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$^{\mathrm{arc}}$ [GS93]. N [SHG95, Mae85].

-Body [SHG95].

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

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

36 [Jha20].

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

780 [Cla83, CE85].

Abstract [Her86, SS84]. **abstraction** [CRL03, Kel00]. **Abstractions** [SKH+16]. **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]. **across** [LBM+21]. **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]. **Aerial** [BGK+21]. **Affected** [IRH86]. **Affine** [ZXD+23]. **Aggregate**

[AB83]. **Aggregation** [BCK^{+}21, JMB05]. **Aggressive** [GWSU13]. **AI** [RDB^{+}21]. **Air** [CDD96]. **al** [Jha20]. **Algorithm** [Bad86, DC85, HBAK86, Lam87, Mae85, Ray89, SK85, Zha91]. **Algorithms** [CM86, GD87, GLM91, KS91, KH92, LA93, MCS91, San87, Sau83a, Sau83b, TS89, KY04]. **allergies** [QTZS07]. **Allocation** [DTM95, Koc87, MVZ93]. **Alpine** [BKT85]. **Analysis** [BCZY16, GGL^{+}19, HBAK86, PL85, SS96a, Smi85, Smi87, TR84, TS89, WB91, WY13, WPB^{+}14, ZTQ^{+}17, ZWH^{+}21, AV04, CDW06]. **Analytical** [AHH89]. **Analytics** [JLL^{+}16]. **Analyzing** [AB83]. **anomaly** [COM^{+}09]. **Anticipation** [Kin90]. **Apache** [CCC^{+}17, SYE^{+}21]. **APLOS** [Mow12]. **Apple** [HDV^{+}12]. **Appliances** [ZZW^{+}21]. **Application** [CFKL96, CDY^{+}17, YFLS11, dBBB11, CKP^{+}04, GEK^{+}02]. **Application-Controlled** [CFKL96]. **application-level** [GEK^{+}02]. **Application-Specific** [CDY^{+}17]. **Application-Tailored** [dBBB11]. **Applications** [BPH15, CKC12, FAK^{+}12, GS93, HDV^{+}12, HMMS98, RDB^{+}21, SWB^{+}23, Ste97, APD03, BMK01, COM^{+}09, GDL^{+}04, NL03, YN06]. **Applied** [GF93]. **applying** [SJS^{+}00]. **Approach** [CP94, Kem83, NCPM17, RS92, SS83, SBRP12, Sno88, WZKSL15, LM01, SMS08, SCZM05, VVP^{+}06]. **Appropriate** [WM87]. **Approximate** [SNSC14]. **Approximation** [BKLC84, SLJ^{+}14]. **Architecting** [LLL^{+}16]. **Architectural** [CGJ88, HL91, LM01, NEC^{+}15, XDH^{+}21]. **Architecture** [BDR^{+}12, CLVW94, CM88, CLD^{+}19, DAH^{+}12, GHPR88, KCR11, MGW11, MF90, OP92, RBvR94, SLI11, Ste97, ZFF^{+}17, ZZW^{+}21, ZHD^{+}19, ZCR^{+}21, HVP99, SSM^{+}07]. **Architectures** [BMVS15, LDT^{+}16, PPA^{+}15, SHG95, Smi84b, HS03]. **Area** [AOST93, SS96b, CRW01, KSH^{+}05, LN06].

Arguments [SRC84]. **Arm** [Kin90, IVO^{+}19]. **Arrakis** [PLZ^{+}16]. **Array** [HKS^{+}83]. **Arrays** [SHCG94]. **Article** [Jha20]. **Asbestos** [VEK^{+}07]. **Assignments** [BGM86]. **Assistant** [HLZ^{+}16]. **Assisting** [KMG16]. **Associative** [SA95]. **Astrolabe** [VBV03]. **Asymmetric** [SFKP12]. **At-Most-Once** [LSW91]. **ATC** [MT20]. **Atomic** [AC92, Ng89, Ree83, SBS91, AKS11, BLH20]. **Atomicity** [GS93, Her87]. **Attested** [SWB^{+}23]. **Audio** [And97]. **Audio/Video** [And97]. **Authentication** [BAN90, LABW92, WABL94]. **Author** [Ano96]. **authority** [ZSV02]. **Authors** [Ano83, Ano84b]. **Automated** [COM^{+}09, ABG^{+}01]. **automatic** [HSY05, KY04]. **automatically** [DR99, Rin99]. **Autonomous** [BGK^{+}21]. **AutoRAID** [WGSS96]. **AutoScale** [GHBRK12]. **Availability** [BGMS89, Her87, LLSG92, SBL00, YV06]. **Avoidance** [RJ90]. **Award** [MT20]. **Aware** [BZF10, DK13, BA06, FS04].

