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**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 [LCL+14].

000-core [DAKK19].

2014 [Aca16, Ano15].

4.0 [KHB+20].

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

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

CDPN16, GR15, HAM17, HAM19, JLJ+18a, LAS+13, LZM14, PT17, RMA14, SLJ+20, ZLYZ16, ZCQ+19, BBG13, BWLR06, BTS10, CG14, CK11, CD13, KCP13, LKL+13, OGR+12, RCV+12, SSK11, SD12, SB09, TC07, TDG13, VE13, YX+12.


[LCS+19, ZM15]. choices [VE13].

Chunking [MG20]. Circuit
[ZFT+18, DJX13]. circuit-architecture
[DJX13]. Circuits [KKW+15].

Circuits/Cores [KKW+15]. Citadel
[NRQ16a]. Class [AAI+16, PAVB15].

Classification [DRHK15, MCB+12].

SNN coalescing-lowering [SSU+13].

CMPs [NRQ16a].

Class [QYZ+16, LY16].

CNNs [JML+20].

Compilation
[DMR+16, LT19, LRBG15, PKPM19, RVKP19, SYE19, SN17, ZC+20, CI13, JK13, KHL+13, LBO14, LZYZ09, PC13]. Compile
[KTAE16]. Compile-Time [KTAE16].

compiled [NED+13]. Compiler
[AMP+16, ABP+17, CCD12, DZSL20, DMG13, EAH+20, EPS17, GGK18, HNKK17, HYAR+15, KPRK20, KPP+15, LFX09, MNC+16, MG12, NH16, NC15, PHBC17, ZSCM08, ZX16, CYXF13, DC07, HWM14, HLC10, JOA+09a, JOA+09b, KBR+13, KWM+08, LZL+13, LCH+04, TR13, YXY+12, ZHD+04].

Compiler-Assisted [HNKK17, PHBC17].

Compiler-based [KPRK20, ZHD+04].

Compiler-Directed [HYAR+15, LFX09]. compiler-guided [LZL+13].

Compiler-Oriented [GGK18].

Compiler-support [EAH+20].

Compiler/Runtime [KPP+15].

Compilers
[SHD15, vdVSAAS20, SLA+07].

Complexities [GHH15, ZBI+18].

Complexity [GG18, KAC15, CPP15, DZC+04, DZSL20, RPS06, SRLPV04].

complexity-effective [RPS06].

component [LGAZ07]. Comprehensive
[CP+15, HKA+19]. Compressed
[SSW16, DZC+13]. Compression
[BC13,
KPM17, LMSE18, PM17, SW17a, KGK10]. Compressive [WCI16].
Compression/Decompression [LMSE18].
Computations [CW17, MMF18, SW17a, KGK10].
KPM17, LMSE18, PM17, SW17a, KGK10].

Conventional [APG13].
Computationally [DZL17, LFC13].
Contextual [LVZ09].
Considerations [HMYZ15, MTK18, LM05].

Considering [AVG12, HP04]. Consistency [NZ15].

Constrained [LZM14, MSF07, NMKS06, ZK05].
Constraints [AEJE16, KCA13, WYJ10].

Construction [DPBI19]. Consumption [FDG17, LG12, LYY07, VED07, ZH04]. Contech [RHC15].

content [KS11], contention [CWCS13].
Context [EPS17, DMG13, LS10]. continual [JL14].

Continuous [TR13]. Control [AP17, BRJM15, HAC13, HHC16, SMKH16, SKH16, YRGES19, CWC06, FSYA09, IWP04, MBK12, TG07].

Control-Flow [SMKH15]. Controlled [ASS17, RCV05]. controller [AGI12].

Conventional [NRQ16b]. conversion [CS13]. Converting [HLC10]. convolution [FBWS13].

Convolutional [GG18, TDP15, ZFF18]. cooling [AVG12].

cooling-computing [AVG12]. Cooperation [TZK18]. Cooperative

Coordination [LDMZ19, ZDC16].
Cooprocessor [LDG13]. Corasick [CW13, PLL10].

Core [CHE14, CC18, FMY15, JIJ18a, LB13, PVS17, SPS17, SPH17, ZLYZ16, DAKK19, JYM20, LNLK13, OK12, PM12, ZGC12].

Cores [CAY18, DT17, HYYAM16, JS17, KKW15, MMS15, TCS20, TDO16b, ZCF18, GB06, NTG13, PCT12, SW13, WYJ10, WFKL10]. CoreUnfolding [APBR16].


Correction [DG114, CWMC16, LEC16, LSC15, LDC15].
Correctness [PD17], correlating [TK13].

coscheduling [PGB13].

Cost [KBB14, LPG16, SSW16, SKPD19, YEI14, AGI12, DC07, FBHN04, MA08].

COTS [RGG12].

Could [SW17a, ZPR17]. Counter [WCI16].

Counter-Based [WCI16]. Counters [NDP17, RLS13]. counting [RBM10].
coupled [PCT12]. covering [PJ13].

Covert [EPAG16].

CPU [BSSS14, LMCV13, PGB16, WLB19].

CPUs [BHC16].

Critical [EAH12, RGG12]. Criticality [FWJ16].

CRNS [AS13]. Cross

ERAG16, LGAZ07, LVR15, OTR18, SWF16, WAST16, ZLYZ16].

Cross-Architecture [SWF16].

Cross-component [LGZ07]. Cross-Layer

ERAG16, OTR18, WAST16].

Cross-Loop [LVR15]. Cross-Platform

ZLYZ16].

Crown [MKKE15].

cryptography [AS13]. CTA [LDMZ19].

CUDA [KBR13, NC15, VJC13, WG17].
cycle [DEE13, RLS13].
d [BSL17, CAY18, CWMC16, LPG16, NRQ16b, SZJK18, ZSLX13]. d-Packed

[BSL17].

