+12, SRLPV04, SLP08, XT09, YZL+10]. **Productive** [KFEG18]. **Productivity** [SKAEG16]. **Profile** [CS13, FPK+24, SS04, SKKB18, SSU+13, WTFO14]. **Profile-based** [SS04, SKKB18]. **profile-driven** [WTFO14]. **Profile-guided** [CS13, SSU+13]. **Profiling** [CG15a, JRK16, MPW+17, FBHN04, MAN+08, NMKS06, ZCW10]. **profit** [ZCS06]. **profit-driven** [ZCS06]. **Profitability** [CLA+19]. **Program** [BB21, DSR15, PVA+17, RAF22, ZHB18, DS12, PJ13]. **Programmable** [MCB+12, AS13, Zha08]. **Programming** [ÄJE+16, MGSH16, PBY+17, RGK+23, RAF22, TWB21, YCA18, LD24, NCC13]. **Programming-Based** [ÄJE+16].

Programs [DKB+20, GKCE17, KPM21, KPP+15, LLS23, MPPS18, MNSC16, RHC15, SGS+20, WLZ+13, WGO15, PC13, PGB13, WO13, YLW08]. **Projection** [TTS19]. **promotion** [LJMG12]. **Proportional** [DH16]. **proportionality** [AVG12]. **proprietary** [JEBJ08]. **protect** [BVIB12]. **Protecting** [NRQ16a, CWC06]. **Protection** [AHA+19, BCHC19, Bis21, ERAG+16, CCZ13, MA08]. **protocol** [SSPL+13, SSH+13]. **Providing** [KKL+24, XHJY17]. **Provisioning** [BSSS14]. **PS** [LMJ13a]. **PS-TLB** [LMJ13a]. **pseudo** [YJTF13]. **pseudo-associativity** [YJTF13]. **Public** [SDS+21, WLWB19]. **Puppeteer** [ELE+23]. **Purpose** [CAMJ15, SDZ+21]. **Push** [LSH+23, YLTL04]. **Push-Memory** [LSH+23]. **Python** [ZXX23].

QoS [ASP17, FYI+24, JYW22, LPZI12, NMPS22, SAL19]. **QoS-Aware** [JYW22]. **QoS-Constrained** [NMPS22]. **QoS-enhanced** [FYI+24]. **QoS-pro** [FYI+24]. **QoS-Supervised** [ASP17]. **quadruple** [LDG+13]. **quadruple-precision** [LDG+13]. **Quality** [APS22, GSZI10]. **Quantifying** [DVG+23, LZW23]. **Quantitative** [ACG24, TCS16]. **Quantized** [WLJ+24]. **Quantum** [LD24, Lou19, SM19, IWP+04]. **quasi** [JSM+04]. **quasi-static** [JSM+04]. **Qubit** [LD24]. **QuCloud** [LD24]. **Query** [KVH23]. **Queue** [HLSW17, BB04]. **QuMan** [SKKB18].

