Title word cross-reference

2 [BSL17]. 3
[CWMC16, LGP+16, NRQ16b, ZSLX13]. 3
[CCZ13, DDT+17]. Z [SLM12].
-polytopes [SLM12].
/channel [LCL+14].

2014 [Aca16, Ano15].

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

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

A-DFA [BC13]. Aborts [RLS15]. ABS

[AGI+12]. Abstract [LMA+16, PD17].
Abstracting [JSH09]. Abstraction
[RLBBN15, ZM15, RCV+12]. Accelerate
[CNS+16b]. Accelerated [HS05, SWF16].
Accelerating [GASÅ+13, GR15, JYJ+13,
LWF+16, RMA14, TMP16, HWX+13].
Acceleration
[GASÅ+16, HAC13, WFKL10]. Accelerator
[MCB+12, LHWB12, VDSP09].
accelerator-based [LHWB12].
Accelerators
[KCA+13, KMG14, USCM16, BKA13, CI13].
Access [CG15b, GFD+14, HK14, LGP+16,
LHC+17, LTX16, SKH+16, XHJY16,
FTLG11, HLR+13, HCC+14, JSH09,
KCKG14, LWH11]. Accounting
[LMA+16, DEE13, LMCV13]. Accuracy
[AAI+16, ASS17]. Accurate
[NDP17, WAST16, LMJ+13b]. ACM
[Aca16, Ano13a, Ano15]. Across
[DFC+14, NDP17, SW17a]. activations
[JLCR13]. Active [KHS+14]. Adapt
[DG1+14, PGB13]. adaptation
[DJB13, LGAZ07, SS04]. Adapting
[GHH15, LB05]. Adaptive
[CG14, CWM16, FQRG13, GFD+14, HWX+13, JRK16, Lee16, LYH16, WCI+16, WM11, AG1+12, MAN08, SW13, ZK05]. Adaptivity [DRHK15]. Address
[SKEAEG16, CCZ13, VS08, ZPC06]. Addressing [WA08, CWCS13]. Affine
[AP17, NCC13, SL12]. Against
[ERAG+16, PHBC17, BVIB12]. Agent
[JS17]. Aggregate [LY16]. Aggregation
[AYC16]. Aggressiveness [PB15]. Aging
[DG1+14, KKW15, LRBG15]. Aging-Aware [LRBG15]. Agnostic
[ZDC+16]. agreement [GMW09]. Aho
[CW13, PLL10]. AIM [AYC16]. ALEA
[MPW+17]. Algorithm
[BC13, DG1+14, DTD16, BRSJG12, CW13, CDPD13, HAJ12, PLL10, XC06, ZGC+12]. Algorithmic [AAI+16, NCC13]. algorithms [OGK+12, VTN13]. Allocation
[DHD+14, PS12, RTK15, BZS13, CS10, GW09, RB13]. allocator [DHC+13]. ALP
[SLA07]. Analysis
[DSR15, GAM12, JK17, MM10, VTN13, VGX16, ARS04, AF12, FER13, JOA+09b, Nas13, SV05, SMK10, ZCW10]. analytic [XMO]. Analytical
[BEE15, AF07, CA11]. Annotation
[MGA+17]. Anomalies [LDC15].
Anticipating [LJMG12]. API [CI13].
Application [GTT+16, PLT+15, AS13, GÁS+13, RCV+12, SB09, TD15]. Application-Guided [GTT+16]. Application-Level [PLT+15].
Applications
[ASS17, AZG17, DMR+16, DTD16, FWJ+16, GR15, JYE+16, NKH16, RHLA14, RMA14, RLBBN15, CS13, DWDS13, HLR+13, KNBK12, MKM12, STLM12, SV05, SLA+07, SLM12, YLTL04, ZG05]. Applied [LB10]. applying [ZWHM05].
Approach [AZG17, CNS+16b, ERM14, FDF+14, KS16, TS15, WAST16, ZX16, FT10, SS13, WYL10, YJTF13, ZCS06]. approachable [WH+13]. Approximate
[DS12, YPT+16]. approximation [LTG12]. Apps [PCM16]. Arbitrary [RHC15].
arbitration [XCC+13]. Architecting
[CP+07]. Architectural
[CPH15, DCP+12, HEMK17, ME15, WAST16, IMS08, SB09, ZQ05, CWC06]. Architecture
[HK14, PVS+17, SHY14, SWF16, VC16, VFJ+17, ARS04, BVIB12, BWG+12, CPB+07, DJX13, GKP14, GZ010, JYJ13, JA14, LNLK13, PM12, STLM12, SNL04, SRLP04, SSPL+13, ZK06].
arbitrary [BVIB12]. Architectures
[AJE+16, ASK+16, ASP17, CG15a, CEP+16, CDPN16, GR15, HAM17, LAS+13, PT17, RMA14, ZLYZ16, BBG13, BWLR06, BTS10, CG14, CK11, CDM13, KCP13, LKL+13, OGK+12, RCV+12, SSK11, SD12, SB09, TC07, TDG13, VE13, YXK+12].
Area [LAS+13, SB09]. area-efficient
[SB09]. ARI [FQRG13]. Arithmetical
[LVR+15, BWG+12]. ARM
[GDL16, SHY14, SPM+17]. Array
[WG17, BWLR06, KLMP12]. Arrays
[TD16]. ARSEC [DDT+17]. Assembly
[LVR+15]. assistance [JOA+09a]. Assisted
[CDPN16, HNKK17, JDZ13, KKAR16, PHBC17, CSTM06]. associative
[HL07, KWCL09]. associativity [YJTF13].
asymmetric
[CG14, CCPG13, PCT12, SW13]. Attacks
[ERAG+16, PHBC17, BVIB12, CCD12, DJL+12]. Auto [CG15a, WG17].
Auto-Tuning [CG15a, WG17]. automata
[VW11]. automatable [AFD07].
Automated [ASS17, CSS14]. Automatic
Autonomously [DG14], Autotuning [AMP+16, YAG+16, KBR+13, LFC13].