Back [TS89]. **Backtracking** [KC05]. **Balanced** [RPC^{+}13]. **Balancing** [CJ10, HS03, HBD97]. **bandwidth** [KSV^{+}08]. **BASE** [CRL03]. **Based** [AISS98, Bab87, BYFK08, Bat95, BS96, CJ10, CP86, GFN89, JEJ13, Koc87, KS97, LSW91, Ray89, SGH^{+}13, TE95, WY13, BM00, BMK01, HBSBA03, JMB05, JVG^{+}07, SBL00, SH00, YV02, ZMAB09]. **Basis** [HS96]. **Batteries** [GWSU13]. **battery** [FS04]. **Behavior** [Bat95, HDV^{+}12, Str83, WZKSL15, GS00, HKM02]. **Behind** [MBH^{+}94]. **being** [BMVS15]. **Benchmark** [SS96a]. **benchmarking** [NYN03]. **Benchmarks** [CP94, MT99]. **Between** [BBCS19, FAK^{+}12, LAB^{+}13, ZXD^{+}23]. **BFT** [AGK^{+}15]. **Big** [CZW^{+}21, JLL^{+}16]. **Bigtable** [CDG^{+}08]. **Bijective** [Oka88]. **Billion** [LLL^{+}16].

Billion-Requests-Per-Second [LLL+16]. **Bimodal** [BHO+99]. **Binary** [DC85, RJ90]. **Binomial** [SA95]. **Blackboxes** [KBK+21]. **Block** [AS95, KS97, Tic84, YSS+14]. **Blockchains** [SWB+23]. **BlueDBM** [JLL+16]. **Body** [SHG95]. **Boosting** [HZL+17, XDH+21]. **Bottleneck** [KG21]. **Bound** [ES83]. **Bounds** [Slo83, TS85]. **branch** [JL02, Jim05]. **Bringing** [BDR+12]. **Broadband** [Kir87]. **Broadcast** [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** [CV21, CL02, KAD+09, Sch84].

Cable [Rom84]. **Cache** [AHH88, AHH89, AB86, BCZY16, Cla83, LBM+21, MBH+94, Smi85, Smi87, Str83, SA95, TS87, TE95, WB91, YFLS11, BMK07, CT01, GO05, GVO07, HKM02]. **Cache-Incoherent** [LBM+21]. **Caches** [KH92, HKM02]. **Caching** [CFKL96, NWO88, PDZ00, SH00]. **Calculations** [HKS+83]. **Call** [APD03, BALL90]. **Calls** [BN84, Bir85]. **Calypso** [DKM96]. **Capacity** [GHBRK12]. **cardinality** [NTW09]. **carried** [ZCR+21]. **Cascade** [EG85]. **Case** [GF93, KWDB06]. **Cases** [MMM95]. **Causal** [MRF18, SBS91]. **Cells** [DAH+12]. **Cellular** [GTHR00]. **Center** [RDB+21, ZHD+19]. **Centers** [GHBRK12]. **Central** [Kam84]. **Centralized** [BAA90]. **Certes** [ONA04]. **certification** [ZSV02]. **chain** [CKP+04]. **Chaining** [KBK+21]. **Challenge** [EBS+12]. **Channels** [Kem83]. **CHAOS** [GS93]. **Characteristics** [SS96a]. **characterizations** [GS00]. **Charlotte** [SWB+23]. **checking** [YTEM06]. **Checkpointing** [TR84]. **Chip** [Bis22, GF93]. **Choices** [WM87]. **Chores** [EJ93]. **Ciphers** [EG85]. **Circuit** [MLS97]. **Circuit-Switched** [MLS97]. **CISC** [BMVS15]. **Class** [LCWB+11, MCB84]. **click** [KMC+00]. **client** [AFG99, LN06, NYN03, ONA04]. **client-server** [AFG99]. **climbing** [CY09]. **clock** [BM00]. **Clocks** [Lam90, LSW91]. **Cloning** [LCWB+11]. **Closed** [KG83]. **Closely** [KLS86]. **Closely-Coupled** [KLS86]. **Cloud** [BPH15, JBG+19, Jha20, LCWB+11, MSL+11, NCPM17, SJS+17]. **Cluster** [VBR+04, GLPQ10, SBL00]. **cluster-based** [SBL00]. **Clusters** [EPP+12, GTHR00, KSH+05]. **Coarse** [PPA+15]. **Coarse-Grained** [PPA+15]. **COCA** [ZSV02]. **Coda** [KS92, Sat02]. **Code** [MC11, ZWH+21, 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, XDH+21, 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]. **Compilers** [ZXD+23]. **Complex** [Sno88]. **Complexity** [CGJ88, PS16]. **component** [CBG+08]. **Composable** [SWB+23]. **Compositions** [KS97]. **Comprehensive** [GO05, GVO07, KAE+14]. **compression** [BA06]. **Computation** [HZX+18, JW98, LHM+84b].