R [VC16]. **R-GPU** [VC16]. **Race** [LHC+17, MNSC16, YZZ+23]. **Racetrack** [KHB+20]. **rack** [MKC+22]. **Radio** [DMR+16]. **radix** [ASK13, LDY+21]. **RAGuard** [ZHS+19]. **RAM** [CRC+21, LZL+13, PLK+19, RTK15, WDX14]. **Random** [ELE+23, VSP+12]. **Range** [CTY+23]. **ranges** [MAN+08]. **Rank** [AJK+12, BOEN23]. **Rank-preserving** [BOEN23]. **Rate** [CWMC16, EPS18, SWO21, SHD15]. **RATT** [CWMC16]. **RATT-ECC** [CWMC16]. **Rcmp** [WGL+24]. **RDMA** [DWF+23, WGL+24]. **RDMA-Based** [WGL+24, DWF+23]. **Reach** [JED19]. **Reactions** [PBCB22]. **Read** [MNSC16, RJSA18, RLS15, JLCR13]. **Read-Modify-Write** [RLS15]. **read/write** [JLCR13]. **Real** [CCL+24, CEP+16, DPBI+19, DJZ+23, KE15, KTAE16, GK13, YZ08, ZGC+12]. **Real-Time** [CCL+24, CEP+16, DPBI+19, KE15, KTAE16, GK13, ZGC+12]. **Real-world** [DJZ+23]. **Reasoning** [DKB+20]. **reassignment** [CH06]. **recency** [VSP+12]. **recognition** [KKM+13]. **recompilation** [NED+13]. **Recompute** [AEE+19]. **Reconciliation** [TWB21]. **Reconfigurable** [DBH16, KHS+14, LMSE18, PT17, TD16, VC16, VKM+21, AS13, KLMP12, KCP13, ZSLX13]. **Reconfiguration** [DTD16]. **Reconstructability** [BRJM15]. **Reconstructing** [WGL+24]. **Recovery** [LHY+06, RHLA14]. **Recycling** [KKAR16]. **ReDirect** [PT17]. **Reduce** [ASP17, DSR15, SLS+21, ZCCD16, YZ08]. **Reduced** [CS21, VED07]. **Reducing** [AMS23, CPP08, GWS13, HL07, JLCR13, SLP08, TS15, TCR+22, ZHD+04, Zha08, ZWS+16, BCM11, MP13, PGB12, ZSCM08]. **Reduction** [ASS17, APS22, KTAE16, LSC+15, LWL18, SJL+20, MSK05, XT09]. **Reductions** [PWPD19]. **Redundancy** [YZZ+23]. **Redundancy-aware** [YZZ+23]. **Redundant** [KS16, SDK+22, JLER12]. **Reference** [DCL+22]. **references** [YZL+10]. **referent** [WK09]. **Refresh** [JHHM21, LSC+15, NCQ14, TKM14]. **RegCPython** [ZXX23]. **Region** [HWL+19]. **Register** [JCG+24, KPM21, LZM14, MP22, SKPD19, SGM+22, TS15, TWB21, VZS+18,

YWXW12, YBSY19, ZXX23, BZS13, CH06, GKP14, JOA+09a, JOA+09b, JA14, SJV08, SLP08, SSR13]. **Register-based** [ZXX23]. **Register-Pressure-Aware** [SKPD19, SGM+22]. **registers** [SCEG08, YZ08]. **Regression** [JGSM15, CDPD13]. **Regular** [BC13, JSH09]. **Regulation** [JYW22, SCFD22]. **regulators** [EE11]. **Reinforcement** [JPS17, LSL20]. **Relational** [YDS+19]. **Relativization** [BDB+20]. **Relaxed** [GHH15, RJSA18, YJTF13]. **relaxed-order** [YJTF13]. **release** [GW09, JOA+09b, SLP08]. **Reliability** [NRQ16b, SQZK20, ZFT+18]. **Reliable** [CWMC16, KS16, KK15, ZLYW18, CPB+07]. **Remapping** [LWL18, ZPC06]. **Rematerialization** [SMS23]. **Remote** [TN20, XVT20, NMKS06]. **removal** [BCVT13]. **Removing** [ACGK04, JCG+24]. **renaming** [JA14]. **Rendering** [PLK+19]. **ReNIC** [DCP+12]. **reordering** [CZ07]. **Replacement** [DAD16, Mic16, FTLG11, TKJ13, WM11, ZDC+12]. **Replacing** [DKK+21]. **Replay** [CCL+13, MPHL22, SKS23]. **Replay-based** [MPHL22]. **REplayer** [DAP+15]. **Replication** [DWF+23, ACGK04, DCP+12]. **Representation** [SGS+20, KCKG14]. **representative** [BE13]. **requester** [ATGN+13]. **requester-wins** [ATGN+13]. **ReRAM** [JLL+23, ZFT+18]. **ReRAM-based** [JLL+23, ZFT+18]. **ReSense** [DWDS13]. **Reshaping** [JYW22]. **Resilience** [KPRK20, TCS16]. **Resilient** [OK21, Pro21, SZJK18]. **Resistance** [RJSA18]. **Resistive** [MYKG16, TZK18]. **Resource** [APS22, CMAP22, CSW+23, JZY+22, LZW23, MRK+22, MKC+22, Per18, PS12, QYZ+14, SAL19, ARS04, DWDS13, GW08, NMKS06, VS11, ZK05]. **resource-constrained** [NMKS06, ZK05]. **resource-efficient** [GW08]. **Resources** [KLA+19, SDS+21, RGG+12]. **Retargetable** [SHY14, HEL+09, HLC10]. **retention** [PLK+19]. **Rethinking** [ERAG+16]. **return** [VS08]. **Reusable** [HPBS21]. **Reuse** [AKBS21, DAD16, GLTV23, HAM+20, JLJ+18a, KE15, KR19, SCMU22, SSW+19, AIVL13, FER+13, YZL+10, YLW08]. **Reuse-aware** [HAM+20]. **ReuseTracker** [SCMU22]. **Reusing** [PKPM19]. **ReveNAND** [SZJK18]. **Reverse** [SDS+21]. **Reviewers** [Aca16, Ano13b, Ano15, Bil19, Ano13a]. **Revisited** [AMG16, MBY13, VS08]. **Revisiting** [GFD+14, KAC15, MMS15, WWWL13]. **Rewrite** [SHS+20]. **Rewriting** [EZYA23, GMZ+21]. **RF** [TBC+12]. **RF-I** [TBC+12]. **RFVP** [YPT+16]. **RIMA** [XVT20]. **RISC** [JHQ23, MPU+23, TGRK21]. **RISC-V** [JHQ23, MPU+23, TGRK21]. **rNdN** [KVH23]. **RNN** [SAG22]. **Road** [SWU+15]. **ROCCC** [BCVN10]. **Rollback** [YPT+16]. **Rollback-Free** [YPT+16]. **Roofline** [ESR+15]. **ROP** [ZHS+19]. **router** [APG13, ASK13, LDL22]. **Routers** [LDY+21, LDL22]. **routes** [KCP13]. **Routing** [ACA+19, CVB15, LLC22, YRGES+19, BRSJG12, PRMH13]. **Row** [GBD21, SL20, JLCR13]. **Row-Buffer** [SL20]. **RRAM** [LCS+19]. **RRAM-Based** [LCS+19]. **RSA** [LFK19]. **RTL** [BGG+15]. **Rules** [SHS+20]. **Runtime** [APG+23, DBH16, DT17, ESB+20, KPP+15, LTG12, MMGS21, MSFC21, SSH19, TTS19, YAG+16, YRHBL13]. **Runtime-Reconfigurable** [DBH16]. **Runtimes** [CMAP22].

Sabrewing [BWG+12]. **SAC** [ZML+24]. **Safe** [JCG+24, YPT+16]. **Safe-to-Approximate** [YPT+16]. **Safety** [CLA+19, JRH21, SBC+22]. **Salvaging**

