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**Title word cross-reference**

3 [ABL+22, MK21]. $k$ [SLL+20]. $O(m \log_2 n)$ [AB23].

-way [SLL+20].

1 [FBG21b, TPFH20a].

2 [FBG21a, TPFH20b]. 2.0 [WYH+21].


[BHHL17a, BHHL17b, Gil18]. 2017

[LRSLS20]. 2018 [FBG21b, FBG21a]. 2019

[Ber21].

3 [HDT+15].

CDPN19, MHM+21, SLL+20, SSSB20, SB14].
Algorithm-Based [BHB+15]. Algorithmic [GNC+17]. Algorithms
[AG18, AKPM20, AQ22, AQ23, AA23, AWFS22, BCRS16, BA23, CGT+17, DK20, DBS21, HEY+20, JMT16, Kha19, KK16, KMVV15, LT22, MMM16, PRS18, SG15].
Aligners [SMM+16]. All-to-All [SS19].
Allocating [SA16]. Allocation
[JKP+15, ZZY15]. Allocator [MA+18].
AMD [LWB+22]. Among [CB16].
Amortized [JJ21]. Analysis [BMS23, LBGO23, PSFB19, SBF+16, WYH+21].
Application [SSSS23, SB14]. Applications
[AG19, BBPS19, BNSP20, BGA+16, CDG17, FF20, HJW2M20, LWWC20, TPFH20a, TPFH20b, WMP14]. Applied
[MA18]. Approach
[BBT+23, KS21, WYO+23]. Approximate
[LPY18, ST17]. Architectural [HHA17].
Architecture
[BBT+23, HKL+14, SMM+16]. Assessing
[BCRS16]. Asynchronous [BNSP20].
Atomicity [GGRSY17]. Attachment
[AKPM20]. Attacks [ES15]. Autogen
[CGT+17]. Automated [FF20].
Automatic [ALMS18, CGT+17, GGRSY17, REP+14, WMP14]. Autotuners [LTL+18].
Autotuning [BBPS19, LTL+18]. Average
[KKM23]. Avoiding [BDK15]. Aware
[KR18, LBGO23].
Balanced [BFS22, MWF+19].Balancing
[CDPN19, ACYC+20]. Band [BDK15].
Banded [KS23]. Bandwidth [MSFH22].
Bandwidth-Optimal [MSFH22]. BARAN
[MSA+18]. Based
[BGPL16, BHH+15, GCF+20, MMF+15, SG18, WYH+21, CXL+24, SLL+20]. Batch
[CXL+24]. Batch-Stream [CXL+24].
Batching [MSKL+22]. Be [DBS21]. Better
[MRR18]. Beyond [FF21]. Bimodal
[MSA+18]. Bin [AV19]. Binary
[BFF22, NRM20]. Bipartite [LKP23].
Bitslicing [MHM+21]. Block
[KS23, SMM+16]. Bound [BS18, MP15].
Bounded [ABB21, SBF+16]. Bounds
[AV19, CRR19, MRR18]. BQ [MSKL+22].
Branch [MP15]. Branching
[CR19, DRR15, MRR18]. Broadcast
[EGMP21, GZ15]. BSP [BS18]. Bug
[FF20]. Build [LTL+18]. Butterfly [ST19].
Butterfly-patterned [ST19].
C [SG18]. C-Stream [SG18]. Cache
[HL16, LKP20]. Cache- [LKP20].
Calendar [MIPQ24]. Can [DBS21].
Cartesian [SB14]. Causes [BGA+16]. CC
[JJ21]. CDCL [EV21]. Centers
[ALb19, AQ22, AQ23]. Channel [XZZY15].
Checkable [FF21]. Checking [RR+21].
Checkpointing [BPRS22, BPRV24]. Chick
[HEY+20]. Chief [Bad19]. Chip
[CXL+24, MSA+18, XZZY15]. Chiplet
[CXL+24]. Chiplet-based [CXL+24].
Cholesky [LYH+24]. Chromatic
[KS16]. Clairvoyant [AV19, IKQ23].
class [REP+14]. Clique [DSMT20, MP15].
Clos [YNM16]. Closure [KH15, SSSS23].
Clustering [FLEN15, GLZ19, SIZ19].
Clusters [CDPN19, JMY15]. Co [SG18].
Co-routine-Based [SG18]. Coalescing
[CR19, DRR15, MRR18].
Coalescing-Branching
[CR19, DRR15, MRR18]. Coarrays
[NLE+20]. Coarse [NT22]. Coarse-grained
[NT22]. Code [MA18]. Coded [KGSG21].
Cohering [DMS25]. Collective [SG15].
Coloring [AB22, ABB+20, Mat23].
Combining [JX2A0]. Common [PS24].
Communication [BDK15, BSS18, CDPN19, LBGO23, SS19, WMP14]. Compact
[SSS20, SSSS23]. Competitive [DKM15].
Competitively [IMPT16]. Compiling
[DBM16]. Complex [SSSS23]. Complexity
