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## Title word cross-reference

#NFA [ACJR21].

$(2 + \epsilon)$  [BYCHS17].  $(\Delta + 1)$  [Bar16, BEG22, HSS18].  $(s, t)$  [ATSWZ00]. 1  
[HV95].  $1 - 1/e^2$  [JL23].  $1/2N^3$  [Yen72]. 2  
[AF67, Cha10, CL16, DG16, GR79, HMZ13, HdLT01, Lar76]. 3  
[Bul06, Cha10, CNP85, KT17, KPS19, SS13, Shi10].  $3/2$  [TV19].  $4/3$   
[AB17, CG93]. 5 [Wat61]. 6 [Wat61]. 8 [Wat61].  $=$  [JJUW11].  $^1$  [MT88].  $A$   
[Bui79, SB73].  $A^*$  [MP10].  $AC^0$  [Bra10].  $C$  [Sla72a].  $\cap$  [AR05, FGHS23].  $\Delta$   
[Bar16].  $E$  [GNRS92].  $\ell_1$  [BC05].  $\epsilon$  [AKN<sup>+</sup>08, GW21, RA20].  $\exists R$  [AAM22].  
 $f(z)$  [RS63].  $f(z) = 0$  [War57].  $g$  [HI92].  $H$  [DFHT05].  $J$  [CT81].  $K$   
[OOW99, AMR11, BBM15, BG00, BP03a, CK95a, CeLT00, CGH<sup>+</sup>05,  
DKK24, FGYZ21, Gui78, GHLL22, HSTV14, JV01, KLM19, KP95, Lin18,  
MLS76, Mol18, ORSS12, PPSZ05, YR78, KIM81].  $k + 1$  [YR78].  $K_m$   
[vdLL86].  $L$  [Bui79, San65].  $l_1$  [KV15, Abd71].  $L_p$  [Lee80].  $\Lambda$  [Gri68].  $\ln n$

[Fei98].  $\log^* n$  [CGH<sup>+</sup>05].  $\log^c n$  [BR91].  $m$  [AM78b, DG62].  $M' = \vee_{i=1} M^i$  [Sim67, Sim65].  $\mathbf{R}^3$  [dMRST20].  $m \times n$  [NJ57].  $n$  [CK95a, Mey84, MO68, Mou65a, Mow67, Was81, And66, B JL<sup>+</sup>82, HP59, Kac79, Mey88, WW73, Yen72].  $n + 1$  [Mou65a].  $n/2/F/\overline{F}$  [KS75].  $n^{1/5}$  [KT17].  $N^3$  [Yen72].  $NC$  [BR91].  $O(1)$  [MMR15, FKS84].  $O(\epsilon^2)$  [Van85].  $O(g)$  [HI92].  $O(\log(n)^{4/3})$  [ATSWZ00].  $O(\log^2 n)$  [BHR19].  $O(\log \Delta/\epsilon \log \log \Delta)$  [BYCHS17].  $O(\log n)$  [Bra87].  $O(\text{sort}(n))$  [BM11].  $O(n)$  [FG05, CFM10, Upf92].  $O(n^2(m + n \log n) \log n)$  [GT88a].  $O(n^2)$  [DI05, KS11, MMR15, PSSZ13].  $O(n^3)$  [GHL<sup>+</sup>87].  $O(n^3 \log n)$  [GHL<sup>+</sup>87].  $O(n \log n)$  [BK09, FG05, HvdH22, Hwa79].  $\omega$  [BGB12, EKS20, CH84].  $\Omega(n^k)$  [AIK84].  $\omega_n$  [She57b].  $P$  [All89, SG76].  $P = 2$  [CM64].  $\partial^2 u/\partial x^2 + \partial^2 u/\partial y^2 + (K/y)(\partial u/\partial y) = 0$  [Ehr59].  $Q$  [GLH57].  $R$  [Sla76].  $R^3$  [DG98].  $s$  [AKS15, TV19].  $T$  [NOT06, AKS15, TV19].  $t < n/3$  [MMR15].  $T_0$  [Das77].  $\Theta(\log n)$  [FPPR22].  $W$  [Lee61].  $X + Y$  [JK78].  $X_t = X_{t-3p} \oplus X_{t-3q}$  [Fus90].  $Z$  [Dix73, Wan93].

**-Approximation** [BYCHS17, RA20]. **-ary** [Gui78]. **-Automata** [EKS20, BGB12]. **-Biclique** [Lin18]. **-Body** [CK95a]. **-center** [CGH<sup>+</sup>05]. **-CNFs** [FPPR22]. **-Colorable** [KT17]. **-Coloring** [Bar16, HSS18, BEG22]. **-Colourings** [Mol18]. **-Complete** [SG76, AAM22]. **-Complexes** [GR79]. **-cut** [GHLL22]. **-D** [Cha10, Shi10]. **-Dimensional** [Mey84, Mey88]. **-Domination** [Sla76]. **-Edge** [CNP85, HdLT01]. **-element** [Bul06]. **-Evaluation** [Was81]. **-Free** [Gri68]. **-Groups** [Lar76]. **-hard** [CGH<sup>+</sup>05]. **-Languages** [San65]. **-Linear** [Sla72a]. **-Machine** [Lee61]. **-Maximal** [CT81]. **-Means** [AMR11, ORSS12]. **-Median** [JV01]. **-metric** [Lee80]. **-Minimal** [CT81]. **-minor-free** [DFHT05]. **-Module** [Wan93]. **-Nearest-Neighbors** [CK95a]. **-nets** [AKN<sup>+</sup>08]. **-Node** [WW73, Yen72]. **-path** [TV19]. **-Player** [HMZ13]. **-Process** [B JL<sup>+</sup>82]. **-Resolution** [Dix73]. **-SAT** [FGYZ21, PPSZ05]. **-Sequence** [CH84]. **-Sequences** [AM78b]. **-Server** [BBMN15, DG16, BG00, KP95]. **-set** [CeLT00]. **-Stable** [Bui79, SB73]. **-State** [AF67, Wat61]. **-SUM** [DKK24, KLM19]. **-Symbol** [Wat61]. **-Uniform** [All89]. **-Variables** [And66]. **-Wise** [BR91]. **-Writer** [HV95]. **-XOR** [DKK24].

**0/1** [Sah75]. **0S** [ER80a].

**1** [Rid76]. **1103** [Bau56]. **1955** [Hou56c].

**2.0** [tCL09]. **2006** [VV09]. **2007** [LV09]. **2314** [ADW68].

**3-query** [Yek08].

**407** [Boy57].

**50th** [Hal03].

**60** [Bot62, BG70, RR64]. **650** [Gor56, HK54].

**701** [BO56, GKR55]. **702** [BBR54].

= [FGHS23, Sha92, She92].

**A\*** [Dav90, DP85, SW91]. **Abacus** [Li59]. **Abbreviating** [BF61].  
**Abduction** [CDOY11, EG95]. **abductive** [EM07]. **ability** [NS06a].  
**Absence** [KBI<sup>+</sup>17]. **Absolute** [CK65, Gab16]. **Abstract** [Ehr82, LR72, McL84, Mil73, Nou83, Ove66, BT07, CCM12, GRS00, NOT06, GB92, Hue80].  
**Abstraction**  
 [EPT18, HHHN14, Imi91, vW96, BN01, CGJ<sup>+</sup>03, DW99, GS07, SP07].  
**Abstractions** [ADH15]. **Academy** [Leb56]. **ACC** [Wil14]. **Accelerated**  
 [HST76, ST72]. **Accelerating** [Fox70]. **Acceleration** [Tro84]. **Accept**  
 [Ste67]. **Acceptable** [Sch68]. **Acceptance** [BR54, Gra55a, Hen85].  
**Accepted** [Gin61b]. **Access**  
 [BFGY19, Bsh93, ER64b, FKS84, GS69, GW85, GFL87, GS73, Low68, MY79, Mey85, Rei87, SS79, Sch88, Tob82, Tra63, AW08, BEP09, HHR97]. **accesses**  
 [GHS09]. **Accessing** [BK71]. **Account** [Oet57]. **Accounting** [Tre54].  
**Accumulation** [KL70]. **Accuracy** [KS75, Ral59, AC24]. **accurate** [XB06].  
**Achieve** [Ral59]. **achieving** [DMR08]. **Ackermann** [Cha00b].  
**acknowledgment** [DGS01]. **ACM**  
 [Ano79, Gra77, Hou56c, Alt03, Ano68, BJP59, Sal70]. **Acquisition** [SH22].  
**Action** [LS95]. **Actions** [Set82]. **Activity** [SD62]. **Acyclic**  
 [BMT89, BFMY83, HT24, San88, DGP07, GLS01, Ott12]. **Acyclicity**  
 [Fag83]. **Adams** [Alo60]. **Adaptation** [Pea68]. **adapting** [AF03]. **Adaptive**  
 [CK95b, GN94, HRS24, Hol62b, LR79, Lyn69, PGL76, Ric75, ŠVV09, CST<sup>+</sup>18, KS11]. **Addendum** [CH88, EV62a]. **Adding**  
 [AM09, MS16b, WL85]. **Addition** [BEF<sup>+</sup>21, Win65a, YSS78]. **Additional**  
 [Leu93, BB64]. **Additions** [Yen72]. **Additive**  
 [AB17, BILW20, BSLRZ14, GSK59]. **Address**  
 [Car57, Elg54, Eli74, Flo60, Hou56c, Hou57, IS56, Lip57, PK87, TTK66].  
**Addressable** [Ros72]. **Addressed** [Kau71]. **Addresses** [BAG92].  
**Addressing** [AGOW66, Tra63]. **Addressless** [Bli72]. **Adjacency**  
 [ADK17, DEG<sup>+</sup>21]. **Adjusting** [ST85]. **admission** [LNT97]. **Admits**  
 [ACJR21]. **Advanced** [GM56]. **Advances** [DFN<sup>+</sup>24, GHS75]. **Advantage**  
 [YZ24]. **Adversarial** [BKR<sup>+</sup>01, BKN14, ISSS22]. **Adversarially**  
 [BEJWY22, HKM<sup>+</sup>22]. **Adversaries** [HRS24, HT93]. **adversary** [KS11].  
**Adverse** [Mad66]. **Advice** [LV21, CBFH<sup>+</sup>97, PM06]. **AdWords**  
 [GML15, MSVV07]. **AFA** [GG72]. **AFL** [GH70]. **After** [GM56]. **Again**  
 [Szp90, de 83]. **against** [BKN14]. **Age** [Got03]. **Agents**  
 [CGM24, DHK19, GH23]. **Aggregate** [Klu82, RSG05, CNS07, HLNW01].

**Aggregated** [Ste83]. **Aggregating** [ACN08]. **Aggregation** [CS85, Kan83, Van78, Van85]. **Aggregation/Disaggregation** [CS85]. **Aging** [Via87]. **Agreement** [ADLS94, BCP20, DR85, DLP<sup>+</sup>86, DRS90, HPZ24, KS16, CeLT00, KS11, LLR06]. **Agreements** [PSL80]. **Ahead** [San69]. **AI** [Red03]. **Aid** [KH64]. **Aided** [BT69, GR74]. **Aids** [Pra60]. **AIMD** [WSY<sup>+</sup>19]. **Aitken** [GL64]. **Aitken-Hermite** [GL64]. **Algebra** [BHK90, GTWW77, Klu82, NB95, Sal66, SV85, Wil62, Yeh68, YR64, KJJ03, LW08]. **Algebraic** [ACPS93, BBKO21, BGKM23, BHR84a, BG15, Bra67, BIZ18, DSS22, ES17, FL18, GUK<sup>+</sup>16, GMM81, GX22, Hem64, HM85a, HOPW23, IW91, Ja'83, KM20, KT78, Lan59, LKK83, LFKN92, LT93, Mar71, Pic67, vdLL86, BR96, IOT19]. **Algebraic-geometric** [GX22]. **Algebras** [AGS17, BK72, FZ77, GTWW77, Liu69, Mil79, Nip90, Ven87, WM74, BT95]. **ALGOL** [Bot62, BG70, GR62, GR63b, RR64, OR00]. **ALGOL-Like** [GR63b]. **Algorithm** [AM85, AKS15, AGG62, ACW91, Bak77, BMPT91, BBN12, BBMN15, BRK74, Bau85, BSP82, BCS92, BDS87, BBB<sup>+</sup>21, BLS92, Bro71, BT71, BT79, CK70, CE92, CL16, CG86, CG70b, CK65, CF59, Deo76, DFK91, EHR84, ES17, Elk20a, Fei84, FP94, FW74, Gab76, Gab82, GS78a, GM79, Gal82, GT88a, Gal95, GNP<sup>+</sup>93, Gib69, GJ80, GL88b, Goo11, GW76, GR79, GLW70, HW90, HPR15, Hib63, HW76, Hor75, HP76, HLS77, Hsu75, Hwa79, ILG87, Joh73, Jon62, KS78, Kam87, Kan80, KL86, KKT95, KW85, KIM81, Kri64, LH90, LP79, LL85, Leh74, LP73, LS77, LM86, LB79, Man75, Man79a, Man79b, Mar76, MP72, McC76, Mey84, Moo67, Mor68a, Mow67, MT69, MC72, Mul91, Mye92, NS80, OV20, ON68, Pag76, RA20, Rah70, Rei86, RPE81, RW88, RP89]. **Algorithm** [Sag80, SK73, SD76, SS17, Sha67a, Sin86, Sla64, ST73, Sti81, Sto70, Sto73, STV20, Tar75, TS74, TSOA80, Ull76, VV63, Wag76, Wan74a, Wan23, Wat73, Wei72, Wil78, WW73, Yan85, Zad72, Zoh69, Zol78, dCS77, ATSWZ00, AMN<sup>+</sup>98, BG00, BK09, CE00, Cha00b, CLL<sup>+</sup>08, CHL01, CJK<sup>+</sup>06, DPSV08, HP99, Hoc01, HRM02, IFF01, JSV04, KP96, LZ01, Mye99, OOW99, PPSZ05, PR02, ST04, SW97, Vaz12, Vem10]. **Algorithmic** [AC24, BG70, CG70a, CGS15, EK72, Gil66a, Lat81, Per67, RZ19, BLP09, CD08]. **Algorithms** [ADF<sup>+</sup>16, ABC17, AMOT90, ACHS16, ABS15, Ata94, ALS94, AF03, ADS83, BM83, BCW85, Bak94, BDB23, BEJWY22, BBBL95, BJM79, BP03b, BPP<sup>+</sup>16, BGSS20, Blu71, Blu94, BK78, Bro82, BS72, CLTZ18, CCMS22, CH14, CF12, Cla95, Cof68, CaKMTM19, CH79, CM93, Col87, CDRS93, CD94, DJ81, DJSW19, DM81, Ehr73, Fai85, Fal62, FGR<sup>+</sup>17, Flo67, FLPS16, FGLS19, Fre79, FT87, Fri73, GGS89, GT91, Gav83, Gil68, GS93, GS85, GL85, GK88, HKM<sup>+</sup>22, Hei71, Hel89, HLMW92, Hir77, HS86, HS87, HS76, HT24, HD73, Iba77, IK75, IK77, IM83, IKM17, IK74, ICR87, JSS16, Joh77, Joh87, KU76, KKMO18, KR93, KZ93, KN81, KS74, KS75, KSS75, KSS77, Kun76, La 64, LR79, Len89, LL73, MF63, MB83, Meg83, Mey88, MP65, MP66a, MW84]. **Algorithms** [Mot94, NS82, NPRR18, OR90, Ove74, PKR84, Pag70, PKT90, Rac82, Rei72, RC86, Sah75, Sah76, Sch80, She67, ST72, SR71, Tar81a, Tv84,

Tro84, TS95, ÜD90, Yao80, vdSS89, AT11, BSZ06, CKL13, DFHT05, DFSL14, DHW97, EGIN97, ENRS00, FK99, FGK09, FKV04, GKPS06, GW95, GMS10, GKPR07, Hal07, HK99, HdLT01, JV01, JMM<sup>+</sup>03, JSMM03, KLSS05, KT02, LR99, Pel98, SCD02, Sho03, Spe97, ST04, XB06, GG78].

**All-pairs** [PSSZ13]. **Allen** [KJJ03, NB95]. **Allocating** [Ros74, Ros75].

**Allocation** [BCW85, BN79, BCS92, Bro82, CC76a, CC76b, DL56, DJSW19, GL71, HKMW66, KIM81, PGL76, Rob71, Rob74, TW88, BNBYF<sup>+</sup>01].

**Allocations** [LS23]. **Allow** [RT88]. **Allowing** [BC74, Rem81]. **Allows** [DV14]. **Almost** [AM94, AGPT16, AZ08, CGL<sup>+</sup>23, CKL<sup>+</sup>07, CF12, CJLW22, CADMD21, ER64a, Gab82, Gal82, GB74, GSV84, Kol04, LR19, Wil59b, BZ23, BLQT22, GS06]. **Almost-Linear** [Gab82, GS06]. **Almost-tight** [AZ08]. **ALOHA** [Tob82]. **Alpha** [Pit06, Yer66]. **Alpha-structural** [Pit06].

**Alphabets** [GX22]. **Alphameric** [BO56]. **Alphanumeric** [Mor68a].

**Alternating** [AHK02, CH14, CD60, DG62, MT85]. **Alternating-time** [AHK02]. **Alternation** [CKS81, PZ19]. **ambients** [MN05]. **Ambiguities** [Gor63]. **Ambiguity** [Bel60, Can62, GU66a, HU66, Mau69, Ros70a].

**Ambiguity** [GU66b]. **Among** [FMI80, HU66, JMMW79, PF79, SY80, You77, CNS07]. **Amortized** [BHR19, Cha01]. **Amphisbaenic** [Nag59, Liv60, Nag61]. **amplification** [CKOR14, Din07]. **Amplifiers** [GGG<sup>+</sup>17, HK55, HA56]. **Amplifying** [AK10]. **Analog** [BW57a, Edw54, Fis58, HS55, Mos55, SR60, Wad56, ZL58].

**Analog-Digital** [BW57a]. **Analogs** [Sha66]. **Analogue** [Ehr59, Fis56, Jac54, LWS55]. **analyses** [McA02]. **Analysing** [CG18].

**Analysis** [ADW68, Abe68, AMR11, AM70, Bak62, BB77, BN71, BBH<sup>+</sup>87, BKK14, BR15, BS89, Bur76, But78, CDOY11, CW65, Cof68, Cof69a, CG86, CPT94, CM57, CM67, Dad88, Dav17, Deb92, DFGN24, DI87, Doy65, EBA72, FHV91, Flo61a, Flo63, Fra69, Fra58b, FB75, GKL24, GG78, Gav71, Gil60, Gil65, Gla91, GLPR21, GW76, Gui78, HRS24, HP72b, Hem64, HC88, Hoc65, Hof84, Hou56a, Jef56, KU76, KT69, KR92, KTU94, Kou77, KSS75, Kri64, Lar83, Lat81, Lie59, MY80, Mil73, Moc71, MT19, Mor68b, Mot94, NBC72, Neg66, Oli67, OM78, One75, PKT90, Rah70, Ram66, Rao78, RL80, RL81, Ros79a, RT90, Sal73, San88, SS17, SAKS64, Smi84, ST73, Sti65, Sur87, Tv84, TTK66, Vit83, Vit87, Wal61, Wel66, Wil61, Win65b, WM74, You58, YL77].

**Analysis** [Zar59, ZS99, AW08, AS13, BG01, CLMW11, CCM12, DP01, DGS01, EKL10, FGK09, HMSS01, HHR97, LMW05, Man01, McA02, Pel98, RV07, SSS06, SRM97, SPK13, SSS96, ST04, Cof69b, KSS77]. **Analyst** [Wil71]. **analytic** [Drm03]. **Analytical** [Har64, YDL93]. **Analyze** [JM77].

**Analyzed** [Kle66, JMM<sup>+</sup>03]. **Analyzer** [CF68, Les58, Wad54]. **Analyzing** [AB05, Gof71, Hae16]. **Anarchy** [GT23, Rou15]. **Ancestry** [FK16]. **and/or** [Hum84, SL71, MB85]. **Annealing** [SH88, ŠVV09]. **anniversary** [Hal03].

**Announcement** [Ano58a]. **Anomalies** [BK86, BK87]. **Anonymous** [AAHK94, ASW88, KM20, Tau22]. **Answer** [Nag61]. **Answering** [CM87, Coo64, Koc69, Win82, AL08]. **Antiferromagnetic** [GSV15].

**Antonymy** [LBB67]. **Any** [BM92, BHT18, LP15, Was80, KSS10, PW93].

**Aperiodic** [BMT92]. **API** [BFM<sup>+</sup>19]. **Applicable** [Lie59]. **Application** [AM78b, BHK59, BG77, Bre70, CLRS86, Doy65, FM79, Gil63, GSV84, Jon62, Kob74a, Kob74b, Mos58, Sag80, Sch61, Sup83, YR64, Zaf70, JRS09, SS06b]. **Applications** [AEK<sup>+</sup>12, BEG22, Bau58b, BKST78, BGKM23, BLMS97, CK95a, CW67, CK15, CDRS93, CGS15, EKLS20, FNFSZ23, FLPS16, FK16, GKL24, Haj83, Har86, Har64, Hib62, HL87, HMR83, HS74, Hue80, JP84, Kob74b, KM20, MSM85, MO68, OM78, Orm61, PV76, RC69, ST72, Tar79, Val15, Ver95, Yeh68, YW73, ANP<sup>+</sup>04, AZ05, AAF<sup>+</sup>97, Bas99, BDG<sup>+</sup>13, CKL13, FG99, FLMM09, GIS99, GKPS06, GK96, LNT97]. **Applied** [ABF17, BK77b, BFGL79, Jac54, RTW94]. **Applying** [Meg83]. **Approach** [AV89, AK16, BGP84, BL90, BBKO21, Bea72, Bea73a, Bea73b, BSLRZ14, Dav17, DST92a, DST92b, ER64b, FKR15, FM70, FG79, GMM81, GT88b, GS93, GLJT23, GPV89, HS86, KR77, KMP<sup>+</sup>12, KS63, Law64, MY80, Tar70, Sla72a, Tar81b, TG82, WYCF14, AT10, AL05, BNBYF<sup>+</sup>01, BLR13, BFU01, Dar03, DI04, Drm03, FGK09, FGY00, GE01, KS96, KMPS09, KVV00, RV07]. **Approaches** [BM85, BK72]. **Approaching** [GKKS14, HS21, RZR24, TV19]. **Approximability** [CGSV24, DJKK08]. **Approximate** [AAGT15, Bab16, CLRS16, CMS20, Cry70, DLP<sup>+</sup>86, FNS21, Gel75, HS76, Hou58a, KMS98, KS75, KPW18, LPSP15, MS19, Moi19, OV23, PKT90, Sah75, TZ05, Wig83, AMS05, AMN<sup>+</sup>98, AMM09, Cha00a, CGH<sup>+</sup>05, Mye99, Tho04]. **Approximated** [PW93]. **Approximately** [BILW20, Hab70, LOS02]. **Approximating** [AHPV97, AHPV04, BEG<sup>+</sup>21, CDG<sup>+</sup>20, CDPP14, CR86a, CvH65, DFK91, EKLS20, GJ12, LY94, MS11, RWZ23, SLM19, San96, Sig67, SL15, You56, BNBYF<sup>+</sup>01, BEP09, CRS01, FGL<sup>+</sup>96, Fei98, Kho05]. **Approximation** [Abd71, AHPW19, Bak94, BYCHS17, BHM11, BC61, BLTY94, Blu94, BH65, BGRS13, Cha16, CLTZ18, CL16, CW17, CAFS21, Con57, Cru76, CF59, DDFS14, DJSW19, DP14, Dun74, Eda22, FLS18, Fre79, GLH57, GMS10, GKPR07, HM85b, HS86, HS87, IK75, JV01, KLSS05, KT02, Kob74a, Kob74b, Kur62, Mas56, MSU99, RA20, Rid76, SG76, Sha70a, She57a, Shi69, Sto64b, STV20, Aro98, ALM<sup>+</sup>98, BBG13, Coh00, ENRS00, GKPS06, GW95, GGR98, GHS13, JSV04, KSS10, LR99, OR02, RS09a, SK96, SS06b]. **Approximations** [Ber69, CBHH61, CS84, Fra65, KV94b, Laa58b, Luk57, Mae60, Mae63, Min57, Spi61, Ste67, dV59, AM07, FKV04]. **Arbitrary** [BIW63, DST92a, DST92b, Fra58a, Hoo66b, Nat67, AY13, BKL99, DLT07]. **architecture** [Val00]. **Architectures** [HRS88]. **Arcs** [Ros73b]. **Area** [BB95, BK81, BK82]. **Area-Time** [BK81, BK82]. **Area-Universal** [BB95]. **Arguments** [EFKP22, Ked79]. **Arising** [Cry71]. **Arithmetic** [Alt88, AAB17, AM59, Ash64, BL19, BSZ65, Bre74, BFGL79, Cha90b, CGL<sup>+</sup>22, CS83, EV57, Erc60, GL70, Hei71, KL73, Kan65, Mát90, MP76, Pap87, Par55, RR64, RZ65, Raz13, Rei87, SU70, Sho79, Win75, HJV01]. **Arithmetical** [Jef56, CM57]. **Arithmetics** [Wad60]. **Armstrong** [BDFS84]. **Arrangement** [Riv78, Yan85]. **arrangements** [ANP<sup>+</sup>04]. **Array** [AK84, DS78, Fis65a, Fra76, Fre82a, Kau71, SJ80, KSB06]. **Arrays** [GE84, KA88, Ros74, Ros75, RS77, Wai67]. **Arrivals** [Adi73, Del70, SB82].

**Arrow** [Vaz12]. **Art** [AAM22]. **Arthur** [HM13]. **Article** [Tar17a, Tar17b, Tar17c, Tar17d, Tar17e, Tar18a, Tar18b, Tar18c, Tar18d, Tar20a, Tar21a, Tar21b, Tar21c, Tar21d, Tar22a, Tar22b, Via11b, Via12c, Via12d, Via13b, Via13d, Via14c, Via15b, Via15a, Via11a, Via12e, Via12a, Via12b, Via13c, Via13e, Via14b]. **Articles** [Ano15, Tar16a, Tar16b, Tar16c, Tar16d, Tar17f, Tar17g, Tar17h, Tar19a, Tar19b, Tar20c, Tar20b, Tar21e, Tar21f, Via11d, Via14a, Via14d, Via15c, WK15, Via10b, Via11c, Via13f]. **ary** [Gui78]. **ASCII** [Chu81, Sar83]. **Aspects** [FW74, HSS11, Hel61, KP90, KB81, Mit74, Sri65, Sta72]. **Assembly** [Sch72]. **Assertions** [Weg77]. **Assessment** [MH82]. **Assign** [GMB85]. **Assignment** [AP86, BMPT91, Cur63b, DS78, Kur62, Liu63, Sch72, TTK66, BP03b, HB02]. **Assignments** [TWS80]. **Associated** [DM62, ALS09, MPR98]. **Association** [Ano68, Ano74, San65, Sti61, Wil54]. **Associative** [Pap87, Sal63, Sti81]. **Associative-Commutative** [Sti81]. **Associativity** [Sla74]. **Assumption** [DG21]. **Assumptions** [GS22]. **Asymmetric** [CGH<sup>+</sup>05, STV20, KLSS05]. **asymmetry** [Vöc03]. **Asymptotic** [BC61, FNS21, Har66, KT90, MM84, McK87, MM86, MPT96]. **Asymptotically** [GST16, Hor78, LT82, TRE73, CKOR14]. **Asymptotics** [MW84]. **Asynchronous** [AACH<sup>+</sup>14, AFL83, ABND<sup>+</sup>90, ADG15, BCP20, Bau78, Boj84, BFR<sup>+</sup>22, BT85, BS89, EGM16, GH23, GGGK13, HYC16, JT75, Liu63, LM86, MMR15, TS95, ÜD90, AC08, DFSL14, HS99, MRR03]. **Atomic** [AAD<sup>+</sup>93, AACHE15, AACHE18, FT22, GPV89, HV95, Her90, SAG94, AKMS11, FG10]. **Attack** [Cun85]. **Attempts** [BFGY19]. **Attenuation** [San88]. **Attribute** [Dil89, EF89, GVW15, Jaz81, Boy05, NV02, RS99]. **Attribute-Based** [GVW15]. **attributes** [RS99]. **Auction** [DHL<sup>+</sup>20, JL23]. **Auctions** [CKS16, DV16, DRY16, DFN<sup>+</sup>24, GML15, BLP09, GG13b, LOS02, LBNS09]. **Augmented** [Kau71]. **Augmenting** [BMPT91, GM80]. **authenticated** [KOY09, LLR06]. **Author** [Ano58b, Ano68, Ano95a, Ano97, Ano98a]. **Authoritative** [Kle99]. **Autoepistemic** [Got95b, MT91]. **Automata** [Aho69, ADO91, Arb61, Bar65, Bav68, BM70, Bro64, BW57b, BW57c, Bur70, Con91, CDPP23, DH94, EKS20, FMNP19, Fle62, FHO72, Fri62, Gin61b, GGH67a, GGH67b, GH70, GB69a, GB69b, GB69c, GB70, Har66, HS68, Har69, HH94, HU68a, KV94a, Kel61, KB67, KS66, Lee61, PP65, Pic67, RC69, Rit63, RS94c, SEY15, Tra66, Ukk82, Ull69, Val75, Wee65, Wee67, Win64, Yeh68, Yoe65, von66, ANTSV02, BGB12, BBB<sup>+</sup>00, FPS98, KVVW00, OG96, TS10]. **automata-theoretic** [KVVW00]. **Automated** [BG01, BY96, GOBS69, MW86, Ove74, Sla74, Win82]. **Automatic** [BB77, BB63, BB64, Cha66b, CM04, DL56, Doy65, Edm69, Gia64, GKR55, Gri73, Hen56a, HW55, KU80, Koc69, Lan59, Mar61, McA93, Mel56, Mos55, Nev70, Nev74, O'C65, Oet57, Per54, Sal73, Sch61, Sco58, Sla67, Sla72b, Smi82, Swi57, YL57, Yer66, YS76, YSS78]. **Automatically** [Hob93]. **Automating** [AM20, HC88]. **Automaton** [Fle65, Oeh63, Wee62, BYG96]. **Automorphism** [Fle65, Wee65, Wee67]. **Automorphisms**

[Bar65, GB69a, GB69b]. **Availability** [Her90, LM94b, dG89]. **Average** [AM85, ABD<sup>+</sup>21, BKST78, CM89, HRST17, Mot94, RS66, Rid76, TS95, JLV00, Lue09, SSS06]. **Average-Case** [HRST17, Mot94, JLV00]. **Averaging** [CDPP14]. **Avoidance** [Min82]. **Avoiding** [CCSS14, Mor97]. **Aware** [DJW14, CMT20]. **Axiom** [Cla79, Sal66]. **Axiomatic** [Bea72, Bea73a, Bea73b, MH82, AT10, BT00]. **Axiomatics** [CK79]. **Axiomatization** [PT20, SU82, Sci82, Kif98]. **Axiomatizations** [CGH83]. **Axiomatizing** [Men79]. **Axioms** [Dix73, Wan93, DFPP02]. **AYDAR** [ZL58].