[JDZ+13]. **Sample** [WDW+22]. **Sampled** [JYE+16, HS05]. **Sampling** [Lee16, ZWS+16, JYJ+13]. **Sandbox** [PKL+24]. **SAQIP** [SM19]. **Save** [ADGA20]. **Saving** [NMPS22]. **Scalability** [GVT+17, LMZ18, CWCS13, RVOA08]. **Scalability-Aware** [GVT+17]. **Scalable** [ASK13, CNS+16b, KFJ20, MG19, Per18, SM19, SYE19, SGS+20, SMM+23, SSS+23, SJL+20, TCS16, ZLYW18, ZLJ18, ZM15, CWCS13, KCKG14, LNLK13, LMJ13a, SSH+13, VW11]. **Scalar** [SPH+17]. **Scalarization** [LAAMJ15]. **Scale** [CAY+18, DAKK19, JLJ+18a, SKH+16, YSD+23, ZPL+21, ZLM+23, HZC+23, RCV+12, SMK10]. **Scale-out** [YSD+23]. **Scaling** [BHC+16, GBD+15, MKKE15, ZLC+15, XMM04]. **SCALO** [GVT+17]. **Scenario** [BB21]. **Scenario-Aware** [BB21]. **Schedule** [GGS+17, GGS+19, LMSE18, SSW+19, SSB+20]. **Scheduler** [SCK+21, TD16, USCM16, WZZ+20, CWCS13, KCP13]. **Schedulers** [KKAR16]. **Scheduling** [ÄJE+16, ASV+16, CCL+24, DHX+22, DHD+14, HAM+20, LLC22, LWC+22, LZM14, MKKE15, QYZ+14, SLS+21, SKPD19, SGM+22, TAB+21, UPR22, XHJY16, BBG13, CPB14, CG14, EE12, MBKM12, SPGE06, SWH09, SSR13, TBC+12, XL07, ZGC+12, ZYCZ10]. **Scheme** [AEE+19, LLW+22, LD24, SDK+22, WPJ19, ZWL+19, BBG13, CCZ13]. **schemes** [KCKG14]. **Scientific** [RGK+23]. **SCIN** [NTG13]. **SCIN-cache** [NTG13]. **SCORE** [ZWL+19]. **SCP** [SLJ+19]. **Scratchpad** [JAK17, RTK15, SDZ+21, YBSY19, CS10, LFX09]. **script** [KBR+13]. **script-based** [KBR+13]. **Seamlessly** [KNBK12]. **Search** [BOEN23, HKA+19, KL19, ZX19]. **searches** [KHW+05]. **SecNVM** [LLW+22]. **SECRET** [LSC+15]. **Section** [DSR15]. **Section-Based** [DSR15]. **Sector** [CAGS17]. **Sectored** [CAGS17]. **Secure** [LLW+22, SOAK23, CRSP09, SSPL+13]. **Securing** [LIS20]. **Security** [SSH19, YGB21]. **Select** [TDS+21]. **Selecting** [BE13, TDO16b]. **Selection** [MNC+16, SNN+19, ZGP15, MBY13]. **Selections** [BAZ+19]. **Selective** [DKB+20, GGYK19, KMG14, LSC+15, WPJ19, LWWH12, MA08, VSP+12]. **Self** [LLRC17, SAL19, BBG13]. **Self-aware** [SAL19]. **Self-Balancing** [LLRC17]. **self-scheduling** [BBG13]. **SelSMaP** [WPJ19]. **Semantic** [AP17, HCC+14]. **Sensible** [LMA+16]. **Sensing** [WCI+16]. **sensitive** [Nas13]. **sensitivity** [DWDS13]. **Sensor** [DSK19]. **Sensor-Processor** [DSK19]. **Sequences** [ABP+17, MNC+16, KHW+05, PJ13]. **Sequential** [WLZ+13, LZ12]. **series** [LTG12]. **Server** [AVG12, FCD+17, JYW22, LTG12, RPE12]. **Serverless** [PKL+24]. **Servers** [LTX16]. **Service** [APS22, GMW09, JYW22, GSZI10]. **Set** [KBB+14, AR13, HL07, KWCL09, ZK06]. **set-associative** [HL07, KWCL09]. **sets** [DDU12]. **setups** [RPE12]. **sFtree** [BRSJG12]. **SG** [YGB21]. **SGD** [XDW+23]. **Shadow** [ZGX22]. **Shape** [MWJ19]. **Shared** [ADGA20, DRHK15, FYI+24, GKP14, GAH22, HMYZ15, KE15, LBM13, PG17, SKAEG16, SLJ+19, WJXC17, XHJY16, AGI+12, AIVL13, GGFPRG12, GSZI10, HLR+13, KGK10, LHWB12, RGG+12, WM11, ZPC06]. **shared-data** [HLR+13]. **shared-memory** [ZPC06]. **Shared-port** [GKP14]. **Sharing** [GG18, JAK17, KLA+19, NSF+21, YDL+17, ZJJ+15, ZNTJE23, SSK11]. **Shelf** [DPBI+19]. **Shifts** [KHB+20]. **ShiftsReduce** [KHB+20]. **shotgun** [FBHN04]. **showdown** [SCEG08]. **shuffler** [BVIB12]. **Side** [AHA+19, BCHC19, Bis21, JFK20, JHQ23, LFK19, BVIB12, DJL+12]. **Side-Channel**