Computational [Sau83a, Sau83b, ZFF+17]. **Compute** [BGK+21]. **Computer** [AB83, AK90, BW84, CEC+96, IRH86, Jha20, RJ90, Smi84b]. **Computers** [HLZ+16, HZL+17, LP93]. **Computing** [ARJ97, Bab87, EJ93, SS83, SGH+13, XBO+21, ZR17, KSH+05, LN06]. **Concurrency** [AC92, CM86, Her87]. **Concurrent** [FH07, GY90, HLS95, Lam90, SMH+21]. **Configurable** [ELMP12, BHSC98]. **Configuration** [SBRP12]. **conflict** [CT01]. **Congestion** [RJ90]. **conit** [YV02]. **conit-based** [YV02]. **connection** [SMS08]. **connection-oriented** [SMS08]. **Conscious** [KWS97]. **Consensus** [Bab87, CV21, Her86]. **Consensus-Based** [Bab87]. **Consideration** [Smi87]. **Considerations** [Smi85]. **Consistency** [AW94, CBZ95, GS00, HJK07, YV02]. **Consistency-Related** [CBZ95]. **Consistent** [ZSS+18, PMJPKA05]. **Constraints** [BGMS89]. **Constructing** [CGL85, Smi86, BHSC98]. **construction** [KY04]. **consumption** [XMM07]. **Container** [XBO+21, XBO+21]. **containment** [CCC+08]. **Content** [BW84, CJ10, JEJ13]. **Content-Based** [CJ10, JEJ13]. **Content-Induced** [BW84]. **Contention** [BZF10, Kir87]. **Contention-Aware** [BZF10]. **Context** [PBS89, BLH20]. **Continuous** [AOG92, And93, ABD+97, HKB95, Mar90, YV02]. **Continuous-Valued** [Mar90]. **Continuum** [GD87]. **Control** [AT83, AC92, CM86, CDD96, PPA+15, PLZ+16, SBWT87, Sha89, Zha91, GB01]. **Controlled** [CFKL96, MCB+93, SV99]. **controller** [BI13]. **conventional** [ACM04]. **Conversation** [CP86]. **Conversation-Based** [CP86]. **Converting** [LEL+97]. **Cooperative** [HLRW93, LM01, SH00]. **coordinated** [AD01]. **Copy** [RS92]. **Core** [IVO+19, RSJM21, SFKP12, BMK01]. **CORFU** [BMD+13]. **Correction** [Tic84]. **Corrigendum** [BPP+17a, Jha20, Sau83b]. **coscheduling** [AD01]. **Cost** [JB86, RDB+21]. **costs** [YV06]. **Counting** [HLS95]. **Coupled** [KLS86]. **Coupling** [ACM04]. **Coyote** [BHSC98]. **CPU** [LSPM15, YN06]. **CPUs** [ZR17]. **Critical** [RS92]. **Criticality** [WLMD16]. **Cross** [SWB+23]. **Cross-Domain** [SWB+23]. **Cryptographic** [AT83]. **Cryptographically** [Sha83]. **Cryptography** [KWDB06]. **Cryptosystems** [Oka88]. **customizable** [RR99]. **Customized** [HS96]. **Cycles** [ABD+97].

Dadda [CS83]. **Dark** [EBS+12]. **Data** [AC92, CZW+21, GHBRK12, Her86, Her87, HZX+18, JB86, JLL+16, LAB+13, NDU+19, Ree83, RDB+21, SBN+97, Sha89, SWB+23, SKZ+19, SYE+21, 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]. **Delay** [DC22]. **Delays** [AB83, Bis22]. **deliberate** [VVP+06]. **Delivery** [RS92]. **denial** [MSB+06]. **denial-of-service** [MSB+06]. **Dense** [PCB+23]. **Dependency** [ZCR+21]. **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, MKH+21, SBRP12, SABL06]. **Devices** [LSPM15, YSS+14]. **Diagnosability** [YZP+12]. **DieCast** [GVM+11]. **Different** [Atk88]. **Differential** [WZKSL15]. **Diffracting** [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, Smi85, Smi87, SHCG94]. **Disk-Directed** [Kot97]. **Diskless** [LZCZ86]. **Dispatching** [CCLP83]. **dissemination** [KSV+08]. **Distance** [BCZY16, MLS97, WY13, ZY17]. **Distributed** [AE91, AJ93, Bab87, Bad86, Bat95, BAA90, CBZ95, CHM83, CL85, CZ85, Che87, CDE+13, EPP+12, Fal87, GG88, GVM+11, HKM+88, HZX+18, JB86, JLSU87, JLL+16, KvRvST93, KLS86, LABW92, LHM+84b, MRF18, MBH+94, NDU+19, NTW09, Ray89, RSJM21, San87, Sat89, SBN84, SB90b, SYE+21, SS96b, Ste97, SY85, SK85, ZCR+21, AMS+09, AD01, BMD+13, CDG+08, FKM02, HYC+03, KSV+08, NCF06, RS04, VBV03, YKKK10, ZSV02]. **Distributed-Memory** [Ste97]. **distributing** [ADK+07]. **Distribution** [BBF83, CY09]. **Distributions** [HBD97]. **Diversity** [SJS+17]. **DMA** [BBCS19]. **Domain** [SWB+23]. **Domains** [LWZ15]. **DoublePlay** [VLW+12]. **Down** [KG21]. **Driven** [MR97, WB91]. **drivers** [SABL06]. **Dynamic** [BGMS89, BS91, GHBRK12, GWS96, HBD97, KMG16, MRF18, MVZ93, OP92, PS16, SBN+97, BM00, DR99, HLMM05, JMB05, JL02, XMM07]. **dynamic-sized** [HLMM05]. **Dynamics** [ZFF+17].

