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**Title word cross-reference**

3 [CWMC16, LGP+16, NRQ16b, ZSLX13].  
3 [CCZ13]. Z [SLM12].  
-polytopes [SLM12].  
/channel [LCL+14].  
2014 [Aca16, Ano15].  
6 [KWM+08]. 64-bit [BWLR06, VED07].  
754 [LDG+13].

**A-DFA** [BC13]. Aborts [RLS15]. **ABS** [AGI+12]. Abstract [LMA+16].  
[Aca16, Ano13a, Ano15]. Across [FDF+14].
activations [JLCR13]. Active [KHS+14].
Adapt [DGI+14, PGB13]. adaptation
[DBJ13, LGAZ07, SS04]. Adapting
[GHH15, LB05]. Adaptive
[CG14, CWMC16, FQRG13, GFD+14,
HWX+13, JRK16, Lee16, LYH16, WCI+16,
WM11, AGI+12, MAN+08, SW13, ZK05].
Adaptivity [DRHK15]. Address
[SKAEG16, C2313, V080, ZPC06].
Addressing [WA08, CWCS13]. affine
[NCC13, SLM12]. Against
[ERAG+16, BVIB12]. Aggregate [LY16].
Aggregation [AY16]. Aggressiveness
[PB15]. Aging
[DGI+14, KKW+15, LRBG15].
Aging-Aware [LRBG15]. Agnostic
[ZDC+16]. agreement [GMW09]. Aho
[CW13, PLL10]. AIM [AY16]. Algorithm
[BC13, DGI+14, DTD16, BRSG12, CW13,
CDD13, HA1+12, PLL10, XC06, ZGC+12].
Algorithmic [AA1+16, NCC13].
algorithm [OGK+12, VTN13]. Allocation
[DHD+14, PS12, RTK15, BZS13, CS10,
GW09, RB13]. allocator [DH+13]. ALP
[SLA+07]. Analysis
[DSR15, GAM12, MMS06, VTN13, VGX16,
ARS04, AFD12, FE1+13, JOA+09b, Nas13,
SV05, SMK10, ZCW10]. analytic [XMM04].
Analytical [BEE15, AFD07, CA1].
Anomalies [LDC15]. Anticipating
[LJMG12]. API [CI13]. Application
[GTT+16, PLT+15, AS13, GAS+13,
RCV+12, SB09, TD15].
Application-Guided [GTT+16].
Application-Level [PLT+15].
Applications [DMR+16, DTD16, FW+16,
GR15, JY+16, NKH16, RHLA14, RMA14,
RLBB15, CS13, DWDS13, HLR+13,
KNBK12, MBKM12, STL12, SV05,
SLA+07, SLM12, YTL04, ZG05]. Applied
[LB10]. applying [ZWHM05]. Approach
[CNS+16b, emr14, FDF+14, KS16, TS15,
WAST16, ZX16, FT10, SSR13, WYJL10,
YJTF13, ZCS06]. approachable
[WHV+13]. Approximate [DS12, YPT+16].
approximation [LTG12]. Apps [PCM16].
Arbitrary [RHC15]. arbitration
[XCC+13]. Architecting [CPB+07].
Architectural [CP+15, DCP+12, ME15,
WAST16, IMS+08, SB09, ZQQ+05, CW06].
Architecture [IK14, SH14, SW16,
VC16, ARS04, BVIB12, BG+12, CPB+07,
DJS13, GKP14, GSZ10, JY+13, JA14,
LNK13, PM12, STL12, SNL04, SRLP04, SSPL+13, ZK06].
arbitrary-independent [BVIB12].
Architectures [AJ+16, ASK+16, CG15a,
CNP16, CDPN16, GR15, LAS+13, RMA14,
ZLYZ16, BB13, BWLR06, BTS10, CG14,
CK11, CDM13, KCP13, KL+13, OGD+12,
RCV+12, SK11, SD12, SB09, TC07,
TDG13, VE13, YXK+12]. Area
[LAS+13, SB09]. area-efficient [SB09].
ARI [FQRG13]. Arithmetic
[LVR+15, BWG+12]. ARM
[GD16, SHY14]. array
[BWLR06, KLM12]. Arrays [TD16].
Assembly [LVR+15]. assistance
[JOA+09a]. Assisted
[CDPN16, JDZ+13, KKR16, CST+06].
associative [H07, KW09].
associativity [YJTF13]. asymmetric
[CG14, CCP13, PCT12, SW13]. Attacks
[ERAG+16, BVIB12, CCD12, DJL+12].
Auto [CG15a]. Auto-Tuning [CG15a].
automata [VW11]. automatable [AFD07].
Automated [BSS14]. Automatic
[AMG16, JLR12, LBO14, LT13, NC15,
RB13, WLZ+13, WGO15, WM10, SPS12,
WKCS12]. Automotive [FW+16].
Autonomously [DGI+14]. Autotuning
[AMP+16, YAG+16, KBR+13, LFC13].
Aware
[DGI+14, CG15a, DTD16, DHD+14, LYH16,
LRBG15, SKH+16, USCM16, WLZ+13,
CG14, CWCS13, EE09, GGPFRG12, NB13,
SSS+04, SEP07, WYJL10, WSC+13,
WDXJ14, ZYCY10, ZDC+12, ZK06. awareness [LKL+13].

Bahurupi [PM12]. Balancing [PGR16, WWH+16]. Bandwidth [LG+16, ZCCD16, DZC+13, WYJL10, XCC+13]. bank [LCL+14], bank- [LCL+14], bank-/channel-level [LCL+14]. banked [AGI+12]. Based [AJ+16, CNS+16b, CG15a, CG15b, DSR15, DAD+15, FDF+14, GAM12, HYYAM16, KS16, LTX16, LY16, MNC+16, NC15, SBS16, WGO15, WDX15, WCI+16, WWC+16, XHJY16, ZLC+15, ZSM+16, AvRF07, BCVT13, CPF08, CW13, GZ13, HLR+13, HAJ+12, HWM14, HWX+13, JYJ+13, KBR+13, LBO14, LTD12, LCL+14, LHNB12, RLS13, SS04, TKJ13, WSC+13, WTFO14, ZHD+04, ZGC+12]. Bayesian [AMP+16]. behavior [AFD07, LS10].


bitwidth-aware [NB13]. Block [GFD+14, KTA16, LTX16, ZK06]. Block-aware [ZK06]. Blocks [HWJ+15, SYX+15]. Boltzmann [PAVB15].