**B** [FG99, Yi12]. **B-tree** [FG99]. **B-Trees** [Yi12]. **Backbone** [GKL24]. **Backing** [BAP06]. **Backlogs** [Gav71]. **Backoff** [BFGY19, GGMM88]. **Backtrack** [Ber73, Fre82b, Fre85, GB65, KZ93]. **Backtrack-Bounded** [Fre85]. **Backtrack-Free** [Fre82b]. **Backtracking** [SD76]. **Backus** [Can62]. **bad** [KVV04, RT02]. **Balance** [CHT77]. **Balanced** [AGH00, DPRS89, LS23, Tar79]. **Balancing** [GJL21, OV23, Rab89, RY91, TT85, AAF<sup>+</sup>97, BM96, KP02, Vöc03]. **Ball** [BBB<sup>+</sup>21]. **Balloon** [GH70]. **Ballot** [RV78]. **Banded** [RMK79, Sav84]. **Bandit** [BEL21, JWW<sup>+</sup>23, GMS10]. **Bandits** [BKS18, ISSS22, KSU19]. **Bank** [Flo64]. **Bar** [RBCC19]. **bargaining** [Vaz12]. **barrier** [DI05, GR98, KS11]. **Base** [Kan65, Low68]. **Based** [AV89, Aki70, ABB<sup>+</sup>17, Bak62, Bau85, BMR97, Bry91, CGOS13, CM74, DM87, DH86, EG95, Eld59, FL18, GVW15, Gri86, HMZ13, KLW95, KUB<sup>+</sup>15, NO80, RS94c, Rob65, San65, San69, Sha67b, SV85, Smi70, TPH86, Wan80, Wes67, BG01, BP01, BEL21, CE00, CGL<sup>+</sup>22, DG21, Kor08, MSU99, Mye99, NV02, Reg04, Vem10, HZ92]. **Bases** [Baa93, CKN18]. **Basic** [BCL19, Cur63a, Mat82]. **Basis** [Baa93, Gal82, MH89]. **Batch** [Del70, HB21, Wil91]. **Batched** [HY77]. **Bateman** [Tho57]. **Baur** [CGS15]. **Bayesian** [BGJ10, CKS16, Dar03, FKR19, San96]. **Be** [BIM95, KT78, Yao81b, BDFG19, PW93, Was80, Wei66]. **beacons** [KSW09]. **Becoming** [Hal97]. **Beek** [ZY03]. **been** [Sho03]. **before** [BZ14]. **Beginning** [PTW88]. **beginnings** [Alt03]. **Behavior** [BC61, Lam82, TG82]. **Behavioral** [MN05, PS00]. **Belief** [CF20, CO17, DPW18a]. **Bellman** [FL18]. **Bending** [Was54]. **Benefit** [ST73]. **Benefit-Cost** [ST73]. **benefits** [AFH96]. **Bernard** [DNRS03]. **Bernoulli** [Jen73]. **Bernoulli** [Bau58a, DHKN21, Mou65b]. **Bernstein** [GR74]. **Bernstein-Bézier** [GR74]. **Bessel** [CU59, dWF58]. **Best** [BC61, CF59, DLN73, DP85, GLH57, HP59, KIM81]. **Best-First** [DP85]. **Better** [BK77a, JSV97, TWZ23, YR78, GKPR07]. **Between** [Bea82, HU68b, HS78a, HS78b, LBB67, PS78, RV80, SDPF81, WW18, WM74, AM85, AGPV90, BPC<sup>+</sup>12, BS88, BW94, KA88, PU89, SDPF87, ŠVV09, Tho07]. **betweenness** [DEP10]. **Beyond** [BZ14, BS85, CHO<sup>+</sup>22, CO84, DEG<sup>+</sup>21, GR98, LMW05, LW08, APR13]. **Bézier** [GR74]. **Bi** [CDOY11]. **Bi-Abduction** [CDOY11]. **Bias** [BHT18, FACP81, ACKM09]. **Bibel** [SW01]. **Bibliographic** [Sal63].



**Bibliography** [Hou56a]. **Biclique** [Lin18]. **Biconnectivity** [KV94b, HdLT01]. **Bidding** [AHC19]. **bidirected** [MMHW97]. **Bidirectional** [ON68, dCS77, de 83]. **Bierstone** [MC72]. **Big** [BK77a]. **Biharmonic** [Par61]. **bijjective** [AS13]. **Bilinear** [Ja'80, BL04b]. **bill** [Hal00]. **Billing** [Wis54]. **Bills** [Sal60]. **Bin** [GR20, LL85, Yao80, CJK<sup>+</sup>06, Sei02]. **Bin-Packing** [LL85]. **Binary** [AM78a, BC74, BK81, BK82, Bur76, Cha66a, Cha69a, CJLW22, Dev86, DH86, FM79, Fit60, GGMM88, Har74, HD64, KR89, KW89, LM94a, Lio71, MS74, MMR15, NW73, PRR74, Par55, Pen65, Pro80, RV78, Sla64, ST85, SF80, Spr92, Zer85, Zol78, AD01, Drm03, MR98, Ree03]. **Binding** [Dav17]. **Binding-Time** [Dav17]. **Binomial** [Wei62, You67]. **Binomial-Weighted** [You67]. **Bipartite** [BHR19, FHTZ22, IRT78, RA20]. **Bird** [Cha14]. **Bisection** [Wil78]. **bisimilarity** [JS08]. **Bisimulation** [BBK93, BIM95, vW96, BCG07, DV95, SP07]. **Bisimulations** [CH89]. **Bistable** [Pul55]. **Bit** [DMR08, KS11, Mye99]. **bit-vector** [Mye99]. **Bitcoin** [GKL24]. **Bitmaps** [Hob93]. **bits** [HN04]. **Black** [DHKN21, Kla85, KNY19]. **Black-Box** [KNY19, DHKN21]. **blackbox** [SS13]. **Blank** [ER64a]. **Block** [Cur63a, CV59, Sch72, Wat73]. **Blocking** [CPT94, DLT94, KR76]. **Blocks** [CCSS14]. **Bodies** [AGTG21, DFK91]. **Body** [CK95a]. **Book** [Ano60, Ham56b, Ham56c, Ham56d, Ham57a, Ham57b, Ham57c, Ham57d, Ham58a, Ham58b, Ham58c, Ham58d, Ham59a, Ham59b, Ham59c, Ham59d, Ham60]. **Boolean** [Sim67, AGG62, BBCP20, BP89, Bre70, BDG<sup>+</sup>13, GKR16, HRST17, HP72a, Har63a, Hay76, Hir58, KV94a, KLV94, KB81, Law64, Lee02, MP65, MP66a, Nat67, Sim65, SV85, Svo75, War62, WM74, YCW99]. **Boosting** [FGMS05]. **Both** [KW66]. **Bottleneck** [GG78, HS86]. **Bound** [And65a, Bry82, Das75, ES86, FGR<sup>+</sup>17, Fre81, GW85, HS21, Hel89, Iba77, KZ93, Kir81, Kla85, KS74, MST91, Mor73, Raz19, RS94b, Rub15, Rub22, Sch88, Smi84, Yao81a, CR12, JLV00, Ste03, SM02]. **Boundaries** [BN13]. **Boundary** [AT71, Ber54, BH65, CM60, CM61, Col58, CD60, Cry70, Cry71, Ehr58, Ehr59, HW67, MP59, Usm66, Was71, Yak76, Zaf69]. **Boundary-Value** [Was71]. **Bounded** [AM85, BHM11, BSV20, Con91, Coo71, DH94, DJM<sup>+</sup>20, ES17, Fre85, GNP20, GX22, HV02, HH94, HU69, Iba78, Lov16, MS92, SS79, SL15, Sud75, TS74, BFU01, BL04b, DR03, DFHT05, DW99, MLS76]. **bounded-genus** [DFHT05]. **Bounding** [CM96, HKP84, ZS99]. **Bounds** [Abe80, AAHK94, AC81, AC23, AG17, AHU76, AACH<sup>+</sup>14, AH92b, ABDH<sup>+</sup>20, ADLS94, BBH<sup>+</sup>21, BH89, BZ14, BBBL95, BN23, Car58, Cau58, CN95, CG67, Cha90a, Cha90b, CC16, CRTY23, Che19, CdDPL<sup>+</sup>24, CADMD21, CHK82, CS84, CFG<sup>+</sup>17, DKK24, DHK19, DR85, DCKT92, FL74, FMP<sup>+</sup>15, FB72, FNS21, FG79, GR60, GH23, GLVV12, GYY80, Gup79, GHLL22, HHHN14, Hib61, HS78a, HS78b, JK78, Kar67, Ked79, Kis91, KMW16, Kun76, LT82, LMNM03, LY89, LM94b, Mey85, MP75, NW73, Oma77, PKR84, Pet15, Pot17, Raz13, Rei80a, Rob74, RVW18, She14, Smi70, Ste83, SEY15, Tiw87, Tro84, Tsa74, Wil14, WC76, YY76, AS04, AC05,

AK10, AAF<sup>+01</sup>, Asp98, AC08, BBC<sup>+01</sup>, BSSV03, BLR10, BL04b, CR12, CeLT00, CKL<sup>+07</sup>, CD08, EFR07, FG10, FLvMV05, FV02, GHS13]. **bounds** [GHS09, HKM<sup>+02</sup>, Kol04, LLW10, LNT97, Lue09, Niv10, Raz04, SS13]. **Box** [KNY19, DHKN21, ZS99]. **BQP** [RT22]. **Bracketed** [San72]. **Branch** [BDSV24, Hel89, Iba77, KZ93, KS74, Smi84]. **Branch-and-Bound** [Iba77, KZ93, KS74]. **Branching** [BIZ18, EH86, Weg88, vW96, DV95, KVVW00]. **branching-time** [KVVW00]. **break** [BK79]. **Breaking** [ADH15, BEPS16, KS11, DI05, DMR08]. **Bridge** [Ber63]. **bridging** [Zwi02]. **Broadcast** [AGPV90, BT85, FGL77, FKL98]. **Broadcasting** [CD21]. **Brouwer** [CD08]. **Büchi** [CH14]. **Bucket** [Tra63]. **Buffers** [BK77a, DR03]. **Buddy** [PS70]. **Buffer** [BGH<sup>+95</sup>, GL71, Hof77]. **Buffering** [Fer60, MS59, Sch72]. **buffers** [BFU01]. **Building** [CJJK00, Cur63a]. **Built** [Sla72b, Wan93]. **Built-in** [Sla72b, Wan93]. **Bulk** [Adi73, Del70, HM72]. **Bureau** [Mey65]. **Burroughs** [Mie57]. **Burrows** [Man01]. **Bursts** [Das75]. **Business** [PM71]. **Busy** [BN71, Dad88, NBC72]. **butterfly** [BCH<sup>+96</sup>]. **butterfly-like** [BCH<sup>+96</sup>]. **Buyer** [BILW20]. **BWT** [GNP20]. **BWT-Runs** [GNP20]. **Byzantine** [BCP20, Bra87, DR85, DRS90, DW04, HPZ24, KS11, KS16, LSP82, Lam83, LR19, LLR06, MMR15].

**C** [Ano98b, OM78]. **cabbage** [HP99]. **Cache** [MT19, Rao78, FV02, SCD02]. **cache-efficient** [SCD02]. **Caching** [LV21]. **Calculating** [BS74, CLW95, GK58, Leb56, dG89, dL89]. **Calculation** [AS54, Col71b, Flo60, IS56, von56]. **Calculations** [Cha66b, Sto64a]. **Calculator** [BT57, HK54, Mos54, Par55]. **Calculi** [Gai20, BG98, CHL96]. **Calculus** [ABF17, BBFD23, Bra78, Fra61, Fri63b, Klu82, Man69, Sla63, Sla70, van72, DKP07, OR00, PS00, PR99]. **Call** [ST80, LNT97]. **Call-by-value** [ST80]. **Calls** [AM82]. **Can** [EC64, FHV92, KT78, Was80, BRSU97]. **Canceling** [GT89]. **candidates** [CSL07]. **Cannot** [PW93, BDFG19]. **Canonical** [AM82, BD94, Cav70, CK76, Cur59a, Cur59b, GNP<sup>+93</sup>, GH73]. **Can't** [BIM95]. **Capabilities** [Tra63]. **Capability** [GGV<sup>+24</sup>, WL85]. **Capacitated** [Gav83]. **Capacities** [TWS80]. **Capacity** [Che19, EW75, Kne93, Oma77, SM64]. **Capturing** [GUK<sup>+16</sup>]. **Card** [Ber54, Tit55, Was54]. **Card-Program** [Tit55]. **Cards** [Leh57, Per54]. **Care** [Chu61]. **Carlo** [Ehr59, FKV04, HH57, Ham56a, HH63, Mos58, RTW94, TM66, TI70]. **Carnap** [Got95a]. **Carr** [GR60]. **Carrier** [Tob82]. **Carroll** [HHR97]. **Carrying** [Bli72]. **Cartesian** [Mor97]. **Carvings** [KV94b]. **Cascade** [Yoe65]. **Case** [Cha90a, CM89, FKS84, Fri63a, GW85, GS90, HRST17, Mot94, Ros83, Tv84, TSG85, DKP98, JLV00, LBNS09, NPRR18, SSS06]. **Cash** [Bui77]. **Catastrophe** [Nel87]. **Categories** [Ano68]. **Categorizing** [Lee61]. **Catenation** [DST94, KT99]. **Cayley** [Lar76]. **Cech** [BDK24]. **Cell** [Wol65, LMNM03]. **Cell-Size** [Wol65]. **Cellular** [Bur70, Muk68, Smi71b]. **center** [CGH<sup>+05</sup>]. **Centers** [GM70]. **Centext** [LW93]. **Centext-Free**

[LW93]. **Central** [Men65, PGL76, Pri76]. **Centrality** [RP89, DEP10]. **century** [Bro03]. **Cerise** [GGV<sup>+</sup>24]. **Certain** [Boo78, Col58, Dub66, Gau61b, Hib62, Hof77, Kun76, LV57, Phi62, Ros68, Sla64, Usm66, Win75]. **Certifiable** [BCM<sup>+</sup>21]. **Chain** [CG86, DJM17, Hof84, XB06]. **Chained** [Sta72]. **chaining** [BG98]. **Chains** [AAGT15, CS85, CI74b, RW23, Ste83, WSY<sup>+</sup>19, AKN<sup>+</sup>08, DMR08, EY09]. **challenge** [Hoa03]. **challenges** [Bro03, Cor03, Fei03]. **Change** [CG70a, EHR84, Wri75, Rag03]. **Change-Making** [CG70a, Wri75]. **Changing** [CK76, SR60]. **Channel** [BFGY19, BBBL95, FGL77, GK94, AZ05]. **Channel-Access** [BFGY19]. **Channels** [AAF<sup>+</sup>94, Che19, GW85, GFL87, GS16, MS92]. **Chaotic** [LM86]. **Character** [Chu65, CC67, EC64]. **Characteristic** [BGKM23, DH56, Fra58b, Giv57]. **Characteristics** [Kro66, Low68]. **Characterization** [CM83, Cul79, Dem92, GS83, HS71, KS74, MST93, RZ19, AS98, BCG07, BKL<sup>+</sup>06]. **Characterizations** [Coo71, HU74]. **Characterizing** [AGHR17, HP07, Smi79]. **Chart** [Sco58]. **Charting** [GKS04]. **Charts** [BS72]. **Chasing** [AGTG21]. **Chasm** [GKKS14]. **Cheating** [Rab94]. **Chebycheff** [SS58]. **Chebyshev** [Dun74, Mou65a, She57a, Sto64b]. **Check** [BK95]. **Checker** [de 86]. **Checking** [BKTW22, Cal61, CKN18, Gin67, Kob13, Mar59, Par55, SEY15, AS98, CGJ<sup>+</sup>03, DNS05, KVV00, NR09, WB97]. **Checkpoint** [Gel79]. **Cheeger** [LGT14]. **Chemical** [CDRS23]. **Chemistry** [GV61, WJR57]. **Chen** [ZM22]. **Chervonenkis** [BEHW89]. **Chess** [KSU<sup>+</sup>57]. **chief** [Jou03, Hal97]. **Chinese** [AB03, BGJ10, Li59]. **Choice** [DK65, LS24, LS23]. **Choiceless** [LS24]. **Chow** [DDFS14, Win71]. **Christofides** [AKS15]. **Chromatic** [Wan74a]. **Church** [DKRW15, MNO88, Ros73a, Set74, Set75, Sha88, Toy87, Yao03]. **Circle** [GSH89]. **circles** [ANP<sup>+</sup>04]. **Circuit** [All89, BSKK<sup>+</sup>16, BKK<sup>+</sup>18, BEGY22, CRTY23, Cur61, Cur63a, GP18a, Joh93, Kle67a, Wil14, SM02]. **Circuit-SAT** [BSKK<sup>+</sup>16]. **Circuitry** [ILP97]. **Circuits** [Chu61, CS88b, Cur59b, FU82, Gil65, GVW15, HRST17, IKL<sup>+</sup>19, Lei57, LMN93, Liu63, RW92, RVW18, Rub74, AAF<sup>+</sup>97, AACH12, Bra10, SS13]. **Circular** [dWF58, RS99]. **Circularity** [Dil89, Jaz81]. **Circulation** [Ros71]. **Circulations** [GT89]. **Circumscription** [KP90, RWM94]. **clairvoyance** [KP00]. **Clairvoyant** [IKM17]. **Clamped** [AC55]. **Class** [AM78b, Bak62, Cas75, CC95, DG84, Di 69b, DCKT92, ES86, GK88, HP66, Har64, Hir58, HD73, KS66, Mat81, Ove74, PTW88, SU82, She57a, Win65b]. **Classes** [ACJR21, Bar65, BCMP75, BY73, Boo78, CF12, Di 73, DSS22, ESvL80, EG82, ESY85, FMI80, Har63a, Hib61, La 64, LR72, LED76, LS86, MY16, Ros69, Rus82, SFM78, Sud75, Tor91, XDB83, Yu75, Har03]. **Classical** [GS57, SS17, Yao03, van72, NS06a]. **Classification** [BB63, BB64, Doy65, Mey65, San65, KT02]. **Clauses** [Fag82, Lew78, NM90]. **Claw** [FOS14]. **Claw-Free** [FOS14]. **clearing** [BSZ06]. **Clinching** [GML15]. **Clique** [ABD<sup>+</sup>21, BBB<sup>+</sup>21, DP22, Weg88]. **Cliques**

[FGR<sup>+</sup>17, MC72, FGL<sup>+</sup>96]. **Clock** [DHSS95, LR19, ST87, DW04, LLW10]. **Clocked** [ILP97]. **Clocks** [GS21, LMS85, NT93a, HV02]. **Closed** [BCMP75, CM96, CLW95, GK58, KT90, MM84, McK87, MM86, RL80, RL81, Bas99]. **Closeness** [BFR<sup>+</sup>13]. **Closest** [Val15, LMW02]. **Closure** [DSS22, JCG97, NO80, Rei80b, Rem81, DI05, TS10]. **Closures** [Gra55b, Kel73b, Sac85]. **CLS** [FGHS23]. **Cluster** [AM70]. **Clustered** [FT22, TTK66, YL77]. **Clustering** [AGPT16, BBG13, BBS90, CGOS13, CM96, CAFS21, CaKMTM19, GK68, Gui78, MB83, ACN08, KSS10, OR02]. **clusterings** [KVV04]. **Clusters** [Mou65b]. **CNFs** [FPPR22]. **Co** [CDPP23]. **Co-lexicographically** [CDPP23]. **Coalesced** [Vit83]. **Coarse** [CD94]. **Coarse-Grained** [CD94]. **Code** [AJ76, AJU77, Bea72, Bea73a, Bea73b, BG77, BL75, BS76, DR54, Ear74, GGV<sup>+</sup>24, Gon81, GS16, Har76, Kor58, PGE75, SU70, BY96]. **Coded** [Mor68a]. **Codes** [AM80, BSCI<sup>+</sup>23, CJLW22, Das75, DPW18b, GS57, GX22, HS21, Kle67a, KMRZS17, LH90, Mul78, Vit87, GS06, GUV09, KSY14, Reg09, Tar08, Yek08]. **Coding** [AYZ95, Bak56, BZ23, BKN14, BEGH17, Cor63, GKR55, Gor57, GM56, Hae16, HW55, KS63, Kor58, Mar71, Mel56, ST73, ANTSV02, WR03]. **coefficient** [BL04b]. **Coefficients** [CD87a, McC73]. **cognitive** [Val00]. **coherence** [PD98]. **Coin** [BHT18, CK76, Asp98]. **coin-flipping** [Asp98]. **Collapses** [DV14]. **Collapsing** [Ko90]. **Collections** [LRY80]. **collision** [AS04]. **Color** [AYZ95]. **Color-Coding** [AYZ95]. **Colorable** [KT17]. **Coloring** [BE11, Bar16, Blu94, GJ76a, HSS18, Hsu88, KT17, MB83, Wig83, BEG22, KMS98]. **Colors** [DDST16, KT17]. **Colourings** [Mol18]. **Combination** [Wes67]. **Combinational** [Alt88, Ric73a]. **Combinations** [Ehr73, MBM89, Sho84, Wei66, dWF58]. **Combinatorial** [AIK84, AK16, Bon70, BC73, CKS16, DEL80, DV16, DRY16, Ehr73, ET76, FMP<sup>+</sup>15, Gus83, Hib62, Rei79, TNS82, WC74, ARV08, BLP09, BR96, BFG03, BM96, CR12, GG13b, IFF01, LOS02, LBNS09]. **Combinatorics** [BSLRZ14, Gri86]. **Combined** [BKK<sup>+</sup>18, Wis54]. **Combining** [Ked79, PM06, RS83]. **Commands** [DS78]. **Comments** [BCPW74, Bui77, Wil71]. **Commitments** [LP15]. **Commodity** [Ita78, Ram80, CKL<sup>+</sup>07, KRV09]. **Common** [AHU76, AJU77, AS97, Bro71, DST80, HM90, Hel89, Hir77, Kal88, MST91, MO68, NT93a, PS80, Lue09]. **Communicating** [Apt83, BZ83, BHR84b]. **Communication** [ABF17, AAF<sup>+</sup>94, AGPV90, BKS17, BSLRZ14, BEGH17, CIV88, CYZG14, Chu81, DG16, FLMS93, FNFSZ23, GKR16, Jai15, KLPP15, Lam86a, Lov16, LT93, Mae77, Sar83, She14, Tiw87, TS95, Upf84, AAPS96, BPC<sup>+</sup>12, BDHS12, FKL98, GJS12, JRS09]. **Communications** [MC87]. **Commutative** [Baa93, Kor89, Sti81]. **Commutativity** [Sla74]. **Compact** [Tho04]. **Compactly** [ABF<sup>+</sup>02]. **Comparative** [BM83]. **Comparing** [Alt88]. **Comparison** [BK79, Gau59, Gau60, KS74, Mul59, PRR74, Sch72]. **Comparisons** [Yen72, FG05]. **Compatibility** [Gin61a, RG67]. **Compatible** [RBCC19]. **CompCertTSO** [SVN<sup>+</sup>13]. **Competitive**

[AGTG21, BBMN15, IKM17, LV21, BG00, CL11]. **Compilation**  
 [FU82, Lib01, SK96]. **Compiled** [Dix73, GHG60]. **Compiler**  
 [MO56, Moc56, SVN<sup>+</sup>13, Sim63, Hoa03]. **Compiling**  
 [GGH67b, HN84, Pet62]. **Compiling-Parameter** [Pet62].  
**Complementation** [Rei84]. **Complementedness** [HU66]. **Complements**  
 [ERR81]. **Complete**  
 [Bak94, BBH<sup>+</sup>87, CM87, CK79, ET76, GHKL11, GI79, Jaf90, Mic76, PS81b,  
 Pie73, Rei86, R6c84, SU82, SG76, Sal66, Sch78, Sci82, Sla72a, Yen72, AAM22,  
 APR13, BT95, GRS00, GPP<sup>+</sup>19, HHR97, SV03, TKB95]. **Completely**  
 [Hab70]. **Completeness** [AB70, BBFD23, Bau85, BE97, CS71, Dav77, GJ78,  
 HWW90, HL76, HR91, Kap68, LF88, SW82, VVAG97, WRC65, MS19, SW01].  
**Completion** [GHS75, SSS06]. **Complex**  
 [ABL80, BIW63, CC17, GB74, Lyn75, Pen65, WS76, Wil78, PD98].  
**Complexes** [GR79, BER06, DG98]. **Complexities**  
 [Alt88, Elk20a, FZ77, HU68b, Iba72, MP75]. **Complexity**  
 [AVV97, AP93, AHU76, All89, ABB<sup>+</sup>17, ABDH<sup>+</sup>20, AACHE15, AACHE18,  
 Awe85, Bab16, BY73, BSLRZ14, BSKK<sup>+</sup>16, BKK<sup>+</sup>18, BP89, Blu67, BR23,  
 BG15, BD87, Bor72b, Bor72a, BK81, BK82, Bsh93, CC17, CV17, CM85,  
 CF12, CYZG14, CPY17, CST<sup>+</sup>18, COW16, CS77, CR86b, CY95, CS99,  
 Dil89, EG95, EF75, ESY85, FGHS23, FNFSZ23, FT88, Fre81, Fre82a, GJ76a,  
 Gat83, Gen78, GL76, GS93, GW21, GHJ<sup>+</sup>24, GK84, GLPR21, GHKL21,  
 GP18a, GI81, Har68, Har69, HH71, HHPW14, HZ16, Hod70, Hun82a, Hun84,  
 HK77, IKL<sup>+</sup>19, Ja<sup>'</sup>84, Jai15, Jaz81, JS82, JM78, KB89, KKG<sup>+</sup>22, KNY19,  
 KMRZS17, KP96, KPP<sup>+</sup>15, LR72, LS81b, Lin18, LS86, LT93, Mai78, MSY81,  
 MT85, Mar58, MM81, MHG<sup>+</sup>88, MP65, MP66a, MT19, MSM85, Mor73,  
 Mor75, MGLA00, OKSW94, Ove24]. **Complexity**  
 [Pap76, Pap81, PY82, Pap84, PF79, Pip89, Raz16, Rot17, SLM19, SH88,  
 SFM78, Sel72, SSSU83, SC85, SV85, Sud75, Sud78, TZ16, Tiw87, Tor91,  
 TW79, TS95, Weg77, Weg88, Wil70, XDB83, Yan79, AGHK09, BPC<sup>+</sup>12,  
 BG01, BR96, BK10, Bul13, BL04b, CSV09, Cha00b, CDT09, DMR08,  
 FCFM00, FHS98, FKP13, GLS01, GKPS05, Gro07, Har03, HLP99, JLV00,  
 JS96, KZ13, McA02, MPT96, MMHW97, Mul11, NR09, Raz03, SM02, tCL09].  
**compliance** [LMW05]. **Component**  
 [CH14, DST92a, DST92b, HW90, Sam81, CLMW11]. **Components** [Nat67].  
**Composable** [Can20]. **Composite** [DI87, Ral59, SB73]. **Composition**  
 [NSSV24, Weg69, LLR06]. **Compositional** [Bro97, CDOY11, VSC24].  
**Compound** [von62]. **comprehensive** [JS96]. **compressed** [FM05].  
**Compressing** [FLMM09]. **Compression**  
 [ABDH<sup>+</sup>20, BZ23, BW94, GS85, Kor58, LWZ21, MY16, RPE81, SS82, Tar79,  
 ABF<sup>+</sup>02, BFG03, FGMS05, VK96]. **Compromise** [KG74]. **Computability**  
 [AFR19, SS63, TNS82, ZW03, HS99]. **Computable**  
 [Abe68, CG67, Ste83, BT95]. **Computation**  
 [BKS15, Bau56, BW57a, Bro71, CM85, CDRS23, Col71a, Dal73, DVSC77,  
 Dye68, EV62a, EV62b, Fik59, FLPS16, FJ60, Gab16, GS22, Gau61b, GKR15,

GHKL11, HS55, Ja'80, Kam87, Kap68, KZ93, KMW16, LF80, Lar76, LV57, LY89, LT93, Mac55, MST93, Meg83, MY84, Mor75, Ove66, PS80, Roc94, RVW18, Smi71b, Yao82, AM07, BSSV03, DP01, GN08, Ind06, Val00].

**Computation-Universal** [Smi71b]. **Computational** [AVV97, Bor72a, Har68, HH71, HZ16, KS63, KP90, MW84, Par61, PV88, Pra60, RKN75, SK73, Sav72, Sri65, Sri76, TM73, Wil70, Fei03, HLP99, MMHW97, RS00, Bor72b].

**Computationally** [GS16]. **Computations** [Abe80, Ano57, BBE70, Bau85, BL79, BP89, Bli72, Fri62, Gen78, Giv58, GK84, HH63, Har68, Hem64, Hen56a, Hen56b, Hun84, JS82, KRR22, KMW67, KM20, MS19, MST91, ME67, Mát90, NJ57, Pyl64, Rei68, San96, Tsa74, Wei55, WJR57, BL99].

**Compute** [CAA74, Rei87]. **Computed** [KT78]. **Computer** [Adi69, AK70, Ano56a, Ano56b, Ano56c, Ano56d, Bau58b, BK72, Bla59, Blu58, BO56, Bra77, Bra67, BT69, BFGL79, Chu65, Cof69a, Cof69b, Den61, Den58, Den65, EV57, EV62a, EV62b, FH80, Flo60, Flo61a, Fri63a, Fri56, GP83, Gav67, Gel75, Gla57, Gol57a, Gol57b, Gol57c, Gol57d, GL70, GR74, Got54, Ham69, Hol62a, HR63b, HR63a, HY77, Isr57, KS78, Kam80, Kob74b, KSS75, KSS77, Lan59, Lat81, LS88, Lei57, LNSW59, LY61, Les58, LS71, Lie59, LR65, LKK83, LM94b, Mae77, Mam66, Mau66, MC74, MO56, Mil75, Min70, Mos58, Nel87, Neu54a, Neu54b, Neu54c, Neu54d, Neu55a, Neu55b, Neu55c, Neu55d, Par55, Per56, PPV60, Pri76, Ras70, RS66, RS67, Rob63, RY91, Row57, SM64, SL68, Sal72, SGRR75, SAKS64, TT85, Til58, Tiw87].