Edge [XBO+21]. **Editing** [And97]. **Editor** [Jon83a]. **Editorial** [Bir97, Che10, Ell03, Ell05, Lev97, Mow13]. **effect** [MG01]. **Effective** [ABLL92, BLH20, HY92, Rin99, TE95, ZHD+19, LM01]. **Effects** [CGJ88, Kam86, MF90]. **Efficiency** [BPP+17a, BPP+17b, BGK+21, LAB+13, LCG+16, NCPM17, WM87, ACM04]. **Efficient** [AE91, BCZY16, DC22, GJT+12, GG88, HKB95, LSW91, MC11, PPA+15, RPC+13, TS89, WB91, WY13, ZR17, AD00, NTW09, RLCV11, YN06]. **Electronic** [Bir97, PW97]. **elephants** [EV03]. **Eliminating** [DR99, MR97]. **Emerald** [JLHB88]. **Emerging** [FAK+12]. **Empirical** [SS96b]. **enabled** [ACM04]. **Enabling** [XBO+21]. **End** [CCC+08, HLZ+16, KG21, SRC84]. **End-to-End** [HLZ+16, SRC84, CCC+08]. **Energy** [BA06, BWD+15, BMVS15, BGK+21, CDY+17, GJT+12, RPC+13, WPB+14, YN06, ZR17, ACM04, FS04, HKM02, RLCV11, XMM07]. **Energy-aware** [BA06, FS04]. **Energy-Efficient** [GJT+12, RPC+13, ZR17, YN06, RLCV11]. **Energy-Oriented** [BWD+15]. **Enforce** [Slo83]. **enforcement** [GB01]. **Engines** [SLJ+14]. **Enhance** [Sta84]. **Enhanced** [EJ93]. **Enhancement** [YZP+12]. **enterprise** [COM+09]. **Enterprises** [KCR11]. **Environment** [KMG16, VVP+06]. **Environments** [GKXK13, GLPQ10]. **EOLE** [PS16]. **epidemics** [CCC+08]. **Eraser** [SBN+97]. **Error** [TS85]. **errors** [VACG09, YTEM06].

Estimates [KP91]. **estimation** [NTW09]. **Ethernet** [KCR11]. **Etherphone** [TS88]. **Evaluation** [ADLM21, AB86, BBH$^+$98, CP94, DAH$^+$12, GHPR88, MCB84, CRW01, SMS$^+$03, YV02]. **Evaluator** [CCC$^+$17]. **Even** [KBK$^+$21]. **Event** [Bat95, BBF83, CRW01, VEK$^+$07]. **Event-Based** [Bat95]. **EventGuard** [SLI11]. **evolution** [Sat02]. **Exchange** [Blu83]. **Exclusion** [AE91, BGMS89, Lam87, Mae85, Ray89, San87, SK85]. **Execute** [Smi84b]. **Execution** [CCC$^+$17, GM98, MCB$^+$93, KY04, NCF06, SMS$^+$03]. **exokernel** [GEK$^+$02]. **expansion** [SV99]. **expected** [XMM07]. **Experience** [ADK$^+$07, SBN84]. **Experimental** [LE91]. **Experiments** [Atk88]. **exploitation** [HKM02]. **Exploiting** [HBD97, SJS$^+$17]. **Exploring** [LAB$^+$13]. **Extended** [DC90]. **Extensible** [EPP$^+$12, GB01]. **Extensions** [AISS98]. **Extraction** [HS96]. **extrapolation** [GVO07].