components \cite{BMS23, PRS21}. Composable \cite{JLHH22, LT22}. Compressible \cite{MK21}. Computation \cite{ACD+23, BDE+21, CSC+18, MK21}. Computationally \cite{BMS23, KH15}. Compute \cite{BBT+23}. Compute-intensive \cite{BBT+23}. Computer \cite{AKS+20}. Computing \cite{BGHS16, FF21, HSY+20, JMNY15, WYO+23, Gib14}. Concurrent \cite{AN22, TDB16}. Concurrent \cite{GNC+17, KA22, LT22, MSD19, NRM20, RSB+22, VN19}. Conditional \cite{BMS23}. Conflict \cite{MIPQ24}. Conflict-Resilient \cite{MIPQ24}. Conjugate \cite{GWWL16, LBGO23}. Connected \cite{JLHH22, LT22}. Connectivity \cite{PRS18}. Conquer \cite{CGT+17}. Consensus \cite{KKM23}. Conservation \cite{Alb19}. Constant \cite{EGMP21, JJ21}. Constant-Amortized-RMR \cite{JJ21}. Constant-Length \cite{EGMP21}. constrained \cite{BAI23}. Constraint \cite{RHR+21}. Constraints \cite{AG18}. construction \cite{SB14}. Consumption \cite{JCG+14}. Containers \cite{IS17}. Contended \cite{HHA17}. Contention \cite{ALB+18, WSJ21}. Continuous \cite{DKKM15}. Controlled \cite{TDB16}. Cope \cite{BCRS16}. core \cite{AB20, JXA20}. CoRE \cite{GSR+20}. Cores \cite{SA16}. Correctness \cite{CAL20}. Cost \cite{MH24}. Counters \cite{ST17}. Cover \cite{CRR19}. CPU \cite{WYO+23}. CPU-GPU \cite{WYO+23}. Creation \cite{BGLP16}. CUDA \cite{KH15, MH24}. Customized \cite{GCF+20}. Cuts \cite{AB23, GG21}. Cycles \cite{BAI23, FO19}. D \cite{ABL+22, MK21}. DAG \cite{BMS23}. Daly \cite{BPRS22}. Damaris \cite{DAC+16}. Data \cite{AG18, Alb19, AQ22, AQ23, DK20, DAC+16, DSD+20, Gre21, GNC+17, HHA17, KHS16, MG17, RB14, RSB+22, ZLLD18}. Data-Graph \cite{KHSL16}. Deadline \cite{JMNY15}. Deadline-Sensitive \cite{JMNY15}. Decomposition \cite{LSE+19, MCGL23, ZBCC23}. Deep \cite{PSFB19, ZWS23}. Deformation \cite{ABL+22}. Dense \cite{BHB+15, LKP+23}. Dependence \cite{CZS+17}. Depth \cite{AB23, GG21}. Derandomization \cite{FF21}. Design \cite{CAL20, LWB+22, NT22, VN19}. Designing \cite{DMS15}. Designs \cite{GNC+17}. Detection \cite{DVS18, FF20, FO19, KUCT15, LS18}. Deterministic \cite{EGMP21, JJ21, VN19, YNM16}. Deterministically \cite{KHSL16}. Devices \cite{AKM18}. DFS \cite{Kha19}. Dictionaries \cite{BCFC+21}. Differentiated \cite{CSC+18}. Dimensions \cite{DVS18}. Discovery \cite{CGT+17, LKP+23}. Discrete \cite{ST19}. Dissipative \cite{BBT+23}. Distributed \cite{DMB16, FO19, GLZ19, KS21, KX16, LSE+19, Mau23, MCGL23, MHSK23, PRS18, PRS21, SZ19, ZWS23, REP+14}. Distributed-GPU \cite{ZWS23}. Distributed-memory \cite{LSE+19}. Distributions \cite{ST19}. Divergence \cite{WYH+21}. Divide \cite{CGT+17}. Divide-\&-Conquer \cite{CGT+17}. DNS \cite{SSSB20}. domain \cite{MK21}. DomLock \cite{AN22, KN17}. Draw \cite{ST19}. driven \cite{BBT+23}. DSM \cite{JJ21}. Dual \cite{AG18, IS17}. Dynamic \cite{AKM18, AV19, CXL+24, CGT+17}. DSMT20, DMB16, KHSL16, KKM23, KS21, KUCT15, Kha19, MMM16, MKPSA20]. Dynamically \cite{NT22}. Dynamics \cite{BBT+23]. EagerMap \cite{CDPN19}. Easy \cite{Mau23}. Editor \cite{Bad19, BHHL17a, BHHL17b, Her15}. Editor-in-Chief \cite{Bad19}. Editorial \cite{Bad19}. Efficient \cite{CZS+17, CAL20, CGT+17, DSBS21, DR15, GNC+17, LS18, LWWC20, MK21, MHSK23, PRS16, SLL+20, SSS15, ABB+20, LKPP20].
Embedding [SML19]. Empirical [TDB16].
Exclusion [AH19, KD19]. executable [WMP14]. Executing [KHS16].
Execution [HSS15, LWCC20]. Experimental [SBF+16]. Explicit [HSS15].
Expression [KH15]. Extended [ADMO17].
External [BCFC+21]. External-memory [BCFC+21]. Extracting [RB19].
Extrapolating [CDG17]. Extreme [TJK15]. Extreme-Scale [TJK15].
Factorizations [BHB+15]. Fail [BCRS16].
Fail-Stop [BCRS16]. Failure [KR18].
Failure-Aware [KR18]. Failures [BPRV24, BHB+15]. Family [KA22].
Fascicle [AB20]. Fast [ACD+23, BAI23].


Folded-Clos [YNM16]. Fork [SML19].
Fork-join [SML19]. Formation [DKKM15].

Fortran [NLE+20]. Fourier [ACD+23].
Framework [CXL+22, LKPP20, MA18].
Free [DK20, KL19, MIPQ24, MSKL+22, ZLLD18, AKPM20, MHKK23, NRM20, WSJ21].
Frequency [XZZY15]. Futures [HL16].

Games [BGLP16, FLEN15]. GCN [WYO+23]. General [BCRS16, DSM15, MSD19].
General-Purpose [BCRS16]. Generality [IS17]. Generalized [WB+19].
GPOP [LKP20]. GPU [ADMO17, BNSPP20, KS23, MGG15, WPD+17, WYO+23, YSS+19, ZBCC23, ZWS23].
GPUs [ACYC+20, BDA+18, GWU16, LWB+22, MSF22]. Gradient [GWU16, LBG23].

grained [CXL+22, EV21, NT22]. Gravitational [KN17]. Graph [AB22, BNSPP20, CSC+18, DBS21, Gre21, KHS16, KX16, LKPP20, Mau23, MGG15, PRS21, SZ19, WPD+17, ZWS23].


Hard [BBT+23]. Hard/Software [BBT+23]. Hardware [ABB+20, HKL+14, PRS16].

Hardware-efficient [ABB+20]. Hash [Gre21, MSD19]. HashGraph [Gre21].


Hierarchies [AN22, KN17]. High
[ABL+22, BDA+18, FF20, KH15, KL19, MGG15, MHM+21, MA18, SSSB20, SSSS23, XZZY15]. High-accuracy [SSSS23].
High-Frequency [XZZY15]. High-level [FF20]. High-Order [KL19].
High-Performance [MGG15, ABL+22]. High-Quality [BDA+18].
High-Throughput [XZZY15, MHM+21].
Hop [BAI23]. Hop-constrained [BAI23].
HPC [BBPS19, BPRV24, CXL+22]. HPS [LYH+24].
Hypergraph [BDKS16]. Hypergraphs [BGHS16]. Hyperobjects [LS18].
Hyperqueues [VN19]. I/O [AGL19, BBPS19, PSFB19]. IBM [HKL+14]. Identification [JLHH22].
Identifying [BGA+16]. Implementation [AA23, BDA+18, NT22, VN19].
Implementing [BBT+23]. Implication [MCGL23]. Implications [MP15].
In-Memory [CDG17, DSD+20]. In-place [AWFS22, SLI+20]. In-situ [DSD+20].
Innovations [TPFH20a, TPFH20b]. Insider [ES15]. Instruction [LWB+22].
Intensive [BBT+23]. Inter [SLD+21].
Intermediate [IMPT16, SML19]. Inter-Job [SLD+21]. Interface [HB23, NLE+20].
Interference [SLD+21]. Intermediate [IMPT16, SML19].
Interoperability [NLE+20]. Interval [AN22]. Intratile [MLK18]. Introduction
[ALS18, AS23, BHHL17a, BHHL17b, BHL19, Ber21, DH15, FBG21b, FBG21a, Gil18, LDM16, LRLS20, MSS16, PRS15, TPFH20a, TPFH20b, Gib14]. Invainant [MK21].
LWCC20, TPFH20a, TPFH20b, REP+14]. Irregularity [MCGL23]. iSpan [JLHH22].
Issue [ALS18, AS23, BHHL17a, BHHL17b, BHL19, Ber21, DH15, FBG21b, FBG21a, Gil18, LDM16, LRLS20, MSS16, PRS15, RLSLS19, TPFH20a, TPFH20b]. Item [KA22]. Iterations [AG18].
Kernels [ACYC+20, MH24]. Key [BBB+20]. KiWi [BBB+20].
Labeling [EGMP21]. Labelings [FF21].
Large [AHF23, BNSPP20, BGA+16, JMN15, MA18, PRS18, PRS21, ZWS23].
Large-Scale [AHF23, BGA+16, PRS21, BNSPP20].
Linearizable [MIPQ24]. Linked [ZLLD18].
Links [TJK15]. LLVM [SML19]. Load [ACYC+20, CDPN19, MWI+19].
Load-Balanced [MWF+19]. Load-balancing [ACYC+20]. Local [FF21].
Locality [BGLP16, HL16, KS21, MG17].
Lock-Free [MIPQ24, MSKL+22, ZLLD18, NRM20, WSJ21]. Locking [GGRSY17, KN17, CAL20]. Locks [DMS15].
Loop [DMB16]. loops [REP+14]. Low [AB23, GG21, KA22, MMM16].
Low-Latency [KA22]. Low-Rank [MMM16]. Lower [BSS18].


MST [PRS18]. Multi [AB20, AN22, BNSPP20, CXL+24, CAL20, DK20, FF20, GWWL16, KN17, SA16, ZBCC23].


Mutual [AH19, KD19].


Non-overlapping [SSS23]. Non-preemptive [LMT+21]. Nonblocking [IS17]. Nonuniform [HSS15]. Novel
AKPM20, BBT+23]. NUMA
CAL20, DMS15, MG17]. Number [AG18].
Numerical [AA23].

O [AG19, BBPS19, PSFB19]. Objects
[ARK15]. Oblivious [CR17, UALK19]. Off
[TKJ15]. On-Chip [XZYY15]. On-the-Fly
[LS+15]. On/Off [TJK15]. Online
[LMT+21, PS24]. Open [GZ15]. OpenCL
[WYH+21]. OpenMP [KH15].
OpenSHMEM [NLE+20]. Operators
[KA22]. Operators [DK20]. Optical
[AS18, AB22, AKPM20, AB23, AKMW18,
ADMO17, BDE+21, BGH16, BA123,
BFS22, BGA+16, WBW+19, CZS+17,
CXL+22, DSMT20, DK20, DBS21,
EDMSV15, GG21, G14, J1LH122, JMT16,
Kha19, KX16, LKP23, LSE+19, MK21,
MP15, MHM+21, RB1+19, SLL+20, SSSB20,
SSS23, WYO+23, SB14, WMP14, NLE+20].

Parallelism [AA23, AHF23, CXL+24,
EV21, JXAO12, LSS+15, RB1+19, SML19].
Parallelizability [IMPT16].
Parallelization [MHLK18, REP+14].
Parallelized [LYH+24]. Parallelizing
[MMP16]. Parameters [LYH+24]. Part
[LRSLS20, RLSLS19, FBG21b, FBG21a,
TPFH20a, TPFH20b]. Partial
[GLZ19, ST19]. Particle [BBT+23].

Partitioning
ASA18, BDKS16, CSC+18, SLL+20]. Parts
LKPP20]. Passing [PRS16]. Path
[YNM16]. Pattern [RHR+21]. patterned
[ST19]. PDAM [BCFC+21]. Peeling
[JMT16, LKP23]. Perfect [SLL+20].
Performance [BBPS19, DAV+16, HKL+14,
JCG+14, KH15, LBG023, MG15,
MCG13, MA18, RB14, SA16, ALB+22].
Periodic [AG19]. Personalized [SS19].
Petascale [DAC+16, TH+16]. Physical
[AKS+20]. Physics [KH15]. Pipeline
[LS+15]. Pipelines [JPK+15]. place
[AWFS22, SSL+20]. Placement [KR18].
Platforms [BPRV24, CXL+22]. POETS
[BBT+23]. Pointer [WYH+21].
Pointer-Based [WYH+21]. Polar
[LSE+19]. Polylogarithmic [SSS15].
Portable [MG17]. Post
DAC+16, HSY+20]. Post-Moore
[HSY+20]. Post-Petascale [DAC+16].
Power [JCG+14, TJK15]. POWER7
[JCG+14]. PowerEN [HKL+14].
PowerLyra [CSC+18]. PPoPP
[BHHL17a, BHHL17b, LRSLS20, RLSLS19].
PPoPP’12 [PRS15]. PPoPP’14 [LDML16].
PPoPP’15 [Gro17]. Precise [KUC15].
Precision [GCF+20]. Preconditioned
[GWW16]. Prediction [MA18].
Predictions [IKQP23]. Preemption
[AAB21]. preemptive [LMT+21].
Preferential [AKPM20]. Prefetching
[HJWdm20, JCG+14]. Preserving
[MK21, SSBS20]. Price [AAB21]. Primal
[AG18]. Probabilistic [KR18]. Problem
[BBT+23, FH19, MP15]. Problems
[CGT+17, DKKM15, ZWS23]. Process
[HSS15, SLD+21]. Process-Level [SLD+21].
Processes [AKS+20, WBW+19, CB16].
Processing
[BNSS020, BOU16, LKB20, SG18].
Processor [HKL+14, UALK19].
Processor-Oblivious [UALK19].
Processors [KP15, KL19]. Product
[ACYC+20]. Production [MA18].
Profitable [KP15]. Programming
[BNSS20, C17, HSY+20, HDT+15,
MMP16]. Programs [RBJ+19, WYH+21].
Protocol [CAL20, LTL+18]. Pruning [SMM+16]. Purpose [BCRS16].

QoS [MMF+15, MKPSA20]. Quality [AB22, BDA+18, SLD+21].
Quality-of-Service [SLD+21]. Queue [MIPQ24, MSKL+22]. Queues [KA22, VN19].

Randomized [FF21, LPY18]. Rank [ABL+22, MMM16]. Rapidly [LTL+18].
Rates [HSS15]. Real [BBB+20, BBW+19]. Real-Time [BBW+19, BBB+20].
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Reconfigurable-Allocator [MSA+18]. Record [UALK19]. Recurrent [BBW+19].
Recursive [ABB+20, CGT+17, RBJ+19, SML19].
Reducer [LS18]. Reduction [BDK15, DR15]. Refined [MHSK23].
Reinforcement [ZWS23]. Rejections [LMT+21]. Relaxed [KA22].
Representation [SML19].
Representations [KS21]. Requirements [MMF+15].
Resilient [DSD+20, MIPQ24].
Resource [AG18, CR17, JPK+15].
Resources [AA23]. Right [AQ22, AQ23].
Right-sizing [AQ22, AQ23]. RMR [J21].
Robot [DKKM15]. Robust [ES15, KR18].
ROC [AKS+20]. Roofline [LWB+22].
Root [BGA+16]. Routers [XZZY15].
routine [SG18]. Routing [MWF+19, YNM16].
Runtime [CZS+17, DMB16, JPK+15, TJK15, YSS+19].

SAI [EV21]. ScalabiliTy [CDG17].
Scalable [ALMS18, BBB+20, DBS21, DSD+20, GGRSY17, Gre21, KUCT15, KP15, LKPP20, MGG15, PSFB19, RHR+21].
Scale [AKPM20, AHF23, BGA+16, PRS21, TJK15, BNSPP20]. Scale-free [AKPM20].
Scaling [ASA18, HHA17]. Schedule [SS19].
Schedulers [SBF+16, TDB16]. Scheduling [AKMW18, AGL19, CXL+24, DMB16, EDMSV15, IMPT16, IKQP23, JMYN15, KD19, KHS16, KP15, LMT+21, PS24].
Scheme [MK21]. Schemes [EGMP21, SSSB20, SSSS23]. Scientific [HSY+20].
Selecting [BOU16]. Semantic [GGRSY17].
Sensitive [JMN15, KS21]. Sequence [SLL+20, SMM+16]. Server [FH19].
Service [SLD+21]. Set [BDA+18]. Sets [BGHS16]. Shape [MP15]. Shared [AWFS22, DSMT20, DMB16].
Shared-memory [AWFS22, DSMT20]. Sharing [CB16]. Shuffle [SLL+20].
Shuffling [MFH22]. Silent [BCRS16].
SIMD [JX20, RBJ+19]. Simple [BA123, KX16, LT22, XZZY15, SB14].
sizing [AQ22, AQ23]. Sketches [RSB+22].
Skewed [CSC+18]. Software [BBT+23, HJWdM20, JPK+15, MMF+15].
Solver [KGSG21]. Solvers [EV21]. Solving [CGT+17, ZWS23]. Sorting [AWFS22, CR17].
SPAA [Ber21, DH15, FGB21b, FGB21a, Gil18, MSS16]. SPAA’15 [ALS18].
SPA’17 [BHLS19]. SPA’21 [AS23]. Space [CB16, SBF+16, SSL+20].
Space-Bounded [SBF+16]. Spanning [JLHH22]. Sparse [ASA18, ABB+20, ACY+20, DBKS16, DK20, Gre21, KS21].
Sparification [KX16, SZ19]. Special [ALS18, AS23, BHHL17a, BHHL17b, BHL19, Ber21, DH15, FGB21b, FGB21a, Gil18, Gro17, LDML16, LRSL20, MSS16, PRS15, LKPP20, MGG15, PSFB19, RHR+21].
Scale [AKPM20, AHF23, BGA+16, PRS21, TJK15, BNSPP20]. Scale-free [AKPM20].
Scaling [ASA18, HHA17]. Schedule [SS19].
Schedulers [SBF+16, TDB16]. Scheduling [AKMW18, AGL19, CXL+24, DMB16, EDMSV15, IMPT16, IKQP23, JMYN15, KD19, KHS16, KP15, LMT+21, PS24].
Scheme [MK21]. Schemes [EGMP21, SSSB20, SSSS23]. Scientific [HSY+20].
Selecting [BOU16]. Semantic [GGRSY17].
Sensitive [JMN15, KS21]. Sequence [SLL+20, SMM+16]. Server [FH19].
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Shared-memory [AWFS22, DSMT20]. Sharing [CB16]. Shuffle [SLL+20].
Shuffling [MFH22]. Silent [BCRS16].
SIMD [JX20, RBJ+19]. Simple [BA123, KX16, LT22, XZZY15, SB14].
sizing [AQ22, AQ23]. Sketches [RSB+22].
Skewed [CSC+18]. Software [BBT+23, HJWdM20, JPK+15, MMF+15].
Solver [KGSG21]. Solvers [EV21]. Solving [CGT+17, ZWS23]. Sorting [AWFS22, CR17].
SPAA [Ber21, DH15, FGB21b, FGB21a, Gil18, MSS16]. SPAA’15 [ALS18].
SPA’17 [BHLS19]. SPA’21 [AS23]. Space [CB16, SBF+16, SSL+20].
Space-Bounded [SBF+16]. Spanning [JLHH22]. Sparse [ASA18, ABB+20, ACY+20, DBKS16, DK20, Gre21, KS21].
Sparification [KX16, SZ19]. Special [ALS18, AS23, BHHL17a, BHHL17b, BHL19, Ber21, DH15, FGB21b, FGB21a, Gil18, Gro17, LDML16, LRSL20, MSS16, PRS15,
RLSL19, TPFH20a, TPFH20b.

specifications [WMP14]. Spectral [KX16].

Speculation [JXA20]. Speed
[AB22, IS17, KP15]. Speed-Scalable
[KP15]. Speedup [PS24]. SpMSpV
[CXL+22]. SpTTM [WYO+23]. Staging
[DSD+20]. Standard [HB23]. Starved
[MHLK18]. state [JXA20]. States
[BGA+16]. Static [DSMT20]. Statistics
[BOU16]. Stencil
[ACD+23, HSS15, MHLK18]. Stochastic
[KKM23]. Stop [BCRS16]. Strategies
[BBR24, DKKM15, HEY+20]. Strategy
[AGL19]. Stream [CXL+24, SG18, SG18].
Streaming [GNC+17, KMVV15], Strongly
[JJHH22]. Structure [Gre21, RB14].

Structured [ABL+22, HL16]. Structures
[DK20, HHA17, ZLDD18]. Study
[ADO17, EV21, TDB16]. Subgraph
[LKP23]. Successive [BDK15], suffix
[SB14]. Sums [ST19]. Supernodal
[LHY+24]. Supervised [KKM23]. Support
[CZS+17, HHA17, MKPSA20], Supporting
[MMF+15]. SybilCast [GZ15]. Symmetric
[ABB+20]. Synchronization [PRS16].

Synthesis [FF20]. System
[ES15, KGSG21, YYS+19, ZWS23]. Systems
[AB20, CXL+24, CAL20, CDPN19, KU15,
KS23, LSE+19, MG17, SS19, TJK15,
TPFH20a, TPFH20b, ZBBC23, REP+14].

Tables [Gre21, MSD19]. Tapir [SML19].

Task [BWB+19, CXL+24, CDPN19,
EDMSV15, PS24, RBJ+19]. Task-Parallel
[RBJ+19]. Tasks
[BMS23, IMPT16, SA16, YSS+19].

Technique
[ABB+20, BSS18, DMS15, KN17, MKPSA20].

Temperature [SA16]. Templates [KH15].

Temporal [BAI23]. Tensor [MCGL23].

Testing [TDB16]. Theoretically [DS21].

Thread [PRS16], threaded [FF20].

ThreadScan [ALMS18]. Throughput
[XZZY15, MHM+21]. Tight [AV19].

[BWB+19, CRR19, MMF+15, SLL+20,
SS15, BBB+20, DR15]. Time-Based
[MMF+15]. Time-space [SLL+20].

Time-Warp [DR15]. Tolerance [BHB+15].

Tolerant [HSS15, KGSG21]. Tolerate
[BBR24]. TOPC [TPFH20a, TPFH20b].

Torus [SG15]. Tracking [CZS+17].

TRADE [KU15]. Transactional
[DR15, KU15, MMF+15, ZLDD18].

Transactions [Gib14]. Transfers [KA22].

Transformation [MA18, ZLDD18].

Transforms [ACD+23]. Transparencies
[CB16].Traversal [MG15]. Tree
[MP15, RMN20, SB14]. Trees
[BFS22, EDMSV15, JJHH22, WJS21].

Tridiagonal [KS23]. Tridigpu [KS23].

Two [DVS18]. Types [GNC+17].

Undirected [Kha19]. Unit [BOU16].

Universal [MWF+19]. Unrelated
[LMT+21]. Unstructured
[ABL+22, HJMD20]. Using
[ABL+22, Gre21, KHSI16, NLE+20, ST19,
TDB16, ACD+23, AKPM20].

value [BBB+20]. Variability [DAC+16].

Vector [ACYC+20, ABB+20]. Vectors
[DK20]. via [BDE+21, GGRSY17, MHM+21,
PSFB19, RHR+21, SLD+21, WYO+23].

Virtual [XZZY15]. Viterbi [MHM+21].

Wait [BGA+16]. Walk [CRR19]. Walks
[DPRR15, MRR18]. Warp [DR15]. way
[SLL+20]. Weather [MA18]. Weighted
[MKPSA20]. Well [HL16].

Well-Structured [HL16]. Work
[AB23, GG21, SS15]. Work-Efficient
[SS15]. Workflows [BPRS22, SLD+20].

Workload [AKMW18].

X10 [THC+16].

Young [BPRS22]. Young/Daly [BPRS22].
References


Amahd:2023:FAA


Anzt:2020:LBS


Ashkiani:2017:GME


Ahn:2018:ADN


Aupy:2019:SSP


Aravind:2019:GME

Alvermann:2023:OLP


Anta:2018:SDP


Alam:2020:GMS


Anderson:2020:RRO


Amer:2018:LCM


Albers:2019:ECD

Alistarh:2018:TAS


Agrawal:2018:ISI


Anju:2022:MID


Albers:2022:OAR


Albers:2023:ARS


Azar:2023:ISI


Akbudak:2018:PMS


Azar:2019:TBC

REFERENCES

Axtmann:2022:EPS

Bader:2019:EEC

Blanusa:2023:FPA

Basin:2020:KKV

Behzad:2019:OPH

Brown:2023:PED
REFERENCES

Bender:2021:EMD


Benoit:2016:AGP


Burtscher:2018:HQF


Behnezhad:2021:MPC


Ballard:2015:ACS


Ballard:2016:HPS

REFERENCES


[BHHL17b] Grey Ballard, Mary Hall, Tim Harris, and Brandon Lucia. Guest Editor introduction
REFERENCES


**Bateni:2019:ISI**

**Baruah:2023:CCF**

**Benoit:2022:CWY**

**Benoit:2024:CST**

**Blanchard:2016:SMO**

**Blanchard:2023:SMO**
Bilardi:2018:LBT


Bonifaci:2019:GPT


Chatzopoulos:2017:EES


Cruz:2019:ETM


Chowdhury:2017:AAD


Chabbi:2020:EAL


Creech:2016:TSS

[CB16] Timothy Creech and Rajeev Barua. Transparently space


REFERENCES

ISSN 2329-4949 (print), 2329-4957 (electronic).


[Dice:2015:LCG] David Dice, Virendra J. Marathe, and Nir Shavit. Lock cohort-


[Ellen:2021:CLL] Faith Ellen, Barun Gorain, Avery Miller, and Andrzej Pelc. Constant-length labeling schemes for deterministic ra-


Guha:2019:DPC


Gulisano:2017:EDS


Green:2021:HSH


Grove:2017:ISS


Gao:2016:AOM


Gulisano:2017:EDS


Hesselink:2023:MLS


Hoefer:2015:RMA

REFERENCES


REFERENCES

Hamilton:2020:ASC


Im:2023:NCS


Ji:2022:IPI

Yuede Ji, Hang Liu, Yang Hu, and H. Howie Huang. iS-pan: Parallel identification of

Izraelevitz:2017:GSN


Jimenez:2014:APP


Jayanti:2021:DCA


JLHH22

Yuede Ji, Hang Liu, Yang Hu, and H. Howie Huang. iS-pan: Parallel identification of
REFERENCES