Aware [DG14, CG15a, DTD16, DHD+14, GVT+17, LHY16, LRBG15, PFA+17, PG17, SKH+16, USCMI6, WLZ+13, WJX17, ZWY17, CG14, CWCS13, EE09, GGFPGRG12, NB13, SSS+04, SEP07, WYJL10, WSC+13, WDXJ14, ZYCZ10, ZDC+12, ZK06].

Awareness [HLSW17, LKL+13].


Based [AJE+16, CNS+16b, CG15a, CG15b, DS15, DAD+15, DFP+14, GAM12, HYYAM16, JPS17, KS16, LTX16, LYL6, MNC+16, NC15, SBS16, WGO15, WDX15, WCI+16, WWC+16, XHZY16, ZLC+15, ZSM+16, AvRF07, BCVT13, CPP08, CW13, GK13, HLR+13, HAJ+12, HWMI4, HWX+13, JYJ+13, KBR+13, LBO14, LTG12, LCL+14, LBWSB12, RLS13, SS04, TJK13, WSC+13, WUTF014, ZHD+04, ZGC+12].

Bayesian [AMP+16]. Be [SW17a].


Big-Memory [ZLC+15]. Bimodal [TD16].

Binary [DGG16, GD16, SHY14, CDM13, GHS12, HS06, HLC10, LWH11, PKC12].

bipartite [BZS13]. Bit [TBS06, BWLR06, VED07]. Bit-split [TBS06]. bitwidth [NB13]. bitwidth-aware [NB13]. Block [GFD+14, KTA16, LLRC17, LTX16, ZK06].

Block-aware [ZK06]. Blocks [HWJ+15, SYX+15]. Boltzmann [PAV15].

Bones [NC15]. Boosting [AV+16, RLS13, BTS10]. both [BSWLE13, HP04, MP13]. bottlenecks [MMdS06]. bound [MBKMI2]. bounded [HS06].

Bounding [XM04]. Bounds [ESR+15, BWLR06]. BPM [LCL+14].

BPM/BPM [LCL+14]. Branch [EPAG16, C07, WWH+11, Jim09, JSM+04, LB05, MG12, TS05]. branch-predictor [JSM+04]. branch-target [LB05].

Branches [DGG16]. Breakdown [HYYAM16]. bridging [HCC+14].

Bringing [DDT+17]. buddy [KWCL09, ZJJ+15]. Budget [LWF+16]. buffer [LB05, RB13]. Buffering [YMM+15, GPL+05].


C [CWW+16, NC15, NED+13].

C-to-CUDA [NC15]. C/C [NED+13].

C1C [LZL+13]. Cache [CAGS17, DAD16, GFD+14, HK14, HMYZ15, KAC15, LLRC17, Mic16, SSW16, SBS16, SKH+16, WJX17, YDL+17, ZWY17, APG13, AGV05, AG1+12, AFD07, BWLS13, CA11, CWS06, DJL+12, FTLG11, GGFPGRG12, GSZ10, HAJ+12, KS11, KWLC09, LCC11, LHLZ+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].

Caches [CAGS17, CPS+15, GBD+15, JPS17, SBS16, WDX14, AIWL13, DJL+12, HS06, HL07, KS11, KWLC09, LJMG12, MSK05, SSK11, SSC+13, VSP+12, WDXJ14, WLZ+10, WM11, ZDC+12].

Caching [DTN16, SYX+15, DZC+13, JOA+09a, WFKL10].

CACTI [BKM+17].
Compiler-Directed [HYAR+15, LFX09].
compiler-guided [LZL+13]. Compiler/Runtime [KPP+15], compilers [CDM13, HEL+09, SD12], Complex [SHD15, SLA+07]. Complexities [GHH15, ZBH+13]. Complexity [KAC15, CPP08, DJL+12, RPS06, SRLPV04].

Complexity-effective [RPS06].
component [LGAZ07]. Comprehensive [CPS+15]. Compressed [SSW16, DZC+13]. Compression [BC13, KPM17, PM17, SW17a, KGK10].


Configurable [NRQ16b, HVJ06, LZY+13]. conflicts [TGAG+12]. connected [BRSJG12]. conscious [LYYZ09].


Coordinated [ZDC+16]. coprocessor [LDG+13]. Corasick [CW13, PLL10]. Core [CHE+14, FMY+15, LBM13, PVS+17, SPS17, SPH+17, ZLYZ16, LNLK13, OKC+12, PM12, ZGC+12]. Cores [DT17, HYAM16, JPS17, MMS15, TDO16b, GB06, NTG13, PCT12, SW13, WYJ10, WFK10].

CoreUnfolding [APBR16]. Corner [DDT+17]. Correcting [SPM17].

Correction [DG1+14, CWM16, LeC16, LSC+15, LDC15]. Correctness [PD17]. correlating [TKJ13].

coscheduling [PGB13]. Cost [LGP+16, SSW16, YEI+14, AGI+12, DC07, FBHN04, MA08]. COTS [RGG+12]. Could [SW17a, ZPR+17]. Counter [WCI+16].

Counter-Based [WCI+16]. Counters [NDP17, RLS13]. counting [RB10].

coupled [PCT12]. covering [PJ13]. Covert [EPAG16]. CPU [BSSS14, LMCV13, PGB16].


Cryptography [AS13]. CUDA [KBR+13, NC15, VJC+13, WG17]. cycle [DEE13, RLS13].

YMM+15, AVG12, BSWLE13, CS10, CA11, CDPD13, CWC06, FER+13, FLG12, HLR+13, HL07, LWH11, LJMJ12, PC13, RB13, RDF13, STLM12, TG07.