BPM/BPM [LCL+14]. Branch [EPAG16, C207, HWH+11, Jim09, JSM+04, LB05, MG12, TS05]. branch-predictor [JSM+04]. branch-target [LB05].


Caches [CPS+15, GBD+15, SBS16, WDX14, AIVL13, DJL+12, HS06, HL07, KS11, KWCL09, LJMGM12, MSK05, SSS11, SSC+13, VSP+12, WDX14, WLZ+10, WM11, ZDC+12].


Characterizing [BCM11]. Checking
[KK15, BWLR06, MG13]. Checkpoint
[GW09, ARS04, CST*06].
checkpoint-assisted [CST*06].
checkpointing [DXMJ11]. Chip [CPS+15,
CEP+16, DJC16, LBMI3, VFW16, APG13,
BKA13, CK11, EE11, GSZI10, LWWH12,
LT13, LNKL13, LAS+08, LM05, LPZI12,
LMMM08, SMK10, TDG13, XCC+13].
Chips [ZM15]. choices [VE13]. circuit
[DJX13]. circuit-architecture [DJX13].
Circuits [KKW+15]. Circuits/Cores
[KKW+15]. Citadel [NRQ16a]. Class
[AAI+16, PAVB15]. Classification
[DRHK15, MCB+12, CDPD13, LMJ13a,
NCC13]. client [KWM+08]. Clock
[CCL+13]. cluster [TC07]. Clustered
[MMS15, ACGK04, SW13]. Clustering
[MNC+16, DS12, JLCR13, SB09].
Clustering-Based [MNC+16]. Clusters
[KHS+14, MMS15]. CMP
[CPB+07, LMVC13, SSK11, WM11]. CMPs
[LMJ13a, LY16]. co [DJX13, YLW08].
co-location [YLW08]. co-optimization
[DJX13]. coalescing [SSU+13].
coalescing-lowering [SSU+13]. Coarse
[TD16, KCP13]. Coarse-Grained
[TD16, KCP13]. COBAYN [AMP+16].
Code [CZ07, PAVB15, AvRF07, CDM13,
GNB08, HLR+13, HS06, JLER12, KBR+13,
LK+13, LB05, LLYZ09, LHY+06, PKC12,
RCG+10b, VJC+13, ZK05, ZWHM05].
code-positioning [ZWHM05]. Codelet
[DAP+15]. Codes
[CWMC16, AFD07, AFD12]. Codesign
[KCA+13]. Codesigned [KMG14].
Coherence [DRHK15, KAC15, MMD06,
SSH+13, VHKP11]. coherent [APG13].
collaborative [FT10]. collapse [CWCS13].
Collection [ASV+16]. Collective [FT10].
collector [WK09]. colocated [DWDS13].
Coloring [YXW12, LFX09].
combinatorial [SSR13]. combined
[BWG+12]. Combining [VSP+12].
Commodity [WDX15]. common [WK09].
Communication
[DSR15, HWX+13, SSPL+13, TC07].
communications [ACGK04]. compact
[SHC13]. compaction [WK09].
Comparability [YWXW12]. Comparative
[AS+08]. Comparators [YEI+14].
comparison [FBWS13]. Compilation
[DMR+16, LRGB15, C13, JK13, KHL+13,
LBO14, LZY09, PC13]. Compile
[KTAE16]. Compile-Time [KTAE16].
compiled [NED+13]. Compiler
[AMP+16, CCD12, DMSG13, HYAR+15,
KPP+15, LFX09, MNC+16, MG12, NCH16,
NC15, ZSCM08, ZX16, CYXF13, DC07,
HWM14, HLC10, JOA+09a, JOA+09b,
KBR+13, KWM+08, LYL+13, LCH+04,
TR13, YXK+12, ZHD+04]. compiler-based
[ZHD+04]. Compiler-Directed
[HYAR+15, LFX09]. compiler-guided
[LZL+13]. Compiler/Runtime [KPP+15].
compilers [CDM13, HEL+09, SD12].
Complex [SHD15, SLA+07]. Complexities
[GH15, ZBH+13]. Complexity [KAC15,
CPP08, DJL+12, RPS06, SRLPV04].
complexity-effective [RPS06].
component [LGA07]. Comprehensive
[CPS+15]. Compressed [SSW16, DZC+13].
Compression [BC13, KGK10].
Compressive [WCI+16]. Computation
[CWW+16, DDU12, LFC13].
Computations [PAV15, CYXF13].
Computing
[KHS+14, TCS16, ZLC+15, AVG12, LM05].
conceived [APG13]. Concurrency
[AAI+16, GMGZP14]. Concurrent
[PCM16]. conditionals [JSL13].
Configurable [NRQ16b, HVJ06, LYL+13].
conflicts [TGAG12]. connected
[BRSJG12]. conscious [LZY09].
Conserving [LYYB07]. Considerations
[HMYZ15, LM05]. considering
[AVG12, HP04]. Consistency [NZ15].
constrained [MSF+07, NMKS06, ZK05].
Constraints [AEJE16, KCA+13, WYJL10].

Consumption [GFD+14, LTG12, LYYB07, VED07, ZHD+04]. Contech [RHC15].

content [KS11], contention [CWCS13].

context [DMG13, LS10], continual [JA14].

Continuous [TR13]. Control [BRJM15, HAC13, HHC+16, SMKH15, SKH+16, CW06, FSYA09, IWP+04, MBKM12, TG07]. Control-Flow [SMKH15]. controlled [RCV+05].