**Computer** [Wad56, Wal61, Wil62, Wun67, dG89, Bro03, Cor03, Val03].

**Computer-Aided** [BT69, GR74]. **Computer-Feasible** [Wal61].

**Computers** [ABV60, BC54, BR54, Co071, CU59, Dub66, Gol82, Har64, HST76, HI59, Jac54, Lip57, Mul59, NS80, Rub55, Sch64, Sch66, Swi57, Wil68, Wir68a, Wir68b, CRS01, KP02, Lam03].

**Computing** [AGMT95, ASV06, Ano68, Ano74, ASW88, BNNS94, BIW63, BCL19, CKM<sup>+</sup>14, Cha66a, Cha69a, Cha69b, Cor63, CM57, DP60, DL19, DG98, DH59, Elg54, Fra65, Fre82a, Gal82, GF60, Gus83, HS74, HS75, JP84, Jef56, LW63a, LW63b, LS87, LM86, LM94b, OD67, PR08, Ric74, Sho81, Wan57, Wil78, Wil54, Zad72, ALS09, BP03b, CDT09, EM07, FKP13, Hoa03].

**Concave** [EGGI92b, AC24, CdDPL<sup>+</sup>24, VY11]. **Concavity** [DLT94].

**Concentration** [Men15]. **Concept** [Sti73, Svo75, WRCS67]. **concepts** [BGM<sup>+</sup>98]. **Concerning** [And68a, Gli65, Iba72, Lio71, Men65, Pic67, PT57, Rob74].

**Conclusions** [GM56]. **Concurrency** [BC14, BBG89, DH94, HM85a, Her90, HH94, Klu83, Pap82, Pap85, SVN<sup>+</sup>13, YDL93]. **Concurrent** [ACHS16, CRR18, CHL01, DNS04, LTV96, MM79, Pap79b, Pel87, SM90, VV12, AACH12, DW99, HV02].

**Condensation** [Mac57]. **Condensers** [Pul55, BKS<sup>+</sup>10]. **Condition** [Esc60, FL74, Fre82b, Fre85, Loi69, CS99].

**Conditional** [AFR19, Bro82, DKK24, Ham56a, Set78]. **Conditioning** [Osb60, MS19]. **Conditions** [AGHR17, Bon70, Bra77, Bri90, Chu61, CD60, Ern69, Gav71, Gla91, HW67, Mad66, Mit72, MRR03, SS24, Ats04].

**Conductance** [CGLP18]. **Conference** [Ano57, Giv58]. **Configuration**

[GE84, KS78]. **Configurations** [Ehr73, SS13]. **confinement** [BN05].  
**Conflict** [LR78]. **Conflict-Free** [LR78]. **Conflicts** [BCW85, GW85, GFL87].  
**Confluence** [CHL96]. **Confluent** [Boo82, Hue80, CKL<sup>+</sup>07]. **Conformal**  
[Rab66]. **Congested** [DP22]. **Congestion** [CL16, ARV08, AZ08, CN06].  
**Congruence** [NO80]. **Congruences** [LV57]. **Congruential**  
[ADH63, DKRW15, HD64, Wes67]. **Conjecture** [CMS20, CR86a, CG93,  
GOS13, KV15, Kor89, KP95, KMR95, Was81, Zhu20, HN07, ZM22].  
**Conjunctive** [AGK<sup>+</sup>17, BFGP20, GKS06, GLVV12, Klu88, Mar13, ADK06,  
CNS07, DS12, GLS01]. **Connected**  
[AK84, DST92a, DST92b, HW90, KA88, Mae77, NS80, Sam81].  
**Connected-Component** [DST92a, DST92b]. **Connecting** [LW57].  
**Connection** [BE97, Joh93, KLM<sup>+</sup>97, Kow75, NS82, GGR98, SW01, ŠVV09].  
**Connection-Graph** [BE97]. **Connections** [Bib81, WL57]. **Connective**  
[Gin60]. **Connectivity** [BM70, ES17, KT19, MP71b, Pot17, Ram66, Ros70b,  
Yan79, Yel75, ATSWZ00, BPC<sup>+</sup>12, Gab06, HdLT01, Rei08]. **coNP** [AR05].  
**Conquer** [DS13, ENRS00, FGK09, Rou01]. **Consecutive** [CCSS14, Gup79].  
**Consensus** [BT85, CHT96, CMS89, DDS87, DLS88, FLP85, FNS21, JSS16,  
LR19, MMR15, Ove24, AKMS11, Asp98, AC08, MRR03]. **Conservative**  
[Nic93, KZ13]. **Considerations** [Cha69a, Ram66, She67]. **Consistency**  
[AGHR17, BK14a, Har60, Kra62, Mar59, SK80, SN04, ZY03, vD95, vD97,  
AL08]. **Consistent** [BDFG19, CK79, PW93, Ros71, FKL98, MP10].  
**Constant** [AM94, BSKK<sup>+</sup>16, BFGY19, BR71, BHT18, BEGH17, CDG<sup>+</sup>20,  
CMS89, CADK<sup>+</sup>24, Gal95, GR20, HMZ13, Hob89, Hof84, LP15, LMN93,  
STV20, GMPS00, KLOW00]. **Constant-factor** [STV20]. **Constant-Rate**  
[BEGH17]. **Constant-Round** [LP15]. **Constant-Service** [Hof84].  
**Constant-Time** [CMS89, Gal95]. **Constants**  
[CLW95, Dub66, Lam82, Pla04]. **Constrained** [FK85, GC65, PM71].  
**Constraint** [BK14a, BBKO21, BAG14, BMR97, BMM18, BR23, CLRS16,  
Das75, EW75, LM94a, Mar13, vD97, Bas99, BDLW98, BK10, Bul06, Bul13,  
Gro07, ZY03, vD95]. **Constraints** [BLT93, GJ82, Gri86, IKM17, Llo82,  
MH89, Ram80, Shr70, CJJK00, DJKK08, FL02, JCG97, Pac10]. **Construct**  
[GGM86, Rem81, Zha21]. **Constructing**  
[HV95, JSS16, Kle67a, OG96, ST80, KLOW00]. **Construction**  
[CBHH61, CY82, CS77, Dil89, Jaz81, MF63, McC76, Sum77, Yu75, FCFM00,  
KSB06, Kel73b]. **Constructions** [GS16, Wil70, BKS<sup>+</sup>10, NR04, Reg04].  
**Constructive** [HSS11, RBCC19, MT10]. **Constructs** [Cla79]. **Containing**  
[Klu88]. **Containment** [HR77, MM81, MS04, tCL09]. **Content**  
[Eli74, Heh77, Kau71, Min70]. **Content-Addressed** [Kau71]. **Contention**  
[DHW97, GMPS00, AAF<sup>+</sup>01, AF03, MPR98]. **contention-resolution**  
[AAF<sup>+</sup>01]. **Context** [Aho68, BBK93, CMT20, CRGM78, Ell72, Gab16, GS63,  
GU66a, GU66b, GL76, Gor63, GH72, Gre65, Gre66, Gre69, Har67, HU66,  
Hib74, Jez19, KT69, Kor89, Mau69, MSW83, Par66, Pav72, Ros68, Ros70a,  
Ros67b, Sud75, Sud78, DR00, Lee02, MLS76]. **Context-aware** [CMT20].  
**Context-Free** [Aho68, BBK93, CRGM78, Ell72, GS63, GU66b, GL76, Gor63,

GH72, Gre65, Gre66, Gre69, Har67, HU66, KT69, Kor89, Mau69, MSW83, Par66, Pav72, Ros68, Ros70a, Ros67b, Sud75, Sud78, DR00, Lee02].  
**Context-Limited** [Hib74]. **contig** [HRM02]. **Continuation** [ST80, Wan80].  
**Continuation-Based** [Wan80]. **Continued** [Mac55, MB56, Mae60, Spi61].  
**Continuous**  
[CDRS23, CMYZ12, GTWW77, GKpKL22, Mon69, Sha66, She57a, Sig67].  
**Contour** [Mor68b]. **Contour-Line** [Mor68b]. **Contours** [Mas56].  
**Contraction** [CM60, CM61, GGS89, MP59]. **Contributions**  
[Ano68, Ano74, AV82, PR99]. **Control**  
[ABV60, BB59, Chi86, CG57, FGL77, JT75, KL95, Laz84, LED76, Mos55, Pap82, Pap85, Par79, Pol64, TG82, YDL93, Par80]. **Controllability**  
[Mow70]. **Controlled** [Cha66b, AW08]. **controlling** [BAL+21]. **Controls**  
[IL79]. **Convergence** [ADG15, Cha14, Dun65, Dun66, FG76, Hou56b, JM60, KNP+24, Pag76, PKT90, Sta56, Tor64, TW79, ABDCBH97]. **Convergent**  
[Moo67, Was80]. **Conversational** [IW71]. **Conversion** [Kan65, RS66, RS67].  
**Convex** [AGTG21, BEL21, CK70, CD87b, CH79, DRY16, DFK91, GW23, HS90, Jia23, Sku01, Yao81a, AHPSV97, BS88, BV04, Cha01, Cha10, DPSV08, LZ01, Vaz12, vD95, EGGI92b]. **Convexity** [AEK+12, ICR87]. **convey**  
[NS06a]. **Convolution** [Skl70, Tra69]. **Cooperating** [de 86]. **Cooperative**  
[Mel56, She59b]. **Coordinates** [ICR87]. **Coordination** [FKR19]. **Copy**  
[vO93]. **Core** [ESY85, GN08]. **Cores** [BD87]. **Corners** [Laa58b]. **Correct**  
[GL70, LS95]. **Correctable** [KMRZS17]. **Correcting** [Das75]. **Correction**  
[And68a, Bri90, EV62a, LW75, Pap85, SDPF87, She65a, Tai79, WF74].  
**Corrections** [MC72]. **Correctness** [AGK+17, BGGR23, Cap02, HZ92, HLMW92, Kow79, KP80, Mat81, Nou83, RK23]. **Corrector**  
[Alo60, Cha62, CL62, CK65, GS64, Ham59e, HC63, Kar68, Kro66].  
**Correctors** [KT67]. **Correlated** [FCMG22, FM79, PR08]. **Correlation**  
[Cov60, HS55, HH63]. **Correlations** [Val15]. **Correspondence** [Hum84].  
**Corresponds** [BGP17]. **Corrigenda** [DST92a, MP66a]. **Corrigendum**  
[Ano79, Bor72b, BK82, FH98, Gau60, Hal99a, HS78a, Par80, RL81, Ros75, Sim67, Wak68a, Wee67, Wir68a]. **coset** [HMR+10]. **Cosine** [DA68].  
**Cosmological** [SM02]. **Cost** [BBS90, CYZG14, Dav90, EW75, EGGI92a, EGGI92b, GT88a, GT89, HMR83, IAWK83, Nic93, OV23, PGE75, Sch88, Sla64, ST73, Wil91, YZJ18, GKPR07, RS09b, CK95b]. **Cost-Error** [Dav90].  
**cost-sharing** [RS09b]. **Costs** [AM80, CC76a, CC76b, BDHS12]. **Count**  
[AT71]. **Countable** [AP86]. **Counter** [BKK14, Dil89, GI82, SEY15].  
**Counter-Example** [Dil89]. **Counterexample** [CGJ+03, RWM94, SW01].  
**Counterexample-guided** [CGJ+03]. **Counterexamples** [Win82].  
**Counters** [BE62, Bai66, Fit60, You58]. **Counting**  
[ACJR21, AHS94, BGL+22, CC17, FGYZ21, FG79, KM20, Moi19, SV88, Tor91, Bul13, BDG+13, DGP07, SVV09]. **Coupling** [Ram80]. **Covariance**  
[Pag76]. **Cover** [BYCHS17, BRK74, Fei98]. **Covering**  
[BG77, Bre70, Fri73, GH72, Hen79, HM85b, Mic76, SK73]. **Coverings**  
[Nat67]. **Covers** [Mai80, Ott12]. **CPU** [BN79, TWS80]. **Crash**



[BFR<sup>+</sup>22, BN01, VJ00]. **Crash-resilient** [BFR<sup>+</sup>22]. **Crashes** [FLMS93]. **CRCW** [BH89]. **Creating** [VVAG97]. **Credit** [Sal60]. **Criteria** [BCFC<sup>+</sup>23, BT00]. **Criterion** [Ema63, Kna75, RK23, SS58, Wil59a]. **Critical** [Llo82]. **Criticality** [BBD<sup>+</sup>15]. **Critically** [Par79, Par80]. **Crout** [GLW70]. **Cryptanalysis** [DKK24]. **Cryptographic** [BCM<sup>+</sup>21, KV94a, Reg04]. **cryptographically** [AW08]. **Cryptography** [AAB17, May01, Reg09]. **CS** [McC03]. **CSP** [CC17, DJKK08, Zhu20]. **CSPs** [BDG<sup>+</sup>13, CGSV24, KZ13, RWZ23, TZ16]. **Cumulative** [Wei62]. **Current** [CLS21]. **Curve** [Aki70, Bas58, VV63, Fer64]. **Curve-Fitting** [VV63]. **Curves** [DL19, GR74, Hob89, PB89, Ros73b, GK99]. **Customer** [Mit72, PTW88, Tre54]. **Customers** [AAI69, BCMP75, CM96, Kam82]. **Cut** [KV15, Mar76, Yan85, CK09, GW95, GHLL22, KS96, LR99, SW97]. **Cuts** [Joh87, Kar00]. **Cutset** [TSOA80]. **Cutsets** [CNP85, TSOA80]. **Cutting** [CADMD21, FPPR22]. **Cycle** [Cho80, Gib69, OM78, SD83]. **Cycles** [APY91, CM93, CGS15, GT89, Wei72, DL07]. **Cyclic** [Adi73, BKK84, Cho80, LS71, Wel66]. **Cyclic-Queue** [LS71]. **Cyclically** [WLS85]. **Cyclicity** [HT24]. **cycling** [VH06]. **Cyclotomic** [CDW21].

**D** [Cha10, Shi10]. **DOL** [CH84]. **DAGs** [DI05]. **Danilewski** [Han63]. **Data** [ADLM14, APR13, AF58, AS97, BDSV24, BV84, BJL<sup>+</sup>82, Chu81, DL56, Ehr82, FP86, Fre83, GS85, Goo11, GK84, Gri86, Her90, HWB56, KU76, Kou77, KUB<sup>+</sup>15, Kow79, LMV16, LED76, LRY80, Lom62, Low68, McG59, Mor68b, Oet57, Opp80, Orm61, RG67, RPE81, Ros79a, Ros72, Ros79b, Sar83, Sch64, SN85, SS82, Tre54, ÜD90, VV63, Wal61, WS76, WL85, ZL58, AFN04, AZ05, AL05, AL08, AACH12, BKL<sup>+</sup>06, BT07, BMSS09, Cha10, FKK11, FG99, FMW10, Fre99, GE01, GN08, GS10, GHS09, Ind06, PMH09, VK96]. **Data-Independent** [BDSV24]. **Data-Oblivious** [Goo11]. **Database** [AV89, BFMY83, BK86, BK87, CM87, CH91a, Fag82, Fag83, FH80, GMSV93, Gal82, GS83, GPV89, Had88, HY84, Jac82, Klu83, Kor83, Lie82, Mai80, MW84, Pap79b, Pap82, Pap85, RT90, Sac85, SDPF81, SDPF87, Sag91, Set82, SK80, VVAG97, Via87, Wil91, Yan82, YDL93, BLR13, MS96]. **Databases** [Abi85, BNNS94, Dea89, ES76, GL22, HN84, IL84, Lip81, MH89, Men79, Rei79, Rei80b, Rei86, SU82, TSG85, Bas99, GE01, Kif98, RSG05]. **Dataflow** [Deb92]. **Datalog** [Ros94, GK04, HMSS01, KNP<sup>+</sup>24, GKpKL22, KKG<sup>+</sup>22]. **Davenport** [Niv10, Pet15]. **Davidon** [Ste67]. **Davis** [NOT06]. **Dead** [Kou77]. **Deadlines** [GJ76b, Mar82, PTW88]. **Deadlock** [AH92a, CR95, DG84, IAWK83, Kam80, Min82, JSMM03]. **Deadlock-Free** [DG84, IAWK83, JSMM03]. **Deadlock-Freedom** [Kam80]. **Dealer** [Rab94]. **Dealing** [FCB08]. **Debreu** [Vaz12]. **deBruijn** [CDMP92]. **decade** [Via10a]. **Decentralized** [BFR<sup>+</sup>22, Jaf83]. **Dechter** [ZY03]. **Decidability** [BBK93, BBFD23, BGG17, FL88, GHKL21, Hun82b, Hun84, OPSPW19, SJ80, Ven87, Kif98]. **Decidable** [AMP73, CH84, ER80a, GF80, Gur85, HU68a, KS66, SMK18, GG13a]. **Deciding**

[CNS07, ES17, FG01, GKS17, IM83, Jez19, LS77, LB79, Sho81, Sho84, Van07].  
**Decimal** [ADH63, Mos54]. **Decimation** [CO17]. **Decision**  
 [BH89, BLQT22, Chu65, CC67, CH90, Di 69b, Di 73, EY15, Fri62, Fri63a,  
 Fri63b, Iba78, Joy76, KLM19, LW93, LWZ21, MT85, Mat81, MSM85, Nau83,  
 NO80, Pag74, RS66, RS67, Sho79, Weg88, BSSV03, BT00, DFPP02, MGLA00].  
**Decisions** [BK77b, PM71, Sla64, KP02]. **declarative** [ANV13].  
**declustering** [CC04]. **decodable** [Yek08]. **Decoding** [GX22, KSY14].  
**Decomposable** [Dar01, Tal69, FG01]. **Decomposing** [GG13b, KLSS05].  
**Decomposition** [BE97, CK95a, CH14, CDMP92, CPT94, CS84, Cur63a,  
 Cur63b, FOS14, Fre91, GF67, Har74, MS89, VBNB17, WZC95, GR98].  
**Decompositions**  
 [BC69, CPSZ21, GLPR21, Yoe65, DL07, FFG02, GMS09, Kol04].  
**Decoupling** [MS18]. **Decremental** [HKN18]. **Dedicated** [Mull11].  
**Deduction** [AM90, AJM80, MW86]. **Deductive**  
 [BNS94, Coo64, QH68, Kif98]. **Deep** [DFN<sup>+</sup>24]. **Default**  
 [Got95b, TK91, FH01]. **Defects** [GE84]. **defender** [JS08]. **Definability**  
 [GR63a, Ros68, Gro12]. **Definable** [BLSS03, Ros67a]. **Defined**  
 [CF59, Opp80, Tor91]. **definedness** [Van07]. **Defining** [HHP93, VV12].  
**Definite** [Di 69b, PP65, RC69, dS58, AT11]. **Definition** [San88, GL70].  
**Definitions** [AM82, Kra62, MH82]. **deformations** [BLR10]. **degeneracy**  
 [AC05]. **Degenerate** [BGL<sup>+</sup>22]. **Degenerates** [GP18b]. **Degradable**  
 [LS87]. **Degree** [BSV20, Hoo66b, SL15, ACKM09, SSZ98]. **Degrees**  
 [Cas71, CS68, Fag83, Hom87]. **Delaunay** [BM11, Rub15]. **Delay**  
 [Haj83, OM78, OR90, Tob82, DGS01, GMPS00]. **delaying** [CW96]. **delays**  
 [LMNM03]. **Delegate** [KRR22]. **Delegating** [GKR15]. **Deleting** [LR81].  
**Deletion** [Che19, ES81, YSS78]. **Deletion-type** [Che19]. **Deletions** [HS21].  
**Demand** [Gav71, HY75, IK74, Mit72]. **Demand-Interrupting** [HY75].  
**Demise** [ZM22]. **Demodulation** [WRCS67]. **Demodulators** [Bla55].  
**Demonstration** [BC54]. **Denotation** [BG70]. **Denotational** [LP14].  
**Denotations** [Gab16]. **Dense**  
 [ANTSV02, CD87a, DKK24, GKS17, MSW82, SSV22]. **Density**  
 [BD87, Gau64, LO85]. **Dependencies** [BV84, BDFS84, CKV90, Fag82,  
 Hon82, MSY81, Men79, SU82, Sag80, SDPF81, SW82, SDPF87, Sci82, Via87].  
**Dependency** [ADS83, Cur62, Gal82, GZ82, GMV86, GJ82, Hul84].  
**Dependent** [Del70, GKPS06, MM86, OR90, Rid76, Tow80, AZ05, WSY<sup>+</sup>19].  
**depending** [CS99]. **Depth** [BN23, CCL23, GKKS14, HRST17, LMN93,  
 Nau83, RW92, Wil84, Hås21, SS13, SPK13]. **depth-** [SS13]. **Depth-First**  
 [Wil84]. **Dequantizing** [CGL<sup>+</sup>22]. **deques** [KT99]. **Derandomization**  
 [CRTY23, ACR98]. **Derivability** [Coo66]. **Derivation**  
 [Flo64, Hog81, MS74, Yel75]. **Derivations** [HZ92]. **Derivatives**  
 [Brz64, ST74, She14, Ste67]. **Descent** [FGHS23, Zol78]. **Describing** [Cas71].  
**Description** [GHKL21, Mel56, FMW10, MR10b]. **Descriptive**  
 [BR23, Flo61b]. **descriptor** [FPS98]. **descriptor-vector** [FPS98]. **Design**  
 [But78, Den65, DHL<sup>+</sup>20, DHKN21, EKLS20, Fra61, Gil63, GR74, GM61,

Huf57, IAWK83, IW71, KS78, LS11, LS88, MP72, Meg83, Orm61, OF61, Rou24, TS81, Vit87, vdSS89, GKPR07]. **Designations** [WL57]. **Designed** [Cof68]. **Designing** [BK95, Lei57, JSMM03, LR99]. **Desirability** [BFMY83]. **Desk** [Par55]. **Desk-Calculator** [Par55]. **Detect** [Leh74]. **Detecting** [CSSS20, CM93, Com68, FGR<sup>+</sup>17]. **Detection** [Chu81, Gor63, Gri73, HPZ24, Sar83, Wai67, Yak76, FG10]. **Detector** [CHT96]. **detectors** [CT96]. **Determinacy** [BGG17]. **Determinant** [HS75, TC21, Raz09]. **Determination** [Bro82, CF59, Dub66, Hei71, She57b]. **Determining** [AMS05, CH79, Mar71, Pra60, Was54]. **Deterministic** [BE11, Bar16, BB95, BSV20, CJLW22, Col71a, Elk20a, GHL<sup>+</sup>87, GS90, Hae15, HH74, KT19, NB96, NV95, SMK18, Ste03, Sud78, Ukk82, Upf92, Val75, DR00, HdLT01, OG96]. **Deterministically** [GW85]. **Developing** [BD77]. **Development** [Li59, LR77]. **Deviates** [Mul59]. **Device** [Bau58b, BCM<sup>+</sup>21, GS73, Men65, TWS80]. **Devices** [CCF88, CC76a, CC76b, Fra69, GS65, GM73, GM75, HS55, HY75, MS16a]. **DFA** [PW93]. **Diagonal** [Shr70, von62]. **Diagonalization** [GH59, PT57]. **Diagonally** [BS74]. **Diagram** [BGK<sup>+</sup>22, Lom73]. **Diagrams** [AEK<sup>+</sup>12, Koc69, Rey77, Lee80]. **Diameter** [CGS15, YZJ18]. **Dichotomy** [Zhu20, Bul06, DS12]. **Diclique** [Har74]. **Dictionary** [Fre83, Sch63]. **Difference** [Con57, DLN73, Ehr59, Esc60, Laa58a, Par61, SY80, Set82, Ste67, Wad54, Zaf69, WR03]. **Differences** [BH65, Cry70, Cry71, Fis56]. **Different** [BM83, BCMP75, Gin61b, Kam82, MT19]. **Differentiable** [DFN<sup>+</sup>24]. **Differential** [ABV60, BGP17, Bra67, BKT67, Bui79, But65, CBHH61, Cas75, Cas76, Cha62, CM60, CR56, Cra54, Cra57, Cry71, DG71, Fis56, Fro61, Gla65, Gra55b, Ham59e, HKM<sup>+</sup>22, HW67, IOT19, JM60, Kar68, Kro67, Kro73, Les58, Lin69, MR59, MR60, MR62, MP59, Mor62, Pic64a, PT20, Rah69, Rah70, Usm66, Wad54, Wil91, You56, Zaf70, ABF<sup>+</sup>02, Dar03]. **Differential-algebraic** [IOT19]. **Differentially** [CCMS22]. **Differentiation** [Blu66]. **Diffie** [DG21]. **Diffusion** [Cra55, Kob74a, Kob74b, Moc71, Sta56]. **Digit** [Fra76, Kan65, Mat82]. **Digital** [AT71, Alt62, ABV60, BC54, BW57a, Baz57, Blu59, BR54, CU59, CM57, Fra61, Gla57, HI59, HL66, Jef56, Lan59, Les58, MB56, Mas56, McL65, Mul59, Neg66, Neu54a, Neu54b, Neu54c, Neu54d, Neu55a, Neu55b, Neu55c, Neu55d, Par55, RP66, Ros70b, Ros73b, Rub55, SM64, Sch64, Sel72, SAKS64, SR71, SR60, Sti65, Swi57, Wad56, Wil62, Wun67, Ano56a, Ano56b, Ano56c, Ano56d, Gol57a, Gol57b, Gol57c, Gol57d]. **Digitization** [Mon70]. **Digitized** [Hue71, Mon69]. **Digits** [BFGL79, FG76]. **Digraph** [BG77, Hsu75, MT69]. **digraphs** [Tho04]. **Dijkstra** [Joh73]. **Dimension** [ADF<sup>+</sup>16, AM85, AM94, BEHW89, Cla95, KPS19, Meg84, MP71a, ZTX21, BC05]. **Dimensional** [BEF<sup>+</sup>21, Cal61, Com68, Fis65a, Mey84, Mey88, Ros83, YUKY17, BKL99, CGT10, GW21, Lee80]. **Dimensionality** [Ked79]. **Dimensions** [CD87b, Kac79, Mor59, RS94b, RKN75, AHPSV97, ABDCBH97, AMN<sup>+</sup>98, ES09, Kol04, KSS10]. **Diophantine** [GI82, Mey85]. **Direct** [CG67, EC68, Hoc65, HJ61, Jai15, Low68, Mau69, Sto64b, Toy87, Wee65,

Wee67, Wil61, Zol78, TKB95]. **Directed**  
 [Ber73, CF68, Gav83, KBI<sup>+</sup>17, KP80, LS68, OV23, Pot17, SD76, Wei72, AZ08, BK09, CLL<sup>+</sup>08, CK09, DGP07, KLSS05]. **Direction** [CD60, DG62].  
**Directional** [She14]. **Directories** [BDS87]. **Directory** [CCF88]. **Dirichlet**  
 [Laa58b, You55]. **Dis** [EKLS20]. **Disaggregation** [CS85]. **Disaggregations**  
 [Abi85]. **Discipline** [Gof71, MC74, TPH86, Noe79]. **Disciplines**  
 [KK74, KM72a]. **Discount** [HMZ13]. **Discovering** [DSS22]. **Discovery**  
 [EG82, GS10]. **Discrepancy** [Tez87, CC04]. **Discrete**  
 [Abd71, BFR<sup>+</sup>13, BMM18, Bro65, DS13, FM79, Fox70, Laa58b, Nic93, ÖWA91, Rot70, Sha66, Sur87, ÜD90, VV63, HN04]. **Discretization**  
 [BDSV24]. **Discrimination** [LBB67]. **discriminative** [BB10].  
**Diseconomies** [MS18]. **Disequations** [BB94]. **Disjoint**  
 [BG77, CL16, PS78, AZ06, HW04]. **disjunctive** [CJJK00]. **Disk** [ADW68, BBB<sup>+</sup>21, CCF84, CCF88, Fra69, GM73, GM75, Wil77, AGL00, Kor08].  
**disk-based** [Kor08]. **Disks** [NV95, One75]. **Dispersal** [Rab89]. **dispersers**  
 [BKS<sup>+</sup>10, SSZ98]. **Display** [CvH65]. **dissection** [AY13]. **Dissemination**  
 [Sal71a]. **Dissolution** [MR93]. **Distance** [BEG<sup>+</sup>21, CDG<sup>+</sup>20, CGL<sup>+</sup>23, CM74, GYY80, HPR15, Mon68, SD76, WW73, Yen72, BOG02, OR07, TZ05].  
**Distances** [CADK<sup>+</sup>24, Tho04]. **Distinct** [Rus82, dV71]. **distinctness**  
 [AS04]. **Distinguishes** [Gin58]. **Distortion** [FHS13, OR07]. **Distortions**  
 [Har57]. **Distributed**  
 [Abe80, AFL83, AS97, BYCHS17, BE11, BEPS16, BEG22, BZ14, CRR18, CH89, CPSZ21, DM87, DDS87, Elk20b, Elk20a, FHV92, FLP85, GMB85, HM90, HSS18, JP84, LPSP15, LT93, NT93a, PKR84, RY91, SNPT13, TT85, Tiw87, TS95, UW87, Asp98, CT96, CMYZ12, FKP13, FGY00, KP02, MRR03].  
**Distributing** [MS16a]. **Distribution**  
 [BAL<sup>+</sup>21, BBS90, BT69, Cho80, FG76, FW74, GM79, Gil63, Gus83, HB21, Kne93, McK87, PK87, Pri76, SM81, She57b, ST72, VH06, BGM<sup>+</sup>98].  
**Distribution-Free** [FW74, BAL<sup>+</sup>21, BGM<sup>+</sup>98]. **Distributions**  
 [BFR<sup>+</sup>13, BKK84, CMT70, GKpKL22, Kob74a, Kob74b, MY84, RT88, SB82, Sev74, Tob82, dL89, ACKM09, Ind06]. **Divergence** [AH92a]. **Diversity**  
 [RS94c]. **Diversity-Based** [RS94c]. **Divide** [DS13, ENRS00, Rou01].  
**Divide-and-conquer** [ENRS00, Rou01]. **Division** [GMPZ17, Kam87].  
**Divisions** [Ked79]. **Divisor** [Kam87, MST91]. **Divisors** [Bro71, Kal88]. **Do**  
 [Rei87]. **Document**  
 [BK77b, BB63, BB64, CJLW22, CM74, FKR15, Sal63, Sal73, San65, NV02].  
**Documentation** [Ano68]. **documents** [AW08]. **Dodgson** [HHR97]. **Does**  
 [LaP93]. **Domain** [Dem92, GLJT23, Laa58b, Rei80b, Rey77, Sti65, BDG<sup>+</sup>13].  
**Domain-Independent** [Dem92]. **Domain-theoretic** [GLJT23]. **Domains**  
 [LP14]. **Dominance** [Iba77]. **Dominant** [BS74]. **Dominantly** [Kon24].  
**Dominating** [SLM19, AFN04]. **Domination** [Sla76]. **Dominoes** [Har86].  
**Don't** [Chu61]. **Double** [Ber63, Mac57]. **Double-Dummy** [Ber63].  
**Doubling** [CAFS21, CGT10]. **Doubly** [Sta72]. **Down**  
 [CF68, Col87, SMK18, TRA71, UV88, War57]. **Down-Hill** [War57].