Factor [NEC$^+$15]. **Fail** [SS83, Sch84, Ske85]. **Fail-Stop** [SS83, Sch84]. **Failures** [BJ87, Mar90, QTZS07, ZMAB09]. **Fairness** [ELMP12]. **Fast** [CCW$^+$17, FKM02, GEK$^+$02, JBG$^+$19, Jha20, Lam87, LDT$^+$16, MJLF84, SV99, YSS$^+$14]. **Faster** [BCK$^+$21]. **Fault** [AE91, Bab87, BBG$^+$89, BS96, CM89, CDD96, DD98, JB86, MC11, RBvR94, SS83, ZTQ$^+$17, CL02, CRL03, KAD$^+$09]. **Fault-tolerance** [CDD96]. **Fault-Tolerant** [AE91, Bab87, JB86, RBvR94, SS83]. **Faults** [PTS$^+$14]. **Fay** [EPP$^+$12]. **Feedback** [HMMS98, RJ90, ALHH08, DR99]. **File** [AISS98, AOG92, ADN$^+$96, BKT85, CFKL96, CF96, DKM96, GJT$^+$12, HDV$^+$12, HO95, HP94, HKM$^+$88, KS92, Koc87, KS97, LZCZ86, MBH$^+$94, MJLF84, NWO88, RO92, SS96b, FKM02, GMSP00, NCF06, SFKW14, YTEM06]. **File-system** [HP94]. **Files** [HL91, SMH$^+$21]. **Filesystem** [PE23]. **filter** [BMK07]. **find** [YTEM06]. **finding** [ASS$^+$05]. **Fine** [JLHB88, BHSC98, Rin99]. **fine-grain** [BHSC98, Rin99]. **Fine-Grained** [JLHB88]. **Fireflies** [JVVJ15]. **Firefly** [SB90a]. **firewall** [BMNW04]. **Firmato}** [BMNW04]. **First** [LCWB$^+$11]. **First-Class** [LCWB$^+$11]. **Flash** [JLL$^+$16]. **flexibility** [HS03]. **Flexible** [KS97, GEK$^+$02]. **FLIP** [KvRvST93]. **Flow** [EGH$^+$14, Sha89]. **Focusing** [EV03]. **Footprint** [CZL$^+$15]. **Footprints** [TS87]. **Formal** [BAA90, GM87, GF93, KAE$^+$14]. **Fragmentation** [PE23]. **Framework** [CCC$^+$17, SYE$^+$21, CKP$^+$04]. **Frameworks** [CZW$^+$21]. **Free** [ARJ97]. **Front** [KG21]. **Front-End** [KG21]. **Full** [LLL$^+$16]. **Full-Stack** [LLL$^+$16]. **fully** [RD99]. **functionality** [GB01]. **Fusion** [ZXD$^+$23]. **Future** [EBS$^+$12, HLZ$^+$16, Kin90].

Gaining [WM87]. **Garbage** [AFG99, SKZ$^+$19, KPHV11]. **gating** [BM00]. **General** [Smi86, ZR17, BJS01, CKP$^+$04]. **General-Purpose** [ZR17, BJS01]. **Generalized** [MCB84, SA95]. **Generals** [Sch84]. **Generating** [MMM95]. **Generation** [AJ93, Sha83, GO05]. **generational** [HKM02]. **generic** [CBG$^+$08]. **Global** [AISS98, CL85, CM89]. **Globally** [CDE$^+$13]. **Gone** [ABD$^+$97]. **Google** [CDE$^+$13]. **Gossip** [JVG$^+$07, JVVJ15, JMB05]. **Gossip-based** [JVG$^+$07, JMB05]. **GPU** [LSPM15, SKH$^+$16]. **GPUfs** [SFKW14]. **GPUnet** [SKH$^+$16]. **GPUs** [BBCS19, SMH$^+$21, SFKW14]. **grain** [BHSC98, Rin99]. **Grained** [JLHB88, PPA$^+$15]. **Grammars** [DD98]. **Grapevine** [SBN84]. **Graph** [DD98, ZCR$^+$21, AV04, APD03]. **Graphics** [SLJ$^+$14]. **Graspan** [ZWH$^+$21]. **Group** [SBS91, FLS01, KSMD02]. **Grouping** [Sta84]. **Groups** [CZ85, San88]. **Growth** [SBN84]. **Guarantee** [ZCR$^+$21]. **Guest**

[Lev97].