Convolutional [TDP15], cooling [AVG12]. cooling-computing [AVG12].

Cooperative [DNT16, JDZ+13, LB13, SHLM14].

Coordinated [ZDC+16]. coprocessor [LDG+13].

Corasick [CW13, PLL10]. Core [CHE+14, FMY+15, LB13, ZLYZ16, LNLK13, OGG+12, PM12, ZGC+12].

Cores [HYYAM16, MMS15, TDO16b, GB06, NTG13, PCT12, SW13, WYJL10, WFKL10].

CoreUnfolding [APBR16]. Correction [DGI+14, CWM16, Lee16, LSC+15, LDC15].

correlating [TKJ13], coscheduling [PGB13]. Cost [LGP+16, SSW16, YEI+14, AGI+12, DC07, FBH04, MA08].

COTS [RGG+12]. Counter [WCT16].

Counter-Based [WCI+16], counters [RLS13], counting [RB10], coupled [PCT12], covering [PJ13], Covert [EPAG16].

CPU [BSS14, LMCV13, PGB16]. CPUs [BH+16].

critical [RGG+12]. Criticality [FWJ+16].


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

D [CWM16, LGP+16, NRQ16b, ZSLX13].

D-Stacked [LGP+16, NRQ16b]. DAPSCO [GFDG12].

dark [PCT12], DASH [USCM16].

Data [AM16, CDP16, ESR+15, FXY+15, GAM12, ME15, MNSC16, MGSH16, NKH16, RMA14, RTK15, SKH+16, TDP15, WGO15, YMM+15, AVG12, BSWLE13, CS10, CA11, CDP13, CW06, FER+13, FLG12, HLR+13, HL07, LW11, LJ12, PC13, RB13, RF13, STL12, TG07].

Data-Driven [ME15], data-flow [PC13].

Data-Parallel [MGSH16, NKH16].

Data-Race-Free [MN16].

Data-Traversals [RAM14].

Dataflow [KPP+15, MMT+12, VTN13]. Datapath [IWP+04].

Deadline [USCM16].

Deadline-Aware [USCM16].

deadlock [BR12], deadlock-free [BR12].

debugging [VDS09], decay [JSM+04, SS04].

Decoders [Zha08].

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

decoupled [BZ13, DHC+13, RVOA08].

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DEFIT [CC1], defect [LC1].

defect-tolerant [LCC1].

Defined [DMR+16, TGA+12].

DeFT [VHP11]. Delta [DZC+13].

Delta-compressed [DZC+13]. Demand [BRJM15].

Dense [CWW+16].

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

Dependence-Aware [DHD+14].

dependences [BCVT13].

Dependency [WLZ+13].

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dependent [YZL+10], depth [HP04].

Design [CPS+15, HJ15, KM+08, RTK15, SL09, VIK11, WLZ+10, BE13, CPP08, IMS+08, LB10, LCC11, LH13, VE13, ZK05].

Designing [BA13, BSWLE13, MGSH16].

Details [FM+15]. Detecting
Detection Directed [HYAR GBG11, FSYA09, GAM12, GDL16, SEP07, WM10].

drivers [HLC10].

different [YXX+12]. dimension [RTG+07].

Direct [HYAR+15, LFX09, NED+13, SEP07, WM10]. directives [CXW+12].
discard [LWWH12].

DisliRer [HLC10]. Disjoint [SJA12]. Disk [LYK+15]. disparate [WLZ+10].
dispersing [LZ12]. dissemination [LYZ+09]. Distance
[DDAD16, GGFPR12, FER+13, FTGL11].

Distance-aware [GGFPR12].

Distance-Based [DDAD16]. Distilling [JEBJ08]. Distinguished
[Aca16, Ano15, Ano13]. distribute
[RFD13]. Distributed [KHS+14, ZPC06].

Divergence [SMKH15]. Divergent [GR15].
diversification [CDM13]. Diversity [TD016b, KNBK12]. DJ [DDU12].

DJ-graphs [DDU12]. DLP [SNL+04].

Doesn’t [LKV12]. Domain
[GaSA+16, GSAA13]. DPCs [GBD+15].

DPM [GK13]. Directedly
[CVB15].

DRAM [HCC+14, JLCR13, LCL+14, TKM14, XHJY16]. DRAMS [LSC+15].

Driven [ME15, PB15, ZWS’16, CDM13, FTGL11, SLP08, WFT14, XT09, ZCS06].

Dropping [GFD’14]. duplication
[KS11, LKL+13]. DVFS [EE11, GK13].

Dynamic
[BC+16, DGGL16, DD16, DJB13, FER+13, FTGL11, FSYA09, GAM12, GDL16, GBD+15, KE15, KPP+15, KMG14, KKK16, LKL+13, Lee16, LPZI12, LTX16, RHC15, SV05, SHD15, WWH+16, XHHJ16, BBG13, DWDS13, GHS12, HS06, HWH+11, HV06, JSH09, LWH11, LJMG12, LCL+14, MGI12, NED+13, WSC+13, XMM04, ZZQ+05].

Dynamically [LZ12, PGB12, KS11].

eager [JLCR13]. early [JOA+09b, SLP08].

Easy [TDG13]. ECC [CWMC16].

Editorial [CT08]. EECache [CP+15].

Effective [GMGZP14, HVJ06, PGB16, SSW16, KWH+05, LWLH11, RPS06, SBC05].