D-Stacked [LPG16, NRQ16b].
DarkCache [GGFPRG12]. dark [PCT12].
DarkCache [ZCF18]. DASH [USCM16].
Data [ASH20, AMG16, CDPN16, DAKK19, EPS18, ESR+15, EAH+20, FXC+15, GAM12, HAM17, HAM19, HLSW17, JLJ+18a, KPM17, KHN+18, LWL18, ME15, ME17, MTK18, MNSC16, MGA+17, MGSH16, NKK16, PD17, RMA14, RTK15, SKH+16, SJL+20, TDP15, VFF+17, WGO15, WZG+19, YMM+15, ZLYW18, AVG12, BSWLE13, CS10, CA11, CDPD13, CWC06, FER+13, FLG12, HLR+13, HL07, LWH11, LJMG12, PC13, RB13, RDF13, STLM12, TG07]. Data-Driven [ME15, ME17, ASH20]. data-flow [PC13].
Data-Parallel [MGSH16, NHK16].
Data-Race-Free [MNSC16]. Data-Rate [EPS18]. Data-Traversal [RMA14].
Database [BAZ+19]. Datacenters [XVT20, ZFL18]. Dataflow [DT17, KPP+15, MJT+12, VTN13].
Datapath [IWP+04]. Datasets [WLWB19].
DawnCC [MGA+17]. DCMI [KFJ20].
DCNNs [ESB+20]. DDR4 [TKM14].
DDRNOC [EPS18]. Dead [MPPS18].
deallock-free [BRJSJG12]. debugging [VDS09]. decay [JSJ04, SS04].
Declarative [CZGC20]. decoders [Zha08].
Decoding [CAMJ15]. Decompression [LMSE18]. Deconstructing [CFH+12].
Decoupled [VPTS19, BZS13, DHC+13, RVOA08].
Decoupling [HAM17]. Deep [ASK+16, JLJ+18a, MJW19, RSK+18, XDML19].
Deeply [GKCE17]. DEFCAM [LCC11].
defect [LCC11], defect-tolerant [LCC11].
Defined [DMR+16, TGAG+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]. Dependence-Aware [DHD+14]. dependences [BCVT13].
Dependency [WLZ+13].
Dependency-Aware [WLZ+13].
dependent [YZL+10]. Deployments [vdVSAAS20].
depth [HP04]. Design [CKPH19, CPS+15, ESB+20, HJW15, KWM+08, RTK15, SJJK18, SPH+17, SL09, VHKP11, WLZ+10, BE13, CPP08, IMS+08, LB10, LCC11, LHZ13, VE13, ZK05].
Designing [BKJ13, BSWLE13, MGSH16].
Details [FMY+15]. Detecting [DSR15, KS11].
Detection [BDB+20, CEP+16, LHC+17, MNSC16, SLH+20, WCT+16, YEI+14, KLI+13, TBS06, TDG13, VHKP11, WTT04].
Deterministic [CCL+13, VSDL16, VW11].
Detonation [CAY+18].
Devices [TMK14, NMKS06, ZK05]. DFA [BC13]. Diagnosing [JLJ+18b]. diagnosis [BS07].
DiagSim [JLJ+18b].
Die-Stacked [CWM16]. die-stacking [ZSLX+13]. different [YXK+12]. dimension [RTG+07].
dimensional [LT19]. Direct [LLRC17, YRGE+19]. Direct-Mapped [LLRC17].
Directed [HYAR+15, VZS+18, LFX09, NED+13, SEP07, WM10].
directives [CXW+12]. Directories [PT17].
Dirty [LLRC17]. Dirty-Block [LLRC17].
discard [LWW12].
Discovering [YHYBAM20].
Discrete [ZSM+16].
DisIRer [HLC10]. Disjoint [SJA12]. Disk [LYK+15].
disparate [WLZ+10]. Dispatch [LLRC17].
dispatching [LZ12].
dissemination [LZYP09]. Distance [DAD16, GGGPRG12, KZ19, FER+13, FLT11]. Distance-aware [GGFPRG12].
Distance-Based [DAD16]. Distilling [JEBJ08].
Distinguished [Aca16, Ano15, Bil19, Ano13a].
[RFD13]. Distributed [KHS+14, KAC+18, TPN+20, XDXL19, ZPC06]. Divergence [LWL18, SMKH15]. Divergent [GR15].  
Diverse [LP17, SAL19], diversification [CDM13]. Diversity [TDO16b, KNBK12].  
Domain-specific [CZGC20]. Domains [SW17a]. DPCS [GBD+15]. DPM [GK13].  
Dragonfly [CVB15]. DRAM [CKPH19, CAGS17, HCC+14, JLCR13, LLRC17, LCL+14, NCQ14, OTR+18, TKM14, VPTS19, XHJY16]. DRAMCache [PG17]. DRAMs [LSC+15]. Drift [SZJ18]. Driven [ME15, ME17, PB15, ZWS+16, ASH20, CD1M3, FTG11, SL0P08, WFT04, XT09, ZCS06]. Dropping [GFD+14]. DSL [PB17]. DSSPs [VC17]. Dual [ESP18, WZG+19].  
eager [JLCR13]. early [JOA+09b, SLP08]. Easy [TDG13]. ECC [CCWMC16]. ECCs [ZWL+19]. ECS [SPM17]. Editorial [CT08]. EECache [CPS+15]. Effective [GMGZP14, HV06, KH18, PGB16, SSW16, SPS17, KHW+05, LWH11, RPS06, SBC05]. Effectiveness [JKR16]. Effects [DRHK15, MGI15, CK11]. Efficiency [AJK+12, CAMJ15, CSK19, HLSW17, LMSE18, LAAMJ15, OTR+18, OAM19, SL20, TCS16, ZJJ+15, BSWLE13, CWS06, RCG+10a, ZSLX13]. Efficient [AYC16, AEE+19, BC13, CC13, CPS+15, DDU12, DD16, GASA+16, GNB08, HAM19, HAC13, HEMK17, IMS+08, JYM20, KR19, KAC+18, KH18, KMG14, LWH11, LWS+19, LDC15, MCB+12, MG19, MKKE15, MAD17, NMK06, PS15, SYZ+14, SN17, TDP15, TTS19, WZG+19, YMM+15, ZPC06, ZHS+19, ZL18, ZZQ+05, APG13, ARS04, CW13, CW23, DAP+12, GHS12, GTC14, HWL18, JOA09a, KHW+05, LZY09, LMJ13a, LHZ13, Nas13, PPL10, RFD13, SPGE06, SHC13, SB09, TDG13, XCC+13, ZGC+12, FS1A09, SLA+07]. Efficiently [NRQ16a, PCT12, RHC15, ZWL+19].  
EFGR [TKM14]. Elastic [Per18]. Element [LVR+15]. elementary [LDC+13]. Eliminating [RCG+10b]. elimination [LJL12, VED07]. Embedded [GTT+16, GKCE17, KE15, KTAE16, CPP08, CDM13, GHS12, MP13, SHC13, SD12, XT09].  
Energy [AJK+12, AYC16, ASP17, CPS+15, DH16, GKE17, GFD+14, HMYZ15, JOA09a, 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, BSWLE13, CWS06, CWC13, FBWS13, GWS13, GKP14, LG12, LGZ07, LZY09, LM+13b, LH13, SPGE06, SHC13, TDG13.
ZHD+04, ZVYN05, ZGC+12, ZSLX13.