H [XBO+21]. **H-Container** [XBO+21]. **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, LBM+21, PCB+23, XBO+21, DK13, GLL14]. **Heterogeneous-ISA** [XBO+21]. **HFS** [KS97]. **Hidden** [RDB+21]. **Hierarchical** [GJT+12, PCB+23, SHG95, WGSS96]. **Hierarchies** [BCZY16, ES83, YFLS11]. **Hierarchy** [AT83]. **High** [AOST93, BPP+17a, BPP+17b, ELMP12, GY90, GFN89, KBK+21, KSV+08, LLSG92, SBWT87, Ste97, TL93, Kel00, VVP+06, WVTP01]. **High-bandwidth** [KSV+08]. **High-level** [GY90, Kel00, VVP+06]. **High-Performance** [ELMP12, SBWT87, KBK+21]. **High-Speed** [Ste97, TL93, AOST93, GFN89, WVTP01]. **Highly** [SMH+21, SBL00]. **Hill** [CY09]. **Hill-climbing** [CY09]. **Hint** [SH00]. **Hint-based** [SH00]. **Hints** [YFLS11]. **Hipster** [NCPM17]. **Histories** [Ng89]. **Hoc** [BYFK08, FKA10]. **Holistic** [CZW+21]. **HOP** [GF93]. **Hot** [HY92]. **Hot-Spot** [HY92]. **HP** [WGSS96]. **HTM** [CCW+17]. **HW** [KMG16]. **HW/SW** [KMG16]. **Hybrid** [CZW+21]. **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]. **Incoherent** [LBM+21]. **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** [BLS+21, MC11]. **Inserted** [Mow98]. **Instruction** [CLD+19, DC22, LEL+97, MF90, LM01, SMS+03]. **Instruction-Level** [LEL+97]. **Integrated** [CFKL96, RD99]. **Integrating** [Sat89, SFKW14]. **Integration** [BBCS19, FR86]. **Intel** [CGJ88, CCLP83]. **Intellectual** [Bis22]. **Intensive** [DTM95]. **Inter** [XDH+21]. **Inter-process** [XDH+21]. **Interface** [Che87, Fal87, Ste97, BJS01]. **interfacing** [BI13]. **Internet** [CCC+08, MS01, MSB+06]. **Internetwork** [KvRvST93]. **Internetworks** [DC90]. **Interplay** [ZXD+23]. **Interposed** [ACV02]. **interposition** [RS04]. **Interprocedural** [ZWH+21]. **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, XBO+21]. **Isolation** [ZZW+21]. **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]. **KylinX** [ZZW+21].

L4 [HE16]. **Labels** [VEK+07]. **Language** [Fal87, GY90, SBRP12, RR99]. **languages** [HYC+03]. **LANs** [DC90]. **Large** [CZL+15, KH92, KCR11, LA93, RPC+13, Sat89, ZWH+21, ABG+01, JMB05, KSV+08]. **Large-Scale** [CZL+15, LA93, RPC+13, ZWH+21, ABG+01, KSV+08]. **Last** [Ske85]. **Latency** [BDZ+20, BPP+17a, BPP+17b, Mow98, SMH+21, TL93, Jim05]. **Latency-tolerant** [SMH+21]. **Lattice** [AJ93]. **Layers** [HP94]. **Layout** [CS83]. **Lazy** [LLSG92]. **Lead** [BCK+21]. **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]. **Links** [Bis22]. **Linux** [BLH20, PTS+14]. **Lite** [PDZ00]. **Livelock** [MR97]. **Load** [CJ10, DC22, 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, ZXD+23, ZCR+21, MT99]. **Loop-Based** [WY13]. **Loop-carried** [ZCR+21]. **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** [ADLM21, ABLL92, CZW+21, FR86, GHBRK12, HMSC88, HKB95, JB86, LE91, RSJM21, YFLS11, BMNW04, GTHR00, HLMM05, SJS+00, VBV03]. **Manager** [LHM+84b]. **Managing** [FS04, TS88, GLL14]. **Many** [RSJM21]. **Many-Core** [RSJM21]. **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, CV21, JVVJ15, KSMD02]. **Memories** [CZW+21, SNSC14, Str83, TS89]. **Memory** [AJ19, BALL91, CBZ95, CCW+17, CZW+21, 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, ZCR+21]. **Merge**

