Title word cross-reference


2 [BSL17]. 3 [CAY+18, CWMC16, LGP+16, NRQ16b, SZJK18, ZSLX13]. 3 [CCZ13, DDT+17]. Z [SLM12].

-D [CAY+18]. -polytopes [SLM12].

/channel [LCL14].

000-core [DAKK19].

2014 [Aca16, Ano15].

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

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

A Complete Bibliography of ACM Transactions on Architecture and Code Optimization

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

11 March 2019
Version 1.66

Asymmetric

[ZCQ+19, CG14, CCPG13, PCT12, SW13].

Asymmetry [LW+19]. Attacks

[BCHC19, ERAG+16, PHBC17, ZHS+19, BVIB12, CCD12, DJL+12]. AUKE

[DSK19]. Auto [CG15a, WG17].

Auto-Tuning [CG15a, WG17]. automata

[VW11]. automatable [AFD07].

Automated [ASS17, BSSS14, BCHC19].

Automatic

[AMG16, DSK19, JLER12, LBO14, LT13, MGA+17, NC15, RB13, WLZ+13, WGO15, WM10, SPS12, WKCS12]. Automotive

[FWJ+16]. Autonomously [DGI+14].

Autotuning [AMP+16, SYE19, YAG+16, KBR+13, LFC13]. AVPP [OAM19]. Aware

[ACA+19, DGI+14, CG15a, DTD16, DHD+14, GVT+17, KFEG18, LYH16, LRBG15, PVA+17, PG17, RSK+18, SEF+19, SLJ+18, SKH+16, SZK18, SKPD19, USCM16, WLZ+13, WJX17, ZCQ+19, ZYW17, CG14, CWCS13, EE09, GGFPGRG12, NB13, SSS+04, SEP07, WYJL10, WSC+13, WDXJ14, ZYCZ10, ZDC+12, ZK06].

Awareness [HLSW17, LKL+13].

Bahurupi [PM12]. Balancing


Bandwidth-Asymmetric [ZCQ+19]. bank

[LCL+14]. bank- [LCL+14].

bank/channel-level [LCL+14]. banked

[AG+12]. Banks [ZCF18]. Based

[AJE+16, CNS+16b, CG15a, CG15b, DSR15, DAD16, DAP+15, FDF+14, GAM12, HYYAM16, JPS17, KS16, LCS+19, LTX16, LY16, MNC+16, MTK18, NC15, SBS16, WGO15, WDX15, WCI+16, WWC+16, WMG19, XHJ16, XFS+19, ZI19, ZLC+15, ZSM+16, AvR07, BCT13, CPP+13, CW13, GK13, HLR+13, HAJ+12, HWM14, HWX+13, JYJ+13, KBR+13, LBO14, LTG12, LCL+14, LHWB12, RLS13, SS04, SKKB18, TKJ13, WSC+13, WFO14, ZHD+04, ZGC+12, ZFT+18].

Bayesian

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

[AFD07, LS10]. Benchmark [ABB+16, AYL+18, CCM+16, DDT+17, DS16, BE13].

Benchmarking [DAP+15]. benchmarks

[JEBJ08]. Benefits [LWWH12]. Benzene

[KAC+18]. BestSF [BJS18]. better

[TBC+12]. Between [EPS17]. Beyond

[FER+13]. Bias [Lee16]. Big

[ZYW18, ZLC+15]. Big-Memory

[ZLC+15]. Bimodal [TD16]. Binary

[DGGL16, GDL16, HWL+19, LHW+19, SHY14, CDM13, GHS12, HS06, HLC10, LWH11, PKC12]. bipartite [BZS13]. Bit

[TBS06, BWLR06, VED07]. Bit-split

[TBS06]. bitwidth [NB13].

bitwidth-aware [NB13]. Blaze [PWP19].

Blaze-Tasks [PWP19]. Block

[GFD+14, KTAE16, LLRC17, LTX16, MPPS18, TZK18, ZK06]. Block-aware

[ZK06]. Blocks [HWJ+15, SYX+15].

Boltzmann [PVA15]. Bones [NC15].

Boosting [ASV+16, KH18, RLS13, BTS10].

both [BSWLE13, HP04, MP13].

bottlenecks [MM06]. bound [MBKM12].

bounded [HS06]. Bounding [XMM04].

Bounds [ESR+15, BWLR06]. BPM

[LCL+14]. BPM/BPM [LCL+14]. Branch

[EPAG16, LVL18, Mic18, C207, HWH+11, Jim09, JSM+04, LB05, MG12, TS05].

branch-predictor [JSM+04].

branch-target [LB05]. Branches

[DGGL16]. Breakdown [HYA16].

bridging [HCC+14]. Bringing [DDT+17].

buddy [KWCL09, ZJ+15]. Budget

[LWF+16]. buffer [LB05, RB13].

Buffering [YMM+15, GPL+05]. Bugs
[AAI+16]. build [SSH+13]. Building
[SRK16, WDX15]. Buri [ZLC+15].

C [CWW+16, NC15, NED+13].
C-to-CUDA [NC15]. C/C [NED+13].
C1C [LZL+13]. CACF [ZFT+18]. Cache
[CAGS17, DAD16, GFD+14, HK14, 
HMZY15, KR19, KAC+18, KAC15, LRLC17, 
Mic16, SSW16, SBS16, SKH+16, SLJ+19, 
VPT516, WJXC17, YDL+17, ZWY17, 
ZWL+19, APG13, AGV05, AGI+12, 
AFD07, BSWLE13, CA11, CW506, DJL+12, 
FTLG11, GGFPRG12, GSZ10, HAJ+12, 
KS11, KWC09, LCC11, LZL+13, MMd06, 
RFD13, SS04, SBC05, SSH+13, TKJ13, 
VSP+12, WSC+13, WDX14, ZHD+04, 
ZVYN05, Zha08, NTG13]. cache-coherence
[MMd06]. cache-coherent [APG13].

Caches [CAGS17, CPS+15, GBD+15, 
JPS17, SBS16, WDX14, AIVL13, DJL+12, 
HS06, H07, KS11, KWC09, LMG12, 
MSK05, SSK11, SSC+13, VSP+12, WDX14, 
WLZ+10, WM11, ZDC+12]. Caching
[DNT16, SYX+15, DZC+13, JOA+09a, 
WFKL10]. CACTI [BKM+17]. Caffe
[RSK+18]. CAFFEINE [PB15]. CAIRO
[HKKK17]. Call [Lee16, MG12]. Capability
[AHA+19, DGI+14]. Capacity
[GBD+15, SSK11, WM11]. CART
[CDDP13, CDDP13]. Case
[KH18, MMS15, SAAEG16, SSRS15, AFD12, 
RPS06, W09, LB10]. CATCH [KS11].
Caused [SYX+15]. CAVA [CT0+06]. CC
[CCZ13]. Cell [YMM+15, STLM12]. cells
[JSN+04]. Center [FXC+15]. centers
[AVG12]. Centric [JLJ+18a]. CERE
[DP+15]. CG [MAD17]. CG-OoO
[MAD17]. CGRA [HAC13]. chains
[SSH+13]. Chameleon [WFKL10]. Change
[HAS16, JDZ+13, YMM+15, ZDC+12]. Channel
[BCHC19, BVIB12, DJL+12]. channel-level
[LCL+14]. Channels
[DJC16, EPAG16]. chaotic [LTG12].

Characterization
[CVB15, DS12, FER+13, VW11].
Characterizing [BCM11]. Checking
[KK15, BWLR06, MG13]. Checkpoint
[GW09, ARS04, CST+06].
checkpoint-assisted [CST+06].