Energy- [SB09]. Energy-Efficient [AYC16, CPS+15, KAC+18, MKKE15, MAD17, SN17, TTS19, JOA+09a, CWCS13, LZZY09, LHZ13, SPGE06, SHC13, TGD13, ZGC+12].

Energy-Optimal [SW17b].

Energy-Performance [MTK18, ZCF18].

Energy-Propotional [DH16].

Enforcement [AHA+19, GWM07]. Engine [HHA+19, LP17, PB15, RMA14, WLZ+13, CW13]. Engines [MGI15, TBS06].

Enhance [GAM12]. Enhanced [TKM14].

enumeration [SWH09]. Envelope [RWF19]. Environment [KMG14].

Environments [KLA+19, RGG+12, WWW13]. EOLE [EPS17]. Era [GBD+15, LNLK13, PCT12].

Error [BB+20, DGI+14, CWM16, DSH+18, LSC+15, SPM17, TZZK18, YEI+14, CCL+13, LKL+13]. Error-Correcting [SPM17]. Error-Tolerant [DSH+18].

Errors [FJW+16, ZWS+16]. essence [JEBJ08].


Evaluation [BC13, CHE+14, FWJ+16, AvRF07, KWTDO9, LCC11, LAS+08, RGG+12, ZK05].

Evaluators [JSL13].

Evaluator [JSL13]. event [GWM07]. Evolving [VGX16].

Examining [ZWS+16]. exascale [DXM11]. ExaStencils [KL19]. exception [HWM14]. Exceptionization [YKM17].

Exclusivity [YDL+17].

Execution [ASP17, CC18, DT17, GGYK19, GMGZP14, HAC13, HEMK17, KS16, LDMZ19, MG19, ME15, MAD17, NZ15, PVA+17, PS15, SEF+19, SYE19, SGS+20, VSDL16, WLZ+13, ZK19, ZCCD16, ZLJ18, GB06, LZ12, LHZ13, SJA12, VTN13, XIC12, ZG05].

Executions [NDP17]. executor [JSL13].

exhaustive [KWTDO9]. Existing [YEI+14].

Expanding [YBSY19]. Expansion [PM17, ZLC+15]. explicit [STL12].

Exploit [AAI+16]. Exploiting [AVL13, ASK+16, HWW+15, JF19, KGK10, LHH+19, MA08, NKL16, YEE+14, YZ08, YZL+10, ZK16, LYYB07, PCT12, RLS13, SNL+04, JOA+09b]. Exploration [BK17+17, ESB+20, KL19, MNC+16, CPP08, IMS+08, KWTDO9, VHKP11, WLZ+10].

Explorations [BGG+15].

Exploring [C11, JK13, JOA+09b, MBK12, MK05, SKPD19, vDVSAA20, BE13, DJ13].

Exposing [CSK19]. Express [DJC16].


Extendable [CXW+12]. extended [SJ18].

Extending [DBH16, DSH+18, JED19, TCS20, VCJ+17].

Extension [ZC20, DCP12]. Extensions [KSH+14, KBB+14]. Extractor [DAP15].

Extreme [CAY+18, JLL+18a].

Extreme-Scale [CAY+18, JLL+18a].

Factorizations [AP17]. Facts [Mic16].

FaultAmp [BDB+15]. Failures [NR16].

Fair [LMC13]. Fairness [GWM07, LY16].

Falcon [CNS+16a]. false [BCVT13].

Fast [BC13, CCPG13, KCP13, KHH+05, MKKE15, NR16b, NTG13, PRM13, SZJK18, LMJ13a, SPGE06, TGD13].

Fast-Drift-Aware [SZJK18]. Faster [PCM16].

Fat [BRSG12, PRM13].

fat-trees [BRSG12]. Fault [CEP+16, PHBC17, RHLA14, RCV+05].

faults [BSO07, SSC+13]. FaultSim [NR16b].

Feature [TKM14, LBO14].

Features [YHYBAM20]. Federation [BTS10].

Feedback [CD13, NED+13, ZWS+16, WM10]. Feedback-directed [NED+13, WM10].

Feedback-Driven [ZWS+16, CD13].

Fence [MNSC16].

fetch [EE09, GWS13, JLER12, SRLPV04]. FFT [GS12].

File
Financial [ABB+16], Finding [PJ13], Fine [AZG17, BSSS14, EE11, HYIAM16, MG19, MPW+17, TKM14, WM11, YE1+14, LT13].

Fine-Grained [AZG17, HYIAM16].


FlexSig [OAB12]. Flextended [ZC20].


FSM [SQZK20]. FTL [HWJ+15]. Full [HHC+16, MMT+12, SWF16, TKKM15].

Full-System [SWF16]. Fully [HWJ+15, BRSJG12]. Function [SKPD19].


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

Future [GB06, MMS15, DMJ11, LMJ13a].

Gaming [QYZ+14]. gap [HCC+14].


GEMM [SLJ+19]. General [CAMJ15, SW17a, LHY+06].


Generator [KL19, PAVB15]. Generic [WMG19]. GenMatcher [WMG19].

Getting [MJW19]. Global [CCL+13, MPPS18, BZS13]. good [PJ13].

Governors [SW17b]. GP [LRBG15, MYG15, MYK16]. GP-GPUs [LRBG15]. GP-SIMD [MYK16].