[BCHC19, Bis21, JFK20, LFK19, BVIB12]. **Sided** [DWF+23]. **signatures** [OAB12]. **Significance** [PVA+17]. **Significance-Aware** [PVA+17]. **Significantly** [MP13]. **Silent** [PLG19]. **silicon** [PCT12]. **SIMD** [AR13, DSK19, FSYA09, GS12, GSZY20, GR15, HEL+09, KMG14, LHW+19, MYG15, MYKG16, RMA14, SMKH15, WWC+16, WWGS22, ZX19, ZX16]. **SIMD-based** [WWGS22]. **SIMD-Matcher** [WWGS22]. **Simple** [BNS+21]. **Simplifying** [ZZB+19]. **SIMPO** [ZLYW18]. **SIMT** [CC18, LAAMJ15, TCS20, XGD+23]. **SIMT-X** [TCS20]. **Simulating** [RPE12]. **Simulation** [GMZ+21, JYE+16, QSZ+21, SLJ+18, SKP+22, vdVSAAS20, HS05, JYJ+13, RCV+12]. **Simulations** [CAY+18, HEMK17, JLJ+18b]. **Simulator** [LCS+19, NRQ16b, TPN+20]. **Simulators** [JLJ+18b]. **Simultaneous** [LGP+16, WLLW20, EE09, RCG+10a]. **Simultaneously** [LAS+13]. **Single** [LD24, RTG+07, TCS20, ZWY17, CG14, GB06, JK13, VE13, WK09]. **Single-dimension** [RTG+07]. **Single-Instruction** [TCS20]. **single-ISA** [CG14, VE13]. **single-referent** [WK09]. **Single/Multi** [LD24]. **Single/Multi-programming** [LD24]. **Site** [HZN+22]. **Size** [ZCDD23, MBY13]. **Skeleton** [NC15]. **Skeleton-Based** [NC15]. **Sketch** [XDXL19]. **SketchDLC** [XDXL19]. **Skinny** [BHWN21]. **Skylake** [HYYAM16, YHYBAM20]. **Skylake-Based** [HYYAM16, YHYBAM20]. **Slack** [NMPS22]. **Slice** [KABS22, LNFE22]. **Slice-out-of-order** [KABS22]. **Slicing** [FSP+23]. **SLO** [SCK+21]. **SLO-Aware** [SCK+21]. **SLOOP** [ASP17]. **Slowdown** [XHJY17]. **SM** [ZJJ+15]. **Small** [WDW+22]. **Small-Sample** [WDW+22]. **SMART** [LLC22, AGVO05, WYZ+23]. **Smart-DNN** [WYZ+23]. **SMT** [EE12, LLC22, LMCV13, PLT+15, SLP08, VS11, WA08]. **SMT-Based** [LLC22]. **Snapshot** [LDC15]. **Snippets** [SWU+15]. **Snug** [HL07]. **SoC** [CWW+16, ESB+20]. **SoCs** [FDF+14, SAL19]. **Soft** [BDB+20, FWJ+16, OK21, LKL+13]. **Soft-Error** [OK21]. **Software** [Abd20, BCHC19, Bis21, DMR+16, GSC17, LCL+14, MGI15, RCV+05, RWFJ19, SBS16, SDK+22, SEP07, VCJ+17, VZS+18, WLLW20, YWXW12, ZGX22, CPB14, CS10, HWH+11, HCC+14, MMdS06, RVOA08, RCG+10b, RTG+07, TGAG+12, YRHBL13]. **Software-Based** [ZGX22, LCL+14]. **Software-controlled** [RCV+05]. **Software-Defined** [DMR+16, TGAG+12]. **Software-Directed** [VZS+18, SEP07]. **software-guided** [RCG+10b]. **Software-hardware** [Abd20]. **Software-level** [SDK+22]. **Software