Checkpointing [WZG+19, DXMJ11]. Chip
[BKM+17, CPS+15, CEP+16, DJC16, 
EPS18, LBM13, VFW16, APG13, BKA13, 
CK11, EE11, GSZ10, JPS17, LWW12, 
LT13, LNLK13, LAS+08, LM05, LPZ12, 
LMMM08, SMK10, TDG13, XCC+13].
Chips [LCS+19, ZM15]. choices [VE13].
Circuit [ZFT+18, DJX13].
icircuit-architecture [DJX13]. Circuits
[KKW+15]. Circuits/Cores [KKW+15].
Citadel [NRQ16a]. Class
[AAI+16, PAVB15]. Classification
[DRHK15, MCB+12, SN1+19, CDPD13, 
LMJ13a, NCC13]. client [KWM+08]. Clock
[CCL+13]. Cluster
[SKKB18, YCA18, TC07]. Clustered
[MMS15, AGK04, SW13]. Clustering
[MNC+16, WMG09, DS12, JLR13, SB09].
Clustering-Based [MNC+16, WMG09].
Clusters [KHS+14, MMS15]. CMP
[CPB+07, LMVC13, SSK11, SLJ+18, WM11].
CMPs [LMJ13a, LY16]. Co [AHA+19, 
JPS17, KHN+18, ZFT+18, DJX13, YLW08].
Co-location [KHN+18, YLW08].
Co-optimization [JPS17, ZFT+18, DJX13].
Co-Processor [AHA+19], coalescing
[SSU+13]. coalescing-lowering [SSU+13].
Coarse [LMM08, MAD17, TD16, KCP13].
Coarse-Grain [LM08, MAD17].
Coarse-Grained [TD16, KCP13].
Coarsening [SF18]. COBAYN [AMP+16].
CODA [KHN+18]. Code
[CZ07, DSK19, KL19, PAVB15, PKPM19, 
SYE19, AVRF07, CDM13, GNB08, HL+13, 
HS06, JLER12, KBR+13, LKL+13, LB05, 
LZYZ09, LHY+06, PK12, RCG+10b, 
VJC+13, ZK05, ZWHM05].
code-positioning [ZWHM05]. Codelet
[DAP+15]. Codes [CWMC16, TZK18, AFD07, AFD12].
Codesigned [KCA+13]. Coding [KMG14].
Coherence [DRHK15, KAC15, MMD06, SSH+13, VHKP11].
coherent [APG13].
Collaborative [FT10]. Collapse [CWCS13].
Collection [ASV+16]. Collective [FT10].
Collector [WK09]. colocated [DWPS13].
Coloring [YXWXM, LFX09].
Combinatorial [SKP919, SS13].
Combined [BWG+12]. Combining [VSP+12].
Commodity [WDX15].
Common [WK09]. Communication [DSR15, HAM17, HWX+13, SSPL+13, TC07].
Communications [ACGK04].
Compact [HEM17, SCH13]. compaction [WK09].
Comparability [YXWXM].
Comparative [LAS+08]. Comparators [YET+14].
Comparison [FBWS13].
CompEx [PM17]. Compilation [DMR+16, LRGB15, PKM19, SYE19, SN17, CI13, J13, KHL+13, LBO14, LZY09, PC13].
Compile [KTAE16]. Compile-Time [KTAE16]. compiled [NED+13]. Compiler [AMP+16, ABP+17, CCD12, DMG13, EPS17, GGK18, HNKK17, HYAR+15, KPP+15, LFX09, MNC+16, MG12, NHH16, NC15, PHBC17, ZSCM08, ZX16, CYXF13, DC07, HWYM14, HLC10, JOA+09a, JOA+09b, KBR+13, KWM+08, LEL+13, LCH+04, TR13, YXK+12, ZHT+04].
Compiler-Assisted [HNKK17, PHBC17].
compiler-based [ZHT+04].
Compiler-Directed [HYAR+15, LFX09].
compiler-guided [ZHT+04].
Compiler-Oriented [GGK18].
Compiler/Runtime [KPP+15]. compilers [CDM13, HEL+09, SD12].
Complex [SHD15, SLA+07]. Complexities [GHH15, ZBH+13].
Complexity [GGA, KAC15, CPP08, DJL+12, RPS06, SRLPV04]. complexity-effective [RPS06].
component [LGAZ07]. Comprehensive
Compressive [SPP+15]. Compressed [SSW16, DZC+13].
Compression [BC13, KPM17, LMSE18, PM17, SW17a, KG10].
Compression-Expansion [PM17].
Compression/Decompression [LMSE18].
Comprehensive [WI+16]. Computation [CWW+16, HAM17, KHN+18, DDU12, LFC13].
Computationally [DSS+18].
Computations [PAAV15, CYXF13].
Compute [DAK19].
Computing [DSH+18, KHS+14, LCS+19, ME17, PWP19, SW17b, TCS16, ZLYW18, ZLC+15, AVG12, LM05].
conceived [APG13].
Concurrency [AI1+16, GMGZP14, ME17].
Concurrent [PCM16].
Conditional [Mic18].
Conditionals [JSL13].
Configurable [NRQ1+6b, LVJ06, LEL+13].
conflicts [TG+12].
connected [BRJG12].
conscious [LZY09].
Conserving [LYYB07].
Considerations [HMYZ15, MTK18, LM05].
considering [AVG12, HP04].
Consistency [NZ15].
constrained [MSF+07, NMKS06, ZK05].
Constraints [AEJE16, KCA+13, WYJL10].
Consumption [FCD+17, GFD+14, LTG12, LLYYB07, VED07, ZHT+04].
Contech [RHC15].
content [KS11].
contention [CWCS13].
Context [EPS17, DMG13, LS10].
continual [JA14].
Continuous [TR13].
Control [AP17, BRJM15, HAC13, HHC+16, SMK15, SKH+16, CCW06, FSYA09, IWP+04, MBKM12, TG07].
Control-Flow [SMKH15].
Controlled [ASS17, RCY+05].
controller [AGI12].
Conventional [NRQ1+6b].
conversion [CS13].
Converting [HLC10].
convolution [FBWS13].
Convolutional [GG18, TDP15, ZFF+18].
cooling [AVG12].
cooling-computing [AVG12].
Cooperation [TZK18].
Cooperative [DNT16, JPS17, JDZ+13, LBM13, SHLM14].
Coordinated [ZDC+16].
coprocessor
[LDG+13] Corasick [CW13, PLL10]. Core [CHE+14, CC18, FMY+15, JLJ+18a, LBM13, PVS+17, SPS17, SPH+17, ZLYZ16, DAKK19, LNLK13, OGK+12, PM12, ZGC+12]. Cores [CAY+18, DT17, HYYAM16, JPS17, KKW+15, MMS15, TDO16b, ZCF18, GB06, NTG13, PCT12, SW13, WYLJ10, WFKL10]. CoreUnfolding [APBR16]. Corner [DDT+17]. Correcting [SPM17, TZK18].


d [BSL17, CAY+18, CWM16, LGP+16, NRQ16b, SJZK18, ZSLX13]. d-Packed [BSL17]. D-Stacked [LGG16, NRQ16b]. DAPSCO [GGFPRG12]. dark [PCT12]. DarkCache [ZCF18]. DASH [USCM16]. Data [AMG16, CDP16, DAKK19, EPS18, ESR+15, FXC+15, GAM12, HAM17, HLSW17, JLJ+18a, KPM17, KHN+18, LWL18, ME15, ME17, MTK18, MNSC16, MGA+17, MSGH16, NKh16, PD17, RMA14, RTK15, SKH+16, TDP15, VFJ+17, WGO15, WZG+19, YMM+15, ZLYW18, AVG12, BSWLE13, CS10, CA11, CDPD13, CWC06, FER+13, FLG12, HLR+13, H07, LWH11, LJM12, PC13, RB13, RDF13, STL12, TG07]. Data-Driven [ME15, ME17].

data-flow [PC13]. Data-Parallel [MGSH16, NKh16]. Data-Race-Free [MNSC16]. Data-Rate [EPS18].


DawnCC [MGA+17]. DDR4 [TKM14]. DDRNoC [EPS18]. Dead [MPPS18].


Decoding [CAMJ15]. Decompression [LMSE18]. Deconstructing [CFH+12].

Decoupled [VPTS19, BZS13, DHC+13, RVOA08]. Decoupling [HAMP17]. Deep [ASK+16, JLJ+18a, MWJ19, RSK+18].


Dependence [BRJM15, DHD+14, JK17, SL09, TG07, VTN13]. Dependence-Aware [DHD+14]. dependences [BCVT13].


Design [CPS+15, HJW15, KWM+08, RTK15, SJZK18, SPH+17, SL09, VHKP11, WLZ+10, BE13, CPP08, IMS+08, LB10, LCC11, LHZ13, VE13, ZK05]. Designing [BKA13, BSWLE13, MSGH16]. Details
[JLER12, VED07]. Embedded
[GTG+16, GKCE17, KE15, KTA16, 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]. Enabling [BGG+15, CC18, HNKK17, KHN+18, SKAE16].
Encoding [TDP15, ZX19]. End [ZJJ+15].
Endurance [WDXJ14]. Endurance-aware
[WDXJ14]. Energy [AJK+12, AYC16, ASP17, CPS+15, DH16, GKCE17, GFD+14, HMYZ15, JOA+09a, KAC+18, LMSE18, LSC+15, LMA+16, MCB+12, MTK18, MKKE15, MAD17, MPW+17, OTR+18, PM17, RTK15, SW17b, SN17, SB09, TCS16, TTS19, ZJJ+15, ZFT+18, ZCF18, AVG12, BSWE13, CWS06, CWCS13, FBWS13, GWS13, GKP14, LTG12, LGA207, LZY209, LMM+13b, LH13, SPGE06, SHC13, TDG13, ZHD+04, ZVYN05, ZGC+12, ZSLX12].
Energy- [SB09]. Energy-Efficient [AYC16, CPS+15, KAC+18, MKKE15, MAD17, SN17, TTS19, JOA+09a, CWCS13, LZY209, LH13, SPGE06, SHC13, TDG13, ZGD+12].
Energy-Optimal [SW17b].
Energy-Performance [MTK18, ZCF18].
Energy-Proportional [DH16].
Enforcement [AHA+19, GWM07]. Engine
[LP17, PB15, RMA14, WLZ+13, CW13].
Engines [MG15, TBS06]. Enhance
[GAM12]. Enhanced [TKM14].
enumeration [SWH09]. Environment
[KMG14]. environments
[RCG+12, WWWL13]. EOLE [EPS17]. Era
[GBD+15, LNLK13, PCT12]. Error
[DDG+14, CWMC16, DSH+18, LSC+15, SPM17, TZK18, YE1+14, CCZ13, LKL+13].
Error-Correcting [SPM17].
Error-Tolerant [DSH+18]. Errors
[FWJ+16, ZWS+16]. essence [JEBJ08].
Estimation [WAST16, XHJY17, LTG12].
Evaluate [TDO16a]. Evaluating [CCM+16, CWS06, HWH+11, SSK11, SW17a].
Evaluation
[BC13, CHE+14, FWJ+16, AvRF07, KWT09, LCC11, LSS+08, RGG+12, ZK05].
Evaluator [JSL13]. Evaluator-executor
[JSL13]. event [GW07]. Evolving
[VGX16]. Examining [ZWS+16]. exascale
[DXMJ11]. ExaStencils [KL19]. exception
[HW14]. Exceptionization [YKL17].
Exclusivity [YDL+17]. Execution
[ASP17, CC18, DT17, GMGZP14, HAC13, HEM17, KS16, ME15, MAD17, NZ15, PVA+17, PS15, SEF+19, SYE19, VSD16, WLZ+13, X19, ZCCD16, ZLJ18, GB06, LZ12, LH13, SJA12, VTN13, XIC12, ZG05].
Executions [NDP17]. executor [JSL13].
exhaustive [KWT09]. Existing [YE1+14].
Expanding [YBSY19]. Expansion
[PM17, ZLC+15]. explicit [STLM12].
Exploit [AAI+16]. Exploiting
[AVL13, ASK+16, HWJ+15, KGB10, LHW+19, MA08, NKH16, YFE+14, YZ08, YZL+10, X16, YLYB07, PCT12, RLS13, SNL+04, JOA+09b]. Exploration
[BCM+17, KL19, MNC+16, CPP08, IMS+08, KWT09, VHP11, WLZ+10].
Explorations [BGG+15]. Exploring
[CK11, JK13, JOA+09b, MBK12, MSK05, SKPD19, BE13, DJX13]. Exposing
[CSK19]. Express [DJC16]. Expression
[BC13]. expressions [JS09].
Expressiveness [PC13]. Extendable
[CSX+12]. extended [JYV08]. Extending
[DB16, DSH+18, JED19, VCJ+17].
extension [DCP+12]. Extensions
[KHS+14]. Extractor [DAP+15]. Extreme
[CAY+18, JLL+18]. Extreme-Scale
[CAY+18, JLL+18a].
Factorizations [AP17]. Facts [Mic16].
Failures [NRQ16a]. Fair [LMCV13].
Fairness [GW07, LY16]. Falcon
[CNS16a]. false [BCVT13]. Fast
[BC13, CCG13, KCP13, KHW+05].
MKKE15, NRQ16b, NTG13, PRMH13, SZJK18, LMJ13a, SPGE06, TDG13.