GPGPU [BBG+15, HLSW17, MBKM12, YXX+12].

GPGPU [ZJ+15]. GPU [BJSW18, DS16, GGYK19, HLR+13, JED19, JGSM15, JML+20, KPRK20, KHN+18, LHC+17, LWS+19, LMZ18, LWL18, LDMZ19, LAAM15, LFK19, LFC13, QYZ+14, RB13, SEF+19, SNN+19, TBC+12, VC16, VZT+20, VZS+18, WGO15, ZSLX13, vdVSAAS20].

GPU-accelerated [JED19]. GPU-Based [WGO15, JML+20].

GPUs [ASH20, ASS17, CSK19, DS16, DNT16, FBWS13, JAK17, JKF20, KR19, LRBG15, NC15, SHLM14,
gradients [HAJ+12]. 
\textbf{Gradients} [FWJ+16]. 
Grain [AZG17, HYAM16, LME18, MAD17].

Grained [BSS14, MG19, MPW+17, TD16, YEI+14, EE11, KCP13, LT13, WM11].

\textbf{Granularity} [DRHK15, NRQ16a, TKM14].

Graph [CNS16a, KKA16, WZZ+20, YWXW12, ZLJ18, DS12, LFXXX9].

\textbf{Graphics} [CS10, HCC hardware/software [HAJ14, MMdS06].

\textbf{Gradient-based} [HAJ+12]. 
\textbf{Gradient} [HAJ+12].

\textbf{Hardware-Assisted} [CDPN16, JDZ+13].

\textbf{Hardware-Based} [ZLC+15, ZSM+16].

\textbf{Hardware/software} [CS10, HCC+14, MMDs06]. 
\textbf{Hash} [SBS16].

\textbf{Hash-Based} [SBS16]. 
\textbf{HAshCache} [PG17]. 
\textbf{HAWS} [GGYK19]. 
\textbf{HC} [CDPD13].

\textbf{HC-CART} [CDPD13]. 
\textbf{header} [VED07].

\textbf{Healthy} [JLJ+18b]. 
\textbf{heap} [WYYY+12].

\textbf{Heterogeneity} [PG17, SB09].

\textbf{Heterogeneity-Aware} [PG17].

\textbf{I-Cache} [ZLY17]. 
\textbf{I/O} [DCP+12, RHLA14]. 
\textbf{IATAC} [AGVO05].

\textbf{Identification} [WCI+16]. 
\textbf{Idiom}
Idle [SEF'19, WFKL10].

Kernel [DSK19, LP17, LDMZ19, SNN+19].

Kernels [VZT+20, WLLW20]. kilo [CSVMO4]. kilo-instruction [CSVMO4].

L1 [HK14, LZL+13]. L2 [AGVO05, CST+06, SLP08, SBC05].

L2-miss-driven [SLP08]. Lane [WWC+16].

Language [CNS16a]. Languages [DHD+14, YKM17, NED+13]. LAPPSS [KMEG18]. Large [NRQ16a, SKH+16, KWCL09, RCV+12, SMK10]. Large-Scale [SKH+16, RCV+12, SMK10]. Last [CBS+15, LMB13, PLK+19, WDX14, WJXCl7, AGI+12, AIVL13, VSP+12, ZDC+12].

Last-Level [CBS+15, LMB13, WDX14, WJXCl7, PLK+19, AGI+12, AIVL13, VSP+12, ZDC+12]. Latency [BAS+19, HAM17, HK14, KCA+13, PM17, MP13, SW13, WJYL10, 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].


Leakage [JKF20, HL07, MSK05]. Learning [ABP+17, JPS17, JLJ+18a, LSL20, MCW+12, RSK+S8, XDLX19, DJB13, LBO14, SPS12, TR13, WO13, WTFO14].

Learning-Based [JPS17]. Legacy [MNSC16]. legalization [AR13]. Less [ZPR+17]. Level [BGG+15, CHE+14, CPS+15, HNK17, HK14, JYE+16, LCS+19, LMZ18, LMB13, MGI15, PLT+15, RLBBN15, SWU+15, UDL20, WDX14, WJXCl7, AGI+12, AIVL13, BCVN10, EE09, GMW09, GPL+05, LCL+14, Lou19, PLK+19, PCT12, VSP+12, YBSY19, ZDC+12]. Level-1 [HK14].

Leveling [JDZ+13]. Levels [RJSA18, RCV+12, SLA+07]. Leveraging [GAM12, LMJ13a, NZ15, SHLM14].

Liberalization [MY16]. libraries [BCM11].


Locality [ASK+16, CG15a, KMEG18, SKH+16, SL20, YDS+19, ZCO+19, AIVL13, FER+13].

Locality-Aware [CG15a, KMEG18, SKH+16, SL20].


Locking [ZYY17]. Loop [ASP17, CZGC20, JK17, LVR+15, PHBC17, BCVT13, NCC13, SHLM14, SLMO12, YZW+10].

loop-dependent [YZL+10]. Loops [CNS+16b, CLA+19, KFJ20, SN17, SRC16, JSL13, KLM12, RTG+07]. Low [BGG+15, CMLJ15, DJL+12, ESB+20, GG18, GáSÁ+16, GDL16, KBB+14, LGBP+16, LGBP+16].

LCL+14, LHWB12, MA08, NCQ14, PLL10, PCT12, RLS13, SV05, SL09, TBC+12, TGAG+12, VDSP09, VED07, WKCS12, WWWL13, WSC+13, WLZ+10, YJTF13, YLTL04, YLW08, ZPC06, ZSLX13, ZDC+12.