**Downhill** [Cal59]. **dozen** [Gra03]. **DPDAs** [Oya87]. **DPLL** [NOT06].  
**Draw** [Wei66]. **Driven** [Hof84]. **Driving** [Ram86]. **Drum**  
 [CC76a, CC76b, Cof69a, Cof69b, FB75, HK54, Knu61, Tre54]. **Drum-Like**  
 [CC76a, CC76b]. **DTDs** [BFG08, FL02]. **Dual**  
 [AK16, BBN12, Blu58, FK85, Her90, HS87, DPSV08, JV01, JMM<sup>+</sup>03].  
**duality** [LPW02]. **Due** [EV57, Erc60, Mar82, SC80]. **Dummy** [Ber63].  
**duration** [AHC19, HB02]. **duty** [LW08]. **Duval** [HN07]. **Dwork** [DNRS03].  
**Dynamic** [AAJS17, Adi71a, AKMS11, AT07, BCW85, BN13, Bar16, BHK59,  
 Bel60, Bel62, BN79, Bon70, Cha01, CH14, DFGN24, DHSS95, EGGI92a,  
 EGGI92b, FN93, FMS97, Glu63, GMM81, GR17, Hel89, KM20, Lam82,  
 MW78, MT93, ÓWA91, Pel87, Rob71, RT90, SAKS64, Via87, Vit87,  
 WL85, Yi12, YZJ18, vO93, BFU01, Cha10, DI04, DI05, EGIN97, GIS99,  
 HK99, HdLT01, Mye99]. **Dynamics** [AAGT15, FCMG22]. **DynFO**  
 [DKM<sup>+</sup>18]. **DYSEAC** [Lei54].

**E.** [SW01]. **Early** [DRS90]. **EASIAC** [Per56]. **Easy** [Hae16, LR19, SV88].  
**Eavesdropping** [FGY00]. **Economical** [McC76]. **Economics** [DFN<sup>+</sup>24].  
**economies** [EKLS20]. **Economization** [Ral63]. **Economy** [Log78]. **Eder**  
 [SW01]. **Edge** [BP23, CL16, CNP85, ES81, FHTZ22, HW04, KT19, OR90,  
 Pap76, Wag76, AZ06, HdLT01]. **Edge-Deletion** [ES81]. **Edge-Disjoint**  
 [CL16, HW04, AZ06]. **Edge-Faulty** [BP23]. **Edge-Length** [OR90].  
**Edge-Sparse** [Wag76]. **Edge-Weighted** [FHTZ22]. **Edges**  
 [Hue71, Hue73, Hue74, MS16b]. **Edit** [BEG<sup>+</sup>21, CDG<sup>+</sup>20, CJLW22, OR07].  
**Editing** [WC76]. **Editor**  
 [GG61, Goe61, Lei91, Liv60, Nag61, WSD59, Ano56e, Erc60, Hal97].  
**Editor-in-Chief** [Hal97]. **Editorial**  
 [Hal99a, Hal99b, Hal00, Rag03, Sal71a, Sal72, Via10a, Via13a]. **editors**  
 [Jou03]. **editors-in-chief** [Jou03]. **Edmonds** [Gab76, Zad72].  
**Edmonds-Karp** [Zad72]. **Effect** [Att57, EW75, Pri76, Smi79, Svo75, Yan79].  
**Effective** [Blu71, CGH83, Har86, YS76, YSS78]. **Effectiveness**  
 [YL77, ORSS12]. **Effects** [PM71, RKN75]. **Efficiency**  
 [AFL83, BN79, BBEG18, CN95, CB72, Dun74, EK72, EKLS20, GL85, HH57,  
 HC63, Joa59, Lar76, Mus78, Pag70, PRR74, PU89, Sha70a, Tar75, Ull72,  
 WRC65, Yer66, Zad72, Fre99]. **Efficient**  
 [ADF<sup>+</sup>16, ABNC<sup>+</sup>96, ADO91, ACJR21, BCP20, BRK74, BCS92, BBH<sup>+</sup>87,  
 BF01, BKK14, CH14, CG86, CPT94, CG70b, Deb92, ES76, Eli74, ERS24,  
 FK99, FHS13, FPS98, FLPS16, FLS18, Gab76, GGS89, GP83, GN08, HW90,  
 HSTV14, HT74, ILG87, JL23, Joh77, KU88, KOY09, Kea98, KMP<sup>+</sup>12, LW93,  
 PGE75, PS80, Rab89, Ric73b, Ric73a, Roc94, Sla64, Sto73, UV88, Upf84,  
 WH73, BGM99, CBDF<sup>+</sup>99, DHL<sup>+</sup>20, DW99, Hoc01, LOS02, NR04, SCD02].  
**Efficiently** [ABL17, Dea89, Got54]. **Effort** [GM79, She59b]. **EFX** [CGM24].  
**Egd** [GW90]. **Eigenvalue** [BJ66, BLR10, Joh61]. **Eigenvalues**  
 [Cor63, EV62a, EV62b, Kah95, La 64, von56]. **Eigenvectors**  
 [BS74, Cor63, CS84, EV62a, EV62b, La 64, von56]. **Electing** [FL87].

**Election** [CD21, GS21, KPP<sup>+</sup>15]. **elections** [CSL07, HHR97]. **Electrical** [WL57]. **Electron** [LWS55]. **Electronic** [Baz57, EV57, Fri56, Leb56, McG59, PPV60, Wad54, Wad56, Wis54]. **Electrostatic** [Pel98]. **element** [AS04, Bul06]. **Elementary** [Bre76, CLL<sup>+</sup>21, Wan74b, Wil59b]. **Elements** [Pul55, Ric73b, Ric73a, She65a, She65b, RS00]. **Eliminating** [Ram88]. **Elimination** [BK86, BIW63, FLSY74, Lov68, Lov69b, Lov69a, Mar76, Ple74, Ske79, BR96, Bas99]. **Elliott** [YL57]. **Elliptic** [Cry67, Cry71, DH59, JM60, LW63a, LW63b, GK99]. **Elusive** [SAG94]. **Embeddability** [FT22, KV15, dMRST20]. **Embedded** [CM87, CADMD21, SW82]. **Embedded-Complete** [CM87]. **Embedding** [CFG<sup>+</sup>17, DEL80, FL18, KSW09]. **Embeddings** [FHS13, HMR83, ARV09, CGT10, Ind06, OR07]. **Empirical** [GSK59, LBNS09, O'C65, PM71]. **Emulations** [KLM<sup>+</sup>97, BCH<sup>+</sup>96]. **Encoding** [Heh77, KR92, Ros79b, Sch63, ABF<sup>+</sup>02]. **Encryption** [BV18, DG21, GVW15, Unr15]. **End** [BGP84, CH14]. **End-Component** [CH14]. **End-to-End** [BGP84]. **Ended** [Bai66]. **Energy** [EKLS20, Kis91, BKP07]. **engine** [BYG08]. **Engineering** [Baz57, BFM<sup>+</sup>19, WJR57]. **English** [BF61, KS63, Koc69]. **English-Like** [Koc69]. **Enhanced** [GS21]. **Enough** [KPW18]. **ensures** [BN05]. **Entrance** [Bab75]. **Entries** [HS75, JSV04]. **entropies** [SU05]. **Entropy** [Gre73, VV17, CKOR14, JRS09]. **Entry** [Mac57, RS66, RS67]. **Enumerable** [Cul79, ERR81, ER80b]. **Enumerate** [TSOA80]. **Enumerating** [Kle60, SF80]. **Enumeration** [ACJR21, BB85, CPSZ21, Hay76, Mar76, SSV22]. **Enumerations** [You69]. **Environment** [AGOW66, ABND<sup>+</sup>90, CE72, HM90, LL73, SH22, DKP98, Kle99]. **Environments** [CHJS15, GR17, PM06]. **Epistemic** [EFW10]. **Epsilon** [Rub22]. **Epsilon-nets** [Rub22]. **EPTAS** [BBB<sup>+</sup>21]. **Equal** [Gli65]. **Equality** [CS71, DH86, ER80b, Gin67, RWM94, Rei80b, Set78, Sla72b, Wan93]. **Equality-Based** [DH86]. **Equality-Oriented** [Wan93]. **Equation** [BJ66, BH65, CM60, Con57, Cra54, Cra55, Cra57, Cry67, Dou59, Esc60, Fis58, Her74, Hoc65, Laa58a, MP59, Mor62, Par61, PT20, Sig67, Sim65, Sim67, Sta56, SW68, You56, Hal07]. **Equational** [BD94, BT95, GNRS92, PS81b, Ver95]. **Equations** [Abd71, ABV60, And65b, Boj84, BGP17, Bra67, BKT67, Bui79, BB94, But65, CD87a, CBHH61, Cas75, Cas76, CG67, Cha62, CR56, Cry71, DLN73, DG71, Fis56, FK15, Fra58b, FR63, Fri73, Fro61, Gat83, Gau59, Gau60, Gla65, GLH57, Gra55b, GI82, GLW70, Ham59e, Has70, Hen70, HW67, IOT19, Jez16, JM60, Kac79, KK70, Kar68, Kro67, Kro73, Lan59, Leh61, Lin69, LKK83, McC73, Mey85, MR59, MR60, MR62, Moo67, MO68, Mou65a, Osb61, Phi62, Pic64a, Rah69, Rah70, RMK79, Ros67b, SK77, Sto73, Tho57, TW79, Two63, Usm66, Was81, Zaf70, Zel68, Zoh74, EY09, KMP00, Pla04].

**Equidistributed** [Hab70]. **Equilibration** [Bun71]. **Equilibria** [Bab16, IKM17, JWW<sup>+</sup>23, KL95, CDT09, PR08]. **Equilibrium** [FCMG22, DPSV08, VY11, Kob74a]. **Equipment** [Jac54, Wis54]. **Equiprobable** [PGE75]. **Equivalence** [AV88, BBK93, Bar65, BHR84a, CH84, DLT94, ER80a, GW90, Gri68, GI81, HR77, IM83, IL83, Klu82, Lie82, Mar71, Oya87, RV80, SDPF81, SDPF87, SMK18, Tho07, Tsi70, Ukk82, Lib01, MS04, PS00]. **Equivalences** [SY80, WW18, CNS07]. **Equivalent** [ABL<sup>+</sup>22, Hsu75, MT69, You77]. **ERA** [Bau56]. **ERA-1103** [Bau56]. **Ergodic** [OD67]. **ERMETH** [Rut55]. **Errata** [Bea73a, Bea73b, Bui77, CC76a, Cof69b, GM75, GB69b, GB70, KSS77, Lov69b, Set75]. **Erratum** [AACHE18, HR63a, Hue74, LW63a, SW01, ZY03]. **Error** [And65a, Att57, BR71, BCLM56, Car58, Cas76, Cau58, CG67, CC67, Chu81, CADK<sup>+</sup>24, CKL<sup>+</sup>23, Dav90, Dou59, DW64, GR60, Hou58b, KL70, Laa58b, Sar83, Smi70, Ste83, Tsa74, Van85, Wee60, Wil61, Win64, Zaf70, Cha00a, CS99, MR10a, Pel98]. **Errors** [CM96, CJLW22, EV57, Erc60, Gra55b, KL73, LPR13, MB56, BKL99, Reg09]. **Essays** [Bur70]. **Establishing** [AB70, Ked79]. **Estimate** [BR71, Rob71]. **Estimates** [BFGL79, Cas76, FG76, Har66, Zaf70, CS99]. **Estimating** [FM79, GFL87, SGP11, VV17, AT11]. **Estimation** [Gau64, Igl76, Mos58, SW68, DLT07]. **Estimators** [VV17]. **Euclid** [Bro71, BT71]. **Euclidean** [Aro98, CRS01, ES15, HPR15, Mon68, Wan23, YUKY17]. **Evaluating** [Ata94, CS83, Wag97, CL11]. **Evaluation** [Ash64, BGKM23, BGG<sup>+</sup>24, BN79, Boo65, Bre74, Bre76, Fro61, HK77, Isr57, Joh61, Kro64, Kun76, MB56, ME67, MP76, NT93b, Rei86, Sag91, SL68, ST74, Tit55, Tra69, Was81, Win75, dWF58, BP11, CW96, FFG02, GK96, GKPS05, KZ98]. **Evaluator** [Mie57]. **Even** [BBE<sup>+</sup>21, CFGS22, JM77, RMK79]. **Event** [FM79, Nic93, ÖWA91, Sur87]. **Events** [BZ14, Brz67, BC69, CEW58, Mey69, Muk68, PP65, Sal66]. **Every** [Pet15]. **Everywhere** [GB74]. **Evidence** [PM71]. **evolution** [ALS09, FK99]. **Evolvability** [Val09]. **Evolving** [AGPT16]. **Exact** [CGL<sup>+</sup>23, CG86, Elk20b, FLPS16, FGLS19, HHR97, HS75, HS76, JS82, KS75, McC73, SS24, Van78, FGK09]. **Examination** [Mou65b]. **Example** [Bau85, Dal73, Dil89, McK78]. **Examples** [CS88a, GJ78, PV88, Sum77, Urq87]. **excellence** [Rag03]. **Exchange** [ADLM14, CJLW22, DR85, HI59, AL08, APR13, FKK11, GN08, KOY09]. **Excluded** [FLS18, Gro12]. **Exclusion** [BJL<sup>+</sup>82, Lam86a, Lam86b, Sta82]. **Exclusive** [KS83]. **Exclusiveness** [Svo75]. **Execution** [AC81, BL90, Leu93, Rem81, Str83]. **Execution/Sleep** [Leu93]. **Exercising** [Ric73b, Ric73a]. **Exhibit** [Gui78]. **Existence** [BD87, Bor72b, Bor72a, KL95, Wan74b, CKL<sup>+</sup>07, PKT90]. **Existential** [EGG00, GKS04, GHKL21, Ven87]. **Exists** [CGM24]. **Expander** [ARV09, CPSZ21, Gab06]. **expanders** [GUV09]. **Expanding** [MS16a]. **Expansion** [AM82, HS56, Kah95, WH73, BDHS12]. **Expansions**

[KT90, MM84, McK87, MM86]. **expectation** [HP07]. **Expected** [Bra87, BDF81, CC76a, CC76b, CR95, Gon81, KKMO18, KS16, MMR15, CFM10, GMPS00]. **Experience** [SK73]. **Experiment** [Gin58, Mar61]. **Experimental** [MF63, PM71]. **Experiments** [AF58, BF67, BB64, Coh55, Hib61, KSU<sup>+</sup>57, Oli67, PT57, Rab66, Sim63, SB68, SD69, You56]. **expert** [CBFH<sup>+</sup>97, PM06]. **Experts** [KSU19]. **explanations** [EM07]. **Explicit** [Cra55, FHS13, SSZ98, CHL96]. **Exploiting** [CD21]. **Exploration** [DHK19]. **Exponent** [AB17]. **Exponential** [BFGY19, Blu59, BKK84, BDF81, BCL19, CRTY23, COW23, Cho80, Dil89, FMP<sup>+</sup>15, GKR16, GGMM88, Jaz81, KW66, LNT97, Luk57, Mac55, RS94b, Rot17, SD83, Van78, AT07, OPSPW19, PPSZ05]. **Exponential-time** [CRTY23, PPSZ05]. **Exponentially** [BHH23, DP22]. **Exponentiating** [FT88]. **Exposing** [RW88]. **expressibility** [BDG<sup>+</sup>13, KMP00]. **Expression** [AJ76, BS72, Mye92, GK96]. **Expressions** [AJU77, AGG62, Bea72, Bea73a, Bea73b, Bre74, Bre70, Brz64, CS83, FU82, Gin67, Hen79, Klu83, Kun76, Mar71, MP76, OF61, PS80, RR64, SY80, SU70, Set78, Wag97, Win75, WH73, ACM02, BCG07, BYG96]. **Expressive** [CKP17, KKG<sup>+</sup>22, BDLW98, GK04, tCL09]. **Expressiveness** [FLO83, NV02, CSV09]. **Extended** [CH91b, Cur63a, HN07]. **Extendible** [Ros74, Ros75, RS77]. **extensible** [SS06a]. **Extension** [Aho68, And66, Kei56, LW75, MC87, Rot17, Shr70]. **extensions** [HMSS01]. **Extensive** [FCMG22]. **Extensive-form** [FCMG22]. **extent** [AHPV04]. **External** [Goe61, GL88a, LRY80, RA76, FG99, GHS09]. **Extra** [Hor78]. **Extracting** [Edm69]. **Extraction** [FKRV15, CM04, GK04]. **Extractors** [Tre01, BKS<sup>+</sup>10, GUV09, SU05]. **Extrapolation** [TM66]. **Extrema** [DS91]. **Extremal** [BLT93]. **Extremely** [SDS<sup>+</sup>18]. **exudation** [CDE<sup>+</sup>00].

**F** [Zoh69, LTT22]. **Face** [FLMS93]. **Facility** [ADW68, CPT94, GSV84, JV01, JMM<sup>+</sup>03]. **Fact** [Coo64]. **Factor** [CDG<sup>+</sup>20, CF20, CADK<sup>+</sup>24, Flo64, HMZ13, MS21, Sti61, JMM<sup>+</sup>03, STV20]. **factor-revealing** [JMM<sup>+</sup>03]. **Factored** [HHHN14]. **Factorial** [Oli67]. **Factories** [DHKN21]. **Factoring** [DSS22]. **Factorization** [BSV20, Coh55, CEG86, CR86b, CD94, Joh93, Mus75, Pag76]. **Fails** [CO17, KMR95]. **Failure** [CHT96, CMS89, HL87, CT96, FG10]. **Failures** [LF88, BN01, VJ00]. **Fair** [GM92, KPW18]. **Fairest** [GMPZ17]. **Fairness** [DHK<sup>+</sup>17, GHKL11, Har86, VV12]. **False** [CMS20]. **Families** [FLPS16, GR62, GZ82, Hul84, MSW82]. **Family** [GJ82, HZ92, Ral59]. **Fan** [HKP84]. **Fan-out** [HKP84]. **Fanout** [Ben80, But78, Hay75, Hay76]. **Fanout-Free** [Ben80, But78, Hay76]. **Fast** [AM07, ALS94, BYG96, BGKM23, BGG<sup>+</sup>24, BKN14, Bre76, BK78, BT79, CKL13, CKN18, DJSW19, Fei84, FGYZ21, FKV04, GM79, GS21, GW76, Hae15, HW90, Hoc65, IK75, Kam87, KL70, KW85, KT78, LH90, Lee02, Mey88, Mor73, Mul91, NO80, Pap79a, Pea68, Raz19, SD76, Sch80, Tar81a, Tro84, XB06, BDHS12, Mye99]. **Faster** [AMOT90, AC24, BHH23, Col87, DP22, DGM94, GT91, HVL17,



KS20, NSSV24, OV20]. **fat** [ES09]. **Fault** [CYZG14, DHSS95, DFSL14, DI87, JCT98, LS88, Rab89, BN01, VJ00]. **fault-tolerance** [BN01]. **Fault-Tolerant** [DHSS95, DI87, LS88, DFSL14, JCT98]. **Faults** [DLP<sup>+</sup>86, LMS85, PSL80, DW04]. **Faulty** [Bar16, BP23, FLP85, AGMT95]. **Fd** [GW90]. **Feasible** [TC21, Wal61]. **Feature** [MF63]. **Features** [Swi57]. **Fee** [Rou24]. **Feedback** [AF77, CY82, CK68, CH86, CH88, Del70, FACP81, HM72, JWW<sup>+</sup>23, LP73, MC74, Mow67, Sim84, SAKS64, WLS85, YLC76, CLL<sup>+</sup>08]. **Ferroelectric** [Pul55]. **ferromagnetic** [GJ12]. **FERUT** [CG57, HW55]. **few** [CSL07, GHS09]. **Fibonacci** [FT87]. **Field** [Abe68, WJR57]. **Fields** [BGG<sup>+</sup>24, CK95a, FT88, HVL17, HvdH22, Ja'80, KB89, AY13, Bas99, Hoc01, KT02, Pel98]. **FIFO** [MS92]. **Fifth** [Gru70, MR62]. **Fifth-Order** [MR62]. **File** [Blu58, Gau61a, GS69, Low68, TWS80, Win65b]. **Files** [BBH<sup>+</sup>87, Eli74, GS69, Gli65, HY77, MY79, YL77]. **Fill** [CEG86]. **Filon** [Fli60]. **Filtering** [And65a]. **Filters** [Blu59, Gau64, HL66, Orm61, Sha66, Wad56]. **Filtrations** [BDK24]. **FINAC** [EV57]. **Find** [Al16, KKT95, Gab06]. **Finder** [de 86]. **Finding** [BRK74, CFM10, CT06, Fra58a, FGM88, GNP<sup>+</sup>93, GT89, Hsu75, IK74, KLP75, La 64, LP79, Man75, MM75, MT69, PKR84, Pag74, PS78, RS94b, RS63, RS99, Sla64, Sla72a, Val15, Wei72, WW73, Yao81a, Yen72, CD08, FKV04, MP91]. **Fine** [DKK24, BGM99, MT88]. **Fine-grained** [DKK24, BGM99]. **fingerprint** [Tar08]. **Finish** [GS76]. **Finite** [AAI69, ADO91, Arb61, Bav68, BGG<sup>+</sup>24, BH65, BZ83, Cha66a, Cha69a, CGSV24, Con57, Cry70, Cry71, CF59, DLN73, Das77, DA68, Dun74, DS92a, DS92b, FT88, Fri62, Gib69, HVL17, HvdH22, Ja'80, JM78, Kam82, KB89, Kar81, KV94a, Kel61, Kne93, KS66, Kon24, KR76, Liu69, MM81, MS21, MT88, Rit63, RS94c, Roc94, SB82, Sav72, TZ16, Wei72, Win82, Zaf69, ANTSV02, CSV09, MGLA00, OG96, DH94]. **finite-horizon** [MGLA00]. **Finite-Source** [Kam82]. **Finite-State** [BZ83, Liu69, OG96]. **Finite-Valued** [TZ16]. **Finitely** [Hul84]. **finiteness** [Kif98]. **First** [AM90, BKMZ15, CBHH61, Che17, DP85, DH59, Gab16, GKS17, HN84, Her74, JL23, LW63a, LW63b, Man69, MG93, Phi62, Pic64b, Pic64a, PZ19, Rei80b, SK77, SW68, Two63, Wil84, van72, BG98, BLSS03, BKL<sup>+</sup>06, DKT13, FG01]. **First-Order** [AM90, BKMZ15, Che17, Gab16, GKS17, HN84, Man69, PZ19, Rei80b, BG98, BLSS03, BKL<sup>+</sup>06, DKT13, FG01]. **Fishspear** [FP94]. **Fitting** [Aki70, AF58, CADK<sup>+</sup>24, Mae60, Mae63, SS58, VV63, JMM<sup>+</sup>03]. **Five** [But67]. **Fixed** [AM94, ER80b, EV62a, EV62b, Gro12, KLM<sup>+</sup>97, LM86, Meg84, OD67, RW63, Wol65, AMN<sup>+</sup>98, CLL<sup>+</sup>08, CD08, DJKK08]. **Fixed-Connection** [KLM<sup>+</sup>97]. **fixed-parameter** [CLL<sup>+</sup>08]. **Fixed-Plus-Variable** [EV62a, EV62b]. **Fixed-Point** [OD67, Gro12]. **fixed-value** [DJKK08]. **Fixpoint** [AVV97, AM82, SN85]. **Fliess** [Kor89]. **Flipping** [BHT18, Asp98]. **Floating** [AM59, CO84, JMMW79, KL73, Mol67, Tsa74, Wad60]. **Floating-Point**

[JMMW79, KL73, Tsa74, Wad60]. **Flocking** [Cha14]. **Flow** [BDF81, CT81, EK72, Ehr58, Fai67, GT88a, GT88b, GW76, HU74, Ita78, KU76, KR77, KS75, KL95, Kou77, Kri64, Laz84, MS11, Mil79, OV20, Rey77, R6c84, Ros79a, Sco58, SM90, SN85, Str83, BL04a, BK09, CK09, GR98, KP03, LR99]. **flow-cut** [CK09]. **Flow-Shop** [CT81, KS75]. **Flowchart** [Hun82a]. **Flowcharts** [BB85, Yel75]. **Flowgraphs** [Bak77, Mil79]. **Flows** [Joh87, Zad72, ARV09, BLR10, CKL<sup>+</sup>07, KRV09, MMHW97]. **Flowshop** [PK80]. **Floyd** [BÉ91]. **Floyd-Hoare** [BÉ91]. **Fluid** [Har57]. **Flutter** [Fra58b]. **FO** [BKTW22, SSV22]. **Folk** [Haj83]. **Fooling** [OST22]. **fools** [Bra10]. **Footnote** [Gol60]. **Forbidden** [Lev13]. **Forcing** [Gai20, JS08]. **Ford** [FL18, Man79a]. **Ford-Johnson** [Man79a]. **Forest** [BHM11]. **Forests** [SV19]. **Foreword** [Ano15, KV04, Tar16a, Tar16b, Tar16c, Tar16d, Tar17a, Tar17b, Tar17f, Tar17c, Tar17d, Tar17g, Tar17h, Tar17e, Tar18a, Tar18b, Tar18c, Tar18d, Tar19a, Tar19b, Tar20c, Tar20a, Tar20b, Tar21a, Tar21e, Tar21b, Tar21c, Tar21f, Tar21d, Tar22a, Tar22b, Via11b, Via11d, Via12c, Via12d, Via13b, Via13d, Via14a, Via14c, Via14d, Via15b, Via15c, Via15a, WK15, Via10b, Via11c, Via12e, Via12a, Via12b, Via13c, Via13f, Via13e, Via14b]. **Forget** [NR94]. **Forgetting** [FKS95]. **Fork** [BMT89, DLT94, ZTX21]. **Fork-Join** [BMT89, DLT94]. **Form** [BKK84, CHT77, CM83, CM96, Cur59a, Cur59b, DHM65, FJ60, GR74, Gre65, MSW83, McK87, Min70, Pra60, SB82, Wat73, dL89, BP03b, Dar01, FCMG22, Noe79]. **Formal** [Apt83, BOG02, Blu66, BK78, Cha74, CS68, Cud70, FKR15, HR77, LW57, McL84, MNO88, PD98, QH68, Ros69, Yu75, Zei72, HW08]. **Formalism** [SFR68]. **Formalisms** [Fis65b]. **Formalization** [Lom73, MP70a]. **Formally** [ABK16, Cha75]. **Format** [AB70, HY84, Lov69a, LR81, Rei71]. **Formation** [YUKY17]. **Formed** [Bur76]. **Forms** [Cav70, GL76, Ja'80, Ros67b, Wil59b, AL05]. **Formula** [CL62]. **Formulae** [KV94a]. **Formulas** [AHK93, BE97, BEGY22, CO17, Cra55, Cra57, Dem92, DH59, Di 69b, Di 73, HP66, KLV94, LW63b, Ral59, Raz13, Sho77, Sur83, Tra69, ANP07, Ats04, Raz09, LW63a]. **Formulation** [MTZ60]. **Formulations** [Gav83]. **FORTTRAN** [Wei66, Fer60, GHG60]. **Fortran-Compiled** [GHG60]. **found** [Sho03]. **Foundation** [AAJS17, HW08, JSMM03]. **Foundations** [CCMS22, CMT20, CM78, KLW95, MS96]. **Founded** [vRS91]. **Four** [But67, GKKS14, Mye92, Kol04]. **Fourier** [BT96, CM67, Cru76, DA68, Hoc65, KL70, LMN93, Mor73, Pap79a, Pea68, Pea69b, Roc94]. **Fourth** [Con57, Cra54, Cra57, Ano79]. **FP** [HWW90]. **FPRAS** [ACJR21]. **Fractional** [GLPR21]. **Fractions** [Mac55, MB56, Mae60, Spi61]. **Fragment** [SDPF81, SDPF87, Ven87, MS04, Ott12]. **fragments** [tCL09]. **Frame** [KLW95]. **Frame-Based** [KLW95]. **Framework** [BEJWY22, BG15, BS89, CGL<sup>+</sup>22, HHP93, HS19]. **Frameworks** [HSTV14]. **Fraud** [HPZ24]. **Fredholm** [Fis58, Has70, Her74, KK70, SK77, SW68, Two63]. **Free** [Aho68, ACHS16, ALS94, BBK93, Ben80, Bli72, But78, CRGM78, Cry70, DG84, Ell72, FOS14,

FW74, Fre82b, GS63, GU66a, GU66b, GL76, GR74, Gor63, GH72, Gre65, Gre66, Gre69, Gri68, Har67, Hay76, HU66, Huf57, IAWK83, KT69, Kor89, LR78, LW93, LTV96, Mau69, MSW83, Mey69, MMR15, Nau89, Par66, Pav72, Ros68, Ros70a, Ros67b, Sta82, Sud75, Sud78, AGHK09, BAL<sup>+</sup>21, BGM<sup>+</sup>98, DFHT05, DR00, IKL<sup>+</sup>19, Jay97, JCT98, JSMM03, Lee02, SS06a]. **Freedom** [Kam80]. **Freezing** [Mol18]. **Frege** [BBCP20, Hås21]. **Frequency** [FJ60]. **Frequent** [KMP<sup>+</sup>12]. **Freshman** [Sla63]. **Frobenius** [BGK<sup>+</sup>22, MS21]. **Frontier** [Che17, KZTH05, GKS04]. **Full** [AF77, Bra77, EPT18, Sci82]. **Full-Text** [AF77]. **Fully** [DST94, GNP20, GIS99, HKT<sup>+</sup>20, DI05, HK99, HdLT01]. **fully-dynamic** [HdLT01]. **Function** [Ash64, BE62, CF59, FJ60, Gia64, GF60, Gre73, HP72a, HA56, LP15, Luk57, McK78, Mie57, MP65, MP66a, Nat67, Nau83, Nau89, Net59, Phu76, Pra60, She57a, She57b, Sho79, Weg69, dV71, FCB08, GJ12]. **Function-Free** [Nau89]. **Functional** [AMP73, ADS83, BDFS84, BV18, Cur59a, Cur59b, Fri63b, GNP20, GZ82, Hon82, Lom61, MSY81, MP70a, Via87, KT99, RV07]. **Functional-Dependency** [GZ82]. **Functions** [AM85, Alt88, ABB<sup>+</sup>17, Bas58, Bav68, BAG14, Ben80, Ber69, BHT18, Blu67, Bol79, BM75, Bre76, Bsh93, BT96, CK15, CLW95, Chu65, CC67, CaKMTM19, CvH65, CU59, Dub66, DNRS03, EGGI92a, EGGI92b, Fai85, Fra58a, Fra65, GKR16, GB74, GGM86, GK58, Har63a, Hay75, Hay76, HL87, Hir58, Jia23, Klo61, Klu82, KSG68, KB81, KT78, Liu69, Mac55, Mar58, McK87, MV15, Pet62, PT57, Ral63, Ran58, RS83, Rei87, Rob74, Rus82, San96, She57a, SS63, Sti81, Sto64b, Svo75, TM66, TI70, Ull72, Wan74b, Wee66, Weg88, Zha21, dWF58, ADM<sup>+</sup>99, BBB<sup>+</sup>00, BDG<sup>+</sup>13, CL11, IFF01, NR04, YCW99, ZW03]. **Fundamental** [Kel73a]. **Further** [Har63b, Pag74]. **Fuzzy** [AJM80, Lee72].