**Data-Driven** [ME15, ME17], **data-flow** [PC13], **Data-Parallel** [MGSH16, NKh16].

**Data-Race-Free** [MNSC16].

**Data-Traversal** [RAM14], **Dataflow** [DT17, KPP+15, MMT+12, VTN13].

**Datapath** [IWP+04], **DawnCC** [MGA+17].

**DDR4** [TKM14].

**Deadline-Aware** [USCM16].

**DeadlineAware** [BRJM15].

**DDR** [VHKP11].

**Deadline-Aware** [USCM16].

**deadlock** [BRJM15], **deadlock-free** [BRJM15], **debugging** [VDSP09], **decay** [Zha08].

**Decoding** [CAMJ15].

**Deconstructing** [CFH+12].

**decoupled** [BZS13, DHC+13, ROA08].

**Decoupling** [HAM17].

**Deep** [ASK+16].

**Deeply** [GKCE17].

**DEFCAM** [LCC11].

**Defect** [LCC11].

**Defecttolerant** [LCC11].

**Defined** [DMP+16, TGAC+12].

**Defragmentation** [PVS+17].

**DeFT** [VHKP11].

**Delta** [DZC+13].

**Delta-compressed** [DZC+13].

**Demand** [BRJM15].

**Dense** [CWW+16].

**Dependence** [BRJM15, DHD+14, JK17, SL09, TG07, VTN13].

**DependenceAware** [DHD+14].

**dependences** [BCVT13].

**Dependency** [WLZ+13].

**DependencyAware** [WLZ+13].

**dependent** [YZL+10].

**depth** [HP04].

**Design** [CP+15, HJW15, KWM+08, RTK15, SPH+17, SL09, VHKP11, WLZ+10, BE13, CPP08, IMS+08, LB10, LCC11, LHZ13, VE13, ZK05].

**Designing** [BKA13, BSWLE13, MGSH16].

**Details** [FMY+15].

**Detecting** [DSR15, KS11].

**Detection** [CEP+16, LHC+17, MNSC16, WCI+16, YEl+14, LKL+13, TBS06, TDG13, VHKP11, WFO14].

**Deterministic** [CCL+13, VSDL16, VW11].

**Devectorization** [KMG14].

**Development** [VCJ+17].

**Device** [RLBBN15].

**Device-Level** [RLBBN15].

**Devices** [TKM14, NMK06, ZK05].

**DFA** [BC13].

**diagnosis** [BSO07].

**DieStacked** [CWMC16].

**DieStacking** [ZSLX13].

**different** [YXK+12].

**dimension** [RTG+07].

**Direct** [LLRC17].

**Direct-Mapped** [LLRC17].

**Directed** [HYAR+15, LFX09, NED+13, SEP07, WM10].

**directives** [CXW+12].

**Directories** [PT17].

**Dirty** [LLRC17].

**DirtyBlock** [LLRC17].

**discard** [LWWH12].

**Discard** [ZSM+16].

**DisIRer** [HLC10].

**Disjoint** [SJA12].

**Disk** [LYK+15].

**disparate** [WLZ+10].

**Dispatch** [LLRC17].

**dispatching** [LZ12].

**dissemination** [LZYQ09].

**Distance** [DAD16, GGFFPR12, FER+13, FTG11].

**Distance-aware** [GGFFPR12].

**Distance-Based** [DAD16].

**Distilling** [JEBO08].

**Distinguished** [Aca16, Ano15, Ano13a].

**distribute** [RFD13].

**Distributed** [KHS+14, ZPC06].

**Divergence** [NKH15].

**Divergent** [GR15].

**Diverse** [LP17].

**diversification** [CDM13].

**Diversity** [TDO16b, KNK12].

**DJ** [DDU12].

**DJ-graphs** [DDU12].

**DLP** [SNL+04].

**Do** [ZPR+17].

**Doesn’t** [LK12].

**Domain** [GASH+16, GASH+13].

**Domains** [SW17a].

**DPCS** [GBD+15].

**DPM** [GK13].

**Dragonfly** [CVB15].

**DRAM** [CVB15].

**DRAMCache** [PG17].

**DRAMs** [LSC+15].

**Driven** [ME15, ME17, PB15, ZWS+16, CDM13, FTG11, SLP08, WFO14, XT09, ZCS06].

** Dropping** [GFD+14].

**DSL** [PB17].

**DSPs** [VCJ+17].

**duplication** [KS11, LKL+13].

**DVFS** [EE11, GK13].

**Dynamic** [BHC+16, DGGL16, D16, DB13, FER+13, FTG11, FSYA09, GAM12, GDL16, GBD+15, KE15, KPP+15, KMG14, KKAR16, LKL+13, Lee16, LPZI12, LTX16, RHC15, SV05, SHD15, WWH+16, XHJJ16, ZWY17, BBG13, DWDS13, GHS12, HS06, HWH+11, HVJO6, JSH09]
LWH11, LJMG12, LCL+14, MG12, NED+13, WSC+13, XMM04, ZZQ+05. Dynamically [LZ12, PGB12, KS11].


Energy [AJK+12, AYC16, ASP17, CP+15, DH16, GKE17, GFD+14, HMVY15, JOA+09a, LSC+15, LMA+16, MCB+12, MKKE15, MAD17, MPW+17, PM17, RTK15, SW17b, SN17, SB09, TCS16, ZJJ+15, AVG12, BSWLE13, CW09, CWCS13, FB15, GWS13, GKP14, LTL12, LGZ07, LZY09, LJM+13b, LHZ13, SPGE06, SCS13, TDG13, ZHD+04, ZVYN05, ZGC+12, ZSLX13]. Energy- [SB09]. Energy-Efficient [AYC16, CPS+15, MKKE15, MAD17, SN17, JOA+09a, CWCS13, LZY09, LHZ13, SPGE06, SCS13, TDG13, ZGC+12]. Energy-Optimal [SW17b].


Exploit [AAI+16]. Exploiting [AIL13, ASK+16, HWJ+15, KGK10, MA08, NKM16].

Endurance-aware [WDXJ14]. Endurance [WDXJ14].
YEI+14, YZ08, YZL+10, ZX16, LYYB07, PCT12, RLS13, SNL+04, JOA+09b.
Exploration [BKMG17, MNC+16, CPP08, IMS+08, KWT09, VHHP11, WLZ+10],
Explorations [BGG15], Exploring [CK11, JK13, JOA+09b, MBKM12, MSK05, 
BE13, DJX13]. Express [DJC16].
Expression [BC13]. expressions [JSH09],
Expressiveness [PC13]. Extendable [CXW+12]. extended [SJVO8]. Extending 
[DBH16, VCH+17], extension [DCP+12].
Extensions [KHS+14]. Extractor [DAP+15].

Factorizations [AP17]. Facts [Mic16].
Failures [NRQ16a]. Fail [LMCV13].
Fairness [GWM07, LY16]. Falcon [CNS16a]. false [BCV01]. Fast [BC13, 
CCP13, KCP13, KHW+05, MKKE15, NRQ16b, NTG13, PRMH13, 
LMJ13a, SPGE06, TDG13]. Faster [PCM16]. fat [BRSJ12, PRMH13].
fat-trees [BRSJ12]. Fault
[CEP+16, FHBC17, RHLA14, RCV+05]. faults [BSO07, SSC+13]. FaultSim 
[NRQ16b]. Feature [TKM14, LBO14].
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, SRLP04]. FFT 
[GS12]. File [TS15, GKP14, SJVO8]. Files 
[YWXXW12]. filter [BSWLE13]. Filtering
[ZCCD16]. Financial [ABB+16]. Finding
[PIJ13]. Fine
[AZG17, BSSS14, EE11, HYHAM16, 
MPW+17, TKM14, WM11, YEI+14, LT13].
Fine-Grain [AZG17, HYHAM16].
Fine-Grained [BSSS14, MPW+17, YEI+14, 
EE11, WM11, LT13]. Finite
[LVR+15, VW11]. FinPar [ABB+16]. fixed
[CS13]. fixed-point [CS13]. FLARES
[DG1+14]. Flash [DG1+14]. Flexible

CC13, OAB12, SHC13, ZZQ+05. FlexSig 
[OAB12]. 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, FC13, 
TGO7]. Flow-Based [LY16]. flow-sensitive
[Nas13]. FluidCheck [KS16]. fly 
[VHHP11, WYX+12]. Formation
[KTAE16, FSYA09]. Formulating
[MAN+08]. Four [TDO16a]. FPGA 
[CS13, CWW+16, CDPD13].
FPGA-processor [CS13]. FPGAs
[FBWS13, GNB08, PI12]. fractal [JYJ+13].
fractal-based [JYJ+13]. Fraction [SPS17]. frame 
[GK13]. frame-based [GK13].
Framework [ASS17, AMP+16, GTT+16, 
GÄSÄ+16, KPP+15, LAS+13, LSC+15, 
ZLYZ16, AS13, BCVN10, CS10, DJX13, 
HEL+09, KKM+13, LCC11, LCH+04, 
LFC13, LHWB12, PGB13, YXK+12]. Free
[MNSC16, YPT+16, BRSJ12, GS12].
Frequency [BHC+16]. friendly [CRSP09].
Front [ZJJ+15]. Front-End [ZJJ+15]. FTL 
[HWJ+15]. Full
[HHC+16, MMT+12, SWF16, TKKM15].
Full-System [SWF16]. Fully
[HWJ+15, BRSJ12]. Functional
[GÄSÄ+16, GÄSÄ+13, YCCY11].
Functions [SSRS15, HWX+13, LDG+13].
fundamental [VE13]. Fuse [NDP17].
fusing [WM10]. Future 
[GB06, MMS15, DXMLJ11, LMMJ13a].
gap [HCC+14]. Garbage [ASV+16].
Gating [KMG14, WYCC11, YCCY11].
General [CAMJ15, SW17a, LHY+06].
General-Purpose [CAMJ15]. Generalized 
[DFD+14, SDH+15]. Generalizing [Jim09].
generate [KBR+13]. Generating 
[AZG17, RHC15]. Generation
[HMK17, GNB08, HLR+13, JLER12, 
LBO14, LHY+06, VJC+13]. Generator

MP13, SW13, WYJL10, YLTL04, Latency-Tolerant [HAM17], Lattice [CG15b, PAVB15], Lattice-Based [CG15b], Lattice-Boltzmann [PAVB15], Layer [ERAG+16, LGP+16, WAST16], Layout [CYXF13, WG17], Layout-oblivious [CYXF13], Layouts [BSL17], LD [LHC+17], LDAC [SKH+16], leakage [HL07, MSK05], Learning [ABP+17, JPS17, MCB+12, DJB13, LBO14, SPS12, TR13, WO13, WTO14], Learning-Based [PCM16], Legacy [MNSC16], legalization [AR13], Less [ZPR+17], Level [BBG+15, CHE+14], CPS+15, HNKK17, HK14, JYE+16, LBM13, MG15, PLT+15, RLBBN15, SWU+15, WDX14, WJX+17, AGI+12, AIVL13, BCVN10, EE09, GMW09, GPL+05, LCL+14, PCT12, VSP+12, ZDC+12], Level-1 [HK14], Leveling [JDZ+13], levels [RCV+12, SLA+07], Leveraging [GAM12, LMI13a, N15, SHLM14], Liberalization [MY16], libraries [BCM11], Library [FDF+14], Library-Based [FDF+14], Lifetime [PM17, SPM17, XC06], LIGERO [APG13], Light [CBD15, APG13], Lightweight [DT17, BWG+12, DMG13, LNLK13], limitation [DZC+13], Limitations [JKR16], limited [CZ07], limits [JOA+09b, MBKM12, MSK05], line [WDXJ14], Linear [AJE+16], lines [AGV005], linked [FLG12], List [Aca16, Ano13a, Ano15], Live [ZPR+17], liveness [BZS13, DDU12], LLC [FQRG13], LLC-memory [FQRG13], LLVM [DAP+15], LLVM-Based [DAP+15], Load [PGB16], Load-Balancing [PGB16], Loading [PCM16], Loads [VPT+16], Local [LVR+15, DHC+13], Locality [ASK+16, CG15a, SKH+16, AIVL13, FER+13], Locality-Aware [CG15a, SKH+16], Localization [CEP+16], location [YLW08], Lock [CWCS13], Lock-contention-aware [CWCS13], Locking [ZLY+10], Loop [ASP17, JI17, LVR+15, PHBC17, BCVT13, NCCI13, SHLM14, SLM12, YZL+10], loop-dependent [YZL+10], Loops [CNS+16b, SN17, SRC16, JSL13, KLMP12, RTG+07], Low [BBG+15, CAMJ15, DJL+12, GáSÁ+16, GDL16, LGP+16, LHC+17, RTK15, SW16, SW13, SWU+15, YEI+14, AGI+12, BB04, CCZ13, GKP14, MA08, SRLPV04, ZVYN05], Low-complexity [DJL+12, SRLPV04], Low-Cost [SSW16, YEI+14, AGI+12, MA08], low-energy [GKP14, ZVYN05], Low-latency [SW13], Low-Level [BBG+15], Low-Overhead [GDL16, LHC+17], Low-Power [CAMJ15, GáSÁ+16, BB04, CCZ13], Lower [ESR+15], lowering [SU+13], LP [GFD+14], Machine [ABP+17, DJB13, LBO14, SCEG08, SPS12, WO13, WTO14, WHV+13], machine-learning-based [WTO14], Machines [BSSS14, JK13, RB13, VED07], MAGIC [KKW+15], Main [ZPR+17, DZC+13, WSC+13, ZDC+12], Maintaining [YCCY11], Making [BGG+15], Malicious [KKW+15], Malware [WCI+16], MAMBO [GDL16], Managed [YWWW12], Management [GTT+16, GMGZP14, HYAR+15, HMYZ15, SPS17, ZDC+16, AVG12, FQRG13, GSZ10, HVJ06, KCKG14, LGAZ07, LFX09, LPZI12, RCG+10a, RB13, SW13, VS08, WWWL13, WSC+13, WDXJ14, WM11, ZYCZ10], Managing [ABR16, HS06, KBK12, VS11, SSK11], Manipulation [CNS16a], Many [DT17, FMY+15, PBS+17, ZLYZ16, LNKL13, OGK+12], Many-Core [FMY+15, PBS+17, ZLYZ16, LNKL13, OGK+12].
Many-Cores [DT17]. Manycore
[KS16, LAS+13, MKKE15, BTK+10], map
[WYJL10]. Mapped [LRC17]. Mapping
[CPDN16, DWDS13, DJC16, MKKE15,
SKAEG16, WGO15, YMM+15, CCZ13,
WYJL10, WFO14]. MapReduce [CC13].
MAPS [RLBBN15]. Massively
[MCB+12, RLBBN15]. Matching
[HIJW15, CW13, PLL10, TBS06, WV11].
Mathematical [Mic16], MATOG [WG17].
Matrix [BSL17, YAG+16, CXYF13, SJV08].
Matrix-Vector [YAG+16], maximize
[RCG+10a]. Maximizing
[AEJE16, LWF+16]. Maxine [WHV+13].
MaxPB [LWF+16], MBZip [KPM17].
McPAT [LAS+13]. Measuring [FMY+15].
Mechanism [CEP+16, SPS17, ZCCD16,
GB06, HWX+13, KS11, RFD13, SBC05].
mechanisms
[HWH+11, LCL+14, LMM08].
Mechanistic [BEE15, CHE+14], media
[SLA+07], meets [KHL+13]. Memoization
[SSR15]. Memories [BKIM+17, DGI+14,
KRHK6, SPM17, WDX15, YMM+15,
CCZ13, DXMJ11, LCC11]. Memory
[AJK+12, AYC16, CWMC16, CG15b, DD16,
DHD+14, ERAG+16, EE09, FMY+15,
GH15, GMGZP14, GHS12, HNK17,
HHC+16, HASA16, JDZ+13, LYK+15,
LGP+16, LP17, MYG15, MYK16, NRQ16a,
NRQ16b, NZ15, RLBBN15, SWL17a,
SMKH15, TKKM15, USCM16, WWH+16,
WJXC17, XHJY16, ZLC+15, ZDC+16,
ZSM+16, ZPR+17, AFD12, ATGN+13,
CS10, CCZ13, DHC+13, DJX13, DZC+13,
FQRG13, GPL+05, JSH09, JSM+04, KGK10,
KCKG14, LAS+08, LGAZ07, LFX09,
LCL+14, LWHB12, MA08, PLL10, PCT12,
RLS13, SV05, SL09, TBC+12, TGAG+12,
VDSP09, VED07, WKCS12, WWWL13,
WSC+13, WLZ+10, YJT03, YL04,
YLW08, ZPC06, ZSLX13, ZDC+12].
Memory-Disk [LYK+15].
memory-efficient [PLL10]. Memory-level
[EE09]. Memory-Reliability [NRQ16b].
MemTracker [VDSP09]. merge [DDU12].
Merging [TS05, SU+13]. Message [ZM15].
Message-Passing [ZM15]. metatypes
[LT13]. Metering [LMA+16, LM1+13b].
Method [KTAE16, CWCS13, SHC13].
Methodology [TCS16]. Metric [SPS17].
Metrics [EMR14, TDO16a]. MIAOW
[BGG+15]. MiCOMP [ABP+17]. Micro
[CAGS17]. Micro-Sector [CAGS17].
Microarchitectural
[FMY+15, DBJ13, LB10].
Microarchitecture
[MMS15, ASK13, HS05, RPS06, SSS+04].
microarchitectures [ACGK04].
Microbenchmarking [FMY+15].
Microprocessor
[KCA+13, BE13, YCY11].
microprocessors [BSO07, RCG+10a].
Migration [LTX16, LIMG12, MSF+07].
MIMD [FSY10], MinGLE [GSA+16].
in miniature [JEBI08]. minimal [XL07].
MINIME [DS16]. MINIME-GPU [DS16].
minimization [CH06, SSR13]. mining
[CDP13]. Minos [CWC06]. MIPS
[SHD15]. misaligned [LWH11].
Mismatches [APB16]. misprediction
[GW08]. miss [SLP08]. misses
[CST+06, LS10, VH4K11, Zha08].
Mitigating
[ABP+17, EPAG16, SYX+15, LCL+14].
mitigation [DJL+12]. mitigations
[CCD12]. Mixed [XIC12]. MLC [PM17].
MLC/TLC [PM17]. mobile
[AvRF07, TBC+12]. mode [SW13].
Model
[ESR+15, GGS+17, NZ15, SRC16, XHJY17,
DC07, MG13]. Modeling
[BEE15, LAS+13, SSC+13, AFD07, CA11,
EE12, IMS+08, XMM04, SSS+04]. Models
[CHE+14, FCD+17, GH15, VFW16,
LAS+08, XIC12]. Modern
[HYAM16, CCD12, JK13, KNB12].
Modification [GDL16]. Modify [RLS15].
modulo [KCP13]. Moldable [MKKE15].
Monitoring
[LHC+17, LMM08, VDSP09, ZZQ+05].
monopolizable [DJL+12, Most [PLT+15].
Movement [ESR+15, MP [WLZ+13].
MP-Tomasulo [WLZ+13, MPI
[HWX+13, MP13]. MPSoCs [DMR+16].
MRAM [WDX15], MRAM-Based
[WDX15]. MSHRs [CA11]. Multi
[FMY+15, FCD+17, GVT+17, JPS17,
LGP+16, PGB16, SP17, CDPD13, GWS13,
LFC13, PM12, RB13, RPE12, ZGC+12].
Multi- [FMY+15]. Multi-Agent [JPS17].
Multi-Core [SPS17, PM12, ZGC+12].
Multi-CPU [GB16], multi-FPGA
[CDPD13]. multi-GPU [LFC13, RB13].
multi-issue [GWS13]. Multi-Layer
[LGP+16]. multi-server [RPE12].
Multi-Tenant [FCD+17].
Multi-Threaded [GVT+17]. Multibank
[CG15b]. Multiblock [KPM17].
multicharacter [CW13]. Multicore
[ASV+16, BHC+16, CC13, CG15a, CDPN16,
DS16, HYMYZ15, HEMK17, KE15, KK15,
LAS+13, LMA+16, LHY16, PT17, PGB16,
SKH+16, ZDC+16, CG14, CK11, CWCS13,
DEE13, FBWS13, HWX+13, LMJ+13b,
LCL+14, LHZ13, RCG+10a, VE13,
WFKL10, ZCW10]. Multicores
[HK14, PB15, TD016a, MSF+07].
multidimensional [RTG+07]. Multigrain
[AZG17]. Multilevel
[XHJY16, YMM+15, JK13, TKJ13].
multimedia [SV05], multiobjective
[CPP08]. multiplatform [HLC10].
Multiple
[ZSM+16, GB06, HVJ06, RCY+12].
Multiplexing [NDP17]. Multiplication
[YAG+16]. multiprocessor
[BBG13, GSZ10, LT13]. Multiprocessors
[CPS+15, LBM13, A2G13, GPL+05,
LAS+08, LM05, LPZ12, LMM08, SMK10].
Multiprogram [EMR14]. Multisocket
[CG15]. Multi-threaded [AZG17, JYE+16,
LYH16, DWDS13, GMW09, NTG13, PGB13,
RGG+12, RCG+10a, XIC12].
multithreading [EE09, GWM07].

NAND [Doug14]. Nanoscale [GBD+15].
native [RPE12]. Near [HK14, KCA+13,
LP17, MAD17, VFJ+17, KCKG14, RPE12].
Near-Data [VFJ+17]. Near-Memory
[LP17]. Near-Optimal
[KCA+13, KCKG14]. Near-Threshold
[HK14]. need [ZPR+17]. nest [SLM12].
Nested [MGS16, KLMP12]. nests
[NCC13]. Network
[CEP+16, DYC16, TDP15, VFW16,
ZCD16, ZM15, ASK13, LNLK13, LYYB07].
Network-on-Chip [CEP+16, DYC16].
Network-on-Chips [ZM15]. Networks
[AMP+16, CBB+15, GR15, BKA13,
LWH12, PRMH13, SMK10, SEP07].
networks-on-chip [LWH12]. Neural
[GR15, TDP15, Jim09], no [HL07]. NoC
[HWX+13]. NoC-based [HWX+13].
NoCM说起 [ZM15]. NoCs [WYJL10]. Noise
[AA+i6]. Non
[DJL+12, HK14, YKM17, BZS13, WDXJ14].
Non-Java [YKM17]. Non-monopolizable
[DJL+12]. non-SSA [BZS13].
Non-Uniform [HK14]. non-volatile
[WDXJ14]. Nonlinear [SRC16].
nonuniformity [WA08]. Nonvolatile
[SPM17, DXMJ11, DJX13]. Not-taken
[PS12]. novel [CCZ13]. NUCA
[GBD+14, HK14, LIMG12]. NUCA-L1
[HK14]. NVM [WCS+13]. NVM-based
[WCS+13]. NVMs [PM17].

O [DCP+12, RHLA14]. Object
[YLW08, TDG13, VED07, WM10]. objects
[WWY+12]. oblivious [CYXF13].
Obstruction [WDX14]. Occurring
[LTX16]. ODE [HLR+13]. ODE-based
[HLR+13]. Off
[BKM17, AVG12, AGVO05]. Off-Chip
[BKM17]. Offloading
[HKK17, MGA+17]. offset [CZ07].
On-Chip [VFW16, JPS17, BKA13, CK11,
EE11, LNLK13, SMK10, TDG13, XCC+13].
On-the-fly [WWY16, ZJPS17, BKA13,
CK11, LCH+14, CG15a, CEP+16, WAST16].

On-Chip [VFW16, JPS17, BKA13, CK11,
EE11, LNLK13, SMK10, TDG13, XCC+13].
On-the-fly [WWY16, ZJPS17, BKA13,
CK11, LCH+14, CG15a, CEP+16, WAST16].