Memory-access-aware [CLA+19].
Memory-centric [SJL+20]. Memory-Disk [LYK+15]. memory-efficient [PLL10].
Memory-level [EE09].
Memory-Reliability [NRQ16b].
Message-Passing [ZM15]. Meta [BJWS18].
Methodology [TCS16]. Metric [SNR+19, SPLS17, HYBAM20].
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 [GSZY20, BS07, RCG+10a]. Migration [JJL+18a, LTX16, WLL+19, LJM12, MSK+07]. Million [CAY+18]. MIMD [FSA+09, GSZY20]. MnGLE [GañA+16].
miniature [JEB08]. minimal [XL07].
MINIME [DS16]. MINIME-GPU [DS16].
misaligned [LHW11]. Mismatches [APBR16].
misprediction [GW08]. miss [SL08].

misses [CST+06, LS10, VHKP11, Zha08].
Mitigating [ZM15].
Mitigation [DZ+12]. mitigations [CCD12].
Mixed [ASH20, XIC12]. MLC [PM17, RJS18]. MLC/TLC [PM17].
Mobile [PLK+19, XZC+20, AvF07, TBC+12].
Mobile-cloud [XZC+20]. mode [SW13].
Model [CC18, DAKK19, ESR+15, GGS+17, NZ15, SRC16, WLLW20, XHJY17, YCA18, ZHB18, DCO7, MG13]. Model-Based [WLLW20].
Modeling [BEE15, KR19, LAS+13, SSS+13, AFD07, CA11, EE12, IMS+08, XMM04, SSS+04].
Models [CHE+14, FCD+17, GGS+19, GHH15, VFW16, XZC+20, LAS+08, XIC12].
Modern [HYYAM16, CCD12, JK13, KNB12].
Modification [GDL16]. Modify [RL15].
Modulo [LME18, KCP13]. Moldable [MKKE15].
Monitoring [LHC+17, LMM08, VDSP09, ZZQ+05].
MPSoCs [DNR+16, SL20]. MRAM [WXI5]. MRAM-Based [WXI5].
MSHRs [CA11]. Multi [CC18, FMY+15, FCM+17, GVT+17, JPS17, JML+20, KLA+19, LT19, LGP+16, PLK+19, PGB16, SPS17, TCS20, WZZ+20, ZC18, vdVSAAS20, CDPD13, GWS13, LFC13, PM12, RB13, RPE12, ZGC+12]. MultiAgent [JPS17].
Multi-Core [CC18, SPS17, PM12, ZGC+12].
Multi-Cores [ZC18]. Multi-CPU [PG16]. Multi-dimensional [LT19].

multicharacter [CW13]. Multicore [ASV+16, BHC+16, CC13, CG15a, CDPN16, DS16, DAKK19, HMYZ15, HEMK17, KE15, KK15, LAS+13, LMA+16, LYH16, PT17, PGB16, SLJ+18, SKH+16, SAL19, ZDC+16, CG14, CK11, CWCS13, DEE13, FBWS13, HWX+13, LMI+13b, LCL+14, LHZ13, RCG+10a, VE13, WFKL10, ZCW10].


multiprocessor [BBG13, GSZ10, LT13]. multiprocessors [CPS+15, LBM13, APG13, GPL+05, LAS+08, LM05, LPZH12, LMMM08, SMK10]. Multiprogram [EMR14]. Multithread [CG15a]. Multithreaded [AZG17, JYE+16, LYH16, DWDS13, GMIW19, NTG13, PGB13, RGG+12, RCG+10a, XIC12]. multithreading [EE09, GMW07].


Network-on-Chip [CEP+16, DJC16, EPS18]. Network-on-Chips [ZM15]. Networks [ACA+19, AMP+16, CVB15, GG18, GR15, MJW19, RKC+20, RSK+18, ZFF+18, BKA13, LWWH12, PRMH13, SMK10, SEP07]. networks-on-chip [LWW12].


NVRAM [ZLYW18].

DPBI+19, AVG12, AGVO05. Off-Chip [BKMP+17]. Off-the-Shelf [DPBI+19].
Offloading [HNNK17, MTK18, MGA+17]. offset [CZ07]. On-Chip
[VFW16, JPS17, SSH19, BKA13, CK11, EE11, LNLK13, SMK10, TGD13, XCC+13].
On-GPU [LWL18]. Out-of-the-fly
[WWY+12, VHKP11]. On/Off [ACA+19].
Online [BS007, CG15a, CEP+16, TTS19, WAST16]. onto [WYL10]. OoO [MAD17]. Open
[BGG+15, HKA+19]. Open-Source
[BGG+15]. OpenCL [RVPK19, WGO15].
OpenMP [CLA+19, PC13, YCA18].
OpenStream [PC13]. Operating [HK14].
Operations [BSL17, GGYK19, BL17]. opportunities [KMG10, XMM04]. Optical
[CWW+16]. Optional
[CH06, CBD15, GKI3, KCI+13, Mic16, SW17b, SW109, ZGP15, KCGK14, XC06]. optimised
[RWFJ19], optimising [LBO14].
Optimization [AYL+18, ABP+17, BSL17, CZGC20, DZSL20, DAP+15, FXC+15, GGS+17, GGS+19, JML+20, KTA+16, 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, KWT09, PJ13, SL12, SSS13, SLO9, VW11, ZFT+18, ZWHM05, ZCS06].
optimization-phase [KHW+05].
Optimizations [EPS17, JRK16, SHS+20, ZWS+16, LCH+04, LHY+06]. Optimize
[DBH16]. Optimized [PKPM19, GSI2].
Optimizer [LYK+15]. Optimizing [AP17, BJW+18, DGG16, HHC+16, PAVB15, RLBNN15, STL12, SLH+20, TN20, TDKM15, WDX15, YXW12, YRHBL13, ZSLX13, ZFF+18, YXX+12, WK09].
optimum [HP04]. Orchestrating [MG13].
Orchestration [GVT+17]. Order
[BE15, CAY+18, HYAM16, MAD17, PS15, SPH+17, TCS20, BB04, GGYK19, KWT09, SJA12, YJTF13]. order/out
[BB04]. Ordering [ABP+17]. organization
[ASK13, GGFPGR12]. Oriented [FWJ+16, GKK18, BSS+10, CXW+12, JML+20].
Orlando [ESB+20]. OS- [CRS+09].
Out-of-Order [HYAM16, MAD17, PS15, TCS20, GGYK19, BB04, SJA12].
overcoming [DZC+13]. overflow [CH06].
Overhead
[DSR15, GGD16, KRHK16, LHC+17, MP13].
overheads [BCM11, SU+13]. Overlapped
[ZC20]. overlay [JL12]. Overlong
[ZWL+19].