**Gage** [Per54]. **Gallai** [SS13]. **Gallery** [AAM22]. **Game** [AIK84, Ber63, Con91, Lai13, LT82, MT21, Nau83, Rei80a, San69, SD69, Tar83, KZ98, Vaz12]. **Games** [ABS15, AHC19, BGG17, CH14, CV17, Doy23, EY15, HMZ13, HM13, KV15, ARV08, FGY00, GS07, PR08]. **Gamma** [GF60]. **Gap** [Con72, KV15, Din07]. **Gaps** [BSCI<sup>+</sup>23, Bor72b, Bor72a, CK09]. **Gates** [Ben80, But78, Pip89, Ric73b]. **Gaussian** [ABDH<sup>+</sup>20, Mar76, Ske79]. **Gaussians** [LM23]. **Gaver** [BCPW74]. **Gene** [ZZ17, ALS09]. **General** [BJ66, BW57a, BGN<sup>+</sup>22, BO56, Bre74, BM62, Cud70, DPW18a, DST92a, DST92b, DG57, GT91, GP83, Kar68, Lie59, LM23, Por66, RC69, SB82, Sur87, Tit55, Wil77, vRS91, ACR98, BFU01, BGM<sup>+</sup>98, CW96, DR03, MT10, CI74a]. **General-Purpose** [BW57a, GP83]. **Generalization** [BM82, BDSV24, But67, GR60, HR78, Kra62, McG59, RT69]. **generalizations** [MMW07, Niv10]. **Generalized** [AK70, AS54, Bab75, Bai66, BIW63, BD87, BB61, CH86, CH88, CL62, Cur61, Cur63a, DLN73, DP85, Dye68, EKLS20, Erd66, GMS09, GLPR21, GS64, GJ82, Gri68, HZ80, LP73, NS82, Oli67, OV20, Pic64b, Pyl64, RP89, Yeh68, Yoe65, MSVV07, Noe79, SS06c, ZW03]. **Generals** [Bra87, LSP82, Lam83].

**Generated** [BR71, Hou58b]. **Generating** [BBK93, CLW95, Ehr73, HHHN14, Hob93, LY61, LR77, Mow67, Mul59, MC72, Zer85, BP03a]. **Generation** [AJ76, AJU77, ACJR21, AM78b, BL75, BS76, Cha72, CU59, Cov60, Den61, Fis65a, Gib69, GLW70, MB56, Mos54, Nat67, Nev70, PGE75, Pro80, RV78, SU70, Spr92, Van67, Win82, YCW99, BF01, DFSL14, Fus90]. **Generative** [Gor63, GKpKL22]. **Generator** [GSK59, Gre61, Kro64, Rot60, Wes67, SU05]. **Generators** [ADH63, Boy89, CH86, CH88, CM67, Ell72, Gil63, HD64, MM65, RT69, RW88, Smi71a, TRA71, Wes67, Ind06, Tre01]. **Genus** [FGM88, HI92, DFHT05]. **Geometric** [ABC17, DL19, DS91, Hod70, RA20, Shi10, Aro98, ARV09, BFJ<sup>+</sup>03, BGM<sup>+</sup>98, CS11, GX22, Mul11, OR02, RV07]. **Gerschgorin** [Smi70]. **Getting** [Lam03]. **GFSR** [Tez87]. **Given** [BM92, Fit60, Kal88, RG67]. **Givens** [Cau58, CD94, Joh61]. **Global** [BNR13, BN13, GW76, KU76, Kou77, Wil78, AAPS96, DR00, vD95, vD97]. **Globally** [Was80]. **go** [Ram88, LS80]. **Goal** [Nev70, GJS12]. **goal-oriented** [GJS12]. **Goals** [LR81, Gra03]. **Goes** [HZ92]. **Going** [PZ19]. **Golden** [Got03]. **Good** [Cla79, Raz19, Tar75, KVV04]. **Gossip** [Hae15, Hae16, GGGK13, KKD04]. **GPS** [Ern69]. **Gradient** [FGHS23, KH64, Pyl64]. **Gradients** [JNG<sup>+</sup>21]. **Gradual** [LTT22]. **Graeffe** [Bar60, Bau58a, Gra63, Wee60]. **grain** [Koc23]. **Grained** [CD94, BGM99, DKK24]. **Grammar** [CR86a, GG74, GL76, HS78a, HS78b, Hun82b, Lee02]. **Grammars** [ABL80, Aho68, Bea82, CF20, CS68, Cud70, Dil89, EF89, GH72, Gre65, Hib74, Hun84, Jaz81, KT69, MSW83, MP72, McN67, Mic76, MLS76, Pav72, Ros67b, Ros69, San72, Boy05, EY09, NV02, RS99]. **Grammatical** [HS71, KS63, MSW82]. **grand** [Fei03, Hoa03]. **Graph** [AV20, AGPT16, ACPS93, AK84, AM70, ADS83, BBE70, BDHS12, BLR14, BE97, Blu94, Che17, CDMP92, CG70b, CFG<sup>+</sup>17, DM87, DHK19, Fre91, FGM88, GGS89, GT91, GJ76a, GMM81, GS93, HMR83, Hsu75, Ja'84, JRS<sup>+</sup>14, KRV09, KV94b, KNY19, LaP93, Leh74, LW93, LB79, MB85, Mar76, ME67, MB83, MHG<sup>+</sup>88, Mol18, MT69, Pav72, PS78, Pfa72, Sha70b, Sup83, TSOA80, Wan74a, Wei72, Wig83, ARV09, BK09, CFM10, EGIN97, FGY00, HMR<sup>+</sup>10, HK99, KMS98, Kor08, SGP11, SW01]. **Graph-Like** [Che17]. **Graph-Matching** [GT91]. **Graph-Representable** [Sha70b]. **Graph-Theoretic** [GS93, FGY00]. **Graphical** [DG71, FN93, Moi19]. **Graphics** [CLRS86]. **Graphs** [ADK17, APY91, Bak94, BHM11, BGL<sup>+</sup>22, Ber73, BJM79, BP15, BP23, BBB<sup>+</sup>21, BGdM<sup>+</sup>24, CGL<sup>+</sup>23, CF20, CADMD21, CM93, CDRS93, CNP85, DK65, DJM<sup>+</sup>20, DEG<sup>+</sup>21, EBA72, EPL72, FOS14, GSH89, Gab76, GHL<sup>+</sup>87, Gib69, GKS17, GSV84, HI92, HU74, HKN18, Hsu87, Hsu88, IRT78, JMMW79, Kah95, KT17, Ker71, KPS19, Kow75, LMV16, MTTV97, MR87, Pfa75, PV76, Ram66, Ros72, SD76, SSV22, SL71, Sla76, Str83, TNS82, Wag76, WLS85, Wel66, ACKM09, ATSWZ00, BKS<sup>+</sup>10, CGP02, DFHT05, DKT13, DGP07, Gab06, GKS04, Gro12, HW04, KK13, SPK13]. **great** [Bro03]. **Greatest** [Bro71, Kal88, MST91]. **Greed** [NV95]. **Greedy**

[BW94, CK76, Fai85, JMM<sup>+</sup>03, KR92, TWZ23, AAF<sup>+</sup>01, HRM02]. **Grid** [CC16, FLS18]. **Grid-Minor** [CC16]. **Grids** [Häs21, FV02]. **Gröbner** [Baa93]. **Ground** [GNP<sup>+</sup>93]. **Group** [Fle65, Glu63, Spi69, Tra66, Wee62, Wee65, Wee67]. **Group-Testing** [Glu63]. **Group-Type** [Tra66]. **Groups** [Bar65, Fle62, Lar76, Roc94, DG98, Ott12]. **Grow** [BC93]. **Growth** [Gof71, Ked79, Lam82]. **Guarantee** [Wig83]. **Guaranteed** [KS75]. **Guaranteeing** [KPW18]. **Guarantees** [BDSV24]. **Guarded** [BTS15, GHKL21, Ott12]. **Guided** [CO17, CGJ<sup>+</sup>03].

**half** [Bro03]. **half-century-old** [Bro03]. **Halfspaces** [DDFS14, Vem10]. **Halting** [AF67, BM84, CF12, Ell72, Ull69]. **Hamilton** [EHR84, Rub74]. **Hamiltonian** [GHS75]. **Hamiltonicity** [CKN18]. **Handling** [BO56, GM70, GPV89, Lom61, Wal61]. **Happened** [BZ14]. **Happened-before** [BZ14]. **Hard** [AM20, ABD<sup>+</sup>21, BHR84a, CS88a, CADMD21, ESY85, FPPR22, GSV84, JM77, LS80, LL73, Mey88, Urq87, CT06, CGH<sup>+</sup>05, CSL07, MR08, dMRST20, HL13]. **Hard-Core** [ESY85]. **Hard-Real-Time** [LL73]. **Harder** [HS90]. **Hardness** [CHO<sup>+</sup>22, DMOZ22, Kho05, LY94, MS11, AZ06, AZ08, ALM<sup>+</sup>98, CN06, CK09, FGL<sup>+</sup>96, GMS09, LBNS09]. **Hardware** [Bry91, BRSU97]. **harmonic** [BG00]. **Hash** [BCFC<sup>+</sup>23, Gon81, Mar71, Riv78, ADM<sup>+</sup>99, SS06a]. **Hash-Table** [BCFC<sup>+</sup>23]. **Hashing** [BCFC<sup>+</sup>23, Bol79, FNSS92, GL88a, Gui78, KU88, Lar83, LRY80, PT12, RS77, Ull72, Vit83, Yao85]. **haven't** [Sho03]. **Having** [FZ77, HC72, Klu82]. **Hazard** [Huf57, IKL<sup>+</sup>19]. **Hazard-Free** [Huf57, IKL<sup>+</sup>19]. **Hazards** [YR64]. **Head** [CCF84, GM73, GM75, One75]. **Headquarters** [Man03]. **Heads** [CCF84, JSV97, YR78]. **heap** [Cha00a]. **Heaps** [FT87, Fre99]. **Heat** [Dou59, Ehr58, Sig67]. **Heavy** [Gav71, Mit72, ZTX21]. **Height** [Dev86, Drm03, Ree03]. **Hellman** [DG21]. **Help** [EC64, LaP93, Rei87, BRSU97]. **helps** [Vöc03]. **Henschen** [Bri90]. **Henschen-Naqvi** [Bri90]. **Herbrand** [Lov72]. **Hermite** [GL64]. **Hermitian** [dS58]. **Heuristic** [BM85, GK88, IK77, MB85, Sim63, Sla63, SB68, dCS77, de 83, ZS99]. **Heuristics** [BM83, KR92, MP10]. **Hidden** [FSV06]. **Hierarchical** [CaKMTM19, Len89, Mit74, SK80]. **Hierarchies** [BY73, Dea89, Di 69a, ES86, LED76, MSW82, PZ19, RC70, TS81, BGJ10, Jay97]. **Hierarchy** [AH92b, BBS86, DV14, Gre69, HRST17, Ko90]. **High** [AC24, BC54, Bau58b, Den58, Fra61, Har86, KSY14, KMRZS17, Kro66, Leb56, MM75, Ral59, WYCF14, Yer66, AZ05, LW08, PSSZ13]. **High-accuracy** [AC24]. **high-level** [LW08]. **High-Rate** [KMRZS17, KSY14]. **High-Scanning-Rate** [Bau58b]. **High-Security** [WYCF14]. **High-Speed** [BC54, Den58, Fra61, Leb56, AZ05]. **Higher** [BDK24, Fis56, Fro61, Kob13, LGT14, NM90, PZ19, JR07]. **Higher-Order** [Kob13, LGT14, NM90, JR07]. **Highly** [Ott12, ASV06]. **Highway** [ADF<sup>+</sup>16]. **Hilbert** [Att57, Baa93]. **Hill** [War57]. **History** [RW63, Ver95]. **Hitchcock**

[DM62]. **Hoare** [BÉ91, CK79, Cla79, CGH83, Wan78]. **Hole** [CSSS20]. **HOM** [GG13a]. **homogeneous** [KP02]. **Homology** [BCL19, DG98]. **Homomorphic** [Cul79]. **Homomorphism** [Ros08, Gro07]. **Homomorphisms** [RWM94, ADK06, DGP07]. **homotopic** [DL07]. **Homotopy** [AGS17]. **Homotopy-Initial** [AGS17]. **Honest** [Rab94]. **Hopcroft** [Deo76]. **horizon** [MGLA00]. **Horn** [CH91b, EM07, Fag82, HW74, Lew78, NM90]. **Huffman** [LH90, Vit87]. **hull** [Cha01]. **Hulls** [GW23, Yao81a, Cha10]. **Human** [Nev74]. **Hwang** [Man79b]. **Hwang-Lin** [Man79b]. **Hybrid** [Gai20]. **Hydrodynamic** [Har57]. **Hyperbolic** [Mac55]. **Hypercubes** [BC93]. **Hypergeometric** [AS54]. **Hypergraph** [CLTZ18, Mar13, Ott12]. **Hypergraphs** [Fag83, Sac85]. **hyperlinked** [Kle99]. **Hypertree** [GLPR21, GMS09]. **Hypotheses** [CRTY23].

**I/O** [CAA74]. **IA** [Ste57]. **Ianov** [Rut64]. **IBM** [ADW68, Bac54, Bak56, BBR54, Boy57, BO56, Gor56, GKR55, HK54, Wei66]. **Iceberg** [BCFC<sup>+</sup>23]. **Ideal** [Coh55, CDW21, GP18a, LPR13, BEP09, Hal07]. **Identical** [Cha75, Ric73b]. **Identification** [Oet57, RC86]. **Identifier** [BG70]. **Identifying** [KMP<sup>+</sup>12]. **Identities** [Sch80, TC21]. **Identity** [DG21, GP18a, AK98, AB03, SS13]. **Identity-based** [DG21]. **II** [BN13, BSZ65, BB64, BW57c, Cha90b, CM60, CI74b, Drm03, Dun66, DS92b, EGGI92b, HH94, Kel73b, Kob74b, Lam86b, Mae63, McD82, MR60, Mul91, MP71b, RS67]. **III** [Mae63]. **III** [MS19]. **Ill-conditioning** [MS19]. **im** [BGI<sup>+</sup>12]. **Image** [DST92a, DST92b, HM85b, Ric74, WYCF14, Hoc01]. **Images** [Mon69, Yak76]. **Imbedding** [FGM88, Was71]. **Immortality** [Hoo66a]. **Impact** [FKS95, ARV08]. **imperfect** [GS07]. **Implementation** [AK70, BS59, BJL<sup>+</sup>82, Ehr82, FLSY74, Gab76, GGS89, GL70, KU88, Kau71, BLP09, HJV01]. **Implementations** [HHPW14, Nou83, AD01, AGHK09, EFR07, FG10]. **Implementing** [FLMS93, FKL98, GH23]. **Implication** [CKV90]. **Implicational** [Hul84]. **Implications** [GJ78, MSY81]. **Implicit** [BKS15, But79, Cas75, Cas76, Con57, Cra55, Fre83, Jen73, AT11, Kor08]. **Implies** [BHT18, CFGS22]. **importance** [Coo03]. **Impossibility** [DV16, FLMS93, FLP85, BC05]. **Impossible** [BEGH17, Cla79]. **Improved** [AD01, BR15, BFG79, DEL80, FT87, GW95, JSS16, Kro66, LPSP15, Lue09, Niv10, Rei80a, Rou01, Rub22, SS13, SV19, Sin86, VV17, dCS77, PPSZ05]. **Improvement** [Lov77]. **Improvements** [EK72, Man79b]. **Improving** [AKS15, BFG03, Wig83]. **in-depth** [SPK13]. **in-place** [FG05]. **Inapproximability** [GSV15, Hås01]. **Inaugural** [Car57]. **Including** [Sla72b]. **Inclusion** [CKV90, GF80]. **Incompatibility** [BBEG18]. **Incomplete** [DH59, IL84, LW63a, LW63b, Lip81, Wal61, BLPS10]. **Incompleteness** [Wan78]. **inconsistent** [ACN08]. **Incorrectness** [BGGR23]. **Increase** [JM60]. **Increased** [CK65, Klu83]. **Increasing** [HH57]. **Increasingly** [CKP17]. **Incremental** [BGSS20, MS89]. **Incrementality**

[GM80]. **Independence**  
 [BR91, CH91a, FE76, GL22, HU66, Ros68, BN05, BKS<sup>+</sup>10, Bra10].  
**Independence-Reducible** [CH91a]. **Independent**  
 [AC81, AHPW19, BDSV24, BBH<sup>+</sup>21, BF67, Blu67, Cha16, Dem92, Fra65,  
 Gin61a, Hsu88, IK77, KW85, Sag91, Sah76, SC80, CDRS23]. **Index**  
 [Ano58b, Ano95a, Ano95b, Ano97, Ano98a, Ano98c, CS77, Fra61, Fra76,  
 GS69, GK68, HKMW66, IOT19, You63, BYG08]. **Index-Digit** [Fra76].  
**Indexability** [Yi12, HKM<sup>+</sup>02]. **Indexed** [Aho68]. **Indexes** [AG86].  
**Indexing** [BK77b, CM78, FM05, MK60, Mar61, O’C64, SL68, YS76, YSS78,  
 FLMM09, Shi10]. **Indistinguishability** [BV18]. **Individual** [BSV20].  
**Induced** [ADK17]. **Induction** [RBCC19, Pit06]. **Inductive**  
 [Kra62, Pit89, Weg77]. **inefficiency** [RS09b]. **Inequalities**  
 [Klu88, LGT14, Sho81]. **INF** [Sho77]. **Inference**  
 [Ang82, BD94, Chi86, KU80, KBI<sup>+</sup>17, Kra62, McA93, MG93, Moi19, MR87,  
 Nau89, Pit89, RS94c, SGRR75, Sla72a, BGJ10, DS12, Dar03, DR03].  
**Inferring** [Boy89, Sag80]. **Infinite**  
 [AHC19, Cha69b, CKP17, Gre69, GL22, Har86]. **Infinite-duration** [AHC19].  
**Infinite-State** [CKP17]. **Infinitesimal** [Sur87]. **Influence** [Low68].  
**Information** [Abe80, AGPV90, Bak62, Beu70, BO56, BT57, Cha74, Cha75,  
 Coo64, Dal73, DFGN24, DR85, FKR15, Fai67, FHS13, GKR16, Gla57,  
 Glu63, GYY80, GM61, GM70, GPV89, Heh77, IL84, JP84, Lip81, MK60,  
 Mor68a, PM71, Rab89, RZ19, Sal63, Sal71a, Sin86, SH22, Sti61, Was80,  
 Wer79, Win65b, YLC76, YLS82, ACN08, AL05, BLPS10, CKGS98, CM04,  
 GS07, GK04, Gra03, Lev13, MSS01]. **information-technology** [Gra03].  
**Information-Theoretic** [Cha74, AL05]. **Informational** [GV61].  
**Informational-Logical** [GV61]. **Inherent** [GU66b, HU66, Mau69]. **Initial**  
 [AGS17, GTWW77, KK70, Man75, Usm66]. **Initial-Value** [KK70].  
**Initializing** [CH86, CH88]. **Input** [Bar65, BF67, Cha70, CW17, Cof69a,  
 Cof69b, Fer60, Gil66b, Gin61a, Hof84, HR63b, HR63a, MS59, Oeh63, RW63,  
 Sch64, SM81, Win64, LMNM03, MRR03, DK59]. **Input-Error-Limiting**  
 [Win64]. **Input-Independent** [BF67, Gin61a]. **Input-Output**  
 [Fer60, Gil66b, HR63b, HR63a, MS59, DK59]. **input-queued** [LMNM03].  
**Input/Output** [Cof69a, Cof69b]. **inputs** [ABF<sup>+</sup>02]. **Inquiry** [Mar61].  
**Insertions** [HS21]. **Instability** [Kro67, Mil75]. **Instance**  
 [ABC17, OKSW94, de 86]. **Instance-Optimal** [ABC17]. **instances** [GS10].  
**Instants** [SM81]. **Institutions** [GB92]. **Instruction** [CS83]. **Instructions**  
 [Ano68, Mau66, MO56]. **Insurance** [Wis54]. **Integer**  
 [BL19, BNNS94, Cla95, EC68, Fei84, Hei71, Kam89, Kan80, Kan83, LR77,  
 MST91, MTZ60, Pap81, Phu76, SK73, Sri65, TS74, SS06b, Tho99]. **Integral**  
 [And65b, Fis58, Gla65, Has70, Her74, KK70, MM84, Phi62, SK77, SW68,  
 Tho57, Tra69, Two63, TC21]. **Integrality** [KV15]. **Integrals**  
 [DH59, Gau61b, Har64, Kac79, LW63a, LW63b, dWF58]. **Integrated**  
 [Bau56, FU82]. **Integrating** [Rah70]. **Integration**  
 [And66, Bui79, But65, Car58, Cas75, Cas76, Ema63, Fli60, HH57, HP66,

Kau71, Kro73, Lot56, Mor62, Pic64a, Rah69, RTW94, Sla63, Wil59a].  
**integrity** [FL02]. **Integro** [Lin69]. **Integro-Differential** [Lin69].  
**intelligence** [Fei03]. **Interaction** [DS92a, Yer65, JS96]. **Interactive**  
 [BKN14, BEGH17, FGL<sup>+</sup>96, GKR15, LFKN92, Bro97]. **Interarrival** [KW66].  
**Interconnection** [Gol82, HP90, JT75]. **Interdeparture** [Tob82]. **Interface**  
 [BER06, MT21]. **Interleaved** [BC73, Hof84]. **Intermediate** [RK23].  
**Internal** [Flo61a, GL88a, HI59, IL79, Mac66, Goe61]. **Interpolant** [Sha67b].  
**Interpolation** [Aki70, GL64, KP71, MT93, Sla70, TI70, Fer64].  
**Interpolator** [Mos55]. **interpretation** [CCM12]. **interpretations** [GRS00].  
**interpreted** [BL00]. **Interprocess** [Lam86a]. **Interrupting** [HY75].  
**Intersecting** [CE92]. **Intersection**  
 [BK86, BK87, CD87b, DL19, FCB08, ZS99]. **Intersections** [Com68, Vem10].  
**Interval** [CRR18, Gel79, GL70, HJV01, LB79, NB95, AKN<sup>+</sup>08, KJJ03].  
**Interval-Linearizability** [CRR18]. **Intervals** [HS91]. **Intractability**  
 [BBE<sup>+</sup>21, MS92]. **intractable** [Lib01]. **Intrinsic** [Rou15]. **Intrinsically**  
 [Dil89, Jaz81]. **Introduced** [CM96]. **Introduction**  
 [LV09, MV05, Sal71b, SV06, VV09, Via11a]. **Invariance**  
 [Pip89, PT20, HKM12]. **Invariant** [Doy62]. **Invariants**  
 [BNR13, BN13, HOPW23, KBI<sup>+</sup>17]. **Inventory** [CG57]. **Inverse**  
 [Att57, Bas58, BIW63, DLN73, DHM65, DH56, Erd66, MP70b, Pyl64, Tit55,  
 Cha00b]. **Inverse-Ackermann** [Cha00b]. **Inverses** [HC72, FN10].  
**Inversion** [Cru76, DA68, HC72, Mar58, NBC72, Pea67, Pea69a, Roc94,  
 Two63, Wat73, Wee66, Wil61, Zie68, Zoh69, von62]. **Inverted** [BBH<sup>+</sup>87].  
**Invertible** [Har63a]. **Inverting** [CLW95, FK99]. **Investigation**  
 [SM64, Sri65, TW61]. **Invited**  
 [Ano15, For16, Tar16a, Tar16b, Tar16c, Tar16d, Tar17a, Tar17b, Tar17f,  
 Tar17c, Tar17d, Tar17g, Tar17h, Tar17e, Tar18a, Tar18b, Tar18c, Tar18d,  
 Tar19a, Tar19b, Tar20c, Tar20a, Tar20b, Tar21a, Tar21e, Tar21b, Tar21c,  
 Tar21f, Tar21d, Tar22a, Tar22b, Via10b, Via11b, Via11c, Via11d, Via12e,  
 Via12a, Via12b, Via12c, Via12d, Via13b, Via13c, Via13d, Via13f, Via13e,  
 Via14a, Via14c, Via14d, Via14b, Via15b, Via15c, Via15a, WK15, Via11a].  
**Involving** [BL66, Ehr59, Har57, Rac82, dWF58]. **IP**  
 [Adl05, BFM<sup>+</sup>19, Sha92, She92]. **Irreducibility** [Mus78]. **Irreducible**  
 [HR63b, HR63a, Nat67]. **Irredundant** [BRK74]. **Irrelevant** [KW20].  
**Isolation** [CG18, CFGS22]. **Isomorphism** [Ber73, BJM79, CG70b, Fle62,  
 GHL<sup>+</sup>87, KMR95, LB79, SD76, Ull76, HMR<sup>+</sup>10]. **Isoperimetry** [BS23].  
**Item** [GR20]. **Itemsets** [KMP<sup>+</sup>12]. **Iterated** [Sch74]. **Iteration** [Bau58a,  
 BÉ91, CV59, Gau59, Gau60, HMZ13, KY83, KT74, Man67b, TW79, Was80].  
**Iterations** [Hou56b, Was81]. **Iterative**  
 [And65b, Bau78, BR71, BGRS13, CS85, Fis65a, HST76, KU76, Mol67, Par61,  
 She59a, Tor64, Wai67, von56, BEG22]. **IV** [BGdM<sup>+</sup>24].  
  
**J** [Nag61]. **J.** [Bui77]. **JACM** [Cof03, Fis03, Got03, Hal97, Hal03, Lei03,  
 Mil03, Ros03, Sal69, Jou03, Via10a, Via11a, Via13a]. **Jacobi**



[Cor63, GMvN59, Han62, PT57]. **Java** [MT21]. **Job** [FMI80, Leu93, MS11, Rus82]. **Jobs** [Bru76, CAA74, McK87]. **Johnson** [KN14, Man79a]. **Join** [BMT89, DLT94, MSY81, NPRR18, Sci82, ZTX21]. **Joins** [BC81, HT24, Mor97, Tay93]. **Joint** [dL89]. **Jordan** [Loi69]. **Journal** [Alt03, Ano68, Ano74, Sal70]. **Junta** [CST<sup>+</sup>18]. **Justification** [Apt83].

**Kanellakis** [Ano98b]. **Karp** [Zad72]. **Kedma** [ACDF78]. **Kernel** [BEL21, Kac79, LP79]. **Kernel-based** [BEL21]. **Kernelization** [BFL<sup>+</sup>16, KW20]. **Kernels** [KK70]. **Key** [Bol79, KOY09, McG59]. **Keys** [Bur76, MS16a, Riv78, TTK66, BF01]. **Killing** [TW24]. **Kilter** [Sin86]. **Kind** [DH59, Has70, Her74, Phi62, Pic64b, Raz16, SK77, SW68, Two63]. **Kinds** [BM83, LW63a, LW63b]. **Kinetic** [Rub15]. **Kinodynamic** [DXCR93]. **Kleene** [MS21]. **Knapsack** [HW76, HS74, IK75, Mey84, Sah75, Yao82, Zol78]. **Knapsacks** [BKS18, ISSS22]. **knot** [HLP99]. **Know** [FHV92]. **Knowledge** [CFGS22, DS92b, EFKP22, FHV91, FHV92, FH94, FH98, GMW91, GOS12, HM90, HZ92, HT93, NT93a, SK96, BBP95, BLMS97, DNS04, SV03, HZ92]. **Knowledge-Based** [HZ92]. **Knuth** [Pfa75]. **Koch** [RW23]. **Kronecker** [AK70, SPK13]. **Kuratowski** [Wil84]. **Kutta** [But67, But79, BL66, Car58, Cas75, Cas76, CR56, Fro61, GR60, Gru70].