-Managed** [YWXW12]. **Solution** [WLLW20]. **Solving** [JOB+22]. **Some** [KAC15, Mic16]. **SortCache** [SJC+21]. **Source** [BGG+15, EZYA23, HKA+19, YRGES+19, VOK+22]. **Source-adaptive** [YRGES+19]. **sourced** [MPHL22]. **Space** [BC13, CAGS17, ESB+20, KL19, CPP08, IMS+08, Nas13, PJ13, VHKP11]. **Space-Efficient** [BC13, Nas13]. **spaces** [BE13]. **Sparse** [ASH20, ACGH24, BJWS18, BKS+22, HEDH21, JOB+22, SMN22, SJL+20, SJC+21, YAG+16, YXMC23, ZBC+22, ZPH+23, AR13]. **Sparsification** [XDW+23]. **Sparsity** [XSF+23]. **Spatial** [CKP+22]. **Spatiotemporal** [LAAMJ15, PL23]. **SPCM** [HASA16]. **SPEC2006** [HPBS21]. **SPEC2017** [HPBS21]. **special** [CDM13, SHC13, SD12]. **Specialization** [ANS+22, BB21, FBC+22, LLS23, YAG+16]. **Specialized** [GáSÁ+16, RAF22, GÁSÁ+13]. **species** [NCC13]. **Specific** [CGP23, GMZ+21, UDLD20, CZGC20, PRMH13]. **Specification** [ZPH+23]. **SpecTerminator**

[JHQ23]. **Spectral** [SBC05]. **Speculation** [KS21, MGI15, GPL+05, SHLM14]. **Speculative** [JHQ23, VS08, DC07, GPL+05, LCH+04, LHY+06, LZ12, LHZ13, NTG13, VS11, XIC12, XC06, YRHBL13, ZSCM08]. **speed** [GB06, RPE12]. **Speeding** [GGS+19]. **SpGEMM** [ZBC+22]. **Spiking** [CRC+21]. **spill** [XT09]. **Spilling** [CBD15]. **Spin** [ZML+24]. **Spin-based** [ZML+24]. **Spintronic** [CRC+21, RKC+20]. **split** [RFD13, TBS06]. **splitting** [WWY+12]. **SplitZNS** [HFL+23]. **SPM** [KE15]. **SpMV** [BJWS18, ZLYZ16]. **SpMxV** [KGK10]. **sporadic** [ZGC+12]. **spurious** [BCVT13]. **SPX64** [SDZ+21]. **Squash** [SKS23]. **SR** [DCP+12]. **SR-IOV** [DCP+12]. **SRAM** [GBD+15]. **SSA** [AvRF07, BZS13, CBD15, PBCB22]. **SSA-based** [AvRF07]. **SSA-form** [PBCB22]. **SSD** [HWJ+15, KHS+14, SLH+20, WZWW23, XDW+23]. **SSD-SGD** [XDW+23]. **SSDs** [FYI+24, HFL+23, LHS+24, SLS+21]. **Stabilization** [SHD15]. **stack** [CH06, VS08, SCEG08]. **Stacked** [CWMC16, DVG+23, LGP+16, NRQ16a, NRQ16b]. **Stacking** [APBR16, ZSLX13]. **Stacks** [ZGX22]. **stage** [ZZL+21]. **State** [CSF+20, DWF+23, GPL+05]. **Static** [AFD12, BHC+16, PLG19, SHY14, TPB24, JSM+04]. **statically** [NED+13]. **Stealing** [CG15a, CMAP22, MN24, ZCQ+19]. **Stencil** [CNS+16b, DKB+20, KFJ20, SHS+20, XFS+19, LFC13]. **Stencil-Based** [XFS+19]. **Step** [Lou19]. **Stopping** [SKS23]. **Storage** [KBB+14, LTX16, WZX+24, XZW+22, KKL+24]. **Store** [KKAR16, XZW+22, LHWB12, SL09]. **Stores** [PLG19]. **Strategies** [MRK+22, WYCC11]. **Strategy** [KFJ20, YCCY11, ZHD+04]. **Stream** [LT19, XCC+13, YWXW12, MG13, YZL+10]. **Streaming** [CNS+16b, MKKE15, PC13, WO13]. **Streaming-Based** [CNS+16b]. **Streams** [SJL+20]. **Strength** [GAM12]. **Strength-Based** [GAM