Effectiveness [JR16]. Effects
[DRHK15, MGI15, CK11]. Efficiency
[AJK+12, CAMJ15, LAAMJ15, TCS16, ZJI+15, BSWLE13, CWS06, RCG+10a, ZSLX13]. Efficient [AYC16, BC13, CC13, CPS+15, DDU12, DD16, GaSA+16, GNB08, HAC13, IMS+08, KMG14, LWH11, LDC15, MCB+12, MKKE15, NMKS06, PS15, TDP15, YMM+15, ZPC06, ZZQ+05, AP13, ARS04, CW13, CWC13, DCP+12, GW08, JSL13, JOA+09a, KWH+05, LZZY09, LJM13a, LHZ13, Nas13, PLL10, RFD13, SPGE06, SHC13, SB09, TDG13, XCC+13, ZGC+12, FSYA09, SLA+07]. Efficiently
[NRQ16a, PCT12, RHC15]. EFR
[TKM14]. Element [LVR+15]. elementary
[LDG+13]. Eliminating [RCG+10b].

elimination [JLR12, VED07]. Embedded
[GT+16, KE15, KTA16, CPP08, CDM13, GHS12, MP13, SHC13, SD12, XT09].

embedding [KKM+13]. emergencies
[RCG+10b]. emerging [DXM+11, XCC+13].

empirical [AvR07]. Emulation
[NZ15, TKKM15]. Emulators
[HHC+16, TTKM15]. Enabling
[BGG+15, SSKA16]. Encoding [TDP15].

End [ZJ+15]. Endurance [WDXJ14].

Endurance-aware [WDXJ14]. Energy
[AJK+12, AYC16, CPS+15, DH16, GFD+14, HMYZ15, JOA+09a, LSC+15, LMA+16, MCB+12, MKKE15, RIK15, SB09, TCS16, ZJI+15, AVG12, BSWLE13, CWS06, CWC13, FBWS13, GWS13, GKP14, LGT12, LGZ07, LZY09, LMM+13b, LHZ13, SPGE06, SHC13, TDG13, ZHD+04, ZVY05, ZGC+12, ZSLX13]. Energy-
Energy-Efficient [AYC16, CPS+15, MKKE15, JOA+09a, CWCS13, LZY+09, LHZ+13, SPGE+06, SHC+13, TDG+13, ZGC+12].

Energy-Proportional [DH16].

Enhanced [TKM14].

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Engines [MG15, TBS06].

Evaluator [JSL13].

Explicit [AIVL13, CS13].

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Execution [GMGZ+14, HAC13, KS+16, ME15, NZ15, PS+15, VSDL16, LW+13, ZCC+16, GB+06, LZ+12, LHZ+13, SJA+12, VTN+13, XIC+12, ZG+05].

Evaluator-executor [JS13].

Evolved [STLM12].

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Existing [JY+14].

Expansion [ZC+15].

Explicit [STLM12].

Exploit [AA+16].

Exploiting [AIVL13, AS+16, HJ+15, KGK+10, MA08, NKKH+16, Y+14, YZ08, YZL+10, ZX+16, LYB+07, PCT+12, RL+13, SNL+04, JOA+09b].

Exploration [MNC+16, CPP+08, IMs+08, KWT+09, VHP+11, WLZ+10].

Explorations [BG+15].

Exploring [C+11, JK13, JOA+09a, MBK+12, MSK+05, BE13, DJX+13].

Express [DJC+16].

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fat-trees [BRJ+12].

Fault [CEP+16, RHL+14, RCV+05].

faults [BS+07, SSC+13].

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Feature [TKM+14, LO+14].

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Feedback-Driven [ZWS+16, CDM+13].

Fence [MNS+16].

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FFT [GS+12].

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Fine [BSS+14, EE+11, HYY+16, TKM+14, WM+11, YEI+14, LT+13].

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Flexible [CC+13, OAB+12, SHC+13, ZZ+05].

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Flow [BRJ+15, CWW+16, DMR+16, GAM+12, HAC+13, LY+16, MMT+12, SMK+15, FSYA+09, JA+14, KHL+13, MBK+12, Nas+13, PC+13, TG+07].

Flow-Based [LY+16].

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fly [VHP+11, WWY+12].

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Formulating [MA+08].

Four [TDO+16a].

FPGA [CS+13, CWW+16, CDP+13].

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FPGAs
fractal-based [JYJ+13]. frame [GK13].

frame-based [GK13]. Framework [AMP+16, GGT+16, GÅSÅ+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 [MN16, MP16, BRSJG12, GS12].

Frequency [BHC+15, myg16]. friendly [CRSP09].

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

[HCC+16, MMT+12, SWF16, TKKM15].

Full-System [SWF16]. Fully

[HCC+16, MMT+12, SWF16, TKKM15].

Fundamental [VE13]. fusing [WM10].

Future [GB06, MMS15, DMJX11, LMJ13a].

gap [HCC+14]. Garbage [AV+16].

Gating [KMG14, WYCC11, YCCY11].

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GP-GPU [BBG*13, MBK+12, YXK+12]. GP-GPUs [ZJJ+15].

GPU

[DS16, HLR+13, JGSM15, LAAMJ15, LFC13, RB13, TBC+12, VC16, WGO15, ZSLX13].

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GPUs [DS16, DNT16, FBWS13, LRBG15, NC15, SHLM14, WYCC11, ZSM+16]. gradient [HAI+12]. gradient-based [HAI+12].

Gradients [FWJ+16]. Grain [HYXH16].

Grained [BSSS14, TD16, YEB+14, EE11, KCP13, LT13, WM11].

Granularity [DRHK15, NRQ16a, TCM14].

Graph

[HCC+16, KKA+16, YXW+12, DS12, LFX09]. graphics [FSYA9, ZSLX13].

Graphs [BRJM15, Lee16, RHC15, VGVX16, BZS13, DDU12, MG13]. gshare [TS05].

Guarded [PS15]. Guided [GTT+16, CS13, LKZ+13, RCG+10b, SSU+13].

Hadoop [KHS+14]. halting [ZVYN05].

Hamming [CVB15]. handling

[HWM14, HWH+11, LWH11]. hard [BS007]. Hardware

[BGG+15, CDPN16, DDD+16, JDC+13, KAC15, LMM+13b, RHLA14, SKAEG16, SWF16, TGAG+12, USCM16, WICI+16, ZLC+15, ZSM+16, ATGN+13, CS10, CI13, FSYA9, GNB08, HCC+14, MMD+06, OAB12, RLS13, RPE12, YJTF13, ZSM+08].