**labeled** [FLMM09]. **Labeling** [ADK17, FK16, Sam81, ST72, KT02]. **Labelling** [DST92a, DST92b, DEG<sup>+</sup>21]. **Lagrangian** [JV01]. **Laguerre** [Wee66]. **LALR** [SSSU83]. **Lambda** [OR00]. **Lambda-calculus** [OR00]. **Lamport** [BZ14]. **Language** [Bro58, CK79, Cla79, FGP64, Flo61b, GHG60, Gra62, Har67, Mau69, McL65, Nev70, Rem81, VK76, Wir68a, Wir68b, AK98, Cap02, DR00, Lai13]. **Languages** [Ang82, BBK93, Boo78, BM62, CB72, CDPP23, CRGM78, DKRW15, ER64b, ER80b, ESvL80, Fai85, Gil66a, GR62, GR63a, GS63, GR63b, GS65, GU66a, GU66b, GH68, GMW91, Gor63, GLJT23, Gre66, Gre69, HS71, HH74, HU66, HR77, Hun82a, KLV95, Klu82, KB67, Kor89, KY83, LW93, Lyn77, MNO88, MH82, NB96, Par66, Ros79a, Ros67a, Ros68, Ros70a, Ros69, San65, Sud75, Sud78, VVAG97, BP03a, BDLW98, BLSS03, BGM99, FMW10, GK04, KMP00, NV02, Van07, Ano79, Gra77]. **Lanky** [ES15]. **Laplace** [Bas58, CM60, Cru76, DA68, LZ01, MP59, Tit55, Wee66]. **Laplacian** [CLTZ18]. **Large** [CLRS16, CCL23, Dea89, ES76, Har57, Has70, Joh61, Kau71, KT90, Lie59, Pea69b, Pol64, SU82, Sch66, TW84, CM04, RV07]. **Large-Scale** [Kau71]. **Largest** [Gau61a]. **Last** [MB83]. **Latency** [Knu61]. **Latent** [Bak62, Win65b]. **Lattice** [AR05, Ber69, CRS01, Far63, Liu69, Reg04]. **lattice-based** [Reg04]. **Lattices** [CDW21, LPR13, Kho05, Reg09]. **Law** [BS23, Erd66, ACKM09]. **Laws** [HM85a]. **Layout** [Ram86]. **Leader** [CD21, FL87, GS21, KPP<sup>+</sup>15]. **learn** [DKP98, HPRW96]. **Learnability** [ABL<sup>+</sup>22, BEHW89, LMN93, ABDCBH97]. **Learned** [LV21]. **Learning**

[AHK93, ABDH<sup>+</sup>20, ABL17, BDSV24, BBB<sup>+</sup>00, BLQT22, CGL<sup>+</sup>22, DJW14, DHL<sup>+</sup>20, DFN<sup>+</sup>24, FCMG22, FKS95, GS92a, GR17, JWW<sup>+</sup>23, JNG<sup>+</sup>21, KV94a, KLV94, KR97, LM23, LPR13, Men15, Men19, PV88, Raz19, Val15, BB10, BKW03, BLR13, BGM<sup>+</sup>98, CBDF<sup>+</sup>99, CHW12, GGR98, Kea98, Reg09, Vem10]. **Least**  
 [DLN73, GLH57, Hib61, Mad66, MP70b, Osb61, Ple74]. **left** [TKB95].  
**left-linear** [TKB95]. **Legality** [BBE70]. **Leman** [BN23, KPS19]. **Lemma**  
 [AI16, BM82, FGYZ21, GST16, GJL19, Moi19, AKS12, MT10, HSS11].  
**Lemmas** [Pet76]. **Length**  
 [BGP17, Cer58, Cha66a, Cha69a, Gin58, Gli65, Gon81, KW89, LH90, LW57, NW73, OR90, Pag74, RZR24, WW73, dL89, GS06, Lue09, Yek08].  
**Length-Limited** [LH90]. **Lengths** [MM84, Wol65, Yen72, LMNM03].  
**Lenses** [ANP<sup>+</sup>04]. **Less** [KT17]. **Letter**  
 [AM80, GG61, Goe61, Lei91, Liv60, Nag61, WSD59]. **Letters**  
 [Erc60, PGE75]. **Level** [HLS77, HR63b, HR63a, ILP97, LW08].  
**Level-Clocked** [ILP97]. **Levels** [Zar59]. **Lewis** [HHR97]. **Lexicographic**  
 [AG86]. **lexicographically** [CDPP23]. **Lie** [BK72]. **Life** [Wis54]. **Like**  
 [Che17, CC76a, CC76b, GR63b, Koc69, BCH<sup>+</sup>96]. **likelihood** [CT06]. **Limit**  
 [KKG<sup>+</sup>22, Mon70, ZTX21]. **Limitations**  
 [BRS22, Cha74, HMR<sup>+</sup>10, KV94a, PV88, Sch64, SH22, SRM97]. **Limited**  
 [AACHE15, AACHE18, Cof68, GL88a, Hib74, LH90, PK80, RS66, RS67].  
**Limited-Entry** [RS66, RS67]. **Limited-Use** [AACHE15, AACHE18].  
**Limiting** [Sch74, Win64]. **Limits** [BDSV24, NS06a]. **Lin** [Man79b].  
**Lindenstrauss** [KN14]. **Line** [BB95, BLS92, CE92, ES81, GS78a, Gri73, HL76, IM83, IL83, JS82, Kal88, LL85, Leh74, Mae77, Man75, MS92, Mor68b, AAF<sup>+</sup>97, CDRS93, DGS01, GJL21, Par61]. **Linear**  
 [Abd71, AM94, ADM<sup>+</sup>99, AB70, ADH15, AGTG21, ADO21, ADG15, ABL17, BAG14, BJM79, BLTY94, CD87a, CS71, CG67, Cla95, CLS21, Coh64, Col58, CC95, Cra55, Cry67, DP14, EC68, EH86, EKS20, ERS24, Fai85, FZ77, Fra60, Gab82, GS78a, Gal82, Gau59, Gau60, Gib69, Gil65, GLH57, GL88b, GW76, Gre66, GR79, GS90, GLW70, HPR15, Har76, HKN18, HS90, HK77, Jon62, Kam87, KLM19, KKT95, KSB06, KT19, Kor08, KSS10, LS11, LL78, Lin69, LS77, LKK83, Lov72, LB79, Man75, McC73, MW78, Meg84, MY80, Mey85, Mey84, Mor73, Mor75, Mou65a, NB96, Osb61, Pag76, Pav72, PK87, Ple74, RW92, RV87, Rei71, RG67, RPE81, RMK79, Rot70, SK78, San96, Sho81, Shr70, SC85, Sla72a, Sri76, Sto73, Sud75, TNS82]. **Linear**  
 [Tar75, Tho57, TW84, TS81, TM66, TSOA80, Two63, Was80, Wel66, Yan85, Zoh74, AC05, BP11, CAFS21, Coh00, FGMS05, GS06, HW04, Kar00, OR00, RA20, Raz09, Reg09, SS06b, Tho99, TKB95, VY11, EGGI92a].  
**Linear-Constraint** [BAG14]. **Linear-Time**  
 [DP14, GS78a, Gal82, GS90, KKT95, Man75, NB96, TNS82, Kor08, KSS10].  
**Linearizability** [CRR18, RK23, VSC24]. **Lines**  
 [HW67, Hue73, Hue74, KM74, Zaf70]. **Linguistic** [ACDF78, Zar59].  
**Linguistics** [IW71]. **link** [HLP99]. **linked** [BAP06]. **Lipschitz** [Eda22].

**LISP** [BM75, Sum77]. **List** [BC74, Fox70, GHG60, GH68, GX22, LWZ21, AS13]. **List-Processing** [GHG60]. **List-Storage** [GH68]. **Listings** [CF12, Sco58]. **Lists** [DST94, MY79, BAP06, SS06a]. **Literals** [dV71]. **Literature** [Doy61]. **Little** [HZ92, KS20]. **Live** [BDFG19, Kou77]. **Live-Dead** [Kou77]. **Lived** [HHPW14]. **Lively** [Nag61]. **LL** [Bea82]. **Lloyd** [ORSS12]. **Lloyd-type** [ORSS12]. **Load** [Bra77, Rab89, RY91, TT85, AAF<sup>+</sup>97, KP02, Vöc03]. **Loading** [AG73]. **Local** [AI16, AAPS96, Aki70, AGPT16, AF77, BNR13, BN13, BK14a, CHT77, FGYZ21, FGLS19, GST16, Gri86, GJL19, HSS11, Hue73, Hue74, KL73, KMW16, Moi19, OT95, RZR24, AKS12, FKP13, GHS13, MT10, ZY03, vD97]. **Locality** [BEPS16, CHO<sup>+</sup>22]. **Localization** [ABL17, Gri86]. **Locally** [BEG22, GS06, KMRZS17, FG01, Yek08]. **Locally-iterative** [BEG22]. **Locating** [Hue71]. **Locating** [Gau61a]. **Location** [FH80, GSV84, New65, JV01, JMM<sup>+</sup>03, KKD04]. **Lock** [ACHS16, SS06a]. **Lock-Free** [ACHS16, SS06a]. **Locking** [BS85, FHS13, KS83, Klu83, Kor83, MW84, RT90, TSG85, Yan82, Yan84]. **Locks** [KS83]. **Log** [AC24, CMS20, CdDPL<sup>+</sup>24, Lyn77, HN04, Rei08]. **Log-Approximate-Rank** [CMS20]. **Log-concave** [AC24, CdDPL<sup>+</sup>24]. **log-space** [Rei08]. **Logarithmic** [AZ06, RV87, Sch88, Cha01, HdLT01]. **Logemann** [NOT06]. **Logic** [AM90, AP93, AH94, AV82, BC14, BNR13, BBCP20, BFM<sup>+</sup>19, BÉ91, BK14b, BGGR23, Bry91, BW57b, BW57c, CH91b, CC95, Dav17, Deb92, EG95, EH86, EKS20, ERS24, FMNP19, Gab16, GMSV93, Got95a, Got95b, HS91, Hog81, Jac82, Lee72, Lic23, Mam66, MT91, McD82, Net59, Nev74, Pel87, Rob65, Sag80, SDPF81, SDPF87, She65a, She65b, VK76, Win71, vRS91, AB05, AHK02, BMSS09, BLMS97, CW96, DFSL14, EGG00, GKS04, RS00, SSS96, SM02, TS10]. **Logic-Based** [EG95]. **Logical** [BHK59, CEW58, Eld59, GV61, Hod70, Hol62b, HKP84, HR63b, HR63a, KLW95, Moc56, SH21, UV88]. **Logically** [dV71]. **Logics** [AVV97, CF12, CGH83, CKP17, Gai20, GHKL21, HHP93, HLNW01, MST93, SC85, TK91, DV95, MR10b]. **Logspace** [ACJR21, LZ77]. **Long** [BCLM56, HZ92, HHPW14, Ram86]. **Long-Lived** [HHPW14]. **Longest** [AHU76, Gon81, Hir77, KR92, Lue09]. **Look** [Mac57, Rah69, San69, MMW07]. **Look-Ahead** [San69]. **Look-Up** [Mac57]. **Lookup** [Pap87]. **Loop** [Bli72, GK58, HS56, Hun82a, KK74, KM72b, Sho81, Swa80, vdLL86]. **Loop-Free** [Bli72]. **Loopless** [Ehr73]. **Loops** [BAG14]. **looseness** [ZY03, vD97]. **Lopsided** [KR89]. **Loss** [Sev74, CKOR14]. **Lossless** [GS07]. **Lovász** [AI16, AKS12, GJL19, HSS11, Moi19, MT10]. **Love** [GP18b]. **Loveland** [NOT06]. **Low** [AH92b, CGL<sup>+</sup>22, CW17, DDFS14, FHS13, LO85, OR07, AM07, CGT10, FKV04, CK95b]. **Low-Cost** [CK95b]. **Low-Density** [LO85]. **Low-Distortion** [FHS13]. **Low-Rank** [CW17, CGL<sup>+</sup>22, AM07, FKV04]. **Low-Weight** [DDFS14]. **Lower** [Abe80, AAHK94, AC23, AC05, AH92b, Asp98, BBH<sup>+</sup>21, BN23, BL04b,

Cha90a, Cha90b, CRTY23, CdDPL<sup>+</sup>24, CADMD21, CFG<sup>+</sup>17, FGR<sup>+</sup>17, FMP<sup>+</sup>15, Fre81, FG79, GH23, GHS13, GW85, GHS09, HHHN14, HS78b, JK78, Ked79, Kir81, Kis91, KMW16, Kun76, LY89, MST91, Mey85, Mor73, PKR84, Raz13, Raz19, RVW18, Sch88, She14, Sla70, Tiw87, Tro84, Wil14, YY76, Yao81a, AS04, AK10, BBC<sup>+</sup>01, BSSV03, EFR07, FLvMV05, JLV00, Raz04, Ste03, SM02, HS78a]. **LP** [CLRS16, JMM<sup>+</sup>03, MSU99]. **LP-based** [MSU99]. **LR** [Bea82, Mic76, MLS76]. **LRU** [OOW99]. **LRU-** [OOW99]. **LSH** [CK15]. **LSH-Preserving** [CK15].

**M** [DNRS03, Laz84, OM78, Rid76, Laz84, OM78, Rid76]. **M/M/1** [Rid76]. **M/M/C** [OM78]. **M/M/m** [Laz84]. **Machine** [Baz57, Blu67, BCLM56, BS76, Bru76, CGL<sup>+</sup>22, Cur65, Das77, Gau59, Gau60, GGV<sup>+</sup>24, Gin58, Gin59, GH64, Har68, Hun84, JNG<sup>+</sup>21, Leb56, Lee61, Leh61, LR65, LV21, Ove66, RW63, Rob65, R6c84, SM64, Swi57, Was54, Yer65, Zar59, ZL58, AAF<sup>+</sup>97, BP01, BEP09, CN06, CHW12, GK96, BS59, Tre54]. **Machine-Independent** [Blu67]. **Machine-Oriented** [Rob65]. **Machinery** [Ano68, Ano74, Wil54]. **Machines** [AF67, AVV97, ADH63, Arb61, BF67, Bel60, Ber54, BZ83, BL75, Bsh93, Cas71, Coh64, Col71a, Co071, Cur62, Cur63b, Elg54, ER64b, ER64a, ESvL80, FHV92, Far63, Fis65b, FKS95, Gil66b, GF67, Gin60, Gin61a, Gri68, GI82, GV61, Har63b, HS66, Hib61, HU69, HD64, Iba78, Kar67, Kle66, Liu69, Mey85, OF61, Rei87, RC69, Sav72, SS79, Sch88, Wan57, Wat61, BL04a, BEP09, KMPS09]. **Macro** [ESvL80]. **Made** [Hae16, BSW01]. **Maehly** [Dun65, Dun66]. **Magic** [DNRS03, Ros94, WZC95, SSS96]. **Magnetic** [HK54, Tre54]. **Magnification** [CHO<sup>+</sup>22]. **Magnified** [Shr70]. **Main** [Smi79]. **Maintain** [Dea89]. **Maintained** [SD62]. **Maintaining** [Fre82a, MH89]. **Maintenance** [AS97, DS91, Gra55a, ACK08]. **Makanin** [KP96]. **Make** [Set82]. **Makespan** [BDF81]. **Making** [CG70a, GRS00, Sla64, Wri75, MR93]. **Malicious** [GH23]. **Malleable** [DPW18b]. **Man** [Ham69, SM64, Yer65]. **Man-Machine** [SM64, Yer65]. **manage** [BKP07]. **Management** [ADLM14, HLMW92, Hof77, Hol62a, AAPS96, LMW05]. **Managers** [Jaf83]. **Managing** [GE01]. **Manifolds** [CGOS13]. **manipulate** [CSL07]. **Manipulating** [BK78]. **Manipulation** [Ata94, ADS83, FGP64, Flo61b, Ros73a]. **Manual** [Bla59]. **Manuscript** [Ano68]. **Many** [BCFC<sup>+</sup>23, CS88a, DDST16, FMI80, GS92b, Mor59, Ram86, RW23, Wal88, HPRW96]. **Many-Sorted** [Wal88]. **Map** [CGP02]. **Mapping** [HRS88, Rab66, GS10]. **Mappings** [ADLM14, BSZ65, GH64, GS65, RZ65, FN10]. **MapReduce** [BEG<sup>+</sup>21]. **Maps** [CKM<sup>+</sup>14, Doy61, Eda22, BL04b]. **Market** [DPSV08, VY11, BSZ06]. **Markets** [CPY17, JWW<sup>+</sup>23]. **marking** [Adl05]. **Markov** [AAGT15, BN71, CS85, CDPP14, CI74b, DJM17, EY09, EY15, Hoc01, Hof84, KR14, KT02, MGLA00, RW88, Ste83, WSY<sup>+</sup>19]. **Markov-Chain-Driven** [Hof84]. **Markovian** [MM84, MM86]. **Marriage** [ILG87, TTS21]. **Massively** [BHH23]. **Master** [Blu58, DS13, Rou01]. **Mastermind** [DDST16]. **Match**

[FP86, KR92]. **Matching** [AV20, BHH23, BHR19, CD08, CP91, DP14, DGM94, FHTZ22, Gab76, GT91, Gal81, Gal95, GK88, HO82, HKT<sup>+</sup>20, IRT78, JWW<sup>+</sup>23, LPSP15, Mot94, Mye92, RA20, RR92, RW92, RPE81, Rot17, SH88, TWZ23, CFM10, MSVV07, Mye99]. **Matchings** [BBH<sup>+</sup>21, CGS15, CKN18, DJM17]. **Mathematical** [Adi71b, Ber54, Dub66, ES76, Gia64, Gof71, Gri73, Kap68, Lom62, Mor68b, She67]. **Mathematics** [GOBS69]. **Matings** [And81, GNRS92]. **Matrices** [AK70, Bib81, BS74, BGdM<sup>+</sup>24, Bun71, Cor63, CS84, DM62, DG57, EV62a, EV62b, FL74, GMvN59, GH59, Har60, HS75, HC72, IOT19, Joh61, La 64, Lio71, Loi69, Mar59, Net59, OD67, Ort60, Osb60, Pea69a, PT57, SD76, War62, Wat73, Zie68, dS58, von62, RV07]. **Matrix** [AY13, Ano57, Att57, Bau58a, BIW63, BR71, Ber58, CGL<sup>+</sup>22, CLS21, Erd66, Gen78, Giv58, Has70, Hou56b, Hou58a, Hou58c, KS20, LM86, MP70b, MO68, Mor60, Oli67, OPSPW19, Pea67, Pul55, Ros67b, Sav84, SS17, Sim65, Sim67, WSD59, Wil59b, Wil61, WW18, Yel75, Zoh69, vdLL86, von56, AM07, AT11, BDHS12, CKL13, JSV04, Lee02, Zwi02]. **Matrix-Algebraic** [vdLL86]. **Matrix-exponential** [OPSPW19]. **Matroid** [BIKK18]. **Max** [BSP82, Bun71, DHK<sup>+</sup>17, PS81a, LR99, Chi86, DJKK08, RWZ23]. **Max-CSPs** [RWZ23]. **max-flow** [LR99]. **Max-Min** [DHK<sup>+</sup>17, PS81a]. **Max-Norm** [Bun71]. **Maxima** [BKST78, KLP75]. **Maximal** [BBH<sup>+</sup>21, BHH23, BJM79, Cer58, CH14, CT81, KW85, Kel73a, Kel73b, Log79, NB95, Wer79, Zad72]. **Maximin** [KPW18]. **Maximization** [FNFSZ23, GW21, HP72a, OV20]. **Maximizing** [PT57]. **Maximum** [BBB<sup>+</sup>21, Bry82, DP14, FGM88, Gab76, GT88b, Hsu88, Joh87, KR77, New65, PKR84, SH88, SM90, Yan79, ANP07, BFJ<sup>+</sup>03, BK09, CFM10, CT06, GW95]. **Maximum-Finding** [PKR84]. **Maximum-Flow** [GT88b]. **Maximum-Genus** [FGM88]. **May** [GS90]. **Meager** [LF88]. **Mean** [BR71, CV17, Dad88, FM79, PKT90, RL80, TSG85, RL81]. **Mean-Payoff** [CV17]. **Mean-Value** [RL80, RL81]. **meaning** [BG96]. **Means** [AMR11, CDOY11, HA56, SB82, AK10, ORSS12]. **Measure** [DI87, FGK09]. **Measurement** [FACP81, DKP07]. **Measurements** [GK58]. **Measures** [MY79, PF79, Pip89, dG89, AHPV04, FH01]. **Measuring** [CHJS15]. **Mechanical** [Ber63, BM84, EG82, Gor63, Lov68, Mey65, PPV60, Sha88, Wel66, Lov69b]. **Mechanism** [BILW20, DHKN21, LS11, Rou24]. **Mechanisms** [BKS15, DRY16, Kon24, Mur55, SAKS64, RS09b]. **Mechanization** [Bar60, Pie73]. **Mechanized** [O'C64]. **Media** [HWB56]. **median** [OR02, JV01]. **Mediated** [BKK<sup>+</sup>18]. **Mediators** [GH23]. **Membership** [BMT92, OPSPW19]. **Membrane** [GS57]. **Memoriam** [Ano98b, DNRS03]. **Memories** [Fal62, Por66, Rao78]. **Memory** [AAD<sup>+</sup>93, AG73, ABND95, AGHR17, Bry82, BC73, CE72, CLRS86, EGM16, Flo64, FK85, Gau61a, Har67, Joa59, JM78, KS78, KU88, Kau71, Lie59, Log78, Mit74, Pul55, RC70, Raz19, SVN<sup>+</sup>13, Smi79, Tau22, TG82, UW87, Wil87, WC74, Cap02, DHW97, DR00, FG99, GHS09, NR09, SN04].

**Memory-Constrained** [FK85]. **MERCURY** [BT69]. **Merge** [FB72, HHHN14, KG74]. **Merge-and-Shrink** [HHHN14]. **Merging** [AB70, And68b, BT79, Gli65, Goe61, HD73, Man79b, MBM89, Rei71, Sob62, YY76, HRM02, MPT96]. **Merlin** [HM13]. **Mersenne** [Fra61]. **Mesh** [AK84, KA88, MMHW97, Mor62, NS80]. **Mesh-Connected** [AK84, KA88, NS80]. **Message** [ABND95, DDWY93, Elk20a, Paw80, Pol64, Sch72, WH80, BPC<sup>+</sup>12]. **Message-Passing** [ABND95]. **Messages** [MMR15, NS06a]. **Meta** [BFL<sup>+</sup>16]. **Metadata** [ADLM14]. **Metalgorithm** [Ric75]. **metatheory** [PR99]. **Method** [Aki70, Alo60, ABV60, AMR11, BJ66, BIW63, Ber54, Ber58, Boj84, But65, But79, Cal59, CM74, CD60, Cor63, Cry71, CV59, DHM65, Dun65, Dum66, DG57, Ehr58, Fli60, Fra60, GC65, Glu63, Gof71, GMvN59, GF60, HH57, Han63, Has70, HHHN14, HW67, HI59, HP59, HR91, Jen73, Joh61, Joh93, Kei56, Kle67a, Leh61, Liu63, Lot56, Mar59, McL84, Mon68, Par55, Pet62, PT57, Pyl64, Rab66, RS63, Sal60, Shi69, Sho77, Shr70, Sig67, Ste67, SEY15, Sto64b, Tho57, TM66, TI70, Wal61, Wan93, War57, Was54, Wee60, WSD59, Win65b, YS76, Zaf70, ACR98, KT68]. **Methodology** [Bry91, Sum77, CGH04, LBNS09]. **Methods** [BK14a, Bau78, BNNS94, BF61, BEL21, Bui79, But67, BL66, Cas75, Cha62, Chu61, CPT94, DLN73, DG71, DG62, DW64, Dye68, Edm69, Fis58, Fra65, Fri73, Fro61, Gil60, GR74, Gor57, GS64, Gru70, Ham59e, Han62, HST76, Hen70, Kar68, KT67, KG74, Kro66, Kur62, Les58, Lin69, LFKN92, Mae60, Mae63, MB85, MM75, MR62, Mul59, O'C64, Par61, Sha67b, Sin86, SB73, Tor64, Wil61, Zel68, ORSS12]. **Metric** [BKMZ15, FL18, KSU19, JV01, KT02, Lee80]. **Metrical** [BLS92, BLR10]. **Metrics** [CAFS21, CADK<sup>+</sup>24, KV15, CGT10, ENRS00]. **MGS** [Ple74]. **Micro** [Mer57]. **Micro-Programming** [Mer57]. **Microcellular** [Min67]. **microprocessor** [BY96]. **Microprogramming** [Gla56]. **MIDAC** [Coh55, Gra55a]. **Middleweight** [MT21]. **Midpoint** [GR73, Lot56]. **Mild** [LWZ21]. **Mildly** [CDW21]. **Milne** [Kei56]. **MIMD** [LKK83]. **Mimimax** [VV63]. **Min** [BSP82, DHK<sup>+</sup>17, GT88a, PS81a, Yan85, LR99, OR02, SU05, SW97, Chi86]. **Min-Cost** [GT88a]. **Min-Cut** [Yan85, LR99, SW97]. **min-entropies** [SU05]. **Min-Max** [BSP82]. **min-sum** [OR02]. **Mini** [DR03]. **Mini-buckets** [DR03]. **Minima** [Ber69]. **Minimal** [BF67, BL79, Cha72, CT81, CR56, DM81, DDS87, EHR84, EW75, FM70, GS22, Gav83, Gin60, Hib61, Hom87, Hsu75, Hwa79, Jaf90, Nat67, Pag74, Pra60, dV71]. **minimality** [vD95]. **Minimax** [BDB23, CF59, Fra65, Sha70a]. **Minimization** [BHR84a, CMNP18, Law64, LY94, MP65, MP66a, Sch74, Ste67, AZ08, CN06, FFM08]. **Minimize** [BDF81, GS76, GS73, BL04a]. **Minimizers** [Jia23]. **Minimizing** [AGL00, CC76a, CC76b, CADK<sup>+</sup>24, Jia23, KP03, Knu61, Nau89, IFF01]. **Minimum** [Bay72, GT89, IAWK83, Joh87, KKT95, Kar00, LW57, Mai80, MT69, MR08, OR90, PW93, Sch63, Sev74, SL15, Sla64, Sup83, Wag97, Cha00b, CHL01, HdLT01, KS96, PR02, RS09a, RS66, RS67]. **Minimum-Cost** [GT89, IAWK83, Sla64]. **Minimum-weight** [MR08].

**Minor** [CC16, DFHT05]. **Minors** [FLS18, Gro12]. **Miss** [FE76]. **Missile** [Orm61]. **Mixed** [ADU72, ADH63, BBD<sup>+</sup>15, BCMP75, BNNS94, BH65, CM61, CD60, HD64, IOT19, KM72a, ASV06]. **Mixed-Criticality** [BBD<sup>+</sup>15]. **Mixtures** [ABDH<sup>+</sup>20, LM23]. **ML** [KTU94]. **Mobile** [ABF17, AP95, YUKY17, MN05]. **Modal** [Got95a, HS91, MST93, McD82, TK91, DP01]. **Model** [BBG89, BKTW22, Bra77, BK71, CM85, Cha90b, DM87, FHV91, FLSY74, Gia64, GH86, GN94, GB92, GHKL21, Gri86, GPV89, Her74, HY75, Hof77, HY84, Kle66, Kob13, KR76, KSS75, KSS77, LS71, Lov68, Lov69b, Lov69a, Mai80, Mor68b, Muk68, Par79, Par80, San88, Sch72, SEY15, TSG85, Wak69, Wil77, YLC76, YLS82, ALS09, BB10, BKL99, BKW03, CGJ<sup>+</sup>03, GJ12, HKM<sup>+</sup>02, KVV00, LPW02, MSS01]. **Model-Based** [Gri86]. **Model-Theoretic** [FHV91]. **Modeled** [BN71]. **Modeling** [Kob74b, Nel87, TG82, YDL93, Zei72, GE01, MMHW97]. **Models** [Adi71b, BBE70, Bay72, CMS89, CK68, CPT94, DVSC77, Gav67, GL71, Gel75, Gri73, HP90, HP72b, Hem64, KM72a, Lie82, Mae77, ME67, Mát90, MW84, Moi19, Tow80, Win82, LBNS09, PD98, RS00]. **Modern** [Bau58a, RVW18]. **Modification** [Fli60, GK59, KT68, Ste67]. **Modified** [BC74, But65, Gau61a, Joh61, KT67, Sha67b, Win65b, Zie68]. **Modular** [BSZ65, MS89, NSSF24, RZ65, Ros94, Sto70]. **Modularity** [APY91]. **Modulators** [Bla55]. **Module** [BHK90, Gus83, Wan93]. **Modules** [Mam66, SH21, de 86]. **Modulo** [NOT06]. **Modulus** [Leh57, Smi71a]. **Moments** [Alt62, MM84]. **Monadic** [AMP73, GK04, VBNB17]. **Monitoring** [BKMZ15, Swi57]. **monitors** [CSV09]. **Monogenic** [Hoo66b]. **Monoids** [BMT92, MT88]. **Monotone** [AG87, BT96, CPY17, FGLS19, Pot17, RW92, SEY15, Tal69, AACH12, EY09]. **Monotonic** [Lib01]. **Monsters** [ZM22]. **Monte** [Ehr59, FKV04, HH57, Ham56a, HH63, Mos58, RTW94, TM66, TI70]. **Monte-Carlo** [FKV04]. **Moore** [FL18]. **Moore-Bellman-Ford** [FL18]. **Moran** [GGG<sup>+</sup>17]. **Morphic** [ERR81]. **Morphisms** [Zei72]. **Morphological** [Mey65]. **Morphology** [Fai67]. **Morse** [Bla59]. **Moser** [HS19]. **Most** [HL13, KPS19]. **Motion** [DXCR93, RS94a, BLMS97]. **Motions** [Rub15]. **Motivation** [GJ78]. **Movable** [GM73, GM75]. **Movable-Head** [GM73, GM75]. **moves** [FG05]. **Moving** [Ehr58, One75, RS94a]. **Moving-Head** [One75]. **Mr.** [Nag61]. **MST** [Elk20a]. **Mu** [BBFD23]. **Mu-Calculus** [BBFD23]. **Much** [HS90, BRSU97]. **Muggles** [GKR15]. **Multi** [Bab75, CYZG14, CPT94, DCKT92, GW21, Raz09, SKM18, EFR07, PR08]. **Multi-Class** [DCKT92]. **Multi-dimensional** [GW21]. **Multi-Entrance** [Bab75]. **Multi-Facility** [CPT94]. **Multi-linear** [Raz09]. **Multi-Party** [CYZG14]. **multi-player** [PR08]. **Multi-Way** [SKM18]. **multi-writer** [EFR07]. **Multicategory** [Ble66]. **Multichain** [RL80, RL81]. **Multiclass** [RTW94]. **Multicommodity** [LR99]. **Multicounter** [Iba78]. **Multidimensional** [CK95a, FP86, Har64, Wai67, Wil87, CC04].