P [DDT+17]. Packed [BSL17]. packet
[LWWh2]. packing [NB13, SPGE16].
Page [WLL+19, WZG+19, LMJ13a].
Parallel
[ASK+16, ABB+16, DDT16, DDT+17, DHD+14, HAM19, HJW15, MCB+12, MPPS18, MGSH16, NKK16, PWPD19, RHC15, RLBNN15, SN17, TMP16, TPN+20, WLZ+13, WGO15, ZLJ18, CDPD13, JY+13, LM05, NCC13, SL12, VJ+13, ZBH+13].
Parallelism [CCM+16, CG15a, DHH18, GVT+17, HWJ+15, LM18, MGA+17, NKK16, SDH+15, YBSY19, ZX16, EE09, FLG12, PCT12, SLA+07, WFO14].
Parallelization
[BCM11, DDB19, GGS+17, GSYZ20, KPP+15, DC07, LT13, PK12, YRBL13].
Parallelizing [NKH16]. Parallelogram
[ZGP15]. Parameter [MG15]. parametric
[SL12]. Pareto [SW17b]. PARSEC
[CCM+16]. PARSECSs [CCM+16]. parser
[ZBH+13]. Parsing [PCM16, ZBH+13].
P ARTANS [LF13]. Partial [ZK16].
partially [GGFPGR12, JL12]. Partition
[WWC+16, WJX17, WO13]. partitioned
[RPS+06]. Partitioning
[CG15b, FLG12, LDMZ19, SBS16, SLJ+19, HAJ+12, LCL+14, ZDC+12]. Pass [SPS17].
Passing [ZM15]. PATCH [RB10]. Path
[ZX19, TS05]. paths [PS12]. pattern
[CGW+12, PRM13, WVS11].
pattern-oriented [CXW+12].

pattern-specific [PRMH13]. patternized [KCP13].


pending [CA11]. per-task [LMJ+13b]. Per-thread [DEE13, BTL10]. perceptron [TS05]. Perfect [BRJ15]. Performance [AEJE16, AYL+18, BEE15, FDF+14, GGS+19, GKB18, HMZ15, JGSM15, KR19, LMM18, LRY16, LY16, ME17, MTK18, MAD17, NDP17, Per18, RVOA08, RJSA18, SLJ+19, TCS16, TKM14, USCM16, WCT+16, WLWB19, XJH17, XFS+19, ZFT+18, ZYCZ10, ZC18, AFD12, ATGN+13, BSWE13, BTT10, CK11, CRSP09, CDM13, FBWS13, GW08, HP04, HL07, JED19, KBR+13, KLM12, KGK10, LM05, PGB12, RWY13, SR1P04, SD12, WKCS12, WZZ+20, XT09, YRGES+19, YCCY11, ZVY05]. Performance-aware [ZCZ10]. performance-driven [XT09].


Permutation-Based [ZX19]. Persistence [EAF+20, WZG+19]. Persistent [ZLY18].

Perspectives [PLT+15]. PGAS [KFG18, SACE16]. Phase [ABP+17, HASA16, JDZ+13, YMM+15, KHW+05, KWTD09, ZDC+12].


Port [WDX14, KGP14]. Portability [DFD+14]. Portable [Per18, RMA14, WGO15, KKB12].

positioning [ZWHM05]. Pot [VSDL16]. potential [FER+13]. POWAR [ACA+19]. Power [AEJE16, ACA+19, CAMJ15, DTD16, DD16, ESB+20, FCD+17, GsA+16, GBD+15, HYAR+15, HYARM16, HAC13, JGSM15, KH18, KMG14, LM05, LAS+13, LWF+16, L2M14, RWJ19, SEF+19, WYCC11, ZC18, AVG12, BB04, CCZ13, HP04, HL07, LYYB07, MP13, MSK05, PLK+19, SW13, SEPO7, WJYL0, XJ07, YCCY11].

Power-Aware [ACA+19, DTD16, SEPO7, WYJ10].

Power-Efficient [HAC13, KH18].


Power-performance [LM05].


pre [YCCY11, XC06]. pre-wakeup [YCCY11].

Preallocation [SSR13]. Precise [AFD07]. Precision [ASH20, CCA20, LDG+13].

Predicate [CPB14]. Predicate-aware
Runtime
[DBH16, DT17, ESB+20, KPP+15, LTG12, SSH19, TTS19, YAG+16, YRHBL13].

Runtime-Reconfigurable [DBH16].

Sabrewing [BWG+12]. Safe [YPT+16].


Scalability
[GVT+17, LMZ18, CWCS13, RVOA08].

Scalability-Aware [GVT+17]. Scalable
[ASK13, CNS+16b, KFJ20, MG19, Per18, SM19, SYE19, SGS+20, SLJ+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, RCV+12, SMK10]. Scaling [BHC+16, GBD+15, MKKE15, ZLC+15, XMM04]. SCALO [GVT+17]. Schedule
[GGS+17, GGS+19, LMSE18, SSW+19].

Scheduler
[TD16, USCM16, WZZ+20, CWCS13, KCP13]. Schedulers [KKAR16].

Scheduling
[AJE+16, ASV+16, DHD+14, LJM14, MKKE15, QYZ+14, SKPD19, XHJY16, BBG13, CPB14, CG14, EE12, MBKM12, SPGE06, SWH09, SSR13, TBC+12, XLO7, ZGC+12, ZYCZ10].

Scheme
[AAE+19, WPJ19, ZWL+19, BBG13, CCZ13]. schemes [KCKG14].

SCIN
[NTG13]. SCIN-cache [NTG13].

SCORE
[ZWL+19]. SCP [SLJ+19].

Scratchpad
[JAK17, RTK15, YBSY19, CS10, LFX09]. script [KBR+13]. script-based [KBR+13].

Seamlessly
[KNKB12]. Search
[HKA+19, KL19, ZX19]. searches [KHW+05]. SECRET [LSC+15]. Section
[DSR15]. Section-Based [DSR15]. Sector
[CAGS17]. Sectored [CAGS17]. secure [CRSP09, SSPL+13]. Security [SSH19].

Selecting
[BE13, TDO16b]. Selection
[MNC+16, SNN+19, ZGP15, MBY13]. Selections
[BAZ+19]. Selective
[GKY19, KMG14, LSC+15, WPJ19, LWJH12, MA08, VSP+12]. Self
[LLRC17, SAL19, BBG13]. Self-aware
[SAL19]. Self-Balancing [LLRC17]. self-scheduling [BBG13]. SelSMaP
[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, GSZ10]. Set
[KBB+14, AR13, HL07, KWL09, ZK06]. set-associative
[HL07, KWL09]. sets
[DDU12]. setups
[RPE12]. sFtree
[BRSJG12]. Shape
[MWJ19]. Shared
[DRHK15, GKP14, HMZ15, KE15, LBM13, PG17, SKAE16, SLJ+19, WJXC17, XHJY16, AGI+12, AIVL13, GGFP12, GSZ10, HLR+13, KGK10, LWB12, RGG+12, WM11, ZPC06]. shared-data
[HLR+13]. shared-memory
[ZPC06].

Shared-port
[GKP14]. Sharing
[GG18, JAK17, KLA+19, YDL+17, ZJJ+15, SK11].

Shelf
[DPBI+19]. Shifts
[KHB+20].

ShiftsReduce [KHB+20]. shotgun
[FBHN04]. showdown [SCEG08]. shuffler
[BVIB12]. Side
[AHA+19, BHC19, JF20, LFK19, BVIB12, DJL+12]. Side-Channel
[BHC19, JF20, LFK19, BVIB12].

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, LWJH12, MYG15, MYK16, RMA14, SMKH15, WWC+16, ZX19, ZX16].

Simplifying
[ZZB+19]. SIMPO
[ZLYW18].

SIMT
[CC18, LAAMJ15, TCS20]. SIMT-X
tables [CBP14]. TACO [Aca16, Ano15, Ano13a, Ano13b, Bil19].
TACOMA [AVG12]. Tactics [CZGC20].
TAFFO [CCCA20]. TAGE [Mic18].
TAGE-like [Mic18]. TaihuLight [AYL*18, ZFF*18].
taken [PS12, PS12].
Taming [SWU*15]. taming [ZBH*13].
target [LBJ05]. Targeting [KPRK20].
Targets [SL19]. Task
[CCM*16, DHD*14, GTT*16, KKR16, 
MPPS18, RHC15, SN17, SDH*15, ZCC*19, 
ZYY16, ZC14, LMJ*13b, VTN13, ZYCZ10].
Task-Parallel [DHD*14, MPPS18, SN17].
Task-stealing [ZCQ*19]. Tasks
[DT17, MKKE15, PVS*17, PWPD19, 
ZGC*12, PWPD19]. Technique
[HNKK17, PG16, XT09]. Techniques
[ATGN*13, DJC16, HAC13, VZS*18, 
YMM*15, MMdS06, MG12, RC*10a].
technologies [WLZ*10]. technology
[NED*13, RWY13]. Temperature
[SSS*04, MSF*07]. Temperature-aware
[SSS*04]. temperature-constrained
[MSF*07]. Template [HJW15]. Temporal
[TKJ13]. Temporal-based [TKJ13].
Tenant [FCD*17, KLA*19]. Tensor
[GGK18]. tenure [RBM10]. TEP [LP17].
test [SV05]. Tetris [XT09]. Tetris-XL
[XT09]. their [ZG05]. Theory
[YDL*17, YDS*19]. Thermal
[LMM08, CK11, WA08, ZCYZ10]. Thread
[CDP16, DSR15, LMZ18, LWL18, LYH16, 
MG15, PGB12, RC*10a, SF18, YBSY19].

[LZL+13, PLK+19, RYR15, WDX14].
STT-RAM [LZL+13, WDX14].
STT-RAM-based [PLK+19]. studies
[LB10]. Study
[CPS+15, SKAE16, SSRS15, MSF*07].
Studying [CBD15]. Sub [ABP*17].
Sub-sequences [ABP*17]. subranked
[CCZ13]. Subsetting [AJK*12]. substrings
[SV05]. Suite [CCM*16, DTC*17].
Sunway [AYL*18, ZFF*18].
Supercomputer [AYL*18, ZFF*18].
Superpages [WLL*19].
Superscalar [BEE15, MMS15, SRLP04]. Superscalars
[HYAR*15]. Supervised [AS17].
supplied [YZL*10]. Supply
[HAM17, HAM19].
support [KFEG18, ME15, SKAE16, ZZZ*19, 
CWC06, DMG13, EAH*20, LMJ*13b, 
SLA*07, ZSCH08, ZZZ*05]. Supposing
[WLL*19, SHC13]. Surrogate [GGS*19].
SW [KMG14, TS15]. SW/HW [TS15].
SW26010 [JYM20]. switch
[ASK13, BRSJG12, CPB*07, GW07, LS10].
switch-to-switch [BRSJG12].
SWITCHES [DT17]. switching [DMG13].
symbiosis [EE12]. Symbolic [ZLJ18].
SYmetric [PS12]. Symmetry
[GC17, ZDC*16]. Symmetry-Agnostic
[ZDC*16]. Synchronization [AK19, 
MNS16, SLJ*18, CCAG13, ZSCH08].
Synchronization-Aware [SLJ*18].
SynchroTrace [SLJ*18]. Synergistic
[VXG16]. Synthesis
[DJC16, GSC17, SSW+19, UDL20].
Synthesizer [DS16]. SYRAN [PS12].
System [AJK*12, CC18, HHC*16, 
LYK*15, LCS*19, MGS16, PLT*15, 
SBS16, SWF16, TKKM15, ZFT*18, 
CDP13, HCC*14, KBR*13, LWH11, 
SSPL*13, TBC*12, WSC*13]. System-
[PLT*15]. System-Level [LC*19].
Systematic [EMR14]. Systematically
[SLJ*18b]. Systems [CNS16a, CKPH19, 
FMY*15, GTT*16, HYYAM16, JED19, 
KE15, KTAJ16, KAC*18, KHN*18, 
LMA*16, LYH16, MMT*12, MKKE15, 
NRQ*16b, PLK*19, PG17, PBY*17, PGB16, 
SFS17, TMP16, TPN*20, TCS16, USCM16, 
WGO15, WLL*19, XHJY16, ZDC*16, 
ZSM*16, CPP08, CWCS13, DXMJ11, G13, 
GH02, HS06, HWH*11, KNBK12, KGK10, 
LMJ*13b, LCL*14, LHZ13, LHC13, 
LHWB12, MP13, NCQ14, YRHL13, 
ZVYN05, ZPC06, ZCW10, ZDC*12].
Thread-Aware [LYH16].
Thread-Data [LWL18]. Threshold [LMZ18, MGI15, YBSY19, GPL+05].
Thread-management [RGG10a].
Threaded [GVT+17].
Threaded [KS16, TCS20].
Threaded-Based [KS16].
Threads [BAZ+19, GB06, LZ12, ZSCM08].
Three [VFW16].
Throughput [EMR14, KCA+13, BKA13, BTS10, OGK+13, TBC+12].
throughput-oriented [BTS10].
throughput/watt [TBC+12]. Tiered [CWMC16].
Tile [MBY13].
Tiled [KPP+15, SYE19, ZCF18, CC13].
Tiled-MapReduce [CC13].
Tiles [ZC20].
Tiling [CC13, SHS+20, ZGP15, BCVT13].
Time [BC13, CEP+16, DPB+19, KE15, KTA16, Nas13, PKPM19, SEF+19, CDD12, GK13, KHL+13, LTG12, LMCV13, RGG+12, ZGC+12].
Time- [BC13, Nas13].
time-critical [RGG+12].
time-series [LTG12].
timekeeping [WM11].
timestamp [RLS13].
timestamp-based [RLS13].
Timing [JFK20, LAS+13, LFK19].
TL [ZGC+12].
TL-plane-based [ZGC+12].
TLB [JED19, LMJ13a, LB13].
TLBs [LB13].
TLC [PM17].
TLP [LMZ18, SNL+04].
Token [RB10].
token-counting [RB10].
tokens [ZFL18].
Tolerance [AAI+16, RCV+05].
Tolerant [DSH+18, HAM17, LCC11].
Tolerating [KWCL09, YLTL04].
Tomasulo [WLZ+13].
Tomography [MMT+12].
Tool [GL16, MPW+17, PD17].
Tools [BKM+17, ULDL20].
Topological [CVB15, KKM+13].
Topologies [DJC16, YRGS+19].
Topology [DHD+14].
Topology-Aware [DHD+14].
TornadoNoC [LNLK13].
Trace [HWM14, XDLX19, CWS06, HCC+14, SWH09].
trace-based [HWM14].
Traces [HEMK17, SLJ+18, TG07, ZG05].
Tracking [HWH+19, HCC+14].

[LLRC17, MMT+12, KHL+13, VTN13].
trade [AVG12].
trade-off [AVG12].
Tradeoffs [GPL+05].
Traffic [SLH+20, FQRG13, LYYB07].
Transquilizer [PGB12].
Transaction [ZCD16, SSU+13].
Transaction [DD16, LDC15, SSU+13].
Transcendental [SSR15].
Translator [HHC+16].
transformers [STLM12].
Transformations [BBB+20, CLA+19, JS13].
transformations [BCV10, RCG+10b, SL12].
transition [CW13].
transitioning [HWM14].
transitions [SW13].
Translation [HKL+19, JED19, LHW+19, TKK15, HWH+11, LWH11, LMJ13a].
Translator [SHY14, HLC10].
Translators [DGL16, GSH12].
Transparency [GKCE17].
Transparent [RVK19, ZHS+19].
Transport [ÄJE+16].
transpose [GS12].
transpose-free [GS12].
Traversal [RMA14].
Tree [ZC19, CDI13, PRM13].
Trees [JGSM15, BRSG12].
Triangular [BSL17].
Triggered [ÄJE+16].
Triple [LP17].
TRIPS [SLN+04].
TSV [NRQ16a].
Tumbler [PGB16].
Tunable [MSGH16].
Tuning [CG15a, JGSM15, JA14, MGI15, WG17, XFS+19, WKS12].
Turbo [KH18].
turn [AGVO05].
turn-off [AGVO05].
Two [CWMC16, JY+16].
Two-Level [JY+16].
Two-Tiered [CWMC16].
type [AR13, JML+20].
Types [PD17].

Ultra [ESB+20].
Ultra-Low-Power [ESB+20].
UMH [ZSM+16].
Understanding
[EPAG16, LS10, MMT+12, VE13].
Unified [TG07, ZSM+16, YXK+12, KRHK16].
Uniform [HK14].
Units [GG18, GáSÁ+16].
SEF+19, GÁSÁ+13, HVJ06, YCCY11].
unloading [ZK05]. Unreliable
[PRV17, SQZK20]. Unsynchronized
[DSR15]. UPC [SKAE16], update
[LZY09]. update-conscious [LZY09].
usage [VS11]. Use [SW17a]. Useful
[SAT20]. User [KKAR16], ZHS+19.
User-Assisted [KKAR16].
User-Transparent [ZHS+19]. uses [GB06].
Using [AZG17, AMP+16, ABP+17, BSL17,
BAZ+19, CCL+13, DAKK19, ESR+15,
FDD+14, GsÁ+16, GR15, HJW15, JGSM15,
KR19, Lou19, RLBBN15, SSH19, SYX+15,
SPS17, SPS12, SSH+20, SSH+13, SSSR15,
WO13, ZLYW18, ASK13, BZS13, CAMJ15,
DDU12, DWDS13, DXMLJ11, DJB13, EE11,
HVJ06, JSH09, JSM+04, KKM+13, LZM14,
MG13, RCV+12, SHLM14, SWH09, SSR13,
TTSS19, YRGES+19, YCCY11, YCA18,
ZHD+04, CST+06]. Utility [PB15].
Utility-Driven [PB15]. Utilization
[CAGS17, LWF+16, SKKB18, TZEK18,
VZS+18, YXW12, ZDCC16, XCC+13].
Utilizing [TBC+12, KCP13]. UVMs
[KRHK16].

V2 [DZSL20]. Value [EPS17, GAM12,
OAM19, YPT+16, CST+06]. Value-next
[OAM19]. variability [LYYB07]. Variable
[MY16, NB13]. variation
[CK11, PGB12, XL07]. variations
[KWCL09]. Vector
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