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3 [ABL+22, MK21]. k [BG24, SLL+20]. $O(k)$ [BG24]. $O(m \log_2 n)$ [AB23].

-way [SLL+20].

1 [FBG21b, TPFH20a].

2 [FBG21a, TPFH20b]. **2.0** [WYH+21]. **2013** [DH15]. **2014** [MSS16]. **2016** [BHHL17a, BHHL17b, Gil18]. **2017** [LRSLS20]. **2018** [FBG21b, FBG21a]. **2019** [Ber21].

3 [HDT+15].

Abort [DR15]. **Abortable** [CAL20, JJ21]. **Abortable-locking** [CAL20]. **ABSS** [CXL+24]. **Abstract** [GNC+17]. **Accelerating** [HSY+20]. **Acceleration** [Cui24, GCF+20]. **Accelerator** [NT22]. **Accelerators** [HKL+14]. **Access** [AG18, AKMW18, BDE+21, HDT+15]. **Accesses** [KD19]. **Accuracy** [BHB+15, SSSB20, SSSS23]. **ACM** [Gib14]. **Adapting** [WSJ21]. **Adaptive** [CXL+24, GWWL16, JCG+14, KGSG21, LYH+24, MSA+18, MWF+19]. **Adaptivity** [LPY18]. **Adding** [ST17]. **Addressing** [DAC+16]. **Adversarial** [KKM23]. **Affine** [BCFC+21, DMB16]. **Against** [ES15]. **Aggregation** [GNC+17]. **Airwaves** [GZ15]. **Algebraic** [ABB+20]. **Algorithm** [AB20, ACD+23, ADMO17, BHB+15,

CDPN19, MHM+21, SLL+20, SSSB20, SB14]. **Algorithm-Based** [BHB+15]. **Algorithmic** [GNC+17]. **Algorithms** [AG18, AKPM20, AQ22, AQ23, AA23, AWFS22, BCRS16, BAI23, CGT+17, DK20, DBS21, HEY+20, JMT16, Kha19, KX16, KMVV15, LT22, MMM16, PRS18, SG15, TTO+24]. **Aligners** [SMM+16]. **All-to-All** [SS19]. **Allocating** [SA16]. **Allocation** [JPK+15, XZZY15]. **Allocator** [MSA+18]. **AMD** [LWB+22]. **Among** [CB16]. **Amortized** [JJ21]. **Analysis** [BMS23, LBGO23, PSFB19, SBF+16, WYH+21, XZC+24]. **Analytics** [BBB+20, LAVB24, WPD+17]. **Analyzing** [MH24]. **Anonymous** [KKM23]. **Aperiodic** [ACD+23]. **APGAS** [THC+16]. **Application** [SSSS23, SB14]. **Applications** [AGL19, BBPS19, BNSPP20, BGA+16, CDG17, FF20, HJWdM20, 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** [BNSPP20]. **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].

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C [SG18]. **C-Stream** [SG18]. **Cache** [HL16, LKPP20]. **Cache-** [LKPP20]. **Calendar** [MIPQ24]. **Can** [DBS21]. **Cartesian** [SB14]. **Causes** [BGA+16]. **CC** [JJ21]. **CDCL** [EV21]. **Centers** [Alb19, AQ22, AQ23]. **Channel** [XZZY15]. **Checkable** [FF21]. **Checking** [RHR+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** [KHSL16]. **Clairvoyant** [AV19, IKQP23]. **class** [REP+14]. **Clique** [DSMT20, MP15]. **Clos** [YNM16]. **Closure** [KH15, SSSS23]. **Cloud** [LLC+24]. **Clustering** [FLEN15, GLZ19, SZ19]. **Clusters** [CDPN19, JMNY15]. **Co** [SG18]. **Co-routine-Based** [SG18]. **Coalescing** [CRR19, DPRR15, MRR18]. **Coalescing-Branching** [CRR19, DPRR15, MRR18]. **Coarrays** [NLE+20]. **Coarse** [NT22]. **Coarse-grained** [NT22]. **Code** [MA18]. **Coded** [KGSG21]. **Cohorting** [DMS15]. **Collection** [DD24]. **Collective** [SG15]. **Coloring** [AB22, ABB+20, Mau23]. **Combining** [JXA20]. **Come** [HBP24]. **Common** [LAVB24, PS24b].

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KUCT15, Kha19, MMM16, MKPSA20]. **Dynamically** [NT22]. **Dynamics** [BBT+23].

EagerMap [CDPN19]. **Easy** [Mau23]. **Editor** [Bad19, BHHL17a, BHHL17b, Her15]. **Editor-in-Chief** [Bad19]. **Editorial** [Bad19]. **Efficient** [CZS+17, CAL20, CGT+17, DBS21, DR15, GNC+17, LS18, LWWC20, MK21, MHSK23, PRS16, SLL+20, SSS15, ABB+20, LKPP20, ZBCC23]. **Eigenvalue** [AHF23]. **Elastic** [SG18]. **Element** [DK20, KL19, MK21]. **Embedding** [SML19]. **Empirical** [TDB16]. **Emu** [HEY+20]. **Energy** [Alb19, SA16, ZBCC23]. **Energy-efficient** [ZBCC23]. **Engine** [SG18]. **Engineering** [AWFS22]. **Enhanced** [MKPSA20]. **Enhancing** [RB14]. **Enlarged** [LBGO23]. **Enough** [BPRS22]. **Enumeration** [BAI23, DSMT20]. **Enumerative** [JXA20]. **Equal** [KD19]. **Equal-Length** [KD19]. **Equation** [KS23]. **Equations** [MK21]. **Era** [HSY+20]. **Erasure** [KGSG21]. **Errors** [BCRS16]. **ESTIMA** [CDG17]. **Euler** [MK21]. **Evaluation** [AB20, MH24]. **Event** [BBT+23]. **Event-driven** [BBT+23]. **Exclusion** [AH19, KD19]. **executable** [WMP14]. **Executing** [KHSL16]. **Execution** [HSS15, LWWC20]. **Experimental** [SBF+16]. **Explicit** [HSS15]. **Exploring** [LAVB24]. **Expression** [KH15]. **Extended** [ADMO17]. **External** [BCFC+21]. **External-memory** [BCFC+21]. **Extracting** [RBJ+19]. **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, BDA+18, DBS21, KMVV15, MSD19, PRS18, RSB+22, ACD+23]. **Faster** [KKM23]. **FastTucker** [LHL+24, LQX+24]. **Fault** [BHB+15, KGSG21]. **Feasibility** [BMS23]. **FEAST** [NRM20]. **FEM** [MHSK23]. **Fetch** [AH19]. **Fetch-and-increment** [AH19]. **fgSpMSpV** [CXL+22]. **Fine** [CXL+22, EV21]. **Fine-grained** [CXL+22, EV21]. **Finite** [DK20, JXA20, KL19, MK21]. **Finite-element** [MK21]. **Finite-state** [JXA20]. **First** [HBP24]. **First-Come-First-Served** [HBP24]. **Fly** [LLS+15]. **Folded** [YNM16]. **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, MHSK23, NRM20, WSJ21]. **Frequency** [XZZY15]. **Futures** [HL16].

Games [BGLP16, FLEN15]. **GCN** [WYO+23]. **General** [BCRS16, DMS15, MSD19]. **General-Purpose** [BCRS16]. **Generality** [IS17]. **Generalized** [BWB+19]. **Generating** [AKPM20]. **generation** [WMP14]. **Geometry** [SSSS23]. **Globally** [MWF+19]. **Good** [BPRS22]. **GPGPU** [MA18]. **GPOP** [LKPP20]. **GPU** [ADMO17, BNSPP20, DD24, KS23, LQX+24, MGG15, WPD+17, WYO+23, YSS+19, ZBCC23, ZWS23]. **GPUs** [ACYC+20, BDA+18, FJRH24, GWWL16, LWB+22, LHL+24, MSFH22]. **Gradient** [GWWL16, LBGO23]. **grained** [CXL+22, EV21, NT22]. **Granularity** [KN17]. **Graph** [AB22, BNSPP20, CSC+18, DBS21, FJRH24, Gre21, KHSL16, KX16, LKPP20, LAVB24, Mau23, MGG15, PRS21, SZ19, WPD+17, XZC+24, ZWS23]. **Graphics** [BOU16, KL19]. **Graphs** [CSC+18, CRR19, DSMT20, DPRR15,

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Hard [BBT+23]. **Hard/Software** [BBT+23]. **Hardware** [ABB+20, HKL+14, PRS16]. **Hardware-efficient** [ABB+20]. **Hash** [Gre21, MSD19]. **HashGraph** [Gre21]. **Hedonic** [FLEN15]. **Heterogeneous** [AQ23, WYO+23, ZBCC23]. **Heuristics** [SA16]. **HHLST** [LHL+24]. **Hierarchical** [LKP23, LYH+24]. **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]. **Hybridizing** [CZS+17]. **Hypergraph** [BDKS16]. **Hypergraphs** [BGHS16]. **Hyperobjects** [LS18]. **Hyperqueues** [VN19].

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Machine [XZC+24]. **Machines** [JXA20, LMT+21]. **Made** [Mau23]. **Management** [ALB+18, DAC+16, TJK15]. **Mantissa** [GCF+20]. **Many** [AB20, JXA20]. **Many-core** [AB20]. **Many/Multi** [JXA20]. **Many/Multi-core** [JXA20]. **Map** [BBB+20]. **Mapping** [CDPN19]. **MapReduce** [KMVV15]. **MASA** [SMM+16]. **Massive** [AKPM20]. **Massively** [BDE+21, BBT+23, LSE+19]. **Matching** [AG18, RHR+21]. **Matrix** [ASA18, ABB+20, ABL+22, ACYC+20, BDKS16, BHB+15, DK20, KL19, MHSK23, SSS15, ZBCC23]. **Matrix-Free** [DK20, KL19, MHSK23]. **Maximal** [BGHS16, BDA+18, DSMT20]. **Maximum** [AG18, MP15]. **MCSH** [HB23]. **Mechanisms** [JMNY15]. **Memory** [ALMS18, BDE+21, CDG17, DMB16, DR15, EDMSV15, HDT+15, KUCT15, LKPP20, MHLK18, MMF+15, PS24a, AWFS22, BCFC+21, DSMT20, DSD+20, LSE+19, REP+14]. **Memory-efficient** [LKPP20]. **Memory-Starved** [MHLK18]. **Memoryless** [BPRV24]. **Merging** [SLL+20]. **Mesh** [ABL+22, HJWdM20]. **Meshes** [MHSK23]. **Message** [PRS16]. **Metadata** [RHR+21]. **methodology** [WMP14]. **Methods** [LBGO23, MMM16, MHSK23, PS24a]. **Metrics** [LWB+22, RB14]. **Microarchitecture** [LWWC20]. **Minimum** [AB23, GG21]. **Mitigating** [SLD+21]. **Mobile** [AKMW18, FH19]. **Model** [AKPM20, BNSPP20, BWB+19, LWB+22]. **Modeling** [GWWL16, MWF+19, MH24]. **Models** [ASA18, BCFC+21, PS24b]. **Modern** [NLE+20]. **Module** [CXL+24]. **Moldable** [PS24b]. **Moore** [HSY+20]. **MPI** [ALB+18, DK20, HDT+15, WMP14]. **MPI-3** [HDT+15]. **MPI-Parallel** [DK20]. **MST** [PRS18]. **Multi** [AB20, AN22, BNSPP20, CXL+24, CAL20, DK20, FF20, GWWL16, KN17, LHL+24, SA16, ZBCC23]. **Multi-Chip** [CXL+24]. **Multi-core** [AB20, JXA20]. **Multi-Cores** [SA16]. **Multi-GPU** [BNSPP20, ZBCC23]. **Multi-GPUs** [GWWL16, LHL+24]. **Multi-Granularity** [KN17]. **Multi-Interval** [AN22]. **Multi-level** [CAL20]. **Multi-threaded** [FF20]. **Multi-Vectors** [DK20]. **Multichip** [RB14]. **Multicore** [CB16, CDPN19, RB14]. **Multicore/Multichip** [RB14]. **Multicores** [CR17]. **Multidimensional** [MHLK18]. **Multigrid** [KL19, MHSK23]. **Multimedia** [NT22]. **Multiphysics** [SSSS23]. **Multiplatform** [SMM+16]. **Multiple** [BOU16, BHB+15, CB16, FJRH24, KP15, TTO+24]. **Multiplication** [ASA18, ABB+20, BDKS16]. **Multiported**

[SG15]. **Multiprocessor** [SS19]. **Multisplit** [ADMO17]. **Multithreaded** [ALB+18]. **Multiway** [GNC+17]. **Mutex** [JJ21]. **Mutual** [AH19, KD19].

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