**Multifunctional** [Cur59b]. **multigraphs** [KLSS05]. **Multihead** [FMR72, LS81a]. **Multilayer** [BBBL95]. **Multilevel** [AG73, BK79, Law64, RA76]. **multimedia** [MS96, MSS01]. **Multimodule** [LS87, WC74]. **Multiobjective** [BR15, MP10, SW91]. **Multiooperand** [Pap87]. **Multiparameter** [Wei55]. **Multiparty** [BEGH17, GS22, HYC16, JS96]. **Multiple** [Bol79, Bre76, Chu81, CG86, Cur62, DR54, DHK19, ES86, Flo64, GW85, GFL87, HR63b, HR63a, KH64, LNSW59, Men65, Mor97, Mou65b, Sar83, Tay93, Tob82, Tra63]. **Multiple-Bank** [Flo64]. **Multiple-Chain** [CG86]. **Multiple-Class** [ES86]. **Multiple-Gradient** [KH64]. **Multiple-Key** [Bol79]. **Multiple-Precision** [Bre76]. **Multiplication** [Boy57, BK81, BK82, CLS21, Edw54, HVL17, HvdH22, Hor75, KB89, KS20, Spi69, Win67, BDHS12, Lee02, Zwi02]. **Multiplications** [Ked79, ST74, FPS98]. **Multiplicative** [FZ77, KB89, Smi71a]. **Multiplicities** [GFL87]. **multiplicity** [BBB<sup>+</sup>00]. **Multiplier** [Fra61]. **Multipoint** [BGKM23, BGG<sup>+</sup>24, KT74, Tor64, Was81]. **Multiprocessing** [CE72, CR95]. **Multiprocessor** [BL90, HY77, Lat81, MC70]. **Multiprocessors** [Bau78, CK95b]. **Multiprogrammed** [Bra77, Den65, LS71, Pri76, RC70]. **Multiprogramming** [AHY73, CW65, Gav67, Hel61, KSS75, KSS77, Lat81, LL73, Mit72]. **Multiprogramming-Multiprocessor** [Lat81]. **Multipurpose** [SB68]. **Multiread** [HV95]. **Multiresource** [Oma77]. **Multisalesmen** [BH74]. **Multiserver** [CI74a]. **Multisets** [JK78]. **Multistage** [HP90]. **Multistep** [But65, But67, Dye68, GS64, KT67, Lin69, Sha67b, SB73]. **Multitape** [GG72, HS66, KS66]. **Multiterminal** [GK94]. **multithreaded** [BL99]. **Multivalued** [HV95, Men79, Sag80, SW82]. **Multivariable** [Fer64, TM66, TI70]. **Multivariate** [BGKM23, BGG<sup>+</sup>24, Col71b, Mus75]. **Multiway** [LGT14]. **Multiwrite** [Por66]. **Mutual** [BFG<sup>+</sup>99, BJJ<sup>+</sup>82, Lam86a, Lam86b, RZ19, Sta82].

**Names** [ABF17, BF61, LY61]. **Naming** [BY73]. **Naqvi** [Bri90]. **narrow** [BSW01]. **narrowing** [AEH00]. **Nash** [Bab16, CDT09, Vaz12]. **National** [Mey65]. **Natural** [Cha69b, CHO<sup>+</sup>22, MV15]. **NC** [AV20, CM93, MT88]. **Near** [AG17, ABDH<sup>+</sup>20, BN23, CPSZ21, CC04, CAFS21, DJSW19, Elk20a, Fra65, GJ76a, HKN18, KLM19, KT19, LS11, RA20, Rub15, Sha70a, Cha01, Coh00, Kar00, ŠVV09]. **Near-Linear** [HKN18, KT19, CAFS21, RA20, Coh00, Kar00]. **near-logarithmic** [Cha01]. **Near-Minimax** [Fra65, Sha70a]. **Near-Optimal** [AG17, Elk20a, GJ76a, LS11, ABDH<sup>+</sup>20, BN23, CPSZ21, CC04, KLM19, ŠVV09]. **Near-Quadratic** [Rub15]. **Nearest** [CK95a, MTTV97, AMN<sup>+</sup>98, AMM09, Cha10]. **Nearly** [BBBL95, CS85, DDFS14, DMOZ22, ES17]. **Necessary** [Bon70, Esc60, Rob71]. **Need** [CCL23]. **Needed** [DDS87, GW85, AEH00, HPRW96]. **Negation** [BTS15, Ros94, Dar01, FCB08]. **Negative** [GT89, KV15, BG96].



**Negative-Type** [KV15]. **Neighbor** [MTTV97, AMN<sup>+</sup>98, AMM09, Cha10]. **Neighborhood** [Sup83]. **Neighbors** [CK95a]. **Neighbours** [BK14b]. **Nested** [Aho69, BBG89, GPV89, AY13, BGJ10, TS10]. **nesting** [AM09]. **Net** [HPR15]. **Nets** [ADO91, Arb61, CEW58, CM57, CLL<sup>+</sup>21, DG84, GK94, Gil60, Jef56, Koc23, LR78, MM81, Ric73b, Ric73a, SD62, AKN<sup>+</sup>08, Rub22]. **Network** [Awe85, BPP<sup>+</sup>16, Cun85, DPRS89, EK72, EKLS20, FT87, FK85, Hae16, IW71, KS78, Lam82, MC87, Mul78, NS82, Pol64, SM81, Sur83, Tow80, Wak68a, Wak68b, AAPS96, BPC<sup>+</sup>12, GKPR07, Noe79]. **Network-Oblivious** [BPP<sup>+</sup>16]. **networking** [ANV13]. **Networks** [AHS94, AEK<sup>+</sup>12, BMT89, BM85, Bar16, BCMP75, BB95, BP89, BS89, But78, CHT77, CM83, CDRS23, CM96, CK95b, CLW95, Col87, CG86, CD21, Dad88, DLT94, DFGN24, DCKT92, ES86, FH80, Haj83, HP90, HKP84, Huf57, IS78, IW71, Joh77, Joh87, KT90, Kob74a, Kob74b, KLM<sup>+</sup>97, KM20, MM84, McK87, MY84, MV15, MM86, Mow70, MP75, OR90, PKT90, Pip89, Pot17, RV87, RL80, RL81, RTW94, SB82, Tar72, Tiw87, TW88, Van78, Weg69, WW73, YY76, Yen72, YZJ18, ZTX21, dL89, ABNC<sup>+</sup>96, AFGZ05, BCH<sup>+</sup>96, BM96, Dar03, FPS98, JSMM03, KP02, KLOW00, MPT96, OG96, vD95]. **Neumann** [CM61, Muk68]. **Neural** [ADO91, Arb61, SD62, OG96]. **neuroidal** [Val00]. **neuromata** [ŠW98]. **Never** [EH86]. **News** [Alt57a, Alt57b, Alt57c, Alt57d, Ano54a, Ano54b, Ano54c, Ano54d, Ano55a, Ano55b, Ano55c, Ano55d, Ano56f, Ano56g, Ano56h, Ano56i]. **Newsletter** [Ano56a, Ano56b, Ano56c, Ano56d, Gol57a, Gol57b, Gol57c, Gol57d, Neu54a, Neu54b, Neu54c, Neu54d, Neu55a, Neu55b, Neu55c, Neu55d]. **Newton** [Boj84, SEY15, TW79, Zel68]. **Newtonian** [EKL10]. **next** [BK79, FMW10, Gra03, McC03]. **Nicholas** [Yer65]. **No** [DV14, FCMG22, FKR19, KRR22, Róc84, TSG85]. **No-regret** [FCMG22]. **No-Signaling** [KRR22]. **No-Wait** [Róc84]. **No-Waiting** [TSG85]. **Node** [WW73, Yen72]. **Nodes** [EBA72]. **Noise** [ABL17, BKW03, BKN14, BGM<sup>+</sup>98, LS23, CBDF<sup>+</sup>99, Kea98]. **Noise-tolerant** [BKW03, BGM<sup>+</sup>98, Kea98]. **Noisy** [SH22]. **Nominal** [Gab16, LP14]. **Non** [CPY17, CST<sup>+</sup>18, DPW18b, IKM17, MS92, Ukk82, HP07]. **Non-adaptive** [CST<sup>+</sup>18]. **Non-Clairvoyant** [IKM17]. **Non-FIFO** [MS92]. **Non-Malleable** [DPW18b]. **Non-Monotone** [CPY17]. **non-probabilistic** [HP07]. **Non-Real-Time** [Ukk82]. **Nonarithmic** [Lom62]. **Nonbinary** [ZZ17]. **Nonclairvoyant** [BL04a]. **nonclairvoyantly** [KP03]. **Nonclausal** [AM90]. **Nonconstructive** [FL88]. **Nonconvex** [JNG<sup>+</sup>21]. **Noncooperative** [KL95]. **Noncounting** [CRGM78]. **Nondeterminism** [AP86, HM85a, XDB83]. **Nondeterministic** [Flo67, GH68, Gri68, GS90, HS71, Iba72, MT85, Mát90, SFM78, SN85, Ste03]. **Nondistinct** [Bur76]. **Nonequilibrium** [Kob74b]. **Nonhomogeneous** [WSY<sup>+</sup>19]. **Nonidentical** [HS76, IK77]. **Noninteractive** [GOS12, BLR13]. **Nonlinear** [And65b, BJ66, BL19, Boj84, FR63, GS90, Kac79, KH64, Klo61, Mad66,

Man67b, Moc71, Mow70, RR92, Sch88, Shr70, TI70, Was81, Zel68, EY09].  
**Nonmalleable** [LP15]. **Nonmonotonic**  
 [BNNS94, MST93, McD82, TK91, DFPP02, McD82]. **Nonnegative**  
 [CS84, LM86, WW73, Yen72, JSV04]. **Nonnegative-Distance**  
 [WW73, Yen72]. **Nonnested** [ESvL80]. **Nonnormality** [Loi69].  
**Nonnumerical** [Bra67]. **Nonoblivious** [FNSS92]. **nonparametric** [BGJ10].  
**Nonpolynomial** [Sha67b]. **Nonpreemptive** [CG93]. **Nonpriority** [Mit72].  
**Nonstandard** [BB77]. **Nonsymmetric** [Hou58c, Mor60]. **Nontrivial**  
 [DV14]. **Nonuniform** [GJ76b, PK87, Wil14]. **Nonuniqueness** [GSV15].  
**Nordsieck** [KT68]. **Norm** [Bun71, FHS13]. **Normal** [Coo66, FJ60, GH59,  
 Gre65, HH63, Hoo66a, Hoo66b, Kro64, Mul59, Ros67b, Yas67, AL05, Dar01].  
**Normal-Form** [Gre65]. **Normalization** [CLW95, ERS24, Lam82].  
**Normalized** [CV59]. **Norms** [She59a]. **Notation** [RS83]. **Note**  
 [Adi71b, Ano56e, AJM80, Cal59, Cas71, Chu81, Col58, Deo76, Dev86, Fik59,  
 Gla56, GF60, HM72, Iba72, Joh73, Kam89, KP71, Kra62, Lot56, Mey69,  
 MP70b, Mor73, Pic67, Pri76, Ros71, Ros70a, SB82, San72, Sar83, SF80,  
 Sud75, TM66, Ull72, WW73]. **Notes** [Gre61, Lyn69]. **Nothing** [GMW91].  
**Notices** [Alt57a, Alt57b, Alt57c, Alt57d, Ano54a, Ano54b, Ano54c, Ano54d,  
 Ano55a, Ano55b, Ano55c, Ano55d, Ano56f, Ano56g, Ano56h, Ano56i].  
**Notion** [MP71a, Vaz12]. **Notions** [GMV86]. **Nowhere** [GKS17, SSV22].  
**NP** [AR05, AS98, AM20, Bak94, Coo03, GJ78, GPP<sup>+</sup>19, GMW91, Got95a,  
 GMS09, GI79, GSV84, HHR97, HL13, MS19, Mul11, MR08, R6c84, dMRST20].  
**NP-Complete** [Bak94, GI79, R6c84, GPP<sup>+</sup>19]. **NP-Completeness**  
 [GJ78, MS19]. **NP-Hard** [HL13, AM20, GSV84, MR08, dMRST20].  
**NP-hardness** [GMS09]. **NQL** [Sch78]. **Null** [Rei86]. **Number**  
 [Abe68, AAI69, AM85, ADH63, AM78b, Ben80, BKST78, Boy89, CLRS86,  
 CH86, CH88, CM67, DL19, DJM<sup>+</sup>20, GR20, Gra63, GSK59, Gre61, GI79,  
 Har63a, HD64, Kan65, Ked79, Kon24, Kro64, LV57, LP73, MM65, NR04,  
 Rot60, SKM18, ST74, Smi71a, TRA71, Van67, Wan74a, Wes67, Fus90].  
**Number-Theoretic** [GI79, NR04]. **Numbers**  
 [Cer58, Cha69b, Cov60, FL74, Hab70, Hen56b, KR93, Loi69, MP66b, Mos54,  
 Pen65, Pic64b, Sch68, Sto64a, Tez87, BT07]. **Numeric** [Chu81, Sar83].  
**Numerical** [And65a, ABV60, Boo65, Bui79, But65, CBHH61, CW67, Cas75,  
 Cas76, CM61, Col58, Cra54, Cru76, Cry67, Dou59, DA68, Ehr58, Ema63,  
 Fli60, Fra58b, FR63, Gil60, Gla65, Gra55b, Her74, HW67, HJ61, Hou56a,  
 Jon62, Kro67, Kro73, MY84, Mil73, Mil75, MR59, MR60, MR62, Moc71,  
 Mor59, Mor62, Orm61, Phi62, Rab66, Rah69, Ske79, Spr92, Sta56, SW68,  
 Two63, Usm66, Wee66, Wer79, Wil59a, Wil71]. **Numerically** [CLW95].

**O** [CAA74]. **obfuscating** [BGI<sup>+</sup>12]. **Obfuscation** [BV18]. **Object**  
 [AK98, KLV95, VVAG97, Yak76, BN05, BY96, FG10, ZS99].  
**Object-Creating** [VVAG97]. **Object-Oriented** [KLV95, BN05].  
**Objective** [CaKMTM19, Phu76]. **Objectives** [Doy23]. **Objects**  
 [AI16, CRR18, CD87b, Com68, AGMT95, FKL98, JCT98]. **Oblivious**

[AKL<sup>+</sup>23, BPP<sup>+</sup>16, CCMS22, Goo11, SDS<sup>+</sup>18, GO96]. **Observation** [Ber75]. **Observational** [AGHR17]. **Obstacles** [RS94a, SR94]. **obstruction** [AGHK09]. **obstruction-free** [AGHK09]. **Obtain** [Cla79, Col87]. **Obtaining** [Glu63, HR63b, HR63a, Mon68, Pet62]. **Octave** [Neg66]. **Odd** [CSSS20, RMK79]. **Odd-Even** [RMK79]. **Off** [AGPV90, BKT67, Dal73, Dou59, KT68, PU89, Pip78, Rei80a, BPC<sup>+</sup>12, BSSV03, CS99, KL70]. **Off-Step** [BKT67, KT68]. **Office** [BB61]. **Offs** [DEL80, Ja<sup>'</sup>83, Sav84, Adl05, DI05, HMR83, LT82]. **Ogden** [BM82]. **old** [Bro03]. **Omega** [MC87]. **On-Line** [BB95, BLS92, ES81, GS78a, LL85, Man75, MS92, AAF<sup>+</sup>97, CDRS93, DGS01]. **Once** [AHK93, BCFC<sup>+</sup>23]. **One** [BHT18, BS76, CIV88, Coo66, FNFSZ23, Fis65a, FLP85, GGH67a, GH68, Ham69, HS71, Har68, HHPW14, KT74, LP15, Lip57, Neg66, Sel72, SL15, SEY15, Yer65]. **One-Counter** [SEY15]. **One-Dimensional** [Fis65a]. **One-Normal** [Coo66]. **One-Pass** [Sel72]. **One-Plus-One** [Lip57]. **One-Point** [KT74]. **One-Register** [BS76]. **One-Shot** [HHPW14]. **One-Tape** [Har68]. **One-Third** [Neg66]. **One-Way** [BHT18, CIV88, FNFSZ23, GGH67a, GH68, HS71, LP15]. **Online** [ABL<sup>+</sup>22, AP95, BHR19, BSZ06, CS11, CvH65, DJSW19, DHL<sup>+</sup>20, FHTZ22, HKT<sup>+</sup>20, MSVV07, NR09, Sei02]. **ONR** [Neu54a, Neu54b, Neu54c, Neu54d, Neu55a, Neu55b, Neu55c, Neu55d]. **Ontology** [BKK<sup>+</sup>18]. **Ontology-Mediated** [BKK<sup>+</sup>18]. **Open** [BCMP75, GS76, GK58, Win82, Red03]. **Operating** [SM64]. **Operation** [Cof69a, Cof69b, Heh77, MC74, Sch64, Wee62, HK99]. **Operation-Preserving** [Wee62]. **Operational** [HK55, RV80, RZ19]. **Operations** [Ata94, BK77b, Doy62, EV57, Erc60, GR63a, KW66, Oli67, Par55, RP66, Skl70, Wis54, AD01, Cha01, FV02]. **Operator** [Con72, Flo63, Hue71, Hue73, Hue74, Jon62, TW79]. **Operators** [Lom61, SY80, Tal69, HLNW01, RSG05]. **optical** [ABNC<sup>+</sup>96]. **Optimal** [AAJS17, ABC17, AG17, ADU71, AJ76, ADK17, AGPT16, AKL<sup>+</sup>23, ACW91, ACK08, BILW20, BZ23, BH89, BBBL95, BL79, BCH<sup>+</sup>96, BGH<sup>+</sup>95, Boj84, BLS92, BEGY22, BL75, BFGL79, CCF88, CGL<sup>+</sup>23, CE92, CF12, CJLW22, CS88b, CD94, Cun85, DDFS14, DL07, DJSW19, DM81, DMOZ22, DRY16, DFN<sup>+</sup>24, ES17, ES15, Elk20a, FGL77, FK16, FB72, Fri73, GNP20, Gal95, GJ76a, GS21, GL88b, GHLL22, GS16, GX22, GLW70, Hor78, HT24, HPZ24, HY77, IK74, ILG87, Ker71, KN81, KL95, KA88, KT74, LH90, LS11, Laz84, LP79, LS87, LS88, Leh74, Man79a, Mor62, NS80, NPRR18, PTW88, PGE75, RS66, RS67, Riv78, RY91, SKM18, SU70, SL71, SL15, ST87, Sta70, TT85, Tar08, Tar83, TW84, TWS80, TS81, TG82, VK96, Wil91, Yao85, AGH00, AMN<sup>+</sup>98]. **optimal** [ABDH<sup>+</sup>20, BN23, CKOR14, CPSZ21, Cha00a, CC04, CHL01, FGMS05, Hås01, KP02, KLM19, PR02, SVV09, NV95]. **Optimality** [Bol79, DP85, FB72, Pap79a, Rei72, Tay93, Yi12, YW73, OOW99]. **Optimally** [FL74]. **Optimisation** [WSY<sup>+</sup>19]. **Optimization** [AV88, AG73, BRS22, BFGP20, Bea72, Bea73a, Bea73b, BMR97, BG77, BR15, BEL21, Ear74, Fai85, FMP<sup>+</sup>15, Fra69, FT87, GMSV93, HM13, HS90,

JNG<sup>+</sup>21, MS18, RC70, Rot70, Shi69, You77, BFG03, CHW12, SSS96].  
**Optimized** [Den61, GC65, GG61]. **Optimizing** [BCFC<sup>+</sup>23, Gor56, ILP97].  
**Optimum** [CCF84, Chu65, Cra57, GM79, Gel79, KR89, MBM89, Wol65].  
**OptORAMa** [AKL<sup>+</sup>23]. **OR-dispersers** [SSZ98]. **Oracle**  
 [BFM<sup>+</sup>19, DHL<sup>+</sup>20, KMR95, RT22, CGH04]. **Oracle-efficient** [DHL<sup>+</sup>20].  
**Oracles** [BBS86, CGL<sup>+</sup>23, LS86, Tho04, TZ05]. **ORAM** [SDS<sup>+</sup>18]. **Orbit**  
 [COW16, Dye68, KL86]. **Order**  
 [AM90, AAJS17, BKMZ15, BDK24, CBHH61, Che17, CR56, Con57, Cra54,  
 Cra57, Erd66, Fis56, FLO83, Fro61, Gab16, GW23, GKS17, Gru70, HN84,  
 Kob13, Kro66, KT74, LGT14, Man69, MG93, MM75, MR62, Mow67, MP71b,  
 NM90, Pet15, Pic64a, Pie73, PZ19, Rei80b, Wer79, van72, BG98, BLSS03,  
 BKL<sup>+</sup>06, DKT13, EGG00, FG01, GKS04, JR07]. **Ordered**  
 [BG98, BGdM<sup>+</sup>24, Fai85, MY79, AT07, BG01, SS06a]. **Ordering**  
 [BZ14, CDPP23, EBA72, MB83, Rei71, Ros71, Sla72b, WH73]. **Orderings**  
 [BD94, JR07]. **Ordinal** [BY73, Sri76]. **Ordinary**  
 [BGP17, BKT67, Bui79, But65, Cas75, Cas76, Cha62, DG71, Gla65, Gra55b,  
 Ham59e, Kro67, Kro73, MR62, Mor62, Pic64a, Rah69, Rah70, Usm66].  
**ORDVAC** [You55]. **Organization** [CLRS86, EV62b, GS69, HY84, KMW67,  
 Low68, Moc56, Pea69b, Win65b, EV62a]. **Organizations**  
 [Gau59, Gau60, WC74]. **Organizing** [AM78a]. **orientable** [DL07]. **Oriented**  
 [Gra62, KLW95, Nev74, Rob65, Wan93, BN05, GJS12]. **Origin** [DK65, Li59].  
**Orphan** [HLMW92]. **Orthogonal**  
 [AF58, Bro65, Cha90a, Cha90b, CEG86, Fre81, You67]. **Orthographic**  
 [Wei66]. **Orthologic** [RS00]. **Orthonormal** [Rab66]. **Orthonormalizing**  
 [DR54]. **Oscillating** [Sob62]. **Other**  
 [BBE70, Boo82, Ehr73, GK84, JK78, VV17, Aro98, Gro07]. **Out-of-Kilter**  
 [Sin86]. **Outerplanar** [BJM79]. **Outline** [Hol62b]. **Outlines** [Hob93].  
**Output** [Cof69a, Cof69b, Fer60, Gil66b, Hof77, HR63b, HR63a, Leh74, MS59,  
 SM81, DK59]. **Output-Buffer** [Hof77]. **Overdetermined** [Abd71, GLH57].  
**Overflow** [EV57, Erc60]. **Overhead** [LS71]. **Overlap** [CAA74]. **Overview**  
 [HH71]. **owned** [DR00]. **Ownership** [BN05].

**P** [Coo03, Mul11, SEY15]. **P-Time** [SEY15]. **P.** [ZY03]. **Package** [Wei66].  
**Packet** [FGL77, Paw80, Tob82, Upf92, Adl05, AFGZ05, BFU01].  
**Packet-Routing** [Upf92]. **Packing**  
 [GR20, HM85b, LL85, RT88, Yao80, CJK<sup>+</sup>06, GG13b, Sei02, XB06].  
**Packings** [MTTV97]. **PACT**  
 [Bak56, DL56, GM56, HS56, MO56, Moc56, Ste57]. **Page**  
 [ADU71, FE76, SMC79, OOW99]. **Paged** [Cof69a, Cof69b]. **Pagenumber**  
 [HI92]. **PageRank** [SGP11]. **Paging** [AS13, BBN12, FW74, IK74]. **Pair**  
 [HB21, Liu69, Val15, Yeh68]. **pairing** [Fre99]. **Pairs**  
 [Fre91, PS78, DI04, PSSZ13, Zwi02]. **Pairwise** [Cha16, KT02].  
**Pairwise-Independent** [Cha16]. **Palindrome** [Man75]. **Palstar** [GS78a].  
**pants** [DL07]. **Paper**

[BCPW74, Bui77, CM57, For16, Gol60, HWB56, Nag61, dV59]. **Paper-Tape** [HWB56]. **Papers** [Gra77, O'C65, Ano79]. **Parabolic** [Con57, Cra54, Cra57, DG62, HW67, Zaf70]. **Paradoxes** [KP02]. **Parallel** [AP93, AM94, AGK<sup>+</sup>17, ACW91, Ata94, BL90, BLT93, BMPT91, BW91, BKS17, BHH23, Bre74, BDFG19, CW67, CN95, CHK82, CR86b, CD94, DVSC77, DR00, Fal62, FT88, FKR19, FL18, GP83, Gal95, Gen78, Gil68, Gol82, GS85, GK84, HW90, HP90, HRS88, HST76, HT24, HK77, ICR87, JMG93, Joh87, KU88, KW85, KZ93, Kel73a, Kel73b, Kun76, LF80, LL78, LR79, LY89, Meg83, MC87, MP76, NS80, NS82, NT93b, Nic93, NV95, Pea67, Pea68, Rei68, RVW18, SK78, SS79, Sch61, Sch66, SL71, SR71, Sto73, TNS82, Uf84, ÜD90, Wag97, Win75, Yao82, AGL00, BL04a, Cap02, CHL01, GK96, HHR97, KZ98, KMPS09, Spe97, YCW99]. **Parallel-Connected** [HW90]. **Parallel-Correctness** [AGK<sup>+</sup>17]. **Parallel-Search** [Fal62]. **Parallelism** [BGSS20, Kel73a, Kel73b, Log79, BGM99]. **Parallelizable** [EFKP22]. **Parameter** [Pet62, CLL<sup>+</sup>08]. **Parameterized** [BBE<sup>+</sup>21, EGM16, FLPS16, Lin18, SLM19, DFHT05]. **Parameters** [DDFS14, Win71]. **Parametric** [Gus83, LR77]. **Parametricity** [OT95, SH21, TTS21]. **Parametrization** [Ehr82]. **Paraphrase** [SGRR75]. **Parenthesis** [Lyn77, McN67]. **Paris** [Ano98b]. **Parities** [Val15]. **Parity** [Cal61, Raz19, BKW03, KK13]. **Parsers** [GM80]. **Parsing** [ADU72, BW94, Ber75, CHK82, HH74, NB96, Sha70b, Lee02, NS06b]. **Part** [CDPP23, BNR13, BN13, BB64, BW57b, BW57c, CB72, Dun66, Lam86a, Lam86b, Mae60, MR60]. **Partial** [AAJS17, Bra67, CN95, Cra54, Cra57, Cry71, DLS88, Esc60, Fis56, FP86, Fre82a, Gla65, HS19, HW67, JM60, LS81b, Sla72b, Zaf70]. **Particularly** [EV57]. **Partition** [EW75, Mul91, GJ12]. **Partitioning** [AM78b, AAI86, BSP82, Kir81, LGT14, Pea69a, PS81a, SKM18, Sto70, ARV09, BLR10, KRV09]. **Partitions** [HS74, Ker71]. **Parts** [Mae63]. **Party** [CYZG14, GHKL11]. **Parvaresh** [GUV09]. **Pass** [Sel72]. **Passes** [EF89]. **Passing** [ABND95, WH80]. **Passive** [dV71]. **passwords** [KOY09]. **Past** [NR94]. **Path** [ADF<sup>+</sup>16, AMOT90, AKS15, BMPT91, BP23, Bra78, Gre73, HP59, Joh73, KW89, Llo82, MR87, NW73, OR90, SDS<sup>+</sup>18, Tar79, Tar81a, Tar81b, Wag76, Wai67, WW18, Yel75, HRM02, JR07, TV19]. **Path-Connectivity** [Yel75]. **path-merging** [HRM02]. **Paths** [APY91, BG77, CL16, DP22, EHR84, Elk20b, Fre91, HKN18, Joh77, MP91, MR93, OV23, PS78, RS94b, Rub74, SV19, Shi80, SR94, Wan23, WW73, Yen72, AHPSV97, AMS05, AZ06, BS88, Coh00, DI04, PSSZ13, Tho99, Zwi02]. **PATRICIA** [Mor68a, Szp90]. **Pattern** [Alt62, AM82, Ble66, Doy62, DW64, DGM94, Gol82, HO82, Kel61, MF63, Mye92, RR92]. **Pattern-of-Calls** [AM82]. **Patterns** [BLR14, CMNP18]. **Payment** [BKS15, Sal60]. **Payoff** [CV17]. **PCF** [EPT18]. **PCL** [BDFG19]. **PCP** [Dim07, MR10a]. **PCPs** [BSKK<sup>+</sup>16, GS06]. **PDAs** [GF80]. **Pebble** [LT82, Rei80a]. **Pebbles** [DHK19, Kla85]. **Peer** [Kon24]. **Pell** [Hal07]. **Percentiles** [She57b]. **Perceptrons** [Kel61]. **Perfect**

[AI16, AV20, CKN18, DJM17, GK88, Hsu87, Hsu88, RT88]. **Perfectly** [DDWY93]. **Perform** [Win65a, Win67]. **Performability** [dG89]. **Performance** [BW91, DI87, FW74, FB72, Gau59, Gau60, GM73, MY79, Nel87, NT93b, Rao78, Rus82, RT90, TSG85, TRA71, TPH86, Vit83, Weg76, Wig83, Wil77, AAF<sup>+</sup>01, WR03, GM75]. **Period** [AM78b, BN71, NBC72, KLOW00]. **Periodic** [BB58, CM93, DPRS89, GF67, GB69c, GB70]. **periodically** [GE01]. **Periodicity** [HN07]. **Periodification** [KLOW00]. **Periods** [Dad88, Fit60]. **permanent** [JSV04, Raz09]. **Permutation** [BM92, EPL72, Fra76, KS74, MV15, NS82, Wak68a, Wak68b]. **Permutations** [Ehr73, HP99]. **Permuting** [GK84, PMH09]. **Persistence** [CGOS13]. **Persistence-Based** [CGOS13]. **Persistent** [DST94, LR78]. **personalized** [AT10]. **Perspective** [KSG68]. **Persymmetric** [HC72]. **Perturbation** [Gla91, Sur87]. **Perturbed** [RW88]. **Petri** [CLL<sup>+</sup>21, DG84, Koc23, LR78, MM81]. **PH** [RT22]. **Phase** [BS85, GS21, ILP97]. **phenomena** [MPR98]. **Phenomenon** [GR73]. **Philadelphia** [Hou56c]. **Phrase** [BM62, Gre65]. **Physical** [HRS88, BEP09]. **Physics** [Ber54, Yao03]. **Pi** [ABF17, PS00]. **pi-calculus** [PS00]. **Picture** [HP76, RP66, Sel72]. **Pictures** [AT71, Hue71, Ros70b, Ros73b, Sha70b, SR71]. **piecewise** [VY11]. **piecewise-linear** [VY11]. **pigeonhole** [Raz04]. **PILOT** [LNSW59]. **PIR** [DG16]. **Pivot** [Mul78]. **PL360** [Wir68a, Wir68b]. **Place** [WSY<sup>+</sup>19, FG05]. **Place-dependent** [WSY<sup>+</sup>19]. **Placement** [CCF88, GS73, Mam66, MW78]. **Planar** [AV20, Bak94, BHM11, CGL<sup>+</sup>23, CK95b, DJM<sup>+</sup>20, DEG<sup>+</sup>21, Fre91, Hsu87, Hsu88, Joh87, KPS19, MP91, Mul91, PB89, BKL<sup>+</sup>06, BK09, Cha01, Tho04]. **Planar-Adaptive** [CK95b]. **Planarity** [Deo76, FT22, GR79, HT74, Kna75, Len89, GIS99]. **Plane** [CE92, Hod70, Rub22, SR94, Wan23, Wei66, Wil78, YUKY17, HW04]. **Planes** [FPPR22]. **Planning** [DXCR93, RS94a, San69, BLMS97]. **Plans** [BJP59]. **Planted** [FGR<sup>+</sup>17]. **Plate** [AC55, CD60, Was54]. **Plausibility** [FH01]. **Player** [HMZ13, PM71, CDT09, PR08]. **Playing** [Ber63, DDST16]. **Pliability** [RWZ23]. **Plotting** [Bas58]. **PLS** [FGHS23]. **Pluralism** [Smi82]. **Plus** [EV62a, EV62b, Lip57, Mac66]. **PODS** [LV09, VV09]. **Point** [Abd71, Alo60, AM59, ACW91, BG77, CK95a, CO84, CF59, ER80b, HW67, JMMW79, KL73, Kei56, KT68, KT74, LM86, Mol67, OD67, RW23, Tsa74, Wad60, AF03, CD08, FKL98, Gro12]. **Point-Disjoint** [BG77]. **point-to-point** [FKL98]. **Pointer** [ABB<sup>+</sup>17, GK96]. **Pointers** [BAG92]. **Points** [BG77, BKT67, BL66, GS69, JNG<sup>+</sup>21, AHPV04]. **Poisson** [BH65, Hoc65, Laa58a, SB82]. **Polarization** [BGN<sup>+</sup>22]. **Polarized** [CM74]. **Poles** [Sti65]. **Policies** [BJP59, Glu63, MT19, NT93b, PTW88, Yan82, LW08, MSU99]. **Policy** [BGH<sup>+</sup>95, Leu93, One75, Rus82, Sal69]. **Polling** [KM74, Swa80]. **Poly** [HdLT01]. **Poly-logarithmic** [HdLT01]. **Polyadic** [GB69a, GB69b].