Hardware-Assisted [SWF16].

Hardware-Assisted [CDPN16, JDC+13].

Hardware-Based [ZLC+15, ZSM+16].

hardware/software

[CS10, HCC+14, MMD+06]. Hash [SBS16].

Hash-Based [SBS16]. HC [CDPN16].

HC-CART [CDPD16]. header [VET07].

heap [WWY+12]. heterogeneity [SB09].

Heterogeneous

[AEJ+16, ASV+16, CNS16a, CWW+16, DMR+16, FDF+14, GGT+16, GHK15, HMYZ15, KRHK16, TDO16a, TDO16b, USCM16, WGO15, BBG13, KNB12, LHZ13, PM12, TGD13, VE13, WFKL10].

Heuristics [MKKE15, TR13]. hide

[CST+06]. Hiding [GW08]. Hierarchical

[ASK+16, CDPN16, ZGP15, SW13].

Hierarchies [SKH+16, DJX13]. Hierarchy

[AYC16, ZDC+16, ZSM+16].

High

[CHE+14, CAMJ15, SWU+15, TKM14, USCM16, ASK13, BCVN10, CK11, CDM13, GW08, KBR+13, OKE+12, SRLV04, SD12, ZVYN05].

High-Efficiency [CAMJ15]. High-Level

[CHE+14, BCVN10]. High-Performance

[TKM14, USCM16, CK11, CDM13, GW08, KBR+13, SRLV04, SD12, ZVYN05].


Hybrid [AR13, CA11, DXM11, HWJ+15, JYE+16, CS13, DZC+13, HCC+14, MMdS06, RBM10, WLZ+10].

I/O [DCP+12, RHLA14]. IATAC [AGV005]. Identification [WCI+16].


Implementation [BGG+15, CDPD13, LH213, PLL10, SSS+04, ZK05, AvRF07]. Implementing [CWW+16, JSM+04, MAN+08, OAB12].

Implications [CBBV15, HYX16, KAC15, LS10]. Implicit [BWL06]. improve [ATGN+13, BSLVE13, KLG10, LBJ05, L3+12, MG12, RWY13, SPS12]. Improved [BCV13, GMGZ14, NB13, ZZ15].

Improvements [LB11]. Improving [AJJ+12, CG15, HWJ+15, KLMP12, LGP+16, LHY16, LAAM15, ZWHM05].


indexing [TS05]. Indirect [GG16, HW+11, MG12]. Indirections [AFD07, AFD12]. Industrial [GH15].

Infer [HJW15]. inference [LB10].


Integrity [KK15]. intelligent [TBC+12].

Intensity [LV+15]. Intensive [RHLA14, YTL04]. Inter [LB13, TC07]. Inter-cluster [TC07]. Inter-Core [LB13].


Interferences [LCL+14]. Interleaved [AMG16]. Interleaving [WCC+16].

Internal [HWJ+15]. Internet [AVG12]. interpreter [RWY13]. interprocedural [AV05]. interval [AV05]. Intraprogram [XMM04]. Intrinsic [IRK16]. Introduction [CT04, CT05, CT06, CT07, SD12].

Intrusion [TBS06]. IOV [DCP+12]. IP [WYL10]. Irregular [RMA14, AFD12]. ISA [CG14, SHC13, VE13]. ISAs [PS15].

Isolation [LDC15]. Issue [DD16, MMS15, BB04, CDM13, GWS13, PI12, SD12].

Iteration [WCC+16]. Iterative [CNS+14, FX15, CFH+12].


Kilo [CSVM04]. Kilo-instruction [CSVM04].

L1 [KH14, LZL+13]. L2 [AGV005, CST+06, SLP08, SBC05].

L2-miss-driven [SLP08]. Lane [WCC+16].
Manycore
[KS16, LAS+13, MKKE15, BTS10].

Mapping [CDP16, DWDS13, DJA16, MKKE15, SKAE16, WGO15, YMM+15, CCZ13, WYJL10, WTO14].

MapReduce [CC13].

Massively [MJC+12, RLBBN15].

Measuring [AJK15].

Memory [GHH15, GMGZP14, GHS12, HH+16, HASA16, JDZ+13, LYK+15, LGM+16, MYG15, MYK16, NRQL16a, NRQL16b, NZ15, RLBBN15, SMKH15, TKKM15, USC16, WWH+16, XHYJ16, ZLC+15, ZDC+16, ZSM+16, AFDP12, ATGN+13, CS10, CCZ13, DRC+13, DJX13, DZC+13, FQRG13, GPL+05, JSH09, JSM+04, KGY10, KCGK14, LAS+08, LGAY07, LFX09, LCL+14, LHWB12, MAA08, PLL10, PCT12, RL13, SV05, SL09, TBC+12, VAS12, VD09, VEO07, WKCS12, WWKL13, WSC+13, WZL10, YJFT13, YLTL04, YLL08, ZPC06, ZSLX13, ZDC+12].

Memory-Disk [LYK15].

Memory-efficient [PLL10].

Memory-level [EE09].

Memory-Reliability [NRQ16b].

MemTracker [VD09]. merge [DDA12].

Merging [TS05, SSU+13]. Message [ZM15].

Message-Passing [ZM15].

Metamorphoses [LT13].

Methods [KTA16, CWCS13, SHC13].

Methodology [TCS16].

Microarchitectures [ACGK04].

Microarchitectures [ACGK04].

Microarchitectural [FMY15].

Microarchitecture [ZS15, ASK13, HS05, SE04, SS+04].

Microarchitectures [ACGK04].

Microbenchmarking [FMY15].

Microprocessor [KCA+13, BE13, YCY11].

Microprocessors [BS07, RCG+10a].

Migration [LTX16, LMG12, MSF+07].

MIMD [FSYA09].

MinGle [GäSÁ+16].

Miniaturized [JE10]. minimal [XL07].

MINIME [DS16]. MINIME-GPU [DS16].

Minimization [CH06, SSR13]. mining [CDD13].