**Fast-Drift-Aware** [SZJK18]. **Faster** [PCM16], **fat** [BRSJG12, PRMH13].

**fat-trees** [BRSJG12], **Fault** [CEP16, PHBC17, RHLA14, RCV+05].

**faults** [BS07, 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** [MN16], **fetch** [EE09, GWS13, JLR12, SRLPV04].

**FFT** [GS12]. **File** [TS15, VZS+18, YBS19, GKP14, SJV08].

**Files** [YWXW12]. **filter** [BSWLE13].

**Filtering** [ZCC16]. **Financial** [ABB+16].

**Finding** [PJ13]. **Fine** [AZG17, BSS14, EE11, HYAM16, MPW+17, TKM14, WM11, YEI+14, LT13].

**Fine-Grain** [AZG17, HYAM16].

**Fine-Grained** [BSS14, MPW+17, YEI+14, EE11, WM11, LT13]. **Finite** [LVR+15, WV11].

**FinPar** [ABB+16]. **first** [OAM19]. **fixed** [CS13]. **fixed-point** [CS13].

**FLARES** [DG1+14]. **Flash** [DG1+14, SZJK18, ZWL+19].

**Flexible** [CC13, OAB12, SGC+13, ZQ+05].

**FlexSig** [OAB12]. **flight** [SSH+13].

**Floating** [ASS17, BWG+12, CS13]. **floating-point** [CS13].

**Floating-Point** [ASS17, BWG+12].

**Flow** [BRJM15, CWW+16, DMR+16, GAM12, HAC13, LY16, MMT+12, SMK15, FSYA09, JA14, KHL+13, MBK12, NAS13, PC13, TG07]. **Flow-Based** [LY16].

**Flow-sensitive** [NAS13].

**FluidCheck** [KS16]. **fly** [VHKP11, WYW+12].

**Focal** [DSK19].

**Focal-Plane** [DSK19]. **Format** [BJWS18].

**Formation** [HWL+19, KTA16, FSYA09].

**Formulating** [MAN+08]. **Four** [TDO16a].

**FPGA** [CS13, CWW+16, CDPD13, MTK18].

**FPGA-Based** [MTK18].

**FPGA-processor** [CS13]. **FPGAs** [FBWS13, GNB08, PJ12].

**fractal** [JJ+13].

**fractal-based** [JJ+13]. **Fraction** [SPS17].

**frame** [GK13]. **frame-based** [GK13].

**Framework** [ASS17, AMP+16, GTT+16, GÁSÁ+16, KPP+15, LAS+13, LSC+15, WPW19, SYE19, WMGS19, ZLY16, ZFT+18, ZLY+18, AS13, BCVN10, CS10, DJX13, HEL+09, KKM+13, LCC11, LCH+04, LFC13, LHWB12, PGB13, YX+12].

**Free** [MN16, YPT+16, BRSJG12, GS12].

**Frequency** [HH+16]. **friendly** [CRS09].

**Front** [ZJJ+15]. **Front-End** [ZJJ+15].

**FTL** [HWJ+15]. **Full** [HH+16, MMT+12, SW16, TKKM15].

**Full-System** [SW16]. **Fully** [HWJ+15, BRSJG12]. **Function** [SKP09].

**Functional** [GÁSÁ+16, GÁSÁ+13, YCCY11].

**Functions** [SSS15, HWX+13, LDG+13].

**fundamental** [VE13]. **Fuse** [NED+17].

**Fused** [VPTS19]. **Fusing** [VPTS19, WM10].

**Future** [GB06, MMS15, DXMJ11, LMJ13a].

**gap** [HCC+14]. **Garbage** [ASV+16].

**Gating** [KMG14, ZCF18, WYCC11, YCCY11].

**GEMM** [SLJ+19]. **General** [CAM15, SW17a, LHY+06].

**General-Purpose** [CAM15]. **Generalized** [FDF+14, GGG18, SDH+15].

**Generalizing** [Jim09]. **generate** [KBR+13].

**Generating** [AZG17, RHC15]. **Generation** [DSK19, HMK17, GSP08, HLR+13, JLR12, BLO14, LHY+06, VJC+13].

**Generator** [KL19, PAVB15]. **Generic** [WMGS19].

**GenMatcher** [WMGS19].

**Getting** [MWJ19]. **Global** [CCL+13, MPPS18, BZS13].

**good** [PJ13].

**Governors** [SW17a].

**GP** [LRB15, MYG15, MYKG16].

**GP-GPUs** [LRB15].

**GP-SIMD** [MYKG16].

**GPGPU**
[BGG+15, HLSW17, MBKM12, YXK+12].
GPgpu’s [ZJJ+15].
GPUs [BJJSW18, DS16, HLR+13, JED19, JGSM15, KHN+18, LHC+17, LMZ17, LWL18, LAMJ15, LFC13, RB13, SEF+19, SNN+19, TBC+12, VC16, VZS+18, WGO15, ZSLX13].
GPU-accelerated [JED19].
GPU-Based [WGO15].
GPUs [ASS17, CSHK19, DS16, DNT16, FBWS13, JAK17, KRR19, LRBG15, NC15, SLM14, WYCC11, YBSY19, ZSM+16].
gradient [HAP+12].
gradient-based [AJJ12].
Gradients [FWJ+16].
Grain [AZG17, HYHAM16, LSMSE18, MAD17].
Grained [BSSS14, MPW+17, TD16, YEI+14, EE11, KCP+13, LT13, WM11].
Granularity [DRHK15, NRQ+16a, TMK14].
Graph [CNS16a, KKKAR16, YWWX12, ZLJ18, DS12, LFQ+09].
Graphs [ASS17, FSYA09, ZSLX13].
Graphed [CRHD15, LEC16, RHC15, VXG16, BZS13, DD16, MG13].
Guarded [PS15].
Guided [GTG+16, HWH+19, CS13, LSL+13, RCG+10b, SSU+13].
Hadoop [KHS+14].
Halide [VCJ+17].
Halting [ZVYN05].
Hamming [CVB15].
Handling [HWM14, HWH+11, LWH11].
HAP [WJXC17].
hard [BS07].
Hardening [PHBHC17].
Hardware [BGG+15, CDPN16, DHK18, DD16, JDZ+13, KAC15, LMJ+13b, NDP17, PVA+17, RHLA14, SKAEQ16, SWF16, TGAG+12, USCM16, WCI+16, ZHS+19, ZLC+15, ZSM+16, ATGN+13, CS10, CI13, FSQA09, GNB08, HCC+14, MMdSO6, OAB12, RLS13, RPE12, YJT13, ZSM08].
Hardware-Accelerated [SWF+16].
Hardware-Assisted [CDPN16, JDZ+13].
Hardware-Based [ZLC+15, ZSM+16].
hardware/software [CS10, HCC+14, MMdS06].
Hash [BS16].
Hash-Based [BS16].
HAshCache [PG17].
HC [CDPN13].
HC-CART [CDPN13].
header [VED07].
Healthy [HALJ18b].
heap [WWY+12].
Heterogeneity [PG17, SB09].
Heterogeneity-Aware [PG17].
Heterogeneous [AEJ16, ASV+16, ASP17, CNS16a, CWW+16, DMR+16, FDF+14, GTT+16, GHH15, HAM17, HMYZ15, KRRH16, LP17, PG17, PBY+17, TDD06a, TD16b, TTS19, USC16, WGO15, ZFL18, BBG13, KBNK12, LHZ13, PM12, TDG13, VE13, WFK10].
Heuristics [MKKE15, TR13].
hide [CST+06].
Hiding [GW08].
Hierarchical [ASK+16, CDPN16, ZGP+15, SW13].
Hierarchies [SKH+16, DJX13].
Hierarchy [AYC16, ZDC+16, ZSM+16].
High [CAY+18, CHE+14, CAMJ15, GGK18, JED19, ME17, SWU+15, SLJ+19, TCS16, TMK14, USC16, ASK13, BCVN10, CK11, CDM13, GW08, KBR+13, OGG+12, SRLPV04, SD12, ZVYN05].
High-Efficiency [CAMJ15].
High-Level [CHE+14, BCVN10].
High-Order [CAY+18].
High-Performance [GGK18, SLJ+19, TMK14, USC16, JED19, CK11, CDM13, GW08, KBR+13, SRLPV04, SD12, ZVYN05].
high-radix [ASK13].
high-throughput [OGG+12].
Highly [TPO16].
Histogram [FWJ+16].
Hits [CA11].
HMMT [HCC+14].
Homogeneous [CC18].
HotSpot [TM+16].
HPAr [ZHBJ+13].
HPC [ACA+19, MP13, PLT+15, SLJ+18, ZPR+17].
HPCG [AYL+18].
HRF [GHH15].
HRF-Relaxed [GHH15].
HTML [ZHBJ+13].
HTML5 [KHK16].
HW [KMG14, LK+14, TS15].
HW/SW [KMG14].
Hybrid [AR13, CA11, DXXM11, HWJ+15, JYE+16, KAC+18, WJJC17, CS13, DZJ+13, HCC+14, MMdS06, RBM10, WLZ+10].
Hybrid-Memory-Aware [WJJC17].
I-Cache [ZHY+17].
I/O [DNC+12, RHLA14].
IATAC [AGVO05].
Identification [WCI+16]. Idiom [KKM+13]. Idle [SEF+19, WFKL10].
Kernel [DSK19, LP17, SNN+19]. kilo [CSVMO4]. kilo-instruction [CSVMO4].
L1 [HK14, LZZL+13]. L2
[AGVO05, CST+06, SLP08, SBC05], L2-miss-driven [SLP08]. Lane [WWC+16].
Language [CNS16a]. Languages
[DHD+14, YKM17, NED+13]. LAPPs
[KFEG18]. Large [NRQ16a, SKH+16, KWCL09, RCV+12, SMK10]. Large-Scale
[SKH+16, RCV+12, SMK10]. Last
[CPS+15, LBM13, WDX14, WJXC17, AGI+12, AIVL13, VSP+12, ZDC+12]. Last-Level
[CPS+15, LBM13, WDX14, WJXC17, AGI+12, AIVL13, VSP+12, ZDC+12].
Latency [HAM17, HK14, KCA+13, PM17, MP13, SW13, WYL10, YTL04].
Latency-Tolerant [HAM17]. Lattice
[CG15b, PAVB15]. Lattice-Based [CG15b].
Lattice-Boltzmann [PAVB15]. Law
[DSH+18]. Layer [ERAG+16, JLL+18a, LGP+16, OTR+18, WAST16].
Layer-Centric [JLL+18a]. Layout
[CYXF13, WG17]. Layout-oblivious
[CYXF13]. Layouts [BSL17]. LD [LHC+17].
LDAC [SKH+16]. leakage [HIL07, MSK05].
Learning [ABP+17, JPS17, JLL+18a, MCB+12, RSK+18, DJB13, LBO14, SPS12, TR13, WO13, WTF014]. Learning-Based
[JPS17]. Legacy [MNSC16]. legalization
[AR13]. Less [ZPR+17]. Level
[BGG+15, CHE+14, CPS+15, HNKK17, HK14, JYE+16, LCS+19, LMZ18, LBM13, MGI15, PLT+15, RLBNN15, SWU+15, WDX14, WJXC17, AGI+12, AIVL13, BCVN10, EE09, GMW09, GPL+05, LCL+14, PCT12, VSP+12, YBSY19, ZDC+12]. Level-1 [HK14]. Leveling
[JDZ+13]. Levels [RJSA18, RCV+12, SLA+07]. Leveraging
[GAM12, LMJ13a, NZ15, SLM14].
Liberalization [MY16]. libraries [BCM11].
Library [FDF+14]. Library-Based
[FDF+14]. Lifetime
[PM17, SPM17, TZK18, XC06]. LIGERO
[APG13]. Light [CBD15, APG13].
Lightweight [DT17, SLJ+18, BWG+12, DMG13, LNLK13]. like [Mic18]. limitation
[DKZ+13]. Limitations [JRKL16]. limited
[CTZ07]. limits
[JOA+09b, MBKM12, MSK05]. line
[WDXJ14]. Linear [AEJ+16]. lines
[AGVO05]. linked [FLG12]. Links
[ACA+19]. List
[Aca16, Ano13a, Ano15, Bil119]. 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, DHC+13].
Locality [ASK+16, CG15a, KFEG18, SKH+16, ZCQ+19, AIVL13, FER+13].
Locality-Aware
[CG15a, KFEG18, SKH+16]. Localization
[CEP+16]. location [KHN+18, YLW08].
Lock [CWCS13]. Lock-contention-aware
[CWCS13]. Locking [ZBY17]. Loop
[ASP17, JK17, LVR+15, PHBC17, BCVT13, NCC13, SLM14, SLM12, YZL+10]. loop-dependent [YZL+10]. Loops
[CNS+16b, SN17, SRC16, JSJ13, KLMP12, RTG+07]. Low [BGG+15, CAMJ15, DJL+12, GG18, GáSÁ+16, GDL16, LGP+16, LHC+17, RTK15, SSW16, 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
[BGG+15]. Low-Overhead
[GDL16, LHC+17]. Low-Power
[CAMJ15, GáSÁ+16, BB04, CCZ13]. Lower
[ESR+15]. lowering [SSU+13]. LP
[GFD+14].
Machine
[ABP+17, DJB13, LBO14, SCEG08, SPS12,
WO13, WTFO14, WHV+13, machine-learning-based [WTFO14].