**Polygon** [ACW91, LP79]. **Polygonal** [AAI86, SR94]. **Polygons** [AHPW19]. **Polyhedra** [CH79, BS88]. **Polyhedral** [GML15, IKM17, AMS05]. **Polylog** [Coh00]. **Polylog-time** [Coh00]. **Polylogarithmic** [AACH12, AACHE15, AACHE18, BBMN15, BE11, BFGY19, Bra10, CL16, HK99, SSZ98]. **Polylogarithmic-Competitive** [BBMN15]. **Polymorphic** [JR07, Lai13, OR00, PS00]. **Polynomial** [AFN04, Aro98, BBS86, BZ23, BLQT22, BC61, BGP17, Bro71, CD87a, CC16, CK09, CM93, Col67, Col71b, CKV90, CDW21, CF59, DV14, DFK91, ET76, FL88, FLS18, Fra65, Fri73, GSH89, GNP<sup>+</sup>93, Gat83, GP18a, Hal07, HMZ13, HVL17, HvdH22, Hei71, Hen70, HW76, Hom87, HS75, Hor75, KB89, Kam89, Kan80, Kan83, KL86, KS16, Ko90, KMRZS17, KM20, Lad75, Leh61, LS80, Lic23, LS24, Mát90, McC73, Mey84, Moo67, Mou65b, Mus75, Mus78, OV20, OR02, PW93, Sch80, ST74, Shi80, Smi70, SEY15, VV63, Yan85, Gro12, HP99, IFF01, JSV04, Raz09, RS09a, ST04]. **Polynomial-Space** [LS80]. **Polynomial-Time** [BBS86, CM93, CKV90, DV14, FL88, FLS18, HW76, Kan83, KL86, Ko90, Mát90, AFN04, Hal07, OR02, JSV04]. **Polynomiality** [GR20]. **Polynomials** [AF58, BSV20, Boo65, COW23, FT88, Kal88, Rab66, RC86, Spi61, Wil78, You67, BBC<sup>+</sup>01]. **Polytope** [GML15, Rot17, AHPSV97, LZ01]. **Polytopes** [CK70, FMP<sup>+</sup>15, OST22, HKM12]. **Population** [GS21]. **Posets** [FK16]. **Positive** [AG87, But78, CS84, AT11, Tho99]. **possibility** [BGI<sup>+</sup>12]. **Post** [AF67, BB61, Hoo66a, Hoo66b, WM74, Yas67]. **Posteriori** [Tsa74]. **Postman** [Fre79]. **Potential** [CK95a, San96]. **Potentiometers** [HA56]. **Potts** [GJ12]. **Power** [ADO21, ABL17, BCP20, BK78, CIV88, DH94, DS92a, Gau64, Hen56a, HH94, Iba77, KRR22, KKG<sup>+</sup>22, Min57, PT12, Smi82, Spi61, dV59, ACKM09, BDLW98, GK04, MSU99, SRM97]. **power-law** [ACKM09]. **Powerful** [Gur85, Jez16, KP00]. **Powers** [Nip90]. **PPAD** [FGHS23]. **Practical** [Fik59, HS87, Mad66, Mor68a, Sho79, Sta72]. **Practically** [ACHS16]. **PRAM** [BH89, CD94]. **Pre** [KNP<sup>+</sup>24, Osb60]. **Pre-** [KNP<sup>+</sup>24]. **Pre-Conditioning** [Osb60]. **Precedence** [ADU72, Col70, Flo63, GH73, Har60, KY83, Mar59, MP72, TPH86]. **Precedence-Based** [TPH86]. **Precision** [Bla55, Bre76, Cha66b, YS76, YLS82]. **Precondition** [KKMO18]. **Preconditioning** [SS17]. **Predicate** [Hoa78, Man69, Sla70, VK76, van72]. **Predicates** [KS66]. **Predicting** [CEG86]. **Prediction** [BAL<sup>+</sup>21, CW67, Kon24]. **Predictor** [Alo60, Cha62, CK65, GS64, Ham59e, HC63, Kar68, Kro66]. **Predictor-Corrector** [Alo60, Cha62, CK65, GS64, Ham59e, HC63, Kar68, Kro66]. **Predictors** [KT67]. **Preemptive** [BBD<sup>+</sup>15, CG93, GS78b, GJ80, HLS77, LL78, Mar82, MC70]. **Preference** [CMT20]. **prefetching** [VK96]. **Prefix** [BP89, LF80, PGE75]. **premises** [BG96]. **Premium** [Wis54]. **Preparation** [Sco58]. **Presburger** [Sho77]. **Presence** [ADLS94, DLP<sup>+</sup>86, DLS88, GGV<sup>+</sup>24, GE84, LMS85, PSL80,

RS94a, BFG08, CBDF<sup>+</sup>99, DW04, FL02]. **Presentations** [Ros70a].  
**Preservation** [GU66b, ADK06, Ros08]. **Preserve** [GR63a]. **Preserved**  
 [Gin60]. **Preserving** [Bav68, CK15, KLM<sup>+</sup>97, Rag03, Ram88, Wee62, Zei72].  
**Presidential** [Car57, Hou57, Hou56c]. **Pressburger** [SJ80]. **Prevention**  
 [BCLM56]. **Price** [GT23, JL23, Rou15]. **priced** [CL11]. **Pricing** [KUB<sup>+</sup>15].  
**Primal** [AK16, BBN12, Mul78, Nip90, ST73, DPSV08, JV01]. **Primal-Dual**  
 [AK16, BBN12, JV01]. **Primal-Simplex** [Mul78]. **Primality** [AB03, GK99].  
**Prime** [DP75, Smi71a]. **Primes** [DP75, Fis65a, Fra61, HS68]. **primitive**  
 [AK98]. **Primitives** [Kor83, Sta82]. **principal** [CLMW11, Hal07]. **Principle**  
 [Lee72, Rob65, HKM12, Raz04]. **Principles** [ADU71, Ano79, Gra77, HJV01].  
**Priori** [EC64]. **Priorities** [Adi69, RA76]. **Priority** [Adi71a, Bab75, DLT07,  
 FP94, KK74, Leu93, NT93b, Sim84, Cha00a, MSU99, Tho07]. **Privacy**  
 [CKOR14, DJW14, HKM<sup>+</sup>22, BLR13, EFW10, FGY00, JRS09]. **Private**  
 [ABL<sup>+</sup>22, CKGS98]. **Probabilistic** [AAHK94, AS98, BGB12, BZ23, BKK14,  
 CHJS15, Con91, CM78, CY95, EPT18, Ell72, FKK11, GG78, GL22, IM83,  
 Kar94, Ko90, KB81, MT85, MK60, MW84, NS06b, Pit89, Rac82, Sch80, SS24,  
 SEY15, Adl05, CSV07, DS12, HP07, MPR98, RSG05, Tar08].  
**Probabilistically** [Kam89]. **Probabilities**  
 [AM80, CR86a, EC64, ME67, Wei62, ALS09]. **Probability**  
 [AFR19, CC67, FH94, FH98, Gav67, GL71, HT93, OD67, She65a, She65b,  
 Wil70, YW73, PSSZ13]. **Probe** [Gon81]. **Probing** [BBS90, MY80, PK87].  
**Problem** [AF67, AAM22, AHU76, AMOT90, BGP84, BMPT91, BBN15,  
 BJ66, BMT92, Bel62, BH74, BBE<sup>+</sup>21, BCS92, BEF<sup>+</sup>21, BN62, BM84, Bre70,  
 BC73, Can62, CG70a, CF12, COW16, CD60, Co066, CNP85, CH84, Cur63b,  
 CLL<sup>+</sup>21, DDFS14, Den58, Di 69b, Di 73, Dil89, DST80, DM62, DG57,  
 ER80a, Ehr58, Ell72, EG82, ET76, ES81, FOS14, Fei84, FN93, Fre83, Fri63a,  
 GM79, GG78, Gav83, GS57, Gil63, Giv57, GT88b, GHS75, GYY80, GF80,  
 Gri68, GHLL22, GI79, GI81, Gus83, Har76, HRS88, HW76, Hir77, HP59,  
 Hoo66a, HS74, Jaz81, Joh71, Kan80, KL86, KW85, KIM81, KR77, KS75,  
 Kur62, LSP82, Lam83, Lam86a, Lam86b, Lin18, LR81, LW75, MM81, Men65,  
 Mey84, Mic76, MP91, Moc71, MS16b, Net59, Oya87, Pag74, PW93, PB89].  
**Problem** [QH68, Rei80a, RKN75, Sah75, San69, Sch74, SM90, Shi80, Spr92,  
 STV20, Tai79, TW61, TTK66, TS74, Tsi70, Ukk82, Val15, WF74, WC74,  
 WC76, Wri75, Yao82, You55, Zaf69, AZ06, BFJ<sup>+</sup>03, BKW03, Bul13, CLL<sup>+</sup>08,  
 DGS01, GG13a, Hal07, KS96, Kho05, ORSS12, SV03, Sei02, SS06c, SM02].  
**Problem-Solving** [EG82, QH68]. **Problems**  
 [AIK84, AC23, ABS15, AK84, BIKK18, Bak94, BK14a, BH89, Ber54, Ber63,  
 BHR84a, BMM18, BR23, BH65, BR54, BCLM56, Chi86, CM61, CADMD21,  
 Col58, CC95, CKV90, Cry70, Cry71, Cud70, CFG<sup>+</sup>17, DJSW19, DH56,  
 Dun65, Dun66, EC68, EK72, Ehr59, EF75, Esc60, FMS97, Fre79, FG79,  
 GT91, GMSV93, GL71, GR63b, GC65, GH72, Gur85, GSV84, HPR15, Har57,  
 HH63, Har69, HZ80, HL13, HM85b, HS86, HS87, HJ61, Hou58a, Hsu88,  
 HR77, HS78a, HS78b, Hun82b, Hun84, IK75, Iba78, IL83, IRT78, Ja'83, Ja'84,  
 KLM19, Kan83, KV15, Kir81, KS74, KNY19, Kou77, Laa58b, LM94a, LO85,



LR65, LR77, LZ77, LY94, Mai78, MS18, MT85, MS11, McC03, Mey88, MS21, MTZ60, Mot94, NJ57, PY82, Ram80, RWM94, RP89, RKN75]. **Problems** [Rot70, SG76, Sav84, Shi69, Sla63, ST72, TNS82, Tar81a, Tar81b, Usm66, Val75, Was71, Wil91, WW18, Yan79, AS04, AR05, Aro98, ALM<sup>+</sup>98, BSSV03, BK10, Bul06, CK09, GW95, GG13b, Gro07, GMS10, HLP99, Hoc01, JV01, KT02, KPR04, KSS10, LMW02, Lib01, MGLA00, Red03, Ste03, Val03]. **Procedural** [Ros79a]. **Procedure** [Bar60, BV84, Ber73, Com68, CR56, DP60, FLSY74, Fri62, Fri63b, Gin67, GH59, KT69, Kow75, LR77, Lov69a, Mad66, Mat81, Men19, Mou65b, PPV60, Rub74, Sch61, Sha70a, Sho79, von56, NOT06]. **Procedures** [Aki70, And66, And65b, Blu71, Cas76, GR60, Har64, HC63, Joy76, JM60, LW93, LW57, Lom62, Luv72, Mac57, Mae60, Mos58, NO80, Sla64, Smi84, Sri76, Wun67]. **Process** [Bar60, BN71, BJL<sup>+</sup>82, Car58, FLP85, GGG<sup>+</sup>17, Gra63, Smi79, BGJ10, MGLA00]. **Processes** [Apt83, BBK93, Bau58a, BR71, BHR84b, CDP14, EY15, GS92b, Koc23, MM79, She59a, BP01, CSV07]. **Processing** [BLT93, BW91, BKS17, Blu58, Bry82, CW67, CN95, CAA74, Fox70, GHG60, GM61, HB21, HM85b, Imi91, Kle66, Lom62, McG59, NT93b, Oet57, Orm61, Pap87, Pea67, Pea68, PGL76, RS66, RP66, SL68, SS79, Tre54, GHS09]. **Processor** [AK84, CMT70, CG93, FMI80, Gab82, GS78b, HY75, KM72a, Kne93, Llo82, Pri76, SC80]. **Processor-Sharing** [CMT70]. **Processors** [DJ81, FK85, GJ76b, Gen78, GK84, HS76, IK77, KA88, LL78, Pea69b]. **Produced** [Boy89, Two63]. **Producing** [MO56]. **Product** [BKK84, CHT77, CM83, CM96, DLN73, DHM65, HM13, Jai15, McK87, SB82, Wee65, Wee67, dL89, Noe79]. **Product-Form** [CM83, CM96, McK87, SB82, dL89]. **Production** [Man67a, Mel56]. **Products** [Erd66, Kam89, Mor97]. **Program** [AGOW66, Ber63, Bra78, Bra67, BM62, BGGR23, Cha75, CB72, ER64b, Fri63a, GGV<sup>+</sup>24, Gor56, Gus83, HC88, HR63b, HR63a, HOPW23, Hun82a, Hun84, Kel73a, Kel73b, Log78, Log79, Lov77, Ram88, RD81, Rut64, Sch74, SFR68, Sla63, SB68, Smi82, SH21, Sum77, Tit55, TG82, Wan80, Weg76, DNS05, DPSV08, EKL10, Vaz12]. **Programmability** [Por66]. **Programmed** [Boy57, Ros69, MS59]. **Programmiers** [Row57]. **Programming** [AM94, Ano79, AV82, BNNS94, BHK59, Bel60, Bel62, BS59, Bon70, CK79, Cla79, Cla95, CC95, CB72, DEL80, EC68, ER64b, EGGI92a, EGGI92b, Fei84, FN93, Fox70, Glu63, GMM81, GB92, GB65, Gor57, GLJT23, Gra77, Gra62, Har76, Hel89, Hol62a, Hun82a, Kan80, Kan83, KH64, KB67, LS11, LL78, LR77, Lip57, McL65, Meg84, Mer57, MH82, MTZ60, Nev70, Pap81, Rem81, Rut55, Sch61, Sri65, Sri76, SR60, SS24, Til58, TS74, VK76, Wir68a, Wir68b, YL57, Yer66, GW95, KMS98, Lai13, Mye99, SS06b, Sku01, GK59]. **Programs** [AP93, ADH15, AK16, ADO21, BL90, BL79, BK95, BKK14, BIZ18, BD77, Cha66a, Cha69a, Cha69b, CLS21, Deb92, GMSV93, GJL21, GI81, Gur85, Heh77, HL76, Hog81, IM83, IL83, Isr57, JM77, JM78, Kal88, Kob13, Kow79, Lee61, Man69, MP70a, Mat81, Pag74, Phu76, RV80, RS66, RS67, Ros94, SD69, SJ80, Tsi70, Weg88, Wei66, You77, vRS91, AB05, BN05,

BGI<sup>+</sup>12, BV04, CW96, SS06b]. **progress** [Hal98]. **Projection** [Pyl64].  
**projections** [McC03, Pac10]. **Projects** [DRY16]. **Promise** [BBKO21].  
**Pronounceable** [LY61]. **Proof** [Apt83, ALM<sup>+</sup>98, BD94, BV84, BG15,  
 BM84, Cha70, CG93, Dav77, FLSY74, GMW91, GL70, GHJ<sup>+</sup>24, GP18a,  
 Haj83, Kow75, LFKN92, Mau69, MH89, PPV60, Raz16, Sha88, She92, SH21,  
 Zhu20, HN07, LMW05, MT10, OOW99, Raz03]. **proof-of-compliance**  
 [LMW05]. **Proof-Relevant** [SH21]. **Proofs**  
 [BD94, BB77, CHO<sup>+</sup>22, GMW91, GKR15, Häs21, HZ92, KRR22, MV15,  
 Nou83, RZR24, TC21, AS98, BSW01, BY96, FGL<sup>+</sup>96]. **Propagated** [Att57].  
**Propagation** [BCLM56, CF20, CMT20, CO17, Gra55b, MMW07]. **Proper**  
 [Di 73, Fik59]. **Properly** [BLQT22]. **Properties** [ABL80, AMP73, BBE70,  
 BKMZ15, Bol79, CLTZ18, Cha62, Coh64, DLT94, FHV92, Far63, Gin60,  
 GZ82, GKS17, Her90, Hib62, Hoa78, Hod70, Hue80, LR72, LR78, LW93,  
 Man69, MP70a, Mar13, Mon70, MP71a, MP71b, PS70, RS83, Ros68, Sel72,  
 VV17, WS76, BKL<sup>+</sup>06, Cap02, CHL96, DKT13, FG01, JCG97]. **Property**  
 [BB58, GGR98, KBI<sup>+</sup>17, KNY19, Set74, Set75, Toy87, dS58, JRS09].  
**Property-Directed** [KBI<sup>+</sup>17]. **Proposed** [Fis58]. **Propositional** [BK14b,  
 CH91b, HS91, Raz03, Raz16, Sag80, SDPF81, SDPF87, SC85, van72, EM07].  
**Prospects** [GV61]. **Protection** [San88, GO96]. **Protein**  
 [Sha67a, BER06, Shi10, XB06]. **protein-protein** [BER06]. **Protocol**  
 [Bra87, GKL24, SDS<sup>+</sup>18]. **Protocols**  
 [AGPV90, BT85, CJLW22, CMS89, GS21, HZ92, KS83, MS92, MS16a, TL95,  
 Aba99, AB05, AAF<sup>+</sup>01, BOG02, KKD04, MPR98, PD98]. **Provable**  
 [ADG15]. **Provably** [ADF<sup>+</sup>16, BGM99, LS95, You77]. **Provenance**  
 [GUK<sup>+</sup>16]. **Prover** [Win82, DNS05]. **Provers** [de 86]. **Provide** [Wil87].  
**providing** [BN01]. **Proving**  
 [And81, BM75, BBEG18, Cha70, FL88, GNRS92, Hen79, HR91, KBI<sup>+</sup>17,  
 Lov68, Lov69b, Lov69a, Nev74, Ove74, Pet76, Rob63, Sho77, Sla67, SB68,  
 Sla72b, Sla74, Sti73, Wan93, WS76, WRC65, WRCS67, Dix73]. **Proximity**  
 [BSCI<sup>+</sup>23]. **Prune** [HPR15]. **Pseudo**  
 [BB58, Boy89, BL66, Cer58, Cov60, Gre61, Gru70, HP72a, Mos54, Per56,  
 Rot60, Smi71a, Sto64a, TRA71, Van67, ANP<sup>+</sup>04, NR04]. **Pseudo-Boolean**  
 [HP72a]. **pseudo-circles** [ANP<sup>+</sup>04]. **Pseudo-Computer** [Per56].  
**Pseudo-Random** [BB58, Boy89, Cer58, Cov60, Gre61, Mos54, Rot60,  
 Smi71a, Sto64a, TRA71, Van67, NR04]. **Pseudo-Runge** [BL66, Gru70].  
**Pseudorandom**  
 [AM78b, CH86, CH88, KR93, Kro64, LP73, MV15, Tez87, Ind06, SU05, Tre01].  
**Pseudorandomness** [DMOZ22, IMZ19]. **PSPACE**  
 [JJUW11, Pla04, Sha92, She92]. **Psychological** [Row57]. **Public**  
 [DRY16, Tre54]. **publication** [Hal98, Hal02]. **Publications** [BJP59]. **pulse**  
 [DFSL14]. **Punch** [Ber54]. **Punched** [Per54, Was54]. **Punched-Card**  
 [Was54]. **punctuality** [AFH96]. **Purely** [Cul79, KT99, Ven87]. **Purpose**  
 [BW57a, DR54, GP83, ZL58]. **Pushdown**  
 [CV17, Col71a, Co071, Ukk82, Val75, HH94]. **Putnam** [NOT06]. **PV** [HZ80].

**Pyramid** [Kla85].

**QCSP** [ZM22]. **QIP** [JJUW11]. **QR** [CR86b]. **Quadratic** [AM85, FJ60, Phu76, Rub15, CDG<sup>+</sup>20, Sku01]. **Quadrature** [Gat83, LR79, Lyn69, Mor59, Ral59, Ric75, Two63, Wer79]. **Quadric** [Wei66]. **Quadrilateral** [KP71]. **Quadtrees** [Sam81]. **Qualitative** [BGG17, DFPP02, BT00]. **Quality** [ABK16, Nau83]. **Quanta** [PGL76]. **Quantification** [DP60]. **Quantified** [BBCP20]. **Quantifier** [BN23, PZ19, BR96, Bas99, KK13]. **Quantifiers** [Tor91]. **Quantifying** [RS09b]. **Quantile** [Igl76]. **Quantiles** [CKL<sup>+</sup>23]. **Quantitative** [RK23]. **Quantized** [MP71a, MP71b]. **Quantum** [AS04, BBC<sup>+</sup>01, BN79, BEG<sup>+</sup>21, BCM<sup>+</sup>21, Bro82, CGL<sup>+</sup>22, CCL23, CFGS22, CDW21, HM13, HZ16, MS16a, Unr15, YZ24, Zha21, ANTSV02, AKS12, Hal07, HMR<sup>+</sup>10, JRS09, May01, NS06a, RS00, Sho03]. **Quantumness** [BCM<sup>+</sup>21]. **Quasi** [Cry67, Mon68, Zel68, RS09a]. **Quasi-Euclidean** [Mon68]. **Quasi-Linear** [Cry67]. **Quasi-Newton** [Zel68]. **quasi-polynomial** [RS09a]. **Quasicyclic** [Han62]. **Quasilinear** [Sch78]. **Queries** [AGK<sup>+</sup>17, AHK93, BFGP20, BC81, BKK<sup>+</sup>18, CM87, CY82, ES17, Fre81, GS92a, GUK<sup>+</sup>16, GLVV12, HN84, Klu88, Mar13, Sag91, SSV22, ADK06, BL00, Cha10, CC04, Chi86, CNS07, DS12, FFM08, GLS01, GKS06, HPRW96, HKM<sup>+</sup>02, Kea98, SSS96]. **Query** [ABB<sup>+</sup>17, Bab16, BKS17, BSkk<sup>+</sup>16, Che17, CST<sup>+</sup>18, CdDPL<sup>+</sup>24, FFG02, Imi91, Klu82, KMRZS17, KUB<sup>+</sup>15, Rei86, Wil91, AK98, AL08, BDLW98, BLSS03, BKW03, GKPS05, Kif98, MR10a, NV02, Van07, Yek08, tCL09]. **Query-Based** [KUB<sup>+</sup>15]. **Querying** [BLR14, LMV16]. **Question** [Coo64, Koc69, Coo03]. **Question-Answering** [Coo64, Koc69]. **Questions** [HU68a, Koc69, Rac82, Win82]. **Queue** [AAI69, Adi71a, AHY73, Bab75, Cof69a, Cof69b, Del70, DJM<sup>+</sup>20, FP94, Kam82, Kne93, Kob74a, Laz84, LS71, MM84, Rid76, dL89, Cha00a, LMNM03]. **Queue-Dependent** [Del70]. **Queue-Length** [dL89]. **Queue-Number** [DJM<sup>+</sup>20]. **queued** [LMNM03]. **Queueing** [ADW68, BMT89, Bra77, CHT77, CM83, CK68, DLT94, Del70, HP72b, IW71, Kle66, KM72a, KT90, Kob74a, Kob74b, KR76, Leu93, Mae77, MC74, OM78, One75, PKT90, Ras70, TPH86, Van78, ZTX21, Noe79]. **Queues** [Adi69, Adi73, BCMP75, BKK84, Cho80, CI74a, FACP81, HM72, HB21, IS78, JMG93, Oma77, PTW88, RA76, SD83, Sim84, Tar72, Tho07]. **Queuing** [BL90, CM96, CLW95, CG86, DCKT92, ES86, GT23, Gla91, GM92, Haj83, HP90, Hof84, Lam82, McK87, MY84, RL80, RL81, RTW94, SB82, SM81, Sur83, Tow80, TW88, dL89, BKR<sup>+</sup>01]. **Quotients** [GS63].

**R** [Bui77]. **R**. [ZY03]. **Race** [BS89]. **Radio** [CD21]. **Radius** [LM86]. **Radix** [HI59, Mac66, Mat82]. **RAM** [AKL<sup>+</sup>23, SDS<sup>+</sup>18]. **Ramakrishna** [Mul11]. **RAMs** [DR00, GO96, PMH09]. **Ramsey** [BKS<sup>+</sup>10, KNY19, MSM85]. **Random** [AI16, ADH63, AP86, BYG08, BC93, BB58, BBS90, Boy89, Bsh93,

Cer58, CO17, CDRS93, Cov60, CM67, Di 69a, DFK91, ER64b, FPPR22, FJ60, Fus90, GS69, GW23, GGM86, GSK59, Gre61, HD64, KK13, KMR95, LWZ21, MM65, MY79, Mey85, Mol18, Mos54, Rei87, Rot60, SNPT13, SS79, Sch88, Smi71a, Smi84, Sto64a, TRA71, TRE73, Tra63, Van67, Wes67, Zha21, ANP07, Ats04, BV04, BEP09, CGH04, CFM10, GHS09, Hoc01, KT02, NR04, Ree03, Reg09, Vem10]. **Random-Access** [ER64b, MY79, Sch88, Tra63]. **random-sampling-based** [Vem10]. **Randomization** [ADG15, dG89, CSV09]. **Randomized** [AT11, BBN12, BDB23, BGSS20, Bra87, BGRS13, Goo11, HK99, KKMO18, KKT95, KR93, KZ93, MR98, MC87, TWZ23, Asp98, AC08, BSSV03, FHS98, VH06]. **Randomness** [BCM<sup>+</sup>21, MS16a, GUV09]. **Range** [AC23, Cha90a, Cha90b, CK65, Fre81, Gra63, WL85, CC04, HKM<sup>+</sup>02]. **Ranges** [MST93]. **Rank** [BSLRZ14, CMS20, CW17, Lic23, Lov16, Raz13, AM07, CKL13, CGL<sup>+</sup>22, FKV04, SS13]. **Ranking** [BAG14, YW73, AT10, ACN08]. **Raster** [CLRS86]. **Raster-Graphics** [CLRS86]. **Rasterizing** [Hob89]. **Rate** [ADG15, Bau58b, BSKK<sup>+</sup>16, BEGH17, CDRS23, GS16, GX22, Ked79, KMRZS17, Cha00a, KSY14]. **Rate-independent** [CDRS23]. **Rates** [Bry82, DW64, JM60, MM86, Sta56]. **Ratio** [AGTG21, FE76, CL11]. **Rational** [Bas58, GH23, Hen56b, Jia23, Kun76, Luk57, Mae60, Mae63, Ral63, Spi61, Sto64b, BT07, Vaz12]. **Reach** [ADLS94]. **Reachability** [BEF<sup>+</sup>21, CLL<sup>+</sup>21, DKM<sup>+</sup>18, Tho04]. **Reaching** [DLP<sup>+</sup>86, PSL80]. **Reaction** [CDRS23]. **Reactive** [VV12, PM06]. **Read** [AHK93, CCF84, HV07]. **Read-Once** [AHK93]. **Read/Write** [CCF84, HV07]. **Real** [BLT93, CW65, Col71a, ES17, EV62a, EV62b, FMNP19, Fis65a, FMR72, Gal81, GH68, GMvN59, Hei71, Hol62a, Isr57, La 64, LS81a, LL73, MS19, Man67a, MC70, Oya87, Ros67a, Ros68, Rub55, Sch64, TW61, Ukk82, Wan74b, Yak76, von56, Bas99, KT99]. **Real-Time** [BLT93, Col71a, Fis65a, FMR72, GH68, Isr57, LS81a, Man67a, MC70, Oya87, Ros67a, Ros68, Rub55, Sch64, TW61, FMNP19, KT99]. **Realistic** [CMS89]. **Realization** [CEW58, Gil66b, PPV60]. **Really** [AH94, ES15]. **reason** [KR97]. **Reasonable** [Doy65]. **Reasoning** [ABK16, BNR13, BN13, FH94, FH98, GS92b, GS93, KKMO18, KJJ03, NB95, Opp80, Wan93, BMSS09, DFPP02, FH01, HP07]. **RECAL** [CG86]. **Recognition** [Alt62, Ble66, Chu65, CC67, Doy62, DW64, EC64, GS78a, Gla57, Gre66, Gri86, Har67, HS68, Kel61, Lyn77, MF63, McA93, O'C65, DR00]. **Recognizes** [Hue73, Hue74]. **Recognizing** [GSH89, Hsu87, Joh71]. **Recompression** [Jez16]. **Reconciliation** [ZZ17]. **Reconciling** [MR10b]. **Reconfiguration** [LS87]. **Reconstructing** [BKL99, Sha67a]. **reconstruction** [CS11]. **Recontamination** [LaP93]. **Record** [CC76b, ES76, CC76a]. **Recording** [Per54]. **Records** [GS73, MW78, Wol65]. **Recoverable** [TL95]. **Rectangle** [GL88b, MP86]. **rectangular** [FV02, Zwi02]. **Rectilinear** [Hwa79, DKP98]. **Recurrence** [Cra55, Cra57, KMW67, Kar94]. **Recurrences** [DS13, HK77, Kun76, Rou01].

**recurrent** [OG96]. **Recursion** [IW91, JM78, Sch74, Fus90, