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Title word cross-reference

Accelerating [BJS01]. **Accelerator** [CZL⁺15]. **Accelerators** [LAB⁺13]. **Accent** [FR86]. **Access** [AT83, LZCZ86, LP93, Smi84b, GB01]. **Access/Execute** [Smi84b]. **Accesses** [AJ19, HY92, Kel00]. **accessing** [ACM04]. **accounting** [EV03]. **accuracy** [Jim05]. **Accurate** [GVM⁺11, NTW09]. **Ace** [RR99]. **Achieve** [LLL⁺16]. **ACM** [Jha20]. **ACM/SIGOPS** [ACM88]. **Action** [Sch84]. **Actions** [Ree83]. **Activations** [ABLL92]. **active** [SJS⁺00]. **Activity** [IRH86, MSB⁺06]. **Ad** [BYFK08, FKA10]. **Adaptable** [AC92]. **Adaptation** [BS91, AD03, FS04]. **Adaptive** [ALHH08, AS95, MLS97, CT01]. **Address** [CLFL94, SV99]. **Adrenaline** [HZL⁺17]. **Affected** [IRH86]. **Aggregate** [AB83]. **aggregation** [JMB05]. **Aggressive**

arc [GS93]. **N** [SHG95, Mae85].

-Body [SHG95].

11/780 [Cla83, CE85]. **1988** [ACM88].

2.6 [PTS⁺14]. **2011** [Mow12]. **2019** [MT20].

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4 [Jha20]. **432** [CGJ88, CCLP83].

780 [Cla83, CE85].

Abstract [Her86, SS84]. **abstraction** [CRL03, Kel00]. **Abstractions** [SKH⁺16].

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[CM84, KS91, EGH⁺03, GLPQ10]. **Buddy** [Koc87]. **Buffer** [CE85, CT01, HJK07]. **buffering** [PDZ00]. **Bugs** [BLH20, QTZS07]. **Building** [KS97, ZSS⁺18, AMS⁺09, CBG⁺08]. **Building-Block** [KS97]. **Bus** [HKB95, TE95]. **Bus-Based** [TE95]. **Byzantine** [CL02, KAD⁺09, Sch84].

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[EPP⁺12, GTHR00, KSH⁺05]. **Coarse** [PPA⁺15]. **Coarse-Grained** [PPA⁺15]. **COCA** [ZSV02]. **Coda** [KS92, Sat02]. **Code** [MC11, KY04]. **Codesigned** [KMG16]. **Coherence** [AB86, LH89, LWZ15, ZY17]. **Coherent** [MBH⁺94]. **Coin** [PW97]. **Collaboration** [LSPM15]. **Collection** [SKZ⁺19, AFG99, KPHV11]. **Combining** [BPP⁺17a, BPP⁺17b, PS16]. **commit** [AKS11]. **Commodity** [BDGR97, SBL05]. **Communication** [BW84, BALL91, BJ87, Bir85, CBZ95, CGL85, CCLP83, FR86, GMS91, GG88, LHM⁺84b, PPA⁺15, PBS89, TL93, BHSC98, FLS01, MG01, VBR⁺04]. **Commutativity** [CKZ⁺15]. **Comparison** [JW98, LE91]. **Compiler** [BMK01, KMG16, MCB⁺93, Mow98, ACM04, KY04, LM01]. **Compiler-based** [BMK01]. **Compiler-Controlled** [MCB⁺93]. **compiler-enabled** [ACM04]. **Compiler-Inserted** [Mow98]. **Complex** [Sno88]. **Complexity** [CGJ88, PS16]. **component** [CBG⁺08]. **Compositions** [KS97]. **Comprehensive** [GO05, GVO07, KAE⁺14]. **compression** [BA06]. **Computation** [HZX⁺18, JW98, LHM⁺84b]. **Computational** [Sau83a, Sau83b, ZFF⁺17]. **Computer** [AB83, AK90, BW84, CEC⁺96, IRH86, Jha20, RJ90, Smi84b]. **Computers** [HLZ⁺16, HZL⁺17, LP93]. **Computing** [ARJ97, Bab87, EJ93, SS83, SGH⁺13, ZR17, KSH⁺05, LN06]. **Concurrency** [AC92, CM86, Her87]. **Concurrent** [FH07, GY90, HLS95, Lam90]. **Configurable** [ELMP12, BHSC98]. **Configuration** [SBRP12]. **conflict** [CT01]. **Congestion** [RJ90]. **conit** [YV02]. **conit-based** [YV02]. **connection** [SMS08]. **connection-oriented** [SMS08]. **Conscious** [KWS97]. **Consensus** [Bab87, Her86]. **Consensus-Based** [Bab87]. **Consideration**

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Dadda [CS83]. **Dark** [EBS⁺12]. **Data** [AC92, GHBRK12, Her86, Her87, HZX⁺18, JB86, JLL⁺16, LAB⁺13, NDU⁺19, Ree83, SBN⁺97, Sha89, SKZ⁺19, ZHD⁺19, BA06, CDG⁺08, CKP⁺04, HLMM05, KSV⁺08, VBV03]. **Data-Parallel** [LAB⁺13]. **Database** [CDE⁺13, LHM⁺84b, PGM89, APD03, CASM08, PMJPKA05]. **Datacenter** [GWSU13]. **datacenters** [DK13, GLL14]. **Datagram** [DC90]. **Dataplane** [BPP⁺17a, BPP⁺17b]. **DBT** [SWF20]. **DDoS** [WVB⁺10]. **DDRx** [BI13]. **Deadlock** [Bad86, CHM83]. **Debugging** [Bat95, GY90]. **Deca** [SKZ⁺19]. **Decay** [Epe98, HKM02]. **Decay-usage** [Epe98]. **Decentralized** [Mae85, Ree83]. **Decentralizing** [CM89]. **Declarative** [SBRP12]. **Decoupled** [Smi84b]. **defense** [WVB⁺10]. **Delays** [AB83]. **deliberate** [VVP⁺06]. **Delivery** [RS92]. **denial** [MSB⁺06]. **denial-of-service** [MSB⁺06]. **Dependent** [Sau83a, Sau83b]. **deployed** [YKKK10]. **Deployment** [HE16]. **Depot** [MSL⁺11]. **Derecho** [Jha20, JBG⁺19]. **Deriving** [GvB90]. **Design** [CRW01, CKC12, DAH⁺12, GF93, RO92, SRC84, Smi85, Smi87, UNS⁺94, WM87, YV02, AKS11]. **Designing** [CKZ⁺15, HLZ⁺16, SS83]. **designs** [ASS⁺05]. **Desktop** [BWD⁺15, HDV⁺12]. **Detection** [Bad86, BLH20, CHM83, WZKSL15, COM⁺09]. **Detector** [SBN⁺97]. **Determining** [CL85, CDY⁺17, Ske85]. **deterministic** [AV04]. **Development** [GM87, HP94]. **Device** [And97, SBRP12, SABL06]. **Devices** [LSPM15, YSS⁺14]. **Diagnosability** [YZP⁺12]. **DieCast** [GVM⁺11]. **Different** [Atk88]. **Differential** [WZKSL15]. **Diffraction** [SZ96]. **Digital** [Oka88, MRG⁺05]. **Dimension** [San88]. **Directed** [Kot97]. **directions** [EV03]. **Directories** [ZY17]. **Directory** [MBH⁺94]. **Discipline** [CGL85]. **disco** [GTHR00, BDGR97]. **Disconnected** [KS92]. **Discovery** [HS96]. **Disk** [CFKL96, GD87, Kin90, Koc87, Kot97,

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[ELMP12]. **Fast** [CCW⁺17, FKM02, GEK⁺02, JBG⁺19, Jha20, Lam87, LDT⁺16, MJLF84, SV99, YSS⁺14]. **Fault** [AE91, Bab87, BBG⁺89, BS96, CM89, CDD96, DD98, JB86, MC11, RBvR94, SS83, ZTQ⁺17, CL02, CRL03, KAD⁺09]. **Fault-tolerance** [CDD96]. **Fault-Tolerant** [AE91, Bab87, JB86, RBvR94, SS83]. **Faults** [PTS⁺14]. **Fay** [EPP⁺12]. **Feedback** [HMMS98, RJ90, ALHH08, DR99]. **File** [AISS98, AOG92, ADN⁺96, BKT85, CFKL96, CF96, DKM96, GJT⁺12, HDV⁺12, HO95, HP94, HKM⁺88, KS92, Koc87, KS97, LZCZ86, MBH⁺94, MJLF84, NWO88, RO92, SS96b, FKM02, GMSP00, NCF06, SFKW14, YTEM06]. **File-system** [HP94]. **Files** [HL91]. **filter** [BMK07]. **find** [YTEM06]. **finding** [ASS⁺05]. **Fine** [JLHB88, BHSC98, Rin99]. **fine-grain** [BHSC98, Rin99]. **Fine-Grained** [JLHB88]. **Fireflies** [JVJ15]. **Firefly** [SB90a]. **firewall** [BMNW04]. **Firmato** [BMNW04]. **First** [LCWB⁺11]. **First-Class** [LCWB⁺11]. **Flash** [JLL⁺16]. **flexibility** [HS03]. **Flexible** [KS97, GEK⁺02]. **FLIP** [KvRvST93]. **Flow** [EGH⁺14, Sha89]. **Focusing** [EV03]. **Footprint** [CZL⁺15]. **Footprints** [TS87]. **Formal** [BAA90, GM87, GF93, KAE⁺14]. **Framework** [CCC⁺17, CKP⁺04]. **Free** [ARJ97]. **Full** [LLL⁺16]. **Full-Stack** [LLL⁺16]. **fully** [RD99]. **functionality** [GB01]. **Future** [EBS⁺12, HLZ⁺16, Kin90].

Gaining [WM87]. **Garbage** [AFG99, SKZ⁺19, KPHV11]. **gating** [BM00]. **General** [Smi86, ZR17, BJS01, CKP⁺04]. **General-Purpose** [ZR17, BJS01]. **Generalized** [MCB84, SA95]. **Generals** [Sch84]. **Generating** [MMM95]. **Generation** [AJ93, Sha83, GO05]. **generational** [HKM02]. **generic** [CBG⁺08]. **Global** [AISS98, CL85, CM89]. **Globally** [CDE⁺13]. **Gone** [ABD⁺97]. **Google** [CDE⁺13]. **Gossip** [JVJ⁺07, JVVJ15, JMB05]. **Gossip-based** [JVJ⁺07, JMB05]. **GPU** [LSPM15, SKH⁺16]. **GPUfs** [SFKW14]. **GPUnet** [SKH⁺16]. **GPUs** [BBCS19, SFKW14]. **grain** [BHSC98, Rin99]. **Grained** [JLHB88, PPA⁺15]. **Grammars** [DD98]. **Grapevine** [SBN84]. **Graph** [DD98, AV04, APD03]. **Graphics** [SLJ⁺14]. **Group** [SBS91, FLS01, KSMD02]. **Grouping** [Sta84]. **Groups** [CZ85, San88]. **Growth** [SBN84]. **Guest** [Lev97].

Hardware [DRG17, GM98, GF93, HLRW93, WPB⁺14, HS03]. **HARTS** [KS91]. **hash** [NTW09]. **Haven** [BPH15]. **HDLC** [SL83]. **Heap** [DTM95]. **Heracles** [LCG⁺16]. **Heterogeneous** [BDZ⁺20, Bat95, Fal87, LWZ15, DK13, GLL14]. **HFS** [KS97]. **Hierarchical** [GJT⁺12, SHG95, WGSS96]. **Hierarchies** [BCZY16, ES83, YFLS11]. **Hierarchy** [AT83]. **High** [AOST93, BPP⁺17a, BPP⁺17b, ELMP12, GY90, GFN89, KSV⁺08, LLSG92, SBWT87, Ste97, TL93, Kel00, VVP⁺06, WVTP01]. **High-bandwidth** [KSV⁺08]. **High-level** [GY90, Kel00, VVP⁺06]. **High-Performance** [ELMP12, SBWT87]. **High-Speed** [Ste97, TL93, AOST93, GFN89, WVTP01]. **highly** [SBL00]. **Hill** [CY09]. **Hill-climbing** [CY09]. **Hint** [SH00]. **Hint-based** [SH00]. **Hints** [YFLS11]. **Hipster** [NCPM17]. **Histories** [Ng89]. **Hoc** [BYFK08, FKA10]. **HOP** [GF93]. **Hot** [HY92]. **Hot-Spot** [HY92]. **HP** [WGSS96]. **HTM** [CCW⁺17]. **HW** [KMG16]. **HW/SW** [KMG16]. **Hypercubes** [MLS97]. **Hypervisor** [BS96, SWF20]. **Hypervisor-Based** [BS96].