Machines [BSSS14, JK13, RB13, VED07].

MAGIC [KKW+15]. Main [ZFT+18].

Maintaining [YCCY11]. Making

[CRSP09, PLT+15, PI12]. Malicious

[KKW+15]. Malware [WCI+16]. MAMBO

[GD16]. Managed [YWXW12].

Management

[GTI+16, GMGZP14, HYAR+15, HMYZ15, MPPS18, OTR+18, SEF+19, SPS17, TTS19, ZDC+16, AVG12, FQRG13, GTSZ10, HVJ06, KCKG14, LGAZ07, LF09, LPZI12, RCG+10a, RB13, SW13, VS08, WWWL13, WDX14, WM11, YZCZ10].

Manager [Per18]. Managing

[APBR16, HS06, KB12, VS11, ZFL18, SS11].

Manipulation [CNS16a, ZHB18]. Many

[DT17, FMY+15, JFL+18a, PV15+17, ZLYZ16, LNLK13, OGK+12]. Many-Core

[FMY+15, JFL+18a, PV15+17, ZLYZ16, LNLK13, OGK+12]. Many-Cores [DT17].

Manycore

[KS16, KAC+18, LAS+13, MKKE15, ZCQ+19, BKS10]. map

[WTJ10]. Mapped

[LLRC17]. Mapping

[CDP16, DWDS13, DYC16, MKKE15, SKAEG16, WGO15, YMM+15, CCZ13, WJYL10, WTFO14]. MapReduce

[CC13]. Mappers

[RLBBN15]. Masking

[WJP19].

Masses [BHC19]. Massively

[MCB+12, RLBBN15]. Matching

[HHW15, WMG19, CW13, PLL10, TBS06, VW11].

Mathematical

[Mic16]. MATOG

[WG17].

Matrix

[BSL17, YAG+16, CYXF13, SJV08]. Matrix-Vector

[YAG+16]. maximize

[RCG+10a]. Maximizing

[AEJ16, LWF+16]. Maxine

[WHV+13].

MaxPB

[LWF+16]. MBZip

[KPM17].

McPAT

[LAS+13]. Measuring

[FMY+15].

Mechanism

[CEPT+16, SPS17, ZHS+19, ZCDD16, GB06, HWX+13, KS11, RFD13, SBC05].

mechanisms

[HWH+11, LCL+14, LMMM08].

Mechanistic

[BEE15, CHE+14]. media

[SLA+07]. meets

[KHL+13]. Memoization

[SS15]. Memories

[BKM+17, DGI+14, KRHK16, SPM17, TZZ18, WDX15, YMM+15, CCZ13, DXMJ11, LCC11].

Memory

[AJK+12, AIC16, AHA+19, CWM16, CG15b, CSK19, DHH18, DD16, DHD+14, ERAG+16, EE09, FMY+15, GH15, GMGZP14, GHS12, HNKK17, HHC+16, HASA16, JDJ+18a, LKY+15, LGP+16, LP17, MYG15, MYK16, NRQ16a, NRQ16b, NZ15, OTR+18, RLBBN15, SW17a, SMK15, TKKM15, USCM16, WAI+16, WJXC17, WZG+19, XHJ+16, YBSY19, ZFT+18, ZLYW18, ZLC+15, ZCQ+19, ZDC+16, ZWL+19, ZSM+16, ZPR+17, AF12, ATGN+13, CS10, CCZ13, DHC+13, DJX13, DZC+13, FQRG13, GPL+05, JS09, JSM+04, KGK10, KCKG14, LAS+08, LGAZ07, LF09, LCL+14, LHB12, MA08, PLL10, PCT12, RLS13, SV05, SL09, TBC+12, TG+12, VDP09, VED07, WKCS12, WWWL13, WSC+13, WLZ+10, YJTF13, YLT104, YLW08, ZPC06, ZSLX13, ZDC+12].

Memory-Disk

[LYK+15].

memory-efficient

[PLL10]. Memory-level

[EE09]. Memory-Reliability

[NRQ16b].