Optimizing [WWY16, ZJPS17, BKA13,
CK11, LCH+14, CG15a, CEP+16, WAST16].
On-Chip [VFW16, JPS17, BKA13, CK11,
EE11, LNLK13, SMK10, TDG13, XCC+13].
On-the-fly [WWY16, ZJPS17, BKA13,
CK11, LCH+14, CG15a, CEP+16, WAST16].

Overheads [BCM11, SSU+13].
overhead
[JLER12].

P [DDT+17]. Packed [BSL17]. packet
[LWWH12]. packing [NB13, SPGE06].
page [LMJ13a]. Parallel
[ASK+16, ABB+16, DTD16, DDT+17,
DHD+14, HIJW15, MCB+12, MGSH16,
NKH16, RHCH15, RLBBN15, SN17, TMP16,
WLZ+13, WGO15, CDPD13, JY+13,
LM05, NCC13, STLM12, VJC+13, ZBH+13].
Parallelism
[CCM16, CG15b, GVT+17, HWJ+15,
MGA+17, NKH16, SDH+15, ZX16, EE09,
FLG12, PCT12, SLA+07, WFTO14].
Parallelization [BCM11, GGS+17,
KPP+15, DC07, LT13, PKC12, YRHL13].
Parallelling [NKH16]. Parallellagram
[ZGP15]. Parameter [MG15]. parametric
[SLM12]. Pareto [SW17b]. PARSEC
[CCM16]. PARSECSs [CCM+16]. parser
[ZBH+13]. Parsing [PC16, ZBH+13].
PARTANS [LFC13]. Partial [ZX16].
partially [GGFPRG12, JLER12]. Partition
[WWC+16, WJX17, WO13]. partitioned
[RPS06]. Partitioning [CG15b, FLG12,
SBS16, HAJ+12, LCL+14, ZDC+12].
Pass [SPS17]. Passing [ZM15]. PATCH
[RB10]. path [TS05]. paths [PS12].
pattern [CW+12, PRMH13, VW11].
pattern-oriented [CW+12].
pattern-specific [PRMH13]. patternized
[KCP13]. Patterns
[DDT+17, HJJW15, LTX16, HLR+13, JSH09].
P CantorSim [JY+13]. PCM [LFW+16].
penalties [HL07]. penalty [GW08].
adaptive [RB10]. BPM [LCL’14]. C
[NED+13]. Capacity [GBD+15].
channel-level [LCL+14]. Cores [KKW+15].
HW [TS15]. out-of-order [BB04].
Runtime [KPP+15]. Shared [DRHK15].
software [CS10, HCC+14, MMdS06]. SW
[KMG14]. TLC [PM17]. watt [TBC+12].
write [JLCR13]. pending [CA11]. per-task
[LMJ+13b]. Per-thread [DEE13, BTS10].
perceptron [TS05]. Perfect [BRJMJ15].
Performance [AEJE16, BEE15, FDF+14].
HMYZ15, JGSM15, LYH16, LY16, ME17, MAD17, NDP17, RVOA08, TCS16, TKM14, USCM16, WCI+16, XHJY17, ZYCY10, AFD12, ATGN+13, BSWLE13, BTS10, CK11, CRSP09, CDM13, FBWS13, GW08, HP04, HL07, KBR+13, KLMP12, KGK10, LM05, PGB12, RWY13, SRPV04, SD12, WKCS12, XT09, YCCY11, ZVYN05.

Performance-aware [ZYCZ10].

Performance-driven [XT09].

Performance-Energy [HMYZ15].

performance-friendly [CRSP09].

permanent [SSC+13]. Permissions [ERAG+16]. Perspectives [PLT+15].

PGAS [SKAEG16]. Phase [ABP+17, HASA16, JDZ+13, YMM+15, KHW+05, KWTD09, ZDC+12].

Phase-Change [YMM+15].


Placement [MNSC16, MA08, SSK11].

plane [ZGC+12]. Platform [ZLZG16].

PLDS [FLG12]. Point [ASS17, BWG+12, CS13]. pointer [SV05, YLTL04]. pointer-intensive [YLTL04]. points [Nas13]. points-to [Nas13].


Polyhedral [PKC12, SRC16, VJC+13]. Polyhedron [GGS+17]. polymorphic [PM12].

polymorphous [SNL+04]. polytopes [SLM12]. Port [WDX14, GKP14].


Power [AEJE16, CAMJ15, DTD16, DD16, FCD+17, GaSA+16, GBD+15, HYAR+15, HYYAM16, HAC13, JGSM15, KMG14, LM05, LAS+13, LWF+16, WYCC11, AVG12, BB04, CCZ13, HP04, HL07, LYYB07, MP13, MSK05, SW13, SEP07, WYJL10, XL07, YCCY11].

Power-Aware [DTD16, SEP07, WYJL10].

Power-Efficient [HAC13].


Prefetch-Fraction [SSS17]. Prefetched [SYX+15].

Prefetch [LYH16, PB15, SYX+15, LJM12, SBC05].

Prefetcher-Caused [SYX+15].

Prefetchers [LB05]. Prefetching [LK12, SPS17, AGI+12, CA11, GB06, SBC05, WFKL10, YLTL04]. pressure [SLP08, SS013, YZ08]. Preventing [WDX14]. prevention [TB06]. Priority [ASV+16, XHJY16].


Problem [ABP+17, DBH16]. Problems [VFW16]. Process [LTX16, KWCL09].

Processing [CC13, HNXK17, MYG15, MYKG16, PBY+17].

Processing-In-Memory [HNNK17, MYKG16, MYG15]. Processor [AEJE16, BEE15, HMYZ15, LP17, CS13, GW08, LGZ07, LYYB07, SJA12, SHC13, SSPL+13, WFKL10]. Processors [ASV+16, CAMJ15, DBH16, KS16, KK15, SH1D15, VJF+17, YXXW12, CRSP09, CCD12, CSVM04, DEE13, EE09, EE12, FBWS13, GMW09, GWS13, GKP14, HWX+13, KLMP12, LMC13, P1H2,
Simulations [HEMK17]. Simulator [NRQ16b]. Simultaneous
[LGP+16, EE09, RCG+10a].

Simultaneously [LAS+13]. Single
[RTG+07, ZYW17, CG14, GB06, JK13, VE13, WK09]. Single-dimension
[RTG+07]. single-ISA [CG14, VE13].
single-referent [WK09]. size [MBY13].
Skeleton [NC15]. Skeleton-Based [NC15].
Skylake [HYYAM16]. Skylake-Based
[HYYAM16]. SLOOP [ASP17]. Slowdown
[XHJY17]. SM [ZJJ+15]. smart [AGV05].
SMT [EE12, LMCV13, PLT+15, SLP08, VS11, WA08]. Snapshot [LDC15].
Snippets [SWU+15]. Snug [HL07]. SoC
[CWW+16]. SoCs [DFD+14]. Soft
[FWJ+16, LKL+13]. Software
[DMR+16, GSC17, LCL+14, MG15, RCV+05, SBS16, SEP07, VCJ+17, YWXW12, HWI+11, RVA08, RCG+10b, RTG+07, TGAG+12, YRHBL13].
Software-based [LCL+14]. Software-controlled
[RCV+05]. Software-Defined [DMR+16, TGA+12].
Software-directed [SEP07].
software-guided [RCG+10b].
Software-Managed [YWXW12]. Some
[KAC15, Mic16]. Source [BGG+15]. Space
[BC13, CAGS17, CP08, IMS+08, Nas13, PJ13, VHKP11]. Space-Efficient
[BC13, Nas13]. spaces [BE13]. Sparse
[YAG+16, AR13]. Spatiotemporal
[LAAMJ15]. SPCM [HASA16]. special
[CDM13, SHC13, SD12]. Specialization
[YAG+16]. Specialized
[GaS+16, GAs+13]. species [NCC13].
specific [PRMH13]. Spectral
[SBC05]. Speculation
[MGI15, GPL+05, SHL14].
Speculative [VS08, DC07, GPL+05, LCH+04, LHY+06, LZ12, LHZ13, NTG13, VS11, XIC12, XC06, YRHBL13, ZSCM08]. speed [GB06, RPE12]. spill [XT09].
Spilling [CBD15]. split [RFD13, TBS06].
splitting [WWY+12]. SPM [KE15].
SpMV [ZLYZ16]. SpMxV [KGK10].
sporadic [ZGC+12]. spurious [BCVT13].
SR [DCP+12]. SR-IOV [DCP+12]. SRAM
[GBD+15]. SSA [AvR07, BZS13, CBD15].
SSA-based [AvR07]. SSD
[HWJ+15, KHS+14]. Stabilization
[SHD15]. stack [CH06, VS08, SCEG08].
Stacked
[CWMC16, LGP+16, NRQ16a, NRQ16b].
Stacking [APBR16, ZSLX13]. state
[GPL+05]. Static
[AFD12, BHC+16, SHY14, JSM+04].
statically [NED+13]. Stealing [CG15a].
Stencil [CNS+16b, LFC13]. Storage
[LTX16]. Store [KKAR16, LHWB12, SL09].
strategies [WYCC11]. strategy
[YCCY11, ZHD+04]. Stream
[XCC+13, YWXW12, MG13, YZL+10].
Streaming
[CNS+16b, MKKE15, PC13, WO13].
Streaming-Based [CNS+16b]. Strength
[GAM12]. Strength-Based [GAM12].
string [CW13, PLL10, TBS06].
string-matching [CW13, PLL10, TBS06].
Strings [SPM17]. Striped [HASA16].
structure [WWY+12]. structures [FLG12].
STT [LZL+13, RTK15, WDX14].
STT-FLASH [LZL+13, WDX14]. studies
[LB10]. Study
[CPS+15, SKAE16, SSRS15, MSF+07].
Studying [CBD15]. Sub [ABP+17].
Sub-Sequences [ABP+17]. subranked
[CCZ13]. Subsetting [AJK+12]. subwords
[SJV08]. Suite [CCM+16, DDT+17].
Superscalar [BEE15, MMS15, SRP04].
Superscalars [HYAR+15]. Supervised
[ASP17]. supplied [YZL+10]. Supply
[HAM17]. Support
[ME15, SKAE16, CWC06, DMG13, LMJ+13b, SLA+07, ZSCM08, ZZQ+05].
supporting [SHC13]. SW [TS15]. SW/
HW [TS15]. switch
[ASK13, BRSJG12, CPB+07, GWM07, LS10].
switch-to-switch [BRSJG12].


Tranquilizer update [SKAEG16].

Unsynchronized Trees [CDPD13, PRMH13].

Two-Level [BSSS14, HWJ15, KRHK16, SCEG08, JC05, PI12, YPT12, ZY10].

Unreliable [CAGS17, MGSH16].

Unsynchronized [DSR15].

Update-conscious [LZY09].

User [SW17a].

User-Assisted [KKAR16]. uses [GB06].

Using [AZG17, AMP16, ABP17, BSL17, CCL13, ESR15, FDF14, GÅSÅ16, GR15, HJJW15, JGSM15, RLBBN15, SYX15, SPS17, SPS12, SSH13, SSRS15, WO13, ASK13, BZS13, CAMJ15, DDU12, DWDS13, DXMJ11, DDB13, EE11, HVJ06, JSH09, JSM14, KKM13, MG13, RCV12, SRLM14, SWH09, SSSR13, YCCY11, ZHD13, CST16]. Utility [PB15].

Utility-Driven [PB15]. Utilization [CAGS17, LWW16, YXSW12, ZCD16, XCC13]. Utilizing [TBC12, KCP13].

UVMs [KRHK16].

Value [EPS17, GAM12, YPT16, CST16].

variability [LYYB07]. Variable [MY16, NB13].

variation [CK11, PGB12, XL07].

Variation [DK16, PGB12, XL07].

Virtualization [HHC16, SWF16, WHH16, DCP12].

virtualized [WWWL13]. Virtually [RF13].

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