[BDZ$^+$20]. **mesh** [ADMER10]. **Message** [LHM84a]. **Messages** [LSW91, RS92]. **metadata** [GMSP00]. **Metascheduling** [And93]. **Method** [AB83, Her86, QTZS07]. **Methodology** [Kem83]. **Methods** [GF93, SHG95, WB91, JL02]. **Metron** [KBK$^+$21]. **mice** [EV03]. **Micro** [BGK$^+$21]. **Microarchitectural** [AJ19]. **microarchitectures** [GLL14]. **microkernel** [KAE$^+$14]. **Microkernels** [HE16]. **Microprocessor** [HKS$^+$83]. **microprocessors** [HL07]. **microsecond** [AD00]. **MIDDLE** [PMJPKA05]. **MIDDLE-R** [PMJPKA05]. **middleware** [PMJPKA05]. **Migration** [BWD$^+$15, XBO$^+$21]. **Military** [LHM84a]. **MIMD** [Kot97]. **Minerva** [ABG$^+$01]. **Minimal** [MSL$^+$11]. **Minimizing** [XMM07]. **Minimum** [MLS97]. **Minimum-Distance** [MLS97]. **mining** [VBV03]. **MIPS** [GHPR88]. **Mismatch** [FAK$^+$12]. **Miss** [Smi85, Smi87, CT01, GO05, GVO07]. **misses** [CT01]. **Mission** [BGK$^+$21]. **Mitigating** [NDU$^+$19]. **Mixed** [WLMD16]. **Mixed-Criticality** [WLMD16]. **Mobile** [LWZ15, RLCV11, SGH$^+$13, ZR17, AKS11]. **Mobility** [JLHB88]. **Model** [AHH89, AB86, BAA90, GVM$^+$11, LHM84a, MCB$^+$93, CBG$^+$08, EEKS09, YTEM06, YV02]. **Modeling** [IRH86, NEC$^+$15, ZXD$^+$23, COM$^+$09, GVO07, VVP$^+$06]. **Models** [Bat95, JW98, GO05]. **Modern** [BMVS15, FAK$^+$12, PE23, HL07]. **Modular** [RSJM21, KMC$^+$00]. **Monitoring** [EGH$^+$14, JLSU87, MRF18, Sno88, VBV03]. **Moshe** [KSMD02]. **Most** [LSW91]. **motion** [NYN03]. **Movement** [Kin90]. **Moves** [Tic84]. **Multi** [GHBRK12, CKP$^+$04]. **multi-chain** [CKP$^+$04]. **Multi-Tier** [GHBRK12]. **Multicast** [DC90, GMS91, SBS91, BHO$^+$99, MS01]. **Multiclient** [YFLS11]. **Multicomputers** [SB90b]. **Multicore** [BCZY16, BZF10, CKZ$^+$15, ELMP12, EBS$^+$12, LDT$^+$16, SFKP12, WY13, ZY17]. **Multidimensional** [AAC91]. **Multigrain** [YKA00]. **Multilevel** [GM87, YFLS11]. **multimedia** [NL03, YN06]. **Multiphase** [CGL85]. **Multiple** [AMMSB98, CZW$^+$21, LSPM15, RS92]. **Multiple-Ring** [AMMSB98]. **Multiplication** [DC85]. **Multiplier** [CS83]. **multiprocessing** [MG01]. **Multiprocessor** [AB86, GS93, MCB84, PL85, SHG95, GO05, GVO07]. **Multiprocessors** [BALL91, BDGR97, HLRW93, Kot97, LE91, LA93, MVZ93, MCS91, Mow98, TE95, Epe98, GTHR00, HJK07, KSH$^+$05]. **Multiprogrammed** [MVZ93]. **Multiprogramming** [AHH88, Kam86]. **multisets** [NTW09]. **Multisignature** [Oka88]. **Multithreaded** [SBN$^+$97, SMS$^+$03]. **Multithreading** [LEL$^+$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$^+$05]. **near-optimal** [ASS$^+$05]. **Nemo** [SYE$^+$21]. **nest** [MT99]. **Net** [CG86]. **Nets** [MCB84]. **Network** [AUQ$^+$23, ADN$^+$96, Bis22, HO95, HY92, Mog92, NWO88, OP92, Ste97, ADMER10, ACV02, AD00, BJS01, HS03, SJS$^+$00]. **Network-on-Chip** [Bis22]. **Networking** [MKH$^+$21, SKH$^+$16, GEK$^+$02]. **Networks** [AJ93, AOST93, BYFK08, BLS$^+$21, CZL$^+$15, ES83, Kir87, KG83, PL85, RJ90, Rom84, Sau83a, Sau83b, SLI11, TS85, TL93, Zha91, FKA10, JMB05, KSH$^+$05, SJS$^+$00]. **Neural** [BLS$^+$21, CZL$^+$15, JL02, Jim05]. **Next** [AGK$^+$15]. **NFV** [KBK$^+$21]. **No** [Jha20]. **Nodes** [LBM$^+$21]. **Noise** [BLS$^+$21]. **Non** [BLS$^+$21]. **Non-Uniform** [BLS$^+$21]. **Nonblocking** [HLMM05]. **nonoperational** [GS00]. **normality** [BHSR02].

Normalization [LP93]. **notification** [CRW01]. **novel** [BMNW04]. **NTree** [San88]. **NUMA** [LE91, LP93].

O [BMK01, CP94, Che87, HDV$^+$12, Kot97, PDZ00, YSS$^+$14, dBBB11]. **obfuscation** [RS10]. **Object** [BBH$^+$98, GWS96, AFG99]. **Object-Oriented** [GWS96]. **Objects** [ARJ97, GS93, Ng89, SB90b, Sta84, ADK$^+$07]. **Off** [Bis22]. **offense** [WVB$^+$10]. **Offloading** [GKXK13]. **On-Off** [Bis22]. **Once** [LSW91]. **online** [ZSV02]. **only** [FKM02]. **OpenMP** [LBM$^+$21]. **Operating** [ACM88, AHH88, AISS98, BPP$^+$17a, BPP$^+$17b, BBCS19, BDGR97, CLFL94, CEC$^+$96, Jon88, LWZ15, PLZ$^+$16, SBWT87, WABL94, KWDB06, SBL05, VEK$^+$07]. **Operation** [KS92, BM00]. **Operations** [HMMS98]. **Optimal** [KG83, ASS$^+$05, GLPQ10]. **Optimality** [Kam84]. **Optimally** [MLS97]. **Optimistic** [SY85, Rin99]. **optimization** [MWP$^+$01]. **Optimized** [Kir87]. **Optimizer** [SKZ$^+$19]. **Optimizing** [BGK$^+$21, SGH$^+$13, SYE$^+$21, YSS$^+$14, ZXD$^+$23, ZR17]. **Orca** [BBH$^+$98]. **Orchestrating** [PCB$^+$23]. **Order** [San88, EEKS09, GLPQ10]. **Ordered** [GMS91]. **Ordering** [AMMSB98, AMMS$^+$95, Rom84]. **Oriented** [BWD$^+$15, GWS96, KS97, SMS08]. **Original** [BDR$^+$12]. **out-of-core** [BMK01]. **out-of-order** [EEKS09]. **overhead** [DR99, MKH$^+$21, ZMAB09]. **Overlap** [BW84]. **Overlays** [BCK$^+$21].