Minos [CWC06].

MIPS [SHD15].

Misaligned [LWH11].

Mismatches [APBR16].

Misprediction [GW08].

Miss [SLF08]. misses [CST+06, LS10, VHP11, ZHA08].

Mitigating [APAG16, SYX+15, LCL+14].

Mitigation [DJA+12]. mitigations [CDD12].

Mixed [XIC12]. Mobile [AVR07, TBC+12]. mode [SW13].

Model [ESR+15, NZ15, SRC16, DC07, MG13].

Modeling [BEE15, LAS+13, SSC+13, AFDP07, CA11, EE12, IMS+08, XM04, SS+04].

Models [CHE+14, GHH15, VFW16, LAS+08, XIC12].

Modern [HYYAM16, CDD12, JK13, KNNB12].

Modification [GDL16].

Modify [RLS15].

Modulo [KCP13].

Moldable [MKKE15].

Monitoring [LMM08, VAS12, ZZQ+05].

Monopolizable [DJA+12].

Most [PLT+15].

Movement [ESR+15].

MP [WLZ+13].

MP-Thomasulo [WLZ+13].

MPI [HZH+13, MP13].

MPSoCs [DMR+16].
MRAM [WDX15], MRAM-Based [WDX15], MSHRs [CA11], Multi [FMY+15, LGP+16, PGB16, CDPD13, GWS13, LFC13, PM12, RB13, RPE12, ZGC+12], Multi-[FMY+15], multi-core [PM12, ZGC+12], Multi-CPU [PGB16], multi-FPGA [CDPD13], multi-GPU [LFC13, RB13], multi-issue [GWS13], Multi-Layer [LG+16], multi-server [RPE12], Multibank [CG15b], multicharacter [CW13], Multicores [HK14, PB15, TDO16a, MSF+07], multidimensional [RTG+07], Multilevel [XHJY16, YMM+15, JK13, TKJ13], multimedia [SV05], multiobjective [CPP08], multiplatform [HLC10], Multiple [ZSM+16, GB06, HVJ06, RCV+12], Multiplication [YAG+16], multiprocessor [BBG13, GSZI10, LT13], Multiprocessors [CPS+15, LBM13, APG13, GPL+05, LAS+08, LM05, LPZI12, LMM08, SMK10], Multiprogram [EMR14], Multisocket [CG15a], Multithreaded [JYE+16, LYH16, DWDS13, GMW09, NTG13, PGB13, RGG+12, RCG+10a, XIC12], multithreading [EE09, GWM07].

NAND [DGI+14], Nanoscale [GBD+15], native [RPE12], Near [HK14, KCA+13, KCKG14, RPE12], Near-Optimal [KCA+13, KCKG14], Near-Threshold [HK14], nest [SLM12], Nested [MGSH16, KLMP12], nests [NCC13], Network [CEP+16, DJC16, TDP15, VFW16, ZCCD16, ZM15, ASK13, LNLK13, LYYB07].

Network-on-Chip [CEP+16, DJC16], Network-on-Chips [ZM15], Networks [AMP+16, CVB15, GR15, BKA13, LWZH12, PRMH13, SMK10, SEP07], networks-on-chip [LWZH12], Neural [GR15, TD15, Jim09], no [HL07], NoC [HW+13], NoC-based [HW+13], NoCMsg [ZM15], NoCs [WYJL10], Noise [AA+16], Non [DJL+12, HK14, BZS13, WDXJ14], Non-monopolizable [DJL+12], non-SSA [BZS13], Non-Uniform [HK14], non-volatile [WDXJ14], Nonlinear [SRC16], nonuniformity [WA08], nonvolatile [DXM+11, DJX13], Not-taken [PS12], novel [CCZ13], NUCA [GFD+14, HK14, LM+12], NUCA-L1 [HK14], NVM [WSC+13], NVM-based [WSC+13].

O [DCP+12, RH+14], Object [YLM08, TDG13, VED07, WM10], objects [WY+12], oblivious [CYXF13], Obstruction [WDX14], Occurring [LTX16], ODE [HLR+13], ODE-based [HLR+13], off [AVG12, AVGO05], offset [CZ07], On-Chip [VFW16, BKA13, CK11, EE11, LNLK13, SMK10, TDG13, XCC+13], On-the-fly [WY+12, VHGP11], Online [BSO07, CG15a, CEP+16, WAST16], onto [WYJL10], Open [BGG+15], Open-Source [BGG+15], OpenCL [WGO15], OpenMP [PC13], OpenStream [PC13], Operating [HK14], opportunities [KGK10, XCM04], Optical [CWW+16], Optimal [CH06, CBD15, GK13, KCA+13, Mic16, SWH09, ZGP15, KCKG14, XCO06], optimising [LBO14], Optimization [DAP+15, FXC+15, KTA+16, LVR+15, MNC+16, RMA+14, VFW16, CFH+12, CXW+12, CYXF13, DJX13, FT10, GHS12, HS06, HEL+09, HVJ06, KHW+05, KWTD09, P13, SLM12, SSR13, SL09, VW11, ZWHM05, ZCS06].
optimization-phase [KHW+05].

Optimizations
[JRK16, ZWS+16, LCH+04, LHY+06].

Optimize [DBH16]. optimized [GS12].

Optimizer [LYK+15]. Optimizing
[GGFPRG12, JLER12].

partially [WWM15, MCB15].

PARTANS [HJW15, MCB13, STLM12, TKKM15, WDX15, YXXW12, YRB11, ZSLX13, YXY+12, WK09].

optimal [HJW15, LTX16, HLR+13, JSH09].

OptimizerSim [JYJ+13]. PCM [LWF+16].

penalties [HL07]. penalty [GW08].

adaptive [DBH16]. BPM [LCL+14]. C
[NER+13]. Capacity [BBD+15].

channel-level [LCL+14]. Cores [KKW+15].

HW [TS15]. out-of-order [BB04].

Runtime [KPP+15]. Shared [DRHK15].

Per-thread [DEE13, BSE10]. perceptron
[TS05]. Perfect [BRJ15]. Performance
[AEJE16, BEE15, DSS+14, HMYZ15].

JGSM15, LYH16, LY16, RVA08, TCS16,

TKM14, USCM16, WCI+16, ZYCC10,

AFD12, ATGN+13, BSW16, BTO15,

CK11, CRSP09, CDM13, FBWS13, GW08,

HP04, HL07, KBR+13, KLMP12, KGK10,

LM05, PGB12, RWW13, SRPLP04, SD12,

WKCS12, XT09, YCCY11, ZVYN05].

Performance-aware [YZC10].

performance-driven [XT09].

Performance-Energy [HMYZ15].

performance-friendly [CRSP09].

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

PGAS [SKAE16]. Phase
[HASA16, JDZ+13, YMM+15, KHW+05,

KWD09, ZDC+12]. Phase-Change
[YMM+15]. phased [HLR+13]. Photonic
[DH16]. Piecewise [DAP+15]. PiPA
[ZCW10]. Pipeline [ZJJ+15, HP04, JA14].

pipelined [PLL10, ZCW10]. pipelining
[JSL13, RVO08, RTG+07]. place [GS12].

Placement [MNSC16, MA08, SSK11].

plane [ZGC+12]. Platform [ZLYZ16].

PLDS [FG12]. point [BWG+12, CS13].

pointer [SB05, YLTL04].

pointer-intensive [YLTL04]. points
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Rank [AJK+12]. Rate [CWMC16, SHD15]. RATT [CWMC16]. RATT-ECC [CWMC16]. Read [MNSC16, RLS15, JLCR13].


Reduce [DSR15, ZCCD16, YZ08]. reduced [VED07]. Reducing [CPP08, GW13, HL07, JLCR13, SLP08, TS15, ZHD+04, Zha08, ZWS+16, BCM11, MP13, PGB12, ZSCM08]. Reduction [KTAE16, LSC+15, MSK05, XT09].

Redundant [KS16, JLER12]. references [YZL+10]. referent [WK09]. Refresh [LSC+15, TKM14]. Register [TS15, YWXW12, BZS13, CH06, GKP14, JOA+09a, JOA+09b, JA14, SJV08, SLP08, SSR13].


remapping [ZPC06]. remote [NMKS06]. removal [BCVT13]. Removing [ACGK04]. renaming [JA14]. ReNIC [DCP+12].


resource-constrained [NMKS06, ZK05]. resource-efficient [GW08]. resources [RGG+12]. Retargetable [SHY14, HEL+09, HLC10]. Rethinking [ERAG+16]. return [VS08]. Reuse [DAD16, KE15, AIVL13, FER+13, YZL+10, YLW08].

Reviewers [Aca16, Ano13b, Ano15, Ano13a]. Revisited [AMG16, MBY13, VS08]. Revisiting [GFD+14, KAC15, MMS15, WWWL13].


Sabrewing [BWG+12]. Safe [YPT+16]. Safe-to-Approximate [YPT+16].

Salvaging [JDZ+13]. Sampled [JYE+16, HS05]. Sampling [Lee16, ZWS+16, YYJ+13]. scalability [CWCS13, RVOA08].


Schedulers [KKAR16]. Scheduling [AJE+16, ASV+16, DHD+14, MKKE15, XHY+16, BBG13, CG14, EE12, MBKM12].
Simultaneously [LAS+13]. Single
[RTG+07, CG14, GB06, JK13, VE13, WK09]. Single-dimension [RTG+07]. single-ISA
[CG14, VE13]. single-referent [WK09].
size [MBY13]. Skeleton [NC15].
Skeleton-Based [NC15]. Skylake
[HHYAM16]. Skylake-Based [HHYAM16].
SM [ZZJ+15]. smart [AGVO05]. 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, LCL+14, MGI15, RCV+05, SBS16, SEP07, YWWX12, WH+11, RVOA08, RCG+10b, RTG+07, TGAG+12, YRHBL13].
Software-based [LCL+14].
Software-controlled [RCV+05].
Software-Defined [DMR+16, TGAG+12].
Software-directed [SEP07].
software-guided [RCG+10b].
Software-Managed [YWWX12]. Some
[KAC15, Mic16]. Source [BG+15]. Space
[BC13, CPP08, 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
[GÁSÁ+16, GÁSÁ+13]. species [NCC13].
specific [PRMH13]. Spectral [SBC05].
Speculation [MGI15, GPL+05, SLM14].
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 [DPC+12]. SR-IOV [DPC+12]. SRAM
[GBD+15]. SSA [AvRF07, BZS13, CBD15].
SSA-based [AvRF07]. SSD
[HWJ+15, KHS+14]. Stabilization
Stacked [SHD15]. stack [CH06, VS08, SCEG08].

Static

Stacking [CWMC16, LGP+16, NRQ16a, NRQ16b].

Statically [NED+13]. Stealing [CG15a].

String-matching [FLG12].

String [CW13, PLL10, TBS06].

String-matching [CW13, PLL10, TBS06].

Subsetting [AJK+13, BRSJG12, CPBHW].

Subword [AJK+12].

Suite [CCM+16].

Superscalar [BEE15, MMS15, SRLP04].

Superscalars [HYAR+15]. supplied [YWL+10].

Support [ME15, SKAEG16, CWC06, DMG13, LMJ+13b, SLA+07, ZSCM08, ZZQ+05].

Supporting [SHC13].

SW [TS15].

SW/ HW [TS15]. switch

Switch [ASK13, BRSJG12, CPB+07, GWM07, LS10].

Switch-to-switch [BRSJG12]. switching

Switching [DMG13]. symbiosis [EE12]. SYmetric [PS12].

Symmetry [ZDC+16].

Symmetry-Agnostic [ZDC+16].

Synchronization

MNASC16, CCPG13, ZSCM08].

Synergistic [VXG16].

Synthesis [DLC16].

Synthesizer [DS16].

SYRANT [PS12].

System [AJK+12, HHC+16, LYY+15, MSG16, PLT+15, SBS16, SWF16, TKKM15, CDPD13, HCC+14, KBR+13, LWH11, SSPL+13, TBC+12, WSC+13].

Systematic [PLT+15].

Systems [CLE16a, FMY+15, GTR+16, HYXAM16, KE15, KTA16, LMA+16, LHY16, MMT+12, MKKE15, NRQ16b, PGB16, TMY16, TCS16, USCM16, WGO15, XHJY16, ZDC+16, ZSM+16, CPP08, CWCS13, DXMJI11, GK13, GHS12, HS06, HWH+11, KNK12, KGK10, LMJ+13b, LCL+14, LH13, LFC13, LHW12, MP13, YRHL13, ZVYNO5, ZPC06, ZCW10, ZDC+12].

TACOA [Aca16, Ano15, Ano13a, Ano13b].

TACOMA [AVG12]. taken [PS12, PS12].

Taking [SWU+15]. taming [ZBH+13].

Target [LBJ05]. Task [CCM+16, DHD+14, GTR+16, KKA16, RHC15, STH+15, CG14, LMJ+13b, VTN13, ZYCY10]. Task-Parallel [DHD+14]. Tasks [MKKE15, ZGC+12].

Technique [PGB16, XT09]. Techniques [ATGN+13, DJC16, HAC13, YMY+15, MMdS06, MG12, RCG+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]. tenure [RBM10]. test [SV05]. Tetris [XT09].

Tetris-XL [XT09]. their [ZG05]. Thermal [LMMM08, CK11, WA08, ZYCY10]. Thread [CDPN16, DSR15, LHY16, MGI15, PGB12, RCG+10a, BRS10, CCPG13, DEE13, GPL+05, LHY16, MSF+07]. Thread-Aware [LHY16]. Thread-Level [MGI15, GPL+05].

Thread-management [RCG+10a].

Threading [KS16]. Threading-Based [KS16].

threads [GB06, LZ12, ZSCM08].

Three [VF16].

Threshold [HK14].

Throughput [EMR14, KCA+13, BKA13, BRS10, OGK+12, TBC+12].

throughput-oriented [BTS10].

throughput/watt [TBC+12].

Tiled [CWMC16].

Tile [MBY13]. Tiled
Tiled-MapReduce [KPP+15, CC13]. Tiling [CC13, ZGP15, BCTV13].

Time [BC13, CEP+16, KE15, KTAE16, Nas13, CCD12, GK13, KHL+13, LGT12, LMVC13, RGG+12, ZGC+12].

timestamp-based [RLS13].

Time-series [LTG12], timekeeping [WM11].

timestamp [RLS13].

date [KPP+15, CC13].

Topology-Aware [DHD16].

Topologies [DJC16].

Topology-Aware [DHD14].

tophology [SNL+14].

trace-based [HWM14].

designed [HWM14].

transfer [TG07].

transfers [LDC15, SWH09].

Tools [PK14, MM15, SWH09].

Tracking [MMT+12, KHL+13, VTN13].

trade [AVG12]. trade-off [AVG12].

Tradeoffs [GPL+05].

traffic [FQRG13, LYYB07].

Tranquilizer [PGB12].

Transaction [ZCCD16, SSU+13].

Transaction [ZCCD16, SSU+13].

Transaction [HWM14], traces [TG07].

trace [HCC+14].

Tracking [MMT+12, KHL+13, VTN13].

trade [AVG12]. trade-off [AVG12].

Tradeoffs [GPL+05].

traffic [FQRG13, LYYB07].

Tranquilizer [PGB12].

Transaction [ZCCD16, SSU+13].

Transaction [ZCCD16, SSU+13].

Transaction [ZCCD16, SSU+13].

Transactions [DD16, LDC15, SSU+13].

Transcendental [SSRS15].

Transfer [HHC+16].

transfers [STLM12].

transformation [JSL13]. transformations [BCVN10, RCG+10b, SLM12].

transition [CW13].

transitioning [HWM14].

transitions [SW13].

Translation [TKK15, HWH+11, LWH11, LMI13a].

Translator [SHY14, HLC10].

Translators [DGGL16, GHS12].

Transport [ÄJE+16].

transpose [GS12]. transpose-free [GS12].

Traversals [RMA14].

tree [CDPD13, PRMH13].

Trees [JGSM15, BRSJG12]. Triggered [ÄJE+16].

TRIPS [SNL+04].

Tsv [NRQ16a].

Tumbler [PGB16]. Tunable [MSGH16].

Tuning [CG15a, JGSM15, JA14, MG15, WKCS12].

turn [AGVO05].

turn-off [AGVO05].

Two [CWM16, JYE+16].

Two-Level [JYE+16].

Two-Tiered [CWM16].

type [AR13].

UMH [ZSM+16].

Understanding [EPAG16, LS10, MMT+12, VE13].

Unified [TG07, ZSM+16, YXK+12, KRHK16].

Uniform [HK14].

Units [GÁSÁ+16, GÁSÁ+13, HVJ06, YCCY11].

unloading [ZK05].

Unsynchronized [DSR15].

Unloading [SKAG16].

update [LZY09].

update-conscious [LZY09].

usage [VS11].

User [KKAR16].

User-Assisted [KKAR16].

uses [GB06].

Using [AMP+16, CCL+13, ESR+15, FDF+14, GÁSÁ+16, GR15, HJW15, JGSM15, RLBBN15, SYX+15, SPS12, SSH+13, SSRS15, WO13, ASK13, BZS13, CAMJ15, DDU12, DWDS13, DXMJ11, DJB13, EE11, HVJ06, JSH09, JSM+04, KK+13, MG13, RCV+12, SLM14, SWH09, SSR13, YCCY11, ZHD+04, CST+06].

Utility [PB15].

Utility-Driven [PB15].

Utilization [LWF+16, YWXW12, ZCCD16, XCC+13].

Utilizing [TBC+12, KCP13].

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