Memory-Side

[AHA+19]. MemTracker

[VDP09]. merge

[DDU12]. Merging

[T05, SSU+13]. Message

[ZM15]. Message-Passing

[ZM15]. Meta

[BJWS18]. Meta-Format

[BJWS18]. metafunctions

[LT13]. Metering

[LMA+16, LMJ+13b]. Method

[KTA16, CWCS13, SHC13]. Methodology

[TCS16]. Metric

[SNN+19, SPS17]. Metrics

[EMR14, TDO16a]. MIAOW

[BGG+15]. MiCOMP

[ABP+17]. Micro

[CAGS17]. Micro-Sector

[CAGS17]. Microarchitectural

[FMY+15, DJB13, LB10].
Microarchitecture
[MMS15, ASK13, HS05, RPS06, SSS+04].
Microarchitectures [ACGK04].
Microbenchmarking [FMY+15].
Microprocessor
[KCA+13, BE13, YCCY11].
microprocessors [BSO07, RCG+10a].
Migration
[ML17a, LTX16, LJMG12, MSF+07].
Million [CAY+18].
MINGLE [GásA+16].
minimal [XL07].
MINIME-GPU [DS16].
minimization [CH06, SSR13].
mining [CPD13].
Mips [SHD15].
misaligned [LWH11].
Mismatches [APBR16].
mitigated [GW08].
misses [CAY+06, LS10, VHKP11, Zha08].
Mitigating
[ABP+17, EPAG16, SYX+15, LCL+14].
migration [DYL+12].
mitigations [CCD12].
Mixed [XIC12].
MLC
[PM17, RJA018].
MLC/TLC [PM17].
mobile [AVR07, TBC+12].
mode [SW13].
Model
[CC18, DAKK19, ESR+15, GGS+17, NZ15, SRC16, XHY17, YCA18, ZHB18, DC07, MG13].
Modelling
[BE15, KR19, LAS+13, SSC+13, AFD07, CA11, EE12, IMS+08, XMM04, SSS+04].
Models
[CHE+14, FCD+17, GGS+19, GHH15, VFW16, LAS+08, XIC12].
Modern
[HY+16, CCD12, JK13, KNK12].
Modification
[UG07].
Modulo
[LME18, KCP13].
Moldable
[MKKE15].
Monitoring
[LHC+17, LMMM08, VDSP09, ZZQ+05].
monopolizable
[DYL+12].
Moore
[DSH+18].
Most
[PLT+15].
Movement
[ESR+15].
Moving
[DAKK19].
MP
[WZL+13].
MP-Tomasulo
[WZL+13].
MPI
[HWX+13, MP13].
MPSoCs
[DM+16].
MRAM
[WDX15].
MRAM-Based
[WDX15].
MSHRs
[CA11].
Multi
[CC18, FMY+15, FCD+17, GVT+17, JPS17, LBP+16, PGB16, SPS17, ZCF18, CDPD13, GWS13, LFC13, PM12, RB13, RPE12, ZGC+12].
Multi-Agent
[JPS17].
Multi-Core
[CC18, SPS17, PM12, ZGC+12].
Multi-Cores
[ZCF18].
Multi-CPU
[PG16].
multi-FPGA
[CPD13].
multi-GPU
[LFC13, RB13], multi-issue
[GWS13].
Multi-Layer
[LG+16].
multi-server
[RJ12].
Multi-Tenant
[FCD+17].
Multi-Threaded
[GVT+17].
Multibank
[CG15b].
Multiblock
[KPM17].
multicharacter
[CW13].
Multicore
[AVS+16, BHC+16, CC13, CG15a, CDP16, DS16, DAKK19, HMYZ15, HEMK17, KE15, KK15, LAS+13, LMA+16, LYH16, PT17, PGB16, SLJ+18, SKH+16, ZDC+16, CG14, CK11, CWCS13, DEE13, FBWS13, HWX+13, LMJ+13b, LCL+14, LH+13, RCG+10a, VE13, WFKL10, ZCW10].
Multicores
[HK14, PB15, TD10a, TTS19, MSF+07].
multidimensional
[RTG+07].
Multigrain
[AZG17].
Multilevel
[XHJ+16, YMM+15, JK13, TKJ13].
multimedia
[SV05].
multiobjective
[CPP08].
multiplatform
[HLC10].
Multiple
[KHN+18, ZSM+16, GB06, HVJ+06, RCV+12].
Multiplexing
[NP17].
Multiplication
[YAG+16].
Multiply
[GG18].
Multiply-Accumulate
[GG18].
multiprocessor
[BBG13, GSZ10, LT13].
Multiprocessors
[CPS+15, LBM13, APG13, GPL+05, LAS+08, LM05, LPZI12, LMMM08, SMK10].
Multiprogram
[LBC+13].
Multiprogramming
[EMR14].
Multisocket
[CG15a].
Multithreaded
[AZG17, JYE+16, LYH16, DWDS13, GMW09, NTG13, PGB13, RGG+12, RCG+10a, XIC12].
multithreading
[EE09, GWM07].
NAND
[DG+14, SZJK18, ZWL+19].
Nanoscale
[GBD+15].
native
[RJ12].
Near [HK14, KCA+13, LP17, MAD17, VFJ+17, KCKG14, RPE12]. Near-Data [VFJ+17]. Near-Memory [LP17].
Network-on-Chip [CEP+16, DJC16, EPS18].
Network-on-Chips [ZM15]. Networks [ACA+19, AMP+16, CVB15, GG18, GR15, MWJ19, RSK+18, ZFF+18, BKA13, LWWH12, PRMH13, SMK10, SEP07].
Non-Uniform [HK14]. non-volatile [WDXJ14]. Nonlinear [SRC16].
onuniformity [WA08]. Nonvolatile [SPM17, DXMJ11, DJX13]. Not-taken [PS12]. Novel [LMZ18, ZFT+18, ZWL+19, CCZ13].
NUCA [GFD+14, HK14, LJM12]. NUCA-L1 [HK14]. NUMA [RSK+18].
Off-Chip [BKM+17]. Offloading [HNKK17, MTK18, MGA+17]. offset [CZ07]. On-Chip [VFW16, JPS17, BKA13, CK11, EE11, LNLK13, SMK10, TGD13, XCC+13].
Online [BSO07, CG15a, CEP+16, TTS19, WAST16]. onto [WYJL10]. OoO [MAD17]. Open [BGG+15]. Open-Source [BGG+15].
OpenCL [WGO15]. OpenMP [PC13, YCA18]. OpenStream [PC13].
Operating [HK14]. Operations [BSL17, GGK18, LP17]. opportunities [KKG10, XMM04]. Optical [CWW+16].
Optimal [CH06, CBD15, GK13, KCA+13, Mic16, SW17b, SW09, ZGP15, KCKG14, XCO06].
optimising [LBO14]. Optimization [AYL+18, ABP+17, BSL17, DAP+15, FXC+15, GGS+17, GGS+19, KTAE16, LVR+15, MNC+16, RMA14, VFW16, YKM17, YDL+17, ZCF18, CFH+12, CXW+12, CYXF13, DJX13, FT10, GHS12, HS06, HEL+09, HVJ06, JPS17, KHW+05, KWTDO9, PJJ13, SL12, SRO15, SRO15, SW11, ZFT+18, ZWHM05, ZCS06].
optimization-phase [KHW+05].
Optimizations [EPS17, JRK16, ZWS+16, LCH+04, LHY+06]. Optimize [DBH16].
Orchestration [GVT+17]. Order [BEE15, CAY+18, HYAM16, MAD17, PS15, SPH+17, BB04, KWTDO9, SJA12, YJTF13]. order/out [BB04]. Ordering [ABP+17].
organization [ASK13, GGFPGR12]. Oriented
Out-of-Order

Overhead

overheads

Out-of-Order

Parallel

Parallel

Parallelization

partial

Parallelization

Partition

partitioned

Partitioning

pattern-specific

pattern-oriented

PatternSim

PCM

PCIE

PCM

performance-friendly

performance-driven

Performance

Performance-Energy

Performance-aware

Performance-Based

Phase-Change

Phase-Ordering

Photonics

Piecewise

piPA

pipelining

placement

Places

Platform

Point

pointer-intensive

pointer

Policies

polyhedral
[GGS+19, KL19, PKC12, SYE19, SRC16, VJC+13, ZHB18]. Polyhedron [GGS+17].

dynamic [PM12]. polymorphous [SNL+04]. polytopes [SLM12]. Port
[WX14, GKP14]. Portability [FDF+14].

Power-Aware [AEJE16, ACA+19, CAMJ15, DTD16, DD16, 
FCD+17, GaSÁ+16, GBD+15, HYAR+15, 
HYAM16, HAC13, JGSM15, KH18, 
KMG14, LM05, LAS+13, LWF+16, SEF+19, 
WYCC11, ZCF18, AVG12, BB04, CCZ13, 
HP04, HL07, LYYB07, MP13, MSK05, 
SW13, SEP07, WYYL10, XL07, YCCY11].

Power-Aware [ACA+19, DTD16, SEPO7, WYYL10].

Power-Efficient [HAC13, KH18].

Power-Gating [ZCF18].

Power-performance [LM05].

Power/Capacity [GBD+15]. POWER8
[XFS+19]. Practical [FXC+15, KWTD09, 
BSWLE13, FT10, ZBH+13]. pre
[YCCY11, XC06]. pre-wakeup [YCCY11].

Preallocation [SSR13]. Precise [AFD07]. precision
[LDG+13]. Prediction
[HAC13]. predictability [LBJ05].

Predictable [SF18, XHJY17]. Predicting
[WLWB19]. Prediction
[EPS17, GAM12, OAM19, PLG19, YPT+16, 
CST+06, Jim09, MG12, TS05]. predictive
[IM5+08, RBM10, YCCY11].

predictive/adaptive [RBM10]. Predictor
[Mic10, OAM19, AGVO05, JSJ+04, SL09].

Predictors [EPAG16]. Prefetch [SPS17].

Prefetch-Fraction [SPS17]. Prefetched
[SYX+15]. Prefetcher
[LYH16, PB15, SYX+15, LJMC12, SBC05].

Prefetcher-Caused [SYX+15].

Prefetchers [LBM13]. Prefetching
[KFEG18, LKV12, OAM19, SPS17, WPJ19, 
AGI+12, CA11, GB06, SBC05, WFKL10, 
YLL04]. Pressure
[SKPD19, SLP08, SSR13, YZ08].

Preventing [WDX14]. prevention
[TBS06]. Priority [ASV+16, XHJY16].

Private [DRHK15, SSK11].

Private/Shared [DRHK15].

Program [ABP+17, DBH16]. Problems [VFW16].

Processors
[APB+17, DBH16, KWTC09]. Processing
[CC13, HNKK17, MYG15, MYG16, 
PBY+17, ZLJ18]. Processing-In-Memory
[HNKK17, MYK16, MYG15]. Processor
[AEJE16, AHA+19, BEE15, DSK19, 
HYMYZ15, HWL+19, LP17, XFS+19, CS13, 
GW08, LGAZ07, LYYB07, SJA12, SHC13, 
SSPL+13, WFKL10]. Processor-Tracing
[HWL+19]. Processors
[ASV+16, CAMJ15, DBH16, KS16, KK15, 
SHD15, VJF+17, YWXW12, CRS09, 
CCD12, CSVM04, DEEE13, EE09, EE12, 
FBWS13, GMW09, GWS13, GKP14, 
HWX+13, KLMP12, LMCV13, P12, 
RGG+12, SRLPV04, SLP08, XT09, YZL+10].

Productive [KFEG18]. Productivity
[SKAEG16]. Profile
[CS13, 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, NMK06, ZCW10]. profit
[ZCS06]. profit-driven [ZCS06]. Program
[DSR15, PVA+17, ZHB18, DS12, P13].

Programmable [MCB+12, AS13, Zha08].

Programming [AJE+16, MGSH16, 
PBY+17, YCA18, NCC13].

Programming-Based [AJE+16]. Programs
[GKCE17, KPP+15, MPPS18, 
MNSEC16, RHC15, 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, ERAG+16, CCZ13, MA08]. protocol
[SSPL+13, SSH+13]. Providing [XHJY17].
Provisioning [BSSS14]. PS [LMJ13a].
[WLWB19]. Purpose [CAMJ15]. push [YTL04].

QoS [ASL17, LPZI12]. QoS-Supervised [ASL17]. quadruple [LDG+13].
quadruple-precision [LDG+13]. Quality [GSZI10]. Quantitative [TCS16]. quantum
[WP+04]. quasi [JSM+04]. quasi-static [JSM+04]. Queue [HLSW17, BB04].
QuMan [SKKB18].