**Jain:2015:NOS**


**Jiang:2016:PPA**


**Jahn:2015:RRA**


**Jiang:2020:CSM**


**Jiang:2016:PPA**


**Jahn:2015:RRA**


**Jiang:2020:CSM**


**Kappes:2022:FRC**


**Kagaris:2019:SME**


**Kang:2021:AEC**

Kang, David F. Gleich, Ahmed Sameh, and Ananth Grama. Adaptive erasure coded

**Kramer:2015:SET**


**Khan:2019:NOP**


**Kaler:2016:EDD**


**Kamenev:2023:FSA**


**Kronbichler:2019:MMF**


**Kumar:2015:FGA**

REFERENCES


Larus:2016:ISI


[Lilja:2014:ISI]


[Lakhotia:2023:PPB]


[Lakhotia:2020:GSC]


[Lee:2015:FPP]


[Lucarelli:2021:ONP]


[Liu:2018:RAN]

[LPY18] Mingmou Liu, Xiaoyin Pan, and Yitong Yin. Randomized approximate nearest neighbor search with limited adaptiv-


[Leidel:2020:TME] John D. Leidel, Xi Wang, Brody Williams, and Yong Chen. Toward a microarchitecture for effi-


[MH24] Stefan K. Muller and Jan Hoffmann. Modeling and analyz-

Malas:2018:MIP


Monfared:2021:HTP


Munch:2023:EDM


Marotta:2024:CRL


Maier:2021:EPC


Monemi:2020:ED

[Alireza Monemi, Farshad Khunjush, Maurizio Palesi, and Hamid Sarbazi-Azad. An enhanced dynamic weighted incremental technique for QoS support in NoC. *ACM Transactions on Parallel Comput-
REFERENCES

Maldonado:2015:STB

Maleki:2016:LRM

McCreesh:2015:SST

Mitzenmacher:2018:BBC

Mirhosseini:2018:BBA

Maier:2019:CHT

Mitchell:2022:BOR
REFERENCES

Milman-Sela:2022:BLF

MeyeraufderHeide:2016:ISI

Mollah:2019:MUG

Namashivayam:2020:MFI

Natarajan:2020:FLL

Nguyen:2022:DIC


REFERENCES


Simhadri:2016:EAS

Harsha Vardhan Simhadri, Guy E. Blelloch, Jeremy T. Fine- 
man, Phillip B. Gibbons, and Aapo Kyrola. Experimental 
analysis of space-bounded sched- 
ulers. ACM Transactions on 
Parallel Computing (TOPC), 3 (1):8:1–8:??, August 2016. CO- 
DEN ????: ISSN 2329-4949 
(print), 2329-4957 (electronic).

Sack:2015:CAM

Paul Sack and William Gropp. 
Collective algorithms for multi-
ported torus networks. ACM 
Transactions on Parallel Com- 
puting (TOPC), 1(2):12:1–12:??, 
January 2015. CODEN ????: 
ISSN 2329-4949 (print), 2329-
4957 (electronic).

Sahin:2018:CSC

Semih Sahin and Bugra Gedik. 
C-Stream: a co-routine-based 
elastic stream processing engine. 
ACM Transactions on Parallel 
Computing (TOPC), 4(3):15:1– 
15:??, April 2018. CODEN ????: 
ISSN 2329-4949 (print), 2329-
4957 (electronic).

Savoie:2021:MIJ

Lee Savoie, David K. Lowenthal, Bronis R. De Supinski, 
Kathryn Mohror, and Nikhil 
DEN ????: ISSN 2329-4949 
org/doi/10.1145/3434397.

Salah:2020:TSE

Ahmad Salah, Kenli Li, Qing 
Liao, Mervat Hashem, Zhiyong Li, Anthony T. Chronopoul-
os, and Albert Y. Zomaya. A 
time-space efficient algorithm for 
parallel k-way in-place merging 
based on sequence partitioning 
and perfect shuffle. ACM Trans-
actions on Parallel Computing (TOPC), 7(2):11:1–11:23, May 
2020. CODEN ????: ISSN 2329-4949 (print), 2329-4957 
dl.acm.org/doi/abs/10.1145/ 3391443.

Schardl:2019:TER

Tao B. Schardl, William S. 
Moses, and Charles E. Leiserson. 
Tapir: Embedding recursive fork-join parallelism into 
LLVM’s intermediate representation. ACM Transactions on 
CODEN ????: ISSN 2329-4949 
dl.acm.org/ft_gateway.cfm?id=3365655.

Sandes:2016:MMA

Edans F. De O. Sandes, Guillermo Miranda, Xavier Martorell, Eduard Ayguade, George Teodoro, and Alba C. M. A. De 
Melo. MASA: a multiplatform

[Saha:2019:OSA]


[S Sanders:2015:WEM]


[S Sengupta:2020:HAP]


He Sun and Luca Zanetti. Distributed graph clustering and

**Thomson:2016:CTU**


**Tardieu:2016:XAP**


**Totoni:2015:PME**


**Utterback:2019:POR**


REFERENCES