12]. **Stride** [WPJ19]. **String** [EZYA23, CW13, PLL10, TBS06]. **String-Based** [EZYA23]. **string-matching** [CW13, PLL10, TBS06]. **Strings** [SPM17]. **Striped** [HASA16]. **Strong** [OK21]. **Structure** [JHH+23, WWY+12]. **Structured** [BDB+20]. **Structures** [IPSD21, FLG12]. **STT** [LZL+13, PLK+19, RTK15, WDX14]. **STT-RAM** [LZL+13, WDX14]. **STT-RAM-based** [PLK+19]. **studies** [LB10]. **Study** [CPS+15, SKAEG16, SSRS15, MSF+07]. **Studying** [CBD15]. **Sub** [ABP+17]. **Sub-Sequences** [ABP+17]. **Sublining** [HEDH21]. **subranked** [CCZ13]. **Subsetting** [AJK+12]. **Substrate** [ZZH+23]. **subwords** [SJV08]. **Suite** [CCM+16, DDT+17]. **Sunway** [AYL+18, MLC+23, ZFF+18]. **Supercomputer** [AYL+18, ZFF+18]. **Superpages** [WLL+19]. **Superscalar** [BEE15, MMS15, SRLPV04]. **Superscalars** [HYAR+15]. **Supervised** [ASP17]. **supplied** [YZL+10]. **Supply** [HAM17, HAM19, MST+21]. **Support** [BKS+22, KFEG18, LZZ+22, ME15, SBC+22, SKAEG16, ZZB+19, CWC06, DMG13, EAH+20, LMJ+13b, SLA+07, ZSCM08, ZZQ+05]. **Supporting** [WLL+19, SHC13]. **Surrogate** [BOEN23, GGS+19]. **SW** [KMG14, TS15]. **SW/HW** [TS15]. **SW26010** [JYM20]. **switch** [ASK13, BRSJG12, CPB+07, GWM07, LS10]. **switch-to-switch** [BRSJG12]. **SWITCHES** [DT17]. **Switching** [MSFC21, DMG13]. **SYCL** [PSL+23]. **symbiosis** [EE12]. **Symbolic** [LLS23, ZLJ18]. **SYmmetric** [PS12]. **Symmetry** [GSC17, ZDC+16].

Symmetry-Agnostic [ZDC+16]. **Synchronization** [DAKK19, GWZ22, MNSC16, SLJ+18, CCPG13, ZSCM08]. **Synchronization-Aware** [SLJ+18]. **Synchronous** [PBCB22]. **SynchroTrace** [SLJ+18]. **Synergistic** [VGX16]. **Synthesis** [DJC16, GSC17, MMLS21, SJD22, SSW+19, SSB+20, UDLD20]. **Synthesizer** [DS16]. **SYRANT** [PS12]. **System** [Abd20, AJK+12, CC18, CSW+23, GBD21, HPBS21, HHC+16, HHW+22, LYK+15, LCS+19, LWC+22, LZW23, MMGS21, MGSH16, PDY+23, PLT+15, SBS16, SWF16, TKKM15, VOK+22, VKM+21, ZFT+18, ZZL+21, CDPD13, HCC+14, KBR+13, LWH11, SSPL+13, TBC+12, WSC+13]. **System-** [PLT+15]. **System-Level** [LCS+19, LZW23, ZZL+21]. **Systematic** [EMR14]. **Systematically** [JLJ+18b]. **Systems** [AGG21, ANS+22, APG+23, CNS16a, CKPH19, FMY+15, FPMR21, GTT+16, HYYAM16, JED19, KE15, KTAE16, KAC+18, KHN+18, KMAK22, LMA+16, LYH16, MMT+12, MKKE15, MSFC21, NRQ16b, OKJ+22, PLK+19, PG17, PBY+17, PGB16, SKP+22, SPS17, TMP16, TPN+20, TCS16, USCM16, WGO15, WLL+19, XHJY16, ZDC+16, ZSM+16, CPP08, CWCS13, DXMJ11, GK13, GHS12, HS06, HWH+11, KNBK12, KGK10, LMJ+13b, LCL+14, LHZ13, LFC13, LHWB12, MP13, NCQ14, YRHBL13, ZVYN05, ZPC06, ZCW10, ZDC+12]. **Systolic** [SMN22, XMW+21, YSD+23].

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