R [VC16]. R-GPU [VC16]. Race
[LHC+17, MNSC16]. Radio [DMR+16].
radix [ASK13]. RAGuard [ZHS+19].
RAM [LZL+13, RTK15, WDX14]. random
[VSP+12]. ranges [MAN+08]. Rank
[AKJ+12]. Rate
[CWMC16, EPS18, SHD15]. RATT
[CWMC16]. RATT-ECC [CWMC16].
Reach [JED19]. Read
[MNSC16, RJSA18, RLS15, JLCR13].
Read-Modify-Write [RLS15]. read/write
[JLCR13]. Real [CEP+16, KE15, KTAE16, GGIK13, YZ08, ZGC+12]. Real-Time
[CEP+16, KE15, KTAE16, GGIK13, ZGC+12]. reassignment [CH06]. recency [VSP+12].
recognition [KKM+13]. recompilation
[NED+13]. Reconfigurable
[DBH16, KHS+14, LMSE18, PT17, TD16, VC16, ASI13, KLMP12, KCP13, ZSLX13].
Reconfiguration [DTD16].
Reconstructability [BRJM15]. Recovery
[LHY+06, RHLA14]. Recycling [KKAR16].
RedDirect [PT17]. Reduce
[ASL17, DSR15, ZCCD16, YZ08]. reduced
[VED07]. Reducing [CPP08, GWS13, HL07, JLCR13, SLP08, TS15, ZHD+04, Zha08, ZWS+16, BCM11, MP13, PGB12, ZSCM08].
Reduction [ASS17, KTAE16, LSC+15, LWL18, MSK05, XT09]. Reductions
[PWP+19]. Redundant [KS16, JLER12]. references [YZL+10]. referent [WK09].
Refresh [LSC+15, TKM14]. Region
[HWL+19]. Register
[SKPD19, TS15, VZS+18, YWXW12, YBSY19, BZS13, CH06, GKP14, JOA+09a, JOA+09b, JA14, SJV08, SL08, SSR13].
Register-Pressure-Aware [SKPD19]. registers [SCEG08, YZ08]. Regression
[JGSM15, CDPD13]. Regular
[BC13, JSH09]. regulators [EE11].
Reinforcement [JPS17]. Relaxed
[GHH15, RJSA18, YJTF13]. relaxed-order
[YJTF13]. release
[GW09, JOA+09b, SL08]. Reliability
[NRQ16b, ZFT+18]. Reliable
[CWMC16, KS16, CK15, ZLYW18, CPB+07].
Remapping [LWL18, ZPC06]. remote
[NMKS06]. removal [BCVT13]. Removing
[AGK04]. renaming [JA14]. ReNIC
[DCP+12]. reordering [ZC07].
Replacement [DAD16, Mic16, FTLG11, TKJ13, WM11, ZDC+12]. Replay
[CCL+13]. REplayer [DAP+15].
replication [AGK04, DCP+12]. representation [KCKG14]. representative
[BE13]. requester [ATGN+13].
requester-wins [ATGN+13]. ReRAM
[ZFT+18]. ReRAM-based [ZFT+18].
ReSense [WDWS13]. Resilience [TCS16].
Resilient [SZJK18]. Resistance [RJSA18].
Resistive [MYKG16, TZK18]. Resource
[Per18, PS12, ARS04, DWDS13, GW08, NMKS06, VS11, ZK05].
resource-constrained [NMKS06, ZK05].
resource-efficient [GW08]. resources
[RGG+12]. Retargetable
[SHY14, HEL+09, HLC10]. Rethinking
[ERAG+16]. return [VS08]. Reuse
[DAD16, JLI+18a, KE15, KR19, AIVL13, FER+13, YZL+10, YLW08]. Reusing
[PBP19]. ReveNAND [SZJK18].
Revisiting [Aca16, Ano13b, Ano15, Bil19, Ano13a].

Reviewers [AMG16, MBY13, VS08].

SCIN-cache [NTG13]. SCORE [ZWL+19].
SCP [SLJ+19]. Scratchpad [JAK17, RTK15, YBSY19, CS10, LFX09].
script [KBR+13]. script-based [KBR+13].
Seamlessly [KNBK12]. Search [KL19, ZX19]. searches [KHW+05].
SECRET [LSC+15]. Section [DSR15].
Section-Based [DSR15]. Sector [CAGS17].
Sected [CAGS17]. secure
[CRSP09, SSPL+13]. Selecting [BE13, TDO16b].
Selection [MNC+16, SNN+19, ZGP15, MBY13].
Selective [KMG14, LSC+15, WPJ19,
LWWH12, MA08, VSP+12]. Self
[LLRC17, BBG13]. Self-Balancing
[LLRC17]. self-scheduling [BBG13].
SelSmaP [WPJ19]. Semantic
[AP17, HCC+14]. Sensible [LMA+16].
Sensing [WCI+16]. sensitive [Nas13].
sensitivity [WWL+13]. Sensor [DSK19].
Sensor-Processor [DSK19]. Sequences
[ABP+17, MNC+16, KHW+05, PJ13].
Sequential [WLZ+13, LZ12]. series
[LTG12]. Server
[AVG12, FCD+17, LTG12, RPE12]. Servers
[LTX16]. Service [GMW09, GZ10]. set
[AR13, HL07, KWCL09, ZK06].
set-associative [HL07, KWCL09]. sets
[DDU12]. setups [RPE12]. sFree
[BRJS12]. Shape [MJ19]. Shared
[DRHK15, GKP14, HMYZ15, KE15, LB13,
PG17, SKAE16, SLJ+19, WJX17,
XHJY16, AG1+12, AI1L13, GGFRG12,
GSZ10, HLR+13, KGK10, LHBW12,
RGG+12, WM11, ZPC06]. shared-data
[HR+13]. shared-memory [ZPC06].
Shared-port [GKP14]. Sharing
[GG18, JAK17, YDL+17, ZJ+15, SSK11].
shotgun [FBHN04]. showdown [SCG08].
shuffler [BVIB12]. Side
[AHA+19, BCHC19, BVIB12, DJL+12].
Side-Channel [BCHC19, BVIB12].
signatures [OAB12]. Significance
[PVA+17]. Significance-Aware [PVA+17].

Simulating [RPE12]. Simulation [JYE+16, SLJ+18, HS05, KYJ+13, RCV+12]. Simulations [CAY+18, HEMK17, JLL+18b]. Simulator [LCS+19, NRQ16b]. Simulators [JLL+18b]. Simultaneous [LGP+16, EE09, RCG10a].


Skeleton [NC15]. Skeleton-Based [NC15].

Skylake [HYAM16]. Skylake-Based [HYAM16].

SLOOP [ASP17]. Slowdown [XHJ17]. SM [ZJJ+15]. smart [AGV+05].

SMT [EE12, LMCV13, PLT+15, SLP08, VS11, WA08]. Snapshot [LDC15].

Snippets [SWU+15]. Snug [HI+07]. SoC [CWW+16]. SoCs [DFD+14]. Soft [FWJ+16, LKL+13]. Software [BCHC19, DMR+16, GSC+17, LCL+14, MGI15, RCV+05, SBS+16, SEP07, VJ+17, VZS+18, YWWX12, CS10, HWW+11, HCC+14, MMD+06, RVOA08, RCG+10b, RTG+07, TGA+12, YRHLB13]. Software-based [LCL+14].

Software-controlled [RCV+05]. Software-Defined [DMR+16, TGA+12]. Software-Directed [VZS+18, SEP07]. software-guided [RCG+10b].


Spatiotemporal [LAAMJ15]. SPCM [HASA16]. specific [CDM13, SHC13, SD12]. Specialization [YAG+16]. Specialized [GÁSÁ+16, GÁSÁ+13]. species [NCC+13].

specific [PRM+13]. Spectral [SBC+05]. Speculation [MGI15, GPL+05, SHLM14]. Speculative [VS08, DC07, GPL+05, LCH+04, LHY+06, LZ12, LHZ13, NTG13, VS11, XIC+12, XC06, YRHLB13, ZSCM08]. speed [GB06, RPE+12]. Speeding [GGS+19].

split [XT09]. Spill [ASD17, BSS06]. Spurious [BCVT13]. SR [DPC+12].


Stabilization [SHD+15]. stack [CH06, VS08, SGE+08]. Stacked [CWM+16, LGP+16, NRQ16a, NRQ16b]. Stacking [APB+16, ZSLX13]. state [GPL+05]. Static [AFD+12, BHC+16, PLG19, SHY+14, JSM+04].

statically [NED+13]. Stealing [CGG+15, ZCQ+19].


Streaming [CNS+16b, MKKE15, PC13, WO13]. Streaming-Based [CNS+16b]. Strength [GAM12]. Strength-Based [GAM12].

Stride [WPJ19]. string [CW13, PLL10, TBS06]. string-matching [CW13, PLL10, TBS06]. Strings [SMP+17].


Studying [CBD15]. Sub [ABP+17]. Sub-Sequences [ABP+17]. subranked


tenure [RBM10]. TEP [LJ017]. test [SV05]. Tetris [XT09]. Tetris-XL [XT09]. their [ZG05]. Theory [YDL+17]. Thermal [LM08, CK11, WA08, ZCY10]. Thread [CDN16, DS15, LM13, LW11, LY16, MG115, PGB12, RCG+10a, SF18, YBSY19, BTS10, CCPG13, DEE13, GPL+05, LHZ13, MSF+07]. Thread-Aware [LYH16].

Thread-Data [LWL18]. Thread-Level [LM18, MG15, YBSY19, GPL+05].

Thread-management [RCG+10a]. Threaded [GVT+17]. Threading [KS16]. Threading-Based [KS16]. threads [GB06, LZ12, ZSCM08]. Three [VFW16].


Tiled-MapReduce [CC13]. Tiling
[CC13, ZGP15, BCVT13]. \textbf{Time} [BC13, CEP+16, KE15, KTAE16, Nas13, PKPM19, SEF+19, CCD12, GK13, KHL+13, LTG12, LMVC13, RGG+12, ZGC+12].

\textbf{Time-} [BC13, Nas13], \textbf{time-critical} [RGG+12], \textbf{time-series} [LTG12].

timekeeping [WM11], \textbf{timestamp} [RLS13], \textbf{timestamp-based} [RLS13]. \textbf{Timing} [LAS+13], TL [ZGC+12], TL-plane-based [ZGC+12]. TLBs [LBM13], TLC [PM17], TLP [LMZ18, SNL+04]. \textbf{Token} [RBM10].

token-counting [RBM10], Tokens [ZFL18].

\textbf{Tolerance} [AAI+16, RCV+05], \textbf{Tolerant} [DSH+18, HAM17, LCC11]. \textbf{Tolerating} [KWCL09, YLTL04]. \textbf{Tomasulo} [WLZ+13], \textbf{Tomography} [MMT+12], Tool [GDL16, MPW+17, PD17]. Tools [BKM+17].

\textbf{Topological} [CVB15, KKM+13], \textbf{Topologies} [DJC16]. \textbf{Topology} [DHD+14], \textbf{Topology-Aware} [DHD+14], \textbf{TornadoNoC} [LNKL13]. \textbf{Trace} [HWM14, CWS06, HCC+14, SWH09].