I/O [BMK01, CP94, Che87, HDV⁺12, Kot97, PDZ00, YSS⁺14, dBBB11].

identification [CT01]. **Identifying** [BCZY16, Kem83]. **ignoring** [EV03]. **Image** [SL83]. **Imbalance** [NDU⁺19]. **Implement** [Ng89]. **Implementation** [CFKL96, CKC12, DAH⁺12, DC85, RO92, WM87]. **Implementations** [GFN89]. **Implementing** [BN84, Ree83, Sch84]. **Implications** [SHG95]. **Implicit** [AD01]. **Improve** [GKXK13, SFKP12, CRL03, HBSBA03]. **Improved** [CM89, Jim05]. **improvement** [HSY05]. **Improving** [KP91, LCG⁺16, NCPM17, QBD⁺08, SBL05, YZP⁺12, BM00]. **In-Memory** [CCW⁺17, SKZ⁺19]. **Including** [GvB90]. **inconsistencies** [YKKK10]. **Inconsistent** [ZSS⁺18]. **Increase** [GM98, PS16]. **Increasing** [BGMS89]. **Incrementally** [CASM08]. **Independent** [Smi86]. **Index** [Ano84a, Ano96]. **Indexed** [KH92]. **Indirect** [AJ19]. **Induced** [BW84]. **infer** [ONA04]. **Inferring** [MSB⁺06]. **Information** [Ano83, Ano84b, EGH⁺14, HS96, PBS89, San87, AD01]. **Information-Flow** [EGH⁺14]. **Informing** [HMMS98]. **Injection** [MC11]. **Inserted** [Mow98]. **Instruction** [CLD⁺19, LEL⁺97, MF90, LM01, SMS⁺03]. **Instruction-Level** [LEL⁺97]. **Integrated** [CFKL96, RD99]. **Integrating** [Sat89, SFKW14]. **Integration** [BBCS19, FR86]. **Intel** [CGJ88, CCLP83]. **Intensive** [DTM95]. **Interface** [Che87, Fal87, Ste97, BJS01]. **interfacing** [BI13]. **Internet** [CCC⁺08, MS01, MSB⁺06]. **Internetwork** [KvRvST93]. **Internetworks** [DC90]. **Interposed** [ACV02]. **interposition** [RS04]. **Interprocess** [BALL91, CCLP83, FR86, PBS89]. **Interrupt** [MR97]. **Interrupt-Driven** [MR97]. **Introduction** [Jon83a, MT20, Mow12]. **intrusions** [KC05]. **Invocations** [GS93]. **IO** [PDZ00]. **IO-Lite** [PDZ00]. **ISA** [BMVS15]. **Issue** [Jha20, Jon83b, Jon84, Jon88, MT20, Mow12, Sch83, Smi84a]. **IX** [BPP⁺17a, BPP⁺17b].

Java [GS00]. **Job** [Kam84, Kam86].

K2 [LWZ15]. **Kernel** [ABLL92, BLH20, CZ85, GS93, LSPM15, MR97, WLMD16, CG86]. **Kernels** [EPP⁺12]. **Key** [BDZ⁺20, BBF83, LLL⁺16, Oka88]. **Keys** [Blu83].

L4 [HE16]. **Labels** [VEK⁺07]. **Language** [Fal87, GY90, SBRP12, RR99]. **languages** [HYC⁺03]. **LANs** [DC90]. **Large** [CZL⁺15, KH92, KCR11, LA93, RPC⁺13, Sat89, ABG⁺01, JMB05, KSV⁺08]. **Large-Scale** [CZL⁺15, LA93, RPC⁺13, ABG⁺01, KSV⁺08]. **Last** [Ske85]. **Latency** [BDZ⁺20, BPP⁺17a, BPP⁺17b, Mow98, TL93, Jim05]. **Lattice** [AJ93]. **Layers** [HP94]. **Layout** [CS83]. **Lazy** [LLSG92]. **leakage** [HKM02]. **Learning** [CLD⁺19]. **Lessons** [HE16]. **Let** [HKM02]. **Level** [AISS98, ABLL92, Har87, LEL⁺97, BALL91, CASM08, GEK⁺02, GY90, Kel00, KY04, PMJPKA05, SWF20, SCZM05, VVP⁺06]. **Level-Structured** [Har87]. **Leveraging** [SFKP12]. **Liberty** [VVP⁺06]. **Library** [SJS⁺17]. **Lifetime** [HBD97, FS04]. **Lifetimes** [Slo83]. **Lightweight** [BYFK08, BALL90, EGH⁺03, SMK⁺94, SBS91, VACG09]. **Limitations** [EBS⁺12]. **Limits** [TL93, YV06]. **Linda** [CG86]. **Linearizability** [AW94]. **linked** [CKP⁺04]. **Linux** [BLH20, PTS⁺14]. **Lite** [PDZ00]. **Livelock** [MR97]. **Load** [CJ10, HBD97, NDU⁺19]. **Loading** [Kam86]. **Local** [AOST93]. **Local-Area** [AOST93]. **Locality** [Mog92, HSY05, MT99]. **Lock** [ARJ97, GGL⁺19, IVO⁺19]. **Lock-Free** [ARJ97]. **Lock-Step** [IVO⁺19]. **Locking** [GGL⁺19, HA06, LDT⁺16]. **locks** [FH07]. **LOCKSS** [MRG⁺05]. **Log**

[BDZ⁺20, RO92, YZP⁺12, BMD⁺13]. **Log-Structured** [BDZ⁺20, RO92]. **Logging** [SHCG94, VLW⁺12]. **Logic** [BAN90, GMP92, MMM95]. **Long** [HZL⁺17]. **lookups** [SV99]. **Loop** [LP93, WY13, MT99]. **Loop-Based** [WY13]. **Loss** [PW97]. **lossless** [BA06]. **Low** [BPP⁺17a, BPP⁺17b, CDY⁺17, JB86, TL93, ZMAB09]. **Low-Latency** [TL93]. **low-overhead** [ZMAB09].

Machine [BWD⁺15, CLD⁺19, JBG⁺19, Jha20, LCWB⁺11]. **Mail** [CP86, SBL00]. **Maintenance** [AMMSB98]. **Manageability** [SBL00]. **Managed** [UNS⁺94]. **Management** [ABLL92, FR86, GHBRK12, HMSC88, HKB95, JB86, LE91, YFLS11, BMNW04, GTHR00, HLMM05, SJS⁺00, VBVO3]. **Manager** [LHM⁺84b]. **Managing** [FS04, TS88, GLL14]. **Markers** [BBF83]. **Market** [GLL14, MS01]. **masking** [ZMAB09]. **matching** [WVTP01]. **Matrix** [Kem83]. **Mean** [HBAK86]. **Measured** [CEC⁺96]. **Measurement** [CE85, GHPR88, IRH86, EV03]. **Measuring** [BHSR02, NYN03]. **Mechanisms** [Her87, HMMS98, Slo83, GLL14]. **Mechanistic** [NEC⁺15, EEKS09]. **Media** [AOG92, And93]. **Meet** [LSA⁺20]. **Membership** [AMMS⁺95, BYFK08, JVVJ15, KSMD02]. **Memories** [SNSC14, Str83, TS89]. **Memory** [AJ19, BALL91, CBZ95, CCW⁺17, DRG17, DTM95, EJ93, ELMP12, FR86, HLRW93, HMMS98, HL07, LE91, LH89, MVZ93, MCS91, MF90, NDU⁺19, SMK⁺94, SKZ⁺19, Sta84, Ste97, ACM04, BJS01, BI13, GS00, GTHR00, HLMM05, HJK07, KSH⁺05, YKA00]. **Merge** [BDZ⁺20]. **mesh** [ADMER10]. **Message** [LHM84a]. **Messages** [LSW91, RS92]. **metadata** [GMSP00]. **Metascheduling** [And93]. **Method** [AB83, Her86, QTZS07]. **Methodology** [Kem83]. **Methods** [GF93, SHG95, WB91, JL02]. **mice** [EV03]. **Microarchitectural** [AJ19]. **Microarchitectures** [GLL14]. **microkernel** [KAE⁺14]. **Microkernels** [HE16]. **Microprocessor** [HKS⁺83]. **microprocessors** [HL07]. **microsecond** [AD00]. **MIDDLE** [PMJPKA05]. **MIDDLE-R** [PMJPKA05]. **middleware** [PMJPKA05]. **Migration** [BWD⁺15]. **Military** [LHM84a]. **MIMD** [Kot97]. **Minerva** [ABG⁺01]. **Minimal** [MSL⁺11]. **Minimizing** [XMM07]. **Minimum** [MLS97]. **Minimum-Distance** [MLS97]. **mining** [VBV03]. **MIPS** [GHPR88]. **Mismatch** [FAK⁺12]. **Miss** [Smi85, Smi87, CT01, GO05, GVO07]. **misses** [CT01]. **Mitigating** [NDU⁺19]. **Mixed** [WLMD16]. **Mixed-Criticality** [WLMD16]. **Mobile** [LWZ15, RLCV11, SGH⁺13, ZR17, AKS11]. **Mobility** [JLHB88]. **Model** [AHH89, AB86, BAA90, GVM⁺11, LHM84a, MCB⁺93, CBG⁺08, EEKS09, YTEM06, YV02]. **Modeling** [IRH86, NEC⁺15, COM⁺09, GVO07, VVP⁺06]. **Models** [Bat95, JW98, GO05]. **Modern** [BMVS15, FAK⁺12, HL07]. **modular** [KMC⁺00]. **Monitoring** [EGH⁺14, JLSU87, MRF18, Sno88, VBVO3]. **Moshe** [KSMD02]. **Most** [LSW91]. **motion** [NYN03]. **Movement** [Kin90]. **Moves** [Tic84]. **Multi** [GHBRK12, CKP⁺04]. **multi-chain** [CKP⁺04]. **Multi-Tier** [GHBRK12]. **Multicast** [DC90, GMS91, SBS91, BHO⁺99, MS01]. **Multiclient** [YFLS11]. **Multicomputers** [SB90b]. **Multicore** [BCZY16, BZF10, CKZ⁺15, ELMP12, EBS⁺12, LDT⁺16, SFKP12, WY13, ZY17]. **Multidimensional** [AAC91]. **Multigrain** [YKA00]. **Multilevel** [GM87, YFLS11]. **multimedia** [NL03, YN06]. **Multiphase** [CGL85]. **Multiple**

[AMMSB98, LSPM15, RS92].
Multiple-Ring [AMMSB98].
Multiplication [DC85]. **Multiplier** [CS83].
multiprocessing [MG01]. **Multiprocessor**
[AB86, GS93, MCB84, PL85, SHG95, GO05,
GVO07]. **Multiprocessors**
[BALL91, BDGR97, HLRW93, Kot97, LE91,
LA93, MVZ93, MCS91, Mow98, TE95,
Epe98, GTHR00, HJK07, KSH⁺05].
Multiprogrammed [MVZ93].
Multiprogramming [AHH88, Kam86].
multisets [NTW09]. **Multisignature**
[Oka88]. **Multithreaded**
[SBN⁺97, SMS⁺03]. **Multithreading**
[LEL⁺97]. **multivariate** [GO05, GVO07].
Multiversion [CM86]. **Multiweight**
[GS93]. **Music** [AK90]. **Mutual**
[AE91, BGMS89, Lam87, Mae85, Ray89,
San87, SK85]. **MVA** [BKLC84].

Naming [CM89, Pet88]. **near** [ASS⁺05].
near-optimal [ASS⁺05]. **nest** [MT99]. **Net**
[CG86]. **Nets** [MCB84]. **Network**
[ADN⁺96, HO95, HY92, Mog92, NWO88,
OP92, Ste97, ADMER10, ACV02, AD00,
BJS01, HS03, SJS⁺00]. **Networking**
[SKH⁺16, GEK⁺02]. **Networks**
[AJ93, AOST93, BYFK08, CZL⁺15, ES83,
Kir87, KG83, PL85, RJ90, Rom84, Sau83a,
Sau83b, SLI11, TS85, TL93, Zha91, FKA10,
JMB05, KSH⁺05, SJS⁺00]. **Neural**
[CZL⁺15, JL02, Jim05]. **Next** [AGK⁺15].
No [Jha20]. **Nonblocking** [HLMM05].
nonoperational [GS00]. **normality**
[BHSR02]. **Normalization** [LP93].
notification [CRW01]. **novel** [BMNW04].
NTree [San88]. **NUMA** [LE91, LP93].

O [BMK01, CP94, Che87, HDV⁺12, Kot97,
PDZ00, YSS⁺14, dBBB11]. **obfuscation**
[RS10]. **Object** [BBH⁺98, GWS96, AFG99].
Object-Oriented [GWS96]. **Objects**
[ARJ97, GS93, Ng89, SB90b, Sta84,
ADK⁺07]. **offense** [WVB⁺10]. **Offloading**
[GKXX13]. **Once** [LSW91]. **online** [ZSV02].
only [FKM02]. **Operating**
[ACM88, AHH88, AISS98, BPP⁺17a,
BPP⁺17b, BBCS19, BDGR97, CLFL94,
CEC⁺96, Jon88, LWZ15, PLZ⁺16, SBWT87,
WABL94, KWDB06, SBL05, VEK⁺07].
Operation [KS92, BM00]. **Operations**
[HMMS98]. **Optimal**
[KG83, ASS⁺05, GLPQ10]. **Optimality**
[Kam84]. **Optimally** [MLS97]. **Optimistic**
[SY85, Rin99]. **optimization** [MWP⁺01].
Optimized [Kir87]. **Optimizer** [SKZ⁺19].
Optimizing [SGH⁺13, YSS⁺14, ZR17].
Orca [BBH⁺98]. **Order**
[San88, EEKS09, GLPQ10]. **Ordered**
[GMS91]. **Ordering**
[AMMSB98, AMMS⁺95, Rom84]. **Oriented**
[BWD⁺15, GWS96, KS97, SMS08].
Original [BDR⁺12]. **out-of-core** [BMK01].
out-of-order [EEKS09]. **overhead**
[DR99, ZMAB09]. **Overlap** [BW84].

Packet [Slo83, Zha91, HVP99].
packet-striping [HVP99].
Packet-Switched [Zha91]. **packets**
[SJS⁺00]. **packing** [BM00]. **PACS**
[HKS⁺83]. **Page** [KH92]. **Paged** [Sta84].
Papers [MT20]. **paradigm** [AMS⁺09].
Paradigms [PPA⁺15]. **Paragon** [DK13].
Parallel [AV04, BAA90, CLVW94, CF96,
EJ93, GLM91, GWS96, HKS⁺83, JW98,
LAB⁺13, WY13, RR99, VBR⁺04].
parallel-programming [VBR⁺04].
Parallelism [ABLL92, LEL⁺97, ALHH08].
parallelized [DR99, Rin99]. **Parallelizing**
[VLW⁺12, CASM08]. **Parameters** [GvB90].
Parametric [JEJ13]. **Parity** [SHCG94].
Parliament [Lam98]. **Part** [Lam98].
Part-Time [Lam98]. **Partial**
[BWD⁺15, San88]. **partitionable** [FLS01].
Partitioning [WPB⁺14, ZZNM02]. **Path**
[PL85]. **Peak** [CDY⁺17]. **Peer**
[BBCS19, JVG⁺07, MRG⁺05, QBD⁺08].
Peer-to-Peer

[BBCS19, MRG⁺⁰⁵, QBD⁺⁰⁸]. **Perfect** [MT99]. **Performance** [AHH88, AK90, BBH⁺⁹⁸, BMVS15, CFKL96, CM86, CP94, CEC⁺⁹⁶, CM89, Cla83, CE85, CDW06, CGJ88, DTM95, ES83, ELMP12, HMMS98, HKM⁺⁸⁸, KS97, LZCZ86, MCB84, PL85, PS16, SS96a, SFKP12, SLJ⁺¹⁴, SB90a, SBWT87, SGH⁺¹³, Sta84, TR84, TS85, WB91, AV04, BM00, COM⁺⁰⁹, EEKS09, HS03, HBSBA03, LN06, NYN03, QBD⁺⁰⁸, SBL00]. **Performance-Oriented** [KS97]. **persistent** [AFG99]. **Personal** [AISS98, CEC⁺⁹⁶, HLZ⁺¹⁶]. **Perspective** [AJ19]. **perturbation** [AKS11]. **perturbation-resilient** [AKS11]. **pervasive** [GDL⁺⁰⁴]. **Petri** [MCB84]. **Pfair** [HA06]. **Physical** [LSA⁺²⁰]. **Pipelined** [CS83]. **Pipes** [GG88]. **Pivot** [MRF18]. **Placement** [KH92]. **Planar** [AJ93]. **Plane** [PLZ⁺¹⁶]. **Platform** [CKC12, LLL⁺¹⁶]. **Policies** [Kam86, LE91]. **Policy** [Kam84, MVZ93, GB01]. **Pooling** [NDU⁺¹⁹]. **Porcupine** [SBL00]. **Portable** [GWS96, LDT⁺¹⁶]. **Power** [BCZY16, BMVS15, CDY⁺¹⁷, EBS⁺¹², EG85, GM98, GWSU13, ZTQ⁺¹⁷, BM00]. **Power-Efficient** [BCZY16]. **PowerNap** [MGW11]. **Practical** [CL02, ZMAB09, RD99]. **Practice** [LABW92]. **Pragmatic** [GGL⁺¹⁹]. **pre** [KY04]. **pre-execution** [KY04]. **Predicted** [CP94]. **Predicting** [YKKK10]. **Prediction** [GM98, PS16, SS96a, TS85, AV04, JL02, Jim05]. **Preface** [Jon83b, Jon84, Jon88, Sch83, Smi84a]. **prefetch** [CKP⁺⁰⁴]. **Prefetching** [AJ19, CFKL96, Mow98, TE95, APD03, BMK01, CKP⁺⁰⁴, LM01]. **prefix** [SV99, WVTP01]. **Presence** [BJ87]. **preservation** [MRG⁺⁰⁵]. **Preserving** [PBS89]. **Preventing** [BDZ⁺²⁰, YKKK10]. **Primitive** [LCWB⁺¹¹]. **Primitives** [SBWT87, Rin99]. **Principles** [Jon88, Smi86, ACM88]. **Priority** [BKLC84]. **Privacy** [EGH⁺¹⁴]. **Proactive** [RS10, CL02]. **Probabilistic** [DRG17, FKA10, EGH⁺⁰³]. **Problem** [AT83, Tic84, GMSP00]. **Procedure** [BALL90, BN84, Bir85]. **Procedures** [GG88]. **Process** [CZ85, HBD97, Ske85]. **Processes** [Mog92, VEK⁺⁰⁷]. **Processing** [CCW⁺¹⁷, GWS96, Kam84, Kam86, SKZ⁺¹⁹, AD00]. **Processor** [CCLP83, GHPR88, IVO⁺¹⁹, Kam84, MVZ93, MF90, BM00, CY09]. **Processors** [CDY⁺¹⁷, CKZ⁺¹⁵, FAK⁺¹², GJT⁺¹², SS83, Sch84, EEKS09, RLCV11, SMS⁺⁰³]. **Profile** [Pet88]. **Profiling** [ABD⁺⁹⁷]. **Program** [Atk88, AV04, ZZNM02]. **Programmability** [LAB⁺¹³]. **Programmable** [Fal87, BI13]. **Programming** [CM88, FH07, RR99, VBR⁺⁰⁴]. **Programs** [DTM95, GY90, SBN⁺⁹⁷, SKH⁺¹⁶, WY13, DR99, Rin99]. **Proof** [GM87]. **Protected** [BPP^{+17a}, BPP^{+17b}]. **Protection** [BAA90, CLFL94, HP87, San88]. **Protocol** [AMMSB98, AMMS⁺⁹⁵, BBF83, GKXK13, GvB90, KvRvST93, Kir87, SL83]. **Protocols** [AB86, AGK⁺¹⁵, CM84, CGL85, KP91, SL83, Sha89, AKS11, HVP99, RR99, SMS08, VBR⁺⁰⁴]. **Providing** [LLSG92]. **Provisioning** [GWSU13, ABG⁺⁰¹]. **Pseudorandom** [Sha83]. **Public** [HP87, Oka88]. **Public-Key** [Oka88]. **Publication** [Bir97]. **Publish** [CJ10, JEJ13, SLI11]. **Publish/Subscribe** [CJ10, JEJ13]. **Purpose** [ZR17, BJS01]. **QoS** [DK13]. **QoS-Aware** [DK13]. **Quantifying** [FAK⁺¹², MT99]. **Quantitative** [JW98]. **Queueing** [ES83, KG83, Sau83a]. **Queuing** [Sau83b, TS85]. **Quick** [HZL⁺¹⁷]. **Quickly** [ASS⁺⁰⁵]. **QuickSilver** [HMSC88]. **Quorum** [Her86, FKA10]. **Quorum-Consensus** [Her86].

R [LHM⁺84b, PMJPKA05]. **Race** [SBN⁺97]. **Rack** [NDU⁺19]. **Rack-Scale** [NDU⁺19]. **RAID** [CLVW94]. **RAMCloud** [OGG⁺15]. **Random** [BYFK08]. **Range** [WPB⁺14]. **rate** [GO05]. **rates** [GVO07]. **Ratio** [Smi85, Smi87]. **RaWMS** [BYFK08]. **RDMA** [CCW⁺17]. **read** [FKM02]. **read-only** [FKM02]. **Reading** [Lam90]. **Real** [ARJ97, BS91, GS93, KH92, MMM95, SBWT87, KPHV11, XMM07]. **Real-Indexed** [KH92]. **Real-Time** [BS91, GS93, MMM95, SBWT87, ARJ97, KPHV11, XMM07]. **Realtime** [EGH⁺14]. **Rearrangement** [AS95]. **Reasoning** [GMP92]. **Reassignment** [BGMS89]. **Receive** [MR97]. **Reconfiguration** [DD98]. **record** [RD99]. **record/replay** [RD99]. **Recoverable** [SMK⁺94]. **Recovering** [SABL06]. **Recovery** [DKM96, HMSC88, MC11, SY85, CL02]. **RecPlay** [RD99]. **Recursive** [DC85]. **Reduce** [PS16]. **Reduced** [HL91]. **Reducing** [CBZ95, HKM02]. **Redundant** [PL85]. **Redundant-Path** [PL85]. **REEF** [CCC⁺17]. **Register** [GJT⁺12, HL91]. **Reining** [HZZ⁺17]. **Related** [CBZ95]. **Relational** [Sno88]. **Relevance** [BMVS15]. **Reliability** [Bab87, IRH86, ZTQ⁺17, SBL05]. **Reliable** [BJ87, CM84, GMS91, KS91, KP91, PGM89]. **Remark** [Smi87]. **Remote** [BALL90, BN84, Bir85, GG88]. **Replay** [VLW⁺12, RD99]. **Replicated** [Her87, JB86, YV02, YV06]. **Replication** [Her86, JBG⁺19, Jha20, LLSG92, ZSS⁺18, PMJPKA05, VACG09]. **request** [ACV02]. **Requests** [Kin90, LLL⁺16]. **Requirements** [CDY⁺17, JT88]. **Research** [HE16]. **Reservation** [And97]. **resilient** [AKS11]. **Resource** [HS96, Kem83, LCG⁺16, ZHD⁺19, ABG⁺01, CY09, GTHR00]. **Response** [Har87, ONA04]. **Responsibility** [GKXX13]. **Responsive** [Smi86]. **Restoring** [HL91]. **Restructuring** [LP93]. **Retainable** [CCC⁺17]. **Retargetable** [SWF20]. **Rethink** [NVCF08]. **Reuse** [BCZY16, WY13, ZY17]. **Ring** [AMMSB98, AMMS⁺95]. **RISC** [BMVS15]. **River** [AD03]. **Robotics** [SBWT87]. **Robust** [GHBRK12, VBV03]. **Rollback** [GF93]. **Round** [KP91]. **Round-Trip** [KP91]. **router** [KMC⁺00]. **Routing** [DC90, KG83, MLS97, ACV02]. **RPC** [SB90a]. **Rule** [CKZ⁺15, GFN89]. **Rule-Based** [GFN89]. **Run** [AD03, EJ93, GWS96, HYC⁺03]. **Run-Time** [EJ93, GWS96, AD03, HYC⁺03]. **Running** [BDZ⁺20, BDGR97]. **Runtime** [CT01]. **Rx** [QTZS07]. **Ryoan** [HZX⁺18]. **S** [CG86]. **S/Net** [CG86]. **S2E** [CKC12]. **safe** [HYC⁺03, QTZS07]. **sampling** [BMK07, JVG⁺07]. **Sandbox** [HZX⁺18]. **Saving** [HL91]. **Saving/Restoring** [HL91]. **Scalable** [BDGR97, CKZ⁺15, HLS95, HLRW93, JVVJ15, MCS91, WVTP01, AMS⁺09, ACV02, SBL00, VBV03, KCR11, NTW09]. **Scale** [CZL⁺15, FAK⁺12, GVM⁺11, HLZ⁺16, HKM⁺88, HZL⁺17, LA93, LCG⁺16, Mog92, NDU⁺19, RPC⁺13, ABG⁺01, KSV⁺08]. **Scale-Out** [FAK⁺12]. **Scaling** [CP94, SLJ⁺14, WY13, XMM07]. **Scheduler** [ABLL92, GJT⁺12, KWS97, NL03]. **Scheduler-Conscious** [KWS97]. **Scheduling** [AOST93, BZF10, CFKL96, DRG17, GD87, KPHV11, Kam84, MCB⁺93, PS16, PGM89, SFKP12, AD01, CKP⁺04, DK13, Epe98, HBSBA03, HA06, HL07, QBD⁺08, YN06]. **Scheme** [HKB95, Oka88, RJ90]. **Scientific** [HKS⁺83]. **Seamless** [BBCS19]. **seance** [MG01]. **search** [RLCV11]. **SEATTLE** [KCR11]. **Second** [LLL⁺16]. **Secret** [Blu83, HZX⁺18]. **Sector** [TS89]. **Secure** [Bir85, GM87, JVVJ15, ZZNM02, FKM02, ZSV02]. **Securing** [SLI11]. **Security**

[BAA90, GMP92, JT88, LHM84a, RBvR94, Sat89]. **Seer** [DRG17]. **Selective** [VACG09]. **Self** [CP94, SLJ⁺14]. **Self-Scaling** [CP94]. **Self-Tuning** [SLJ⁺14]. **Sensors** [Mar90]. **Sentinel** [MCB⁺93]. **Separating** [GB01]. **Separation** [WLMD16]. **Sequences** [Sha83]. **Sequential** [AW94, VLW⁺12]. **Serialization** [AB83]. **serious** [YTEM06]. **Server** [AB83, LLL⁺16, MGW11, AFG99, ONA04, QBD⁺08]. **server-side** [QBD⁺08]. **Serverless** [ADN⁺96]. **Servers** [ZHD⁺19, CDW06, ZMAB09]. **Service** [CM89, GvB90, JVVJ15, Pet88, CRW01, FLS01, KSMD02, KWDB06, MSB⁺06, SBL00, BYFK08]. **Services** [JBG⁺19, Jha20, WM87, BHSC98, YV02, YV06]. **Serving** [NDU⁺19]. **Set** [CLD⁺19, SA95]. **Set-Associative** [SA95]. **Sets** [JT88]. **Shared** [ARJ97, BBH⁺98, BALL91, CBZ95, EJ93, HLRW93, Kem83, KSH⁺05, LH89, MVZ93, MCS91, SS84, BMD⁺13, BJS01, GTHR00, Kel00, YKA00]. **Shared-Memory** [CBZ95, EJ93, MVZ93, MCS91, GTHR00]. **Shared-Object** [BBH⁺98]. **Sharing** [CLFL94, ZHD⁺19, HYC⁺03]. **Shielding** [BPH15]. **side** [QBD⁺08]. **SIGOPS** [ACM88]. **Silicon** [EBS⁺12]. **SILK** [BDZ⁺20]. **Simple** [HKB95]. **Simulation** [AB86, CE85, SA95, VVP⁺06, WB91]. **Simulations** [GLM91]. **Simultaneous** [LEL⁺97, SMS⁺03]. **Sinfonia** [AMS⁺09]. **Single** [AMMS⁺95, CLFL94, HL91, LSPM15, LLL⁺16]. **Single-Address-Space** [CLFL94]. **Single-Ring** [AMMS⁺95]. **Single-Window** [HL91]. **Sirius** [HLZ⁺16]. **Size** [HBSBA03]. **Size-based** [HBSBA03]. **sized** [HLMM05]. **sketches** [NTW09]. **SKMD** [LSPM15]. **Sleep** [BLH20]. **Sleep-in-atomic-context** [BLH20]. **slow** [NYN03]. **slow-motion** [NYN03]. **Small** [CZL⁺15, Sta84]. **Small-Footprint** [CZL⁺15]. **Smart** [SJS⁺00, NL03]. **Smartphone** [DAH⁺12]. **Smartphones** [EGH⁺14]. **SMesh** [ADMER10]. **SMMP** [ADK⁺07]. **SMT** [CY09]. **Snapshots** [CL85]. **SnowFlock** [LCWB⁺11]. **Soft** [AD00, GMSP00, VACG09]. **Software** [AJ19, BS91, CKZ⁺15, GGL⁺19, HP87, HLRW93, Smi86, UNS⁺94, WPB⁺14, YZP⁺12, AD00, CBG⁺08, MWP⁺01, QTZS07]. **Software-Managed** [UNS⁺94]. **Solid** [SNSC14]. **Solid-State** [SNSC14]. **Solution** [AE91, AT83, GMSP00]. **Sorting** [RPC⁺13]. **Source** [ELMP12, KY04]. **source-level** [KY04]. **Space** [CLFL94]. **Spanner** [CDE⁺13]. **Spatial** [PPA⁺15]. **SPEC'95** [MT99]. **Special** [Jon83b, Jon84, Jon88, MT20, Mow12, Sch83, Smi84a]. **Specialization** [MWP⁺01, SFKP12]. **Specific** [CDY⁺17]. **Specification** [GM87, SL83]. **Specifications** [GvB90, MMM95]. **Specifying** [FLS01, HJK07]. **speculation** [CASM08, SCZM05]. **Speculative** [GM98, KMG16, MCB⁺93, NCF06, SMS⁺03, KAD⁺09]. **Speed** [Ste97, TL93, AOST93, GFN89, WVTP01]. **Spikes** [BDZ⁺20]. **SPIN** [BBCS19]. **Spot** [HY92]. **Sprinting** [ZFF⁺17]. **Sprite** [NWO88]. **SR** [Atk88]. **SSDs** [BBCS19, ZTQ⁺17]. **Stack** [LLL⁺16, TS89]. **Stackable** [HP94]. **STAMPede** [SCZM05]. **standards** [BI13]. **State** [JBG⁺19, Jha20, SNSC14, Sau83a, Sau83b]. **State-Dependent** [Sau83a, Sau83b]. **Stateful** [RS04]. **stateless** [SMS08]. **States** [CL85]. **Static** [KMG16, PS16, Sta84]. **Stating** [JT88]. **stealing** [ALHH08]. **Step** [IVO⁺19]. **Stochastic** [MCB84]. **stock** [MS01]. **Stop** [SS83, Sch84]. **Storage** [CM88, JLL⁺16, Kem83, MSL⁺11, OGG⁺15, SNSC14, SGH⁺13, WGSS96, YSS⁺14, ABG⁺01, ACV02, ASS⁺05, CDG⁺08, HSY05]. **Store** [LLL⁺16, AFG99]. **Stored** [TS88]. **Stores** [BDZ⁺20]. **Strategies** [TR84, ZFF⁺17, BM00]. **Stream** [Kam84, Kam86]. **Streamline** [dBBB11]. **Streams** [HKB95]. **String** [Tic84].

String-to-String [Tic84]. **Striped** [HO95]. **striping** [HVP99]. **Strong** [PW97, Sha83]. **Structure** [San87]. **Structured** [BDZ⁺20, Har87, HBAK86, RO92, CDG⁺08]. **Structures** [Atk88, CKP⁺04, HLMM05]. **Study** [GF93, SS96b, ZY17, KWDB06, KY04]. **Subscribe** [CJ10, JEJ13, SLI11]. **Subscribers** [Rom84]. **Substrate** [ELMP12]. **Subsystem** [YSS⁺14]. **Supercloud** [SJS⁺17]. **superscalar** [EEKS09]. **Support** [ABLL92, EJ93, GS93, GWS96, HL91, AD00, BJS01, GDL⁺04, HS03, HLMM05, HYC⁺03, LM01]. **Supporting** [KvRvST93]. **Supports** [HKB95]. **survive** [QTZS07]. **SW** [KMG16]. **Switch** [AOST93]. **Switched** [MLS97, Zha91]. **symmetric** [KSH⁺05]. **Symposium** [ACM88]. **sync** [NVCF08]. **Synchronization** [HY92, KWS97, LA93, MCS91, DR99, Rin99]. **Synchronized** [LSW91]. **Synchronizing** [SS84]. **System** [AHH88, AISS98, AK90, AOG92, BBH⁺98, BPP⁺17a, BPP⁺17b, BBCS19, BKT85, CLFL94, Che87, CF96, DKM96, DTM95, EGH⁺14, GM87, GDL⁺04, HO95, HKM⁺88, IRH86, JLHB88, Koc87, KS97, KLS86, LHM84a, LWZ15, MJLF84, NWO88, NCPM17, OGG⁺15, PLZ⁺16, PGM89, RPC⁺13, RO92, SRC84, Sat89, SBN84, SBWT87, SS96b, SWF20, SLI11, TS88, WGSS96, WABL94, BHSC98, BHSR02, CDG⁺08, FKM02, HP94, KWDB06, KSH⁺05, MRG⁺05, MS01, MWP⁺01, NCF06, PDZ00, RD99, SFKW14, VVP⁺06, VBV03, VEK⁺07, YTEM06, KS92]. **System-level** [SWF20]. **systematic** [MWP⁺01]. **Systems** [ACM88, AB83, ADN⁺96, And97, Bab87, Bat95, BAA90, BZF10, BDGR97, CBZ95, CL85, CEC⁺96, Che87, CJ10, CDD96, ELMP12, Fal87, GGL⁺19, GFN89, GVM⁺11, Har87, Jha20, Jon88, JB86, JLSU87, KvRvST93, Kam86, LABW92, LH89, MRF18, Mae85, MMM95, MCB84, PL85, PW97, RBvR94, SFKP12, SS83, SBWT87, Smi86, Sno88, Ste97, SY85, WLMD16, AMS⁺09, ABG⁺01, AD01, CBG⁺08, FKA10, GMSP00, GEK⁺02, GB01, HSY05, KSV⁺08, MG01, SBL05, VBR⁺04, XMM07, YKKK10]. **Tailored** [dBBB11]. **Tails** [HZL⁺17]. **TaintDroid** [EGH⁺14]. **Taos** [WABL94]. **task** [AV04]. **TCLS** [IVO⁺19]. **TCP** [GKXK13, ZMAB09]. **TCP-based** [ZMAB09]. **Technique** [BW84, VACG09]. **Techniques** [CBZ95, MWP⁺01]. **technology** [VBV03]. **Test** [MMM95]. **Testing** [GVM⁺11, MC11]. **Their** [HMMS98]. **Theory** [LABW92]. **thin** [LN06, NYN03]. **thin-client** [LN06, NYN03]. **Thread** [GJT⁺12, LEL⁺97, CASM08, SCZM05]. **Thread-Level** [LEL⁺97, CASM08, SCZM05]. **Throttling** [ELMP12]. **Throughput** [BPP⁺17a, BPP⁺17b, GKXK13, GJT⁺12, GLPQ10, LLL⁺16]. **TickerTAIP** [CLVW94]. **Tier** [GHBRK12]. **Time** [BS91, EJ93, GS93, GWS96, KP91, Lam98, MMM95, RS92, SBWT87, ARJ97, AD03, HYC⁺03, KPHV11, ONA04, XMM07]. **Time-Critical** [RS92]. **timer** [AD00]. **timers** [AD00]. **Times** [Har87]. **Timestamp** [AJ93]. **Timing** [Kem83]. **TLBs** [UNS⁺94]. **TLS** [CDW06]. **TMR** [PGM89]. **TOCS** [Jha20, Bir97]. **Tolerable** [JT88]. **Tolerance** [BBG⁺89, BS96, CM89, DD98, PW97, CL02, CRL03, CDD96, KAD⁺09]. **Tolerant** [AE91, Bab87, JB86, RBvR94, SS83]. **Tolerating** [Mar90, Mow98]. **tool** [ABG⁺01]. **toolkit** [BMNW04]. **tools** [MWP⁺01]. **Topologies** [SB90b]. **Topology** [AMMSB98]. **total** [GLPQ10]. **Totem** [AMMSB98, AMMS⁺95]. **Trace** [BMK07, WB91]. **Trace-Driven** [WB91].

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Ufo [AISS98]. **UIO** [Che87]. **Ultra** [CDY⁺17]. **Ultra-Low-Power** [CDY⁺17]. **Unboundedly** [GLM91]. **Undefined** [WZKSL15]. **Understanding** [BMVS15, HDV⁺12]. **unified** [PDZ00]. **Uniform** [Che87]. **uniprocessors** [KPHV11]. **UNIX** [BBG⁺89, MJLF84]. **Unlock** [GGL⁺19]. **Untrusted** [BPH15, HZX⁺18]. **Uppcall** [Atk88]. **update** [GMSP00]. **updates** [GMSP00]. **usage** [Epe98]. **USENIX** [MT20]. **User** [AISS98, ABLL92, BALL91]. **User-Level** [AISS98, ABLL92, BALL91]. **Using** [AB86, Bat95, BBF83, BW84, Bir85, CCW⁺17, DD98, GM98, HZL⁺17, LLSG92, MC11, Ng89, ONA04, PBS89, SL83, SA95, YTEM06, ZY17, AV04, DR99, FLS01, GO05, GF93, GTHR00, MT99, NYN03, Oka88, RS92, Rin99, SV99, CRL03].

V [CZ85]. **Value** [BDZ⁺20, BM00, GM98, HBAK86, LLL⁺16, PS16]. **Value-based** [BM00]. **Valued** [Mar90]. **Variable** [Sha89]. **VAX** [Cla83, CE85]. **VAX-11** [Cla83, CE85]. **VAX-11/780** [Cla83, CE85]. **VAXclusters** [KLS86]. **Vectorization** [KMG16]. **Vectorizer** [KMG16]. **Venice** [ZHD⁺19]. **Verification** [GF93, KAE⁺14]. **Verifications** [SL83]. **Verified** [Sha89]. **Versus** [Her87, AW94]. **Vesta** [CF96]. **via** [BCZY16, BJS01, ELMP12, HKM02, LEL⁺97, SFKP12, SLJ⁺14, YZP⁺12]. **Video** [And97]. **Vigilante** [CCC⁺08]. **Virtual** [BWD⁺15, DAH⁺12, FR86, LCWB⁺11, LH89, SMK⁺94, Sta84, BJS01, GTHR00]. **VirtualClock** [Zha91]. **Virtualization** [BDR⁺12]. **Virtualized** [GKXX13, WLMD16]. **Vision** [HLZ⁺16]. **VLSI** [CS83]. **VM** [SGH⁺13]. **VM-Based** [SGH⁺13]. **VMware** [BDR⁺12]. **Voice** [HLZ⁺16, TS88]. **Voltage** [HZL⁺17, XMM07]. **Volume** [Jha20]. **Vote** [BGM86, BGMS89]. **Voting** [AAC91]. **Vulnerability** [BGM86, NEC⁺15].

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x86 [BDR⁺12].

Years [HE16].

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