Packet [Slo83, Zha91, HVP99]. **packet-striping** [HVP99]. **Packet-Switched** [Zha91]. **packets** [SJS$^+$00]. **packing** [BM00]. **PACS** [HKS$^+$83]. **Page** [KH92]. **Paged** [Sta84]. **Papers** [MT20]. **paradigm** [AMS$^+$09]. **Paradigms** [PPA$^+$15]. **Paragon** [DK13]. **Parallel** [AV04, BAA90, CLVW94, CF96, EJ93, GLM91, GWS96, HKS$^+$83, JW98, LAB$^+$13, WY13, RR99, VBR$^+$04]. **parallel-programming** [VBR$^+$04]. **Parallelism** [ABLL92, LEL$^+$97, ALHH08]. **parallelized** [DR99, Rin99]. **Parallelizing** [VLW$^+$12, CASM08]. **Parameters** [GvB90]. **Parametric** [JEJ13]. **Parity** [SHCG94]. **Parliament** [Lam98]. **Part** [Lam98]. **Part-Time** [Lam98]. **Partial** [AUQ$^+$23, BWD$^+$15, San88]. **partitionable** [FLS01]. **Partitioning** [AUQ$^+$23, WPB$^+$14, ZZNM02]. **Path** [PL85]. **Pattern** [Bis22]. **PCIe** [MKH$^+$21]. **Peak** [CDY$^+$17]. **Peer** [BBCS19, JVG$^+$07, MRG$^+$05, QBD$^+$08]. **Peer-to-Peer** [BBCS19, MRG$^+$05, QBD$^+$08]. **Perfect** [MT99]. **Performance** [AHH88, AK90, BBH$^+$98, BMVS15, CFKL96, CM86, CP94, CEC$^+$96, CM89, Cla83, CE85, CDW06, CGJ88, DTM95, ES83, ELMP12, HMMS98, HKM$^+$88, KS97, LZCZ86, MCB84, PL85, PS16, SS96a, SFKP12, SLJ$^+$14, SB90a, SBWT87, SGH$^+$13, Sta84, TR84, TS85, WB91, AV04, BM00, COM$^+$09, EEKS09, HS03, HBSBA03, KBK$^+$21, LN06, NYN03, QBD$^+$08, SBL00]. **Performance-Oriented** [KS97]. **persistent** [AFG99]. **Personal** [AISS98, CEC$^+$96, HLZ$^+$16]. **Perspective** [AJ19]. **perturbation** [AKS11]. **perturbation-resilient** [AKS11]. **pervasive** [GDL$^+$04]. **Petri** [MCB84]. **Pfair** [HA06]. **Physical** [LSA$^+$20]. **Pipelined** [CS83]. **Pipes** [GG88]. **Pivot** [MRF18]. **Placement** [KH92]. **Planar** [AJ93]. **Plane** [PLZ$^+$16]. **Platform** [CKC12, LLL$^+$16]. **Policies** [Kam86, LE91]. **Policy** [Kam84, MVZ93, GB01]. **Pooling** [NDU$^+$19]. **Porcupine** [SBL00]. **Portable** [GWS96, LDT$^+$16]. **Power** [BCZY16, BMVS15, CDY$^+$17, EBS$^+$12, EG85, GM98, GWSU13, ZTQ$^+$17, BM00]. **Power-Efficient** [BCZY16]. **PowerNap** [MGW11]. **Practical**

[CL02, ZMAB09, RD99]. **Practice** [LABW92]. **Pragmatic** [GGL+19]. **pre** [KY04]. **pre-execution** [KY04]. **Precise** [ZCR+21]. **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, KBK+21]. **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, XDH+21]. **Processes** [Mog92, VEK+07]. **Processing** [CCW+17, CZW+21, GWS96, Kam84, Kam86, PCB+23, SKZ+19, SYE+21, ZCR+21, AD00]. **Processing-in-memory** [ZCR+21]. **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]. **Property** [Bis22]. **Protect** [Bis22]. **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]. **Quantization** [BLS+21]. **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, DC22, GS93, KH92, MMM95, SBWT87, KPHV11, XMM07]. **Real-Indexed** [KH92]. **Real-Time** [BS91, GS93, MMM95, SBWT87, ARJ97, DC22, 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**

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