\textbf{trace-based} [HWM14]. \textbf{Traces} [HEMK17, SLJ+18, TG07, ZG05]. \textbf{Tracing} [HWL+19, HCC+14]. \textbf{Tracking} [LLRC17, MMT+12, KHL+13, VTN13].

\textbf{trade} [AVG12], \textbf{trade-off} [AVG12].

\textbf{Tradeoffs} [GPL+05], \textbf{traffic} [FQGR13, LYYB07]. \textbf{Tranquilizer} [PGB12].

\textbf{Transaction} [ZCCD16, SSU+13].

\textbf{Transactionual} [DHK18, DD16, GMGZP14, NZ15, PD17, RLS15, VSDL16, ATGN+13, RLS13, SSU+13, TGAG+12, WKS12, YJTF13].

\textbf{Transactions} [DD16, LDC15, SSU+13].

\textbf{Transcendental} [SSRS15], \textbf{Transfer} [HHC+16]. \textbf{transfers} [STLM12].

\textbf{transformation} [JSL13], \textbf{transformations} [BCVN10, RCG+10b, SLM12], \textbf{transition} [CW13]. \textbf{transitioning} [HWM14].

\textbf{transitions} [SW13]. \textbf{Translation} [HWL+19, JED19, LHW+19, TKKM15, HWH+11, LWH11, LMJ13a]. \textbf{Translator} [SHY14, HLC10].

\textbf{Translators} [DGGL16, GHS12]. \textbf{Transparency} [GKCE17]. \textbf{Transparent} [ZHS+19].

\textbf{Transport} [AJE+16], \textbf{transpose} [GS12], \textbf{transpose-free} [GS12], \textbf{Traversal} [RMA14]. \textbf{Tree} [ZX19, CDPD13, PRMH13].

\textbf{Trees} [JGSM15, BRSGJ12]. \textbf{Triangular} [BSL17]. \textbf{Triggered} [AJE+16]. \textbf{Triple} [LP17]. \textbf{TRIPS} [SNL+04], \textbf{TSV} [NRQ16a].

\textbf{Tumbler} [PGB16], \textbf{Tunable} [MGSH16].

\textbf{Tuning} [CG15a, JGSM15, JA14, MG15, WG17, XFS+19, WKS12]. \textbf{Turbo} [KH18].

\textbf{turn} [AGVO05]. \textbf{turn-off} [AGVO05]. \textbf{Two} [CWMC16, JYE+16], \textbf{Two-Level} [JYE+16]. \textbf{Two-Tiered} [CWMC16]. \textbf{type} [AR13].

\textbf{Types} [PD17].

\textbf{UMH} [ZSM+16]. \textbf{Understanding} [EPAG16, LS10, MMT+12, VE13]. \textbf{Unified} [TG07, ZSM+16, YXX+12, KRHK16].

\textbf{Uniform} [HK14]. \textbf{Units} [GG18, GÁSÁ+16, SEF+19, GÁSÁ+13, HVJ06, YCCY11].

\textbf{unloading} [ZK05]. \textbf{Unreliable} [PVA+17].

\textbf{Unsynchronized} [DSR15], \textbf{UPC} [SKAEG16]. \textbf{update} [LZY09].

\textbf{update-conscious} [LZY09], \textbf{usage} [VS11]. \textbf{Use} [SW17a]. \textbf{User} [KKAR16, ZHS+19].

\textbf{User-Assisted} [KKAR16].

\textbf{User-Transparent} [ZHS+19], \textbf{uses} [GB06].

\textbf{Using} [AZG17, AMP+16, ABB+17, BSL17, CCL+13, DAKK19, ESR+15, FDR+14, GÁSÁ+16, GR15, HJW15, JGSM15, KR19, RBBN15, SYX+15, SPS17, SPS12, SH+13, SRS15, WO13, ZLYW18, AS1K13, BZS13, CAMJ15, DDU12, DWS13, DXMJ11, DJJ13, EJ11, HVJ06, JHSH09, JSM+04, KKM+13, MG13, RCV+12, SHLM14, SWH09, SSR13, TTS19, YCCY11, YCA18, ZHD+04, CST+06]. \textbf{Utility} [PB15].

\textbf{Utility-Driven} [PB15]. \textbf{Utilization} [CAGS17, LWF+16, SKKB18, TJK18, VZS+18, YXW12, ZCCD16, XCC+13].

\textbf{Utilizing} [TBC+12, KCP13]. \textbf{UMHs} [KRHK16].
**References**

**Akturk:2016:ABN**

**Andreetta:2016:FPF**


Diego Andrade, Basilio B. Fraguela, and Ramón Doallo. Static analysis of the worst-case memory performance for

**Albericio:2012:ALC**


**Abella:2005:ISP**


**Azriel:2019:MSP**


**Ahn:2012:ISE**

Anderson:2016:AVI


Ashouri:2016:CCA


Anonymous:2013:LDR


Ardestani:2016:MMV


Abad:2013:LLF


Alias:2017:OAC


Anonymous:2015:LDR


Anonymous:2013:TR


Anonymous:2015:TR

Asher:2013:HTL


Akkary:2004:ARE


Antao:2013:CFA


Anbar:2016:EHL


Azhar:2017:SQS


Angerd:2017:FAC

REFERENCES

CODEN ????. ISSN 1544-3566 (print), 1544-3973 (electronic).


Baghdadi:2013:ILT

Breughe:2013:SRB

Bao:2016:SDF

Balasubramanian:2015:EGL

Bilas:2019:LDR
REFERENCES


[BSO07] Fred A. Bower, Daniel J. Sorin, and Sule Ozev. Online diag-


Barik:2013:DNS


Chen:2011:HAM


Chaudhuri:2017:MSC


Chi:2015:LPH


Cai:2018:ESH


Colombet:2015:SOS


Chen:2013:TME

REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Issue</th>
<th>Pages</th>
<th>Year</th>
<th>DOIs</th>
</tr>
</thead>
</table>
| Cilardo:2015:IMM | Alessandro Cilardo and Luca Gallo. | Improving multibank

**Choi:2006:ORR**


**Carlson:2014:EHL**


**Coelho:2013:ACI**


**Cher:2011:EEC**


**C:2016:FGM**


**Cattaneo:2016:HA1**


**Constantinides:2007:ARC**

Kypros Constantinides, Stephen Plaza, Jason Blome, Valeria Bertacco, Scott Mahlke,


Chen:2013:EMT


Crandall:2006:MAS


Cui:2013:LCA


Chen:2016:RER


Co:2006:ETC


Chen:2016:IDO


Cui:2012:EPO

CODEN ???? ISSN 1544-3566 (print), 1544-3973 (electronic).


REFERENCES

Dong:2012:RAE

Do:2016:PEH

DeSensi:2017:BPP

Das:2012:ELC

DuBois:2013:PTC

Dantras:2016:OIB

Carlo:2014:FAA
Stefano Di Carlo, Salvatore Galfano, Marco Indaco, Paolo Prinetto, Davide Bertozzi, Piero Olivo, and Cristian Zambelli. FLARES: an aging aware algorithm to autonomously


Leonid Domnitser, Aamer Jaleel, Jason Loew, Nael Abu-Ghazaleh, and Dmitry Ponomarev. Non-monopolizable caches: Low-complexity miti-
REFERENCES

Dong:2013:CAC


Dolan:2013:CSL


Dardaillon:2016:NCF


Dublish:2016:CCG


Davari:2015:EGA


Demme:2012:AGC


Deniz:2016:MGM

[DS16] Etem Deniz and Alper Sen. MINIME-GPU: Multicore benchmark synthesizer for GPUs.
REFERENCES


Deng:2018:EML


Debrunner:2019:AAK


Das:2015:SBP


Diavastos:2017:SLR


DeSensi:2016:RAP


Dey:2013:RMD


Ejaz:2018:DDD


EPS18

Elwell:2016:RMP


ERAG+16


Fields:2004:ICS


Fowers:2013:PEC


Ferroni:2017:PCM

Fang:2014:PPA


Fang:2015:MMD


Fauzia:2013:BRD


Feng:2012:PPL


Feng:2009:DWF

REFERENCES

[Fursin:2010:COP]

[Feng:2011:DAD]

[Fernandes:2016:EHO]

[Fang:2015:PIO]

[Ghandour:2012:LSB]

[Gonzalez-Alvarez:2013:AAD]

[Gonzalez-alvarez:2016:MEF]
REFERENCES

Ganusov:2006:FEP

Gottscho:2015:DDP

Gorgovan:2016:MLO

Garcia-Guirado:2012:DDA


Geraci:2012:TFP


Goens:2017:SSS


Guo:2010:QSS


Gaspar:2016:FAG


Georgakoudis:2017:SSA


Golander:2008:HMP


Golander:2009:CAR


Hohenauer:2009:SOF


Hroub:2017:EGC


Hijaz:2014:NLN


Hwang:2007:SSA


Hwang:2010:DCR

1544-3566 (print), 1544-3973 (electronic).

**Hagiescu:2013:GCG**


---

**Huang:2017:IEG**


---

**Holey:2015:PEC**


---

**Hadidi:2017:CCA**


---

**Hartstein:2004:OPD**


---

**Haskins:2005:AWS**


---

**Hazelwood:2006:MBC**

REFERENCES


Haj-Yihia:2015:CDP


Haj-Yihia:2016:FGP


Ipek:2008:EAD


Isailovic:2004:DCQ


Jothi:2014:TCF


Jatala:2017:SSG


Jiang:2013:HAC

Joshi:2008:DEP


Jaleel:2019:DHP


Jia:2015:GPP


Jimenez:2009:GNB


Jantz:2013:ESM


Jensen:2017:ILD


Jang:2013:ACO


Jin:2018:LCM


Jo:2018:DSD


Jones:2009:EER


Jones:2009:ELE


Jain:2017:CMA


Jantz:2016:IIP

Michael R. Jantz, Forrest J. Robinson, and Prasad A.

Jeon:2009:AAP


Jeong:2013:EET


Juang:2004:IBP


Jiang:2016:TLH


Jiang:2013:PAP


Komuravelli:2015:RCH


REFERENCES

Kourtis:2010:ECO


Kondguli:2018:CME


Kerschbaumer:2013:IFT


Kim:2018:CEC


Kaitoua:2014:HED


Kulkarni:2005:FES

Prasad A. Kulkarni, Stephen R.

Kanuparthi:2015:RIC


Kurt:2016:UAS


Kawahito:2013:IRF


Karimi:2015:MMA


Kronawitter:2019:PSS


Kim:2012:IPN

References

Kumar:2014:EPG


Kicherer:2012:SPA


Kanakagiri:2017:MMD


Kong:2015:CRF


Kiani:2019:ECP


Koukos:2016:BHU


Kleanthous:2011:CMD

Kalayappan:2016:FRT


Kafshdooz:2016:CTO


Koh:2009:TPV


Kotzmann:2008:DJH


Kulkarni:2009:PEO


Lucas:2015:SSS


Leverich:2008:CEM

Jacob Leverich, Hideko Arakida, Alex Solomatnikov, Amin...

Li:2013:MFM


Lee:2010:AIC


Li:2005:ABT


Lustig:2013:TIC


Leather:2014:AFG


Lee:2011:DDE


Li:2009:CDS


Li:2007:CCE


Li:2017:LLO


Liu:2016:SML


Lyons:2012:ASS

Lin:2006:RCG


Luo:2013:DIH


Lira:2012:MPA


Lee:2012:DCD


Lee:2012:WPW


Lee:2017:DBT


Li:2005:PPC


[LMZ18] Zhen Lin, Michael Mantor, and Huaiyang Zhou. GPU performance vs. thread-level parallelism: Scalability analysis and a novel way to improve TLP.
REFERENCES


Lee:2013:TLS


Lim:2017:TEP


Li:2012:DQM


Lotfi:2015:AAC


Liu:2010:UBI


Lin:2015:SSE


Lee:2013:APF

[LT13] Sanghoon Lee and James Tuck. Automatic parallelization of fine-grained metafunctions on a chip multiprocessor. ACM Transactions on Architecture...
REFERENCES


[LWWH12] Andreas Lankes, Thomas Wild, Stefan Wallentowitz, and An-
REFERENCES


Lu:2016:AFB


Liu:2016:TAA


Lee:2015:NMD


Luo:2007:CNP


Luo:2012:DDS


Li:2013:CCC


Li:2009:TUC

Weijia Li, Youtao Zhang, Jun Yang, and Jiang Zheng. Towards update-conscious compilation for energy-efficient code dissemination in WSNs. *ACM Transactions on Architecture
REFERENCES

Mehrara:2008:ESP


Mohammadi:2017:COE


Mysore:2008:FIP


Malits:2012:ELG


Mehta:2013:TSS


Majumdar:2012:MPE


Matheou:2015:ASD


[Mic16] Pierre Michaud. Some mathematical facts about optimal

**Michaud:2018:ATL**


**Melot:2015:FCS**


**Martins:2016:CBS**

REFERENCES

2016. CODEN ???? ISSN 1544-3566 (print), 1544-3973 (electronic).


REFERENCES

Mbakoyiannis:2018:EPC


Mammadli:2019:AGD


Mehta:2016:VL


Morad:2015:GSP


Mammadli:2019:AGD

[Nas13]


Nandivada:2013:IBA

[NB13]


Nugteren:2015:BAS

[NC15]


REFERENCEs

44:1–44:??, January 2016. CODEN ????? ISSN 1544-3566 (print), 1544-3973 (electronic).


REFERENCES

July 2015. CODEN ????? ISSN 1544-3566 (print), 1544-3973 (electronic).


REFERENCES


Poovaiah M. Palangappa and

Prisacari:2013:FPS


Premillieu:2012:SSR


Premillieu:2015:EOE


Patsilaras:2017:RRD


Parasyris:2017:SAP


Pathania:2017:DTM


Pirkelbauer:2019:BTF

Peter Pirkelbauer, Amalee Wilson, Christina Peterson,
REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Authors</th>
<th>Title</th>
</tr>
</thead>
</table>
| [RLS13] | Wenjia Ruan, Yujie Liu, and Michael Spear | Boosting timestamp-based transactional


Roy:2018:NCN


Rong:2007:SDS


Rodriguez:2015:VSR

Gabriel Rodríguez, Juan Turiñío, and Mahmut T. Kandemir. Volatile STT–RAM scratchpad design and data allocation for
REFERENCES


**Rangan:2008:PSD**


**Rohou:2013:VTI**


**Strozek:2009:EAE**


**Sharma:2005:SPE**


**Scolari:2016:SCP**


**Shi:2008:VMS**


**Stenström:2012:ISI**

REFERENCES

Streit:2015:GTP


Sadrosadati:2019:IIT


She:2013:EEM


Suh:2015:DMR


Samadi:2014:LGU

Mehrzad Samadi, Amir Hormati, Janghaeng Lee, and Scott

Shen:2014:RSB


Sharafeddine:2012:DOE


Shahbahrami:2008:VES


Serres:2016:EPP


Shi:2016:LLA


Sfakianakis:2018:QPB

<table>
<thead>
<tr>
<th>Reference</th>
<th>Year</th>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Pages</th>
<th>Digital Object Identifier</th>
</tr>
</thead>
</table>
REFERENCES


Sharkey:2006:IPT


Stanic:2017:IVS


Swami:2017:EEC


Stock:2012:UML


Sridharan:2017:BPP


Sukumaran-Rajam:2016:PMN


Santana:2004:LCF

Sankaranarayanan:2004:PBA


Sanchez:2013:MIP


Subramaniam:2013:UFC


Samih:2011:EPP


Shobaki:2013:PIS


Suresh:2015:IFM

[SSRS15] Arjun Suresh, Bharath Narasimha Swamy, Erven Rohou, and André Seznec. Intercepting functions for memoization: a case study using transcend-

**Skadron:2004:TAM**


**Stipic:2013:PGT**


**Sardashti:2016:YAC**


**Saidi:2012:OED**


**Salami:2005:DMI**


**Shifer:2013:LLA**


**Sardashti:2017:CCG**

Somayeh Sardashti and David A. Wood. Could compression be

**Sen:2017:PGE**


**Spink:2016:HAC**


**Shobaki:2009:OTS**


**Simon:2015:STH**


**Sato:2019:AFS**


**Seshadri:2015:MPC**


**Shihab:2018:RFD**

[Mustafa M. Shihab, Jie Zhang, Myoungsoo Jung, and Mahmut

Terdsteerasukdi:2012:URI


Tan:2006:BSS


Terechko:2007:ICC


Terechko:2016:BSC


Totoni:2013:EFE


Tomusk:2016:FME

Erik Tomusk, Christophe Dubach, and Michael O’boyle.


[TMK14] Venkata Kalyan Tawa, Ravi Kasha, and Madhu Mutyam. EFGR: an enhanced fine gran-

**Tampouratzis:2016:AIH**


**Tartara:2013:CLC**


**Tzilis:2019:EER**


**Tavana:2018:BCA**

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Wang:2016:HPC

Wang:2014:PSR

Wang:2015:BOM

Wang:2015:APM
Zheng Wang, Dominik Grewe, and Michael F. P. O’boyle. Automatic and portable mapping of data parallel programs to

**Wimmer:2013:MAV**


**Wei:2017:HHM**


**Wegiel:2009:SRC**


**Wang:2012:TMA**


**Wang:2019:PNW**


**Wu:2010:DEH**


**Wang:2013:MTD**

Chao Wang, Xi Li, Junneng Zhang, Xuehai Zhou, and Xiaoning Nie. MP-Tomasulo: a dependency-aware automatic

Wimmer:2010:AFD

Wu:2011:ATR

Wang:2019:GGC

Wang:2013:UML

Wang:2019:SSS

Wang:2013:WWA
Zhe Wang, Shuchang Shan, Ting Cao, Junli Gu, Yi Xu, Shuai Mu, Yuan Xie, and Daniel A. Jiménez. WADE: Writeback-aware dynamic cache management for NVM-based main memory system. ACM Transactions on Architecture and Code Optimization, 10
Wang:2014:IPD


Wang:2016:IB


Wang:2016:DMB


Wang:2013:RMM


Wang:2012:FSS


Wang:2011:PGS


Wang:2010:PAM

[WYJL10] Xiaohang Wang, Mei Yang, Yingtao Jiang, and Peng Liu. A power-aware mapping approach to map IP cores onto NoCs under bandwidth and latency constraints. *ACM Transactions on Architecture and
REFERENCES


Wu:2019:DPC


Xue:2006:LOA


Xiao:2013:SAT


Xiong:2016:MAS


Xiong:2017:PPP

REFERENCES

Xekalakis:2012:MSM


Xiao:2007:VIS


Xie:2004:IDV


Xu:2009:TXP


Yilmaz:2016:ARS


Yu:2019:ITL


Yviquel:2018:CPU

2018. CODEN ???? ISSN 1544-3566 (print), 1544-3973 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3226112&ftid=2001286\&dwn=1\&CFID=100488884\&CFTOKEN=8001fa53c1103ca2-D7EF9E77-A223-C65F-72CBA8F34782b01E

Yeh:2011:MPP

Ye:2017:CES

Yalcin:2014:EEC

Yan:2013:IPA

Yang:2017:EJV

Yang:2004:TML
Yu:2008:OCL

Yoon:2015:EDM

Yazdanbakhsh:2016:RRF

Yiapanis:2013:OSR

Yang:2012:CGC

Yang:2012:UOC

Yan:2008:EVR
Yang:2010:ERS


Zhao:2013:HPP


Zhao:2016:FMR


Zoni:2018:DEP


Zhao:2019:BLA


Zhao:2006:ATP


Zhao:2010:PPP

Qin Zhao, Ioana Cutcutache, and Weng-Fai Wong. PiPA:


REFERENCES


[Tao Zhang, Naifeng Jing, Kaiming Jiang, Wei Shu, MinYou Wu, and Xiaoyao Liang. Buddy SM: Sharing pipeline front-end for improved energy

**Zhang:2005:DIE**


**Zmily:2006:BAI**


**Zhao:2015:BSB**


**Zheng:2018:ESG**


**Zheng:2018:SSM**


**Zhang:2016:CPS**


**Zimmer:2015:NSM**


Zhang:2006:EAR


Zivanovic:2017:MMH


Zhai:2008:CHS


Zhao:2013:OGE


Ziabari:2016:UHB


Zhang:2005:WHC

Zhao:2005:IWA


Zhou:2019:SNS


Zhou:2016:ERI


Zheng:2017:WAD


Zhou:2016:CAE


Zhang:2019:PPB


Zhou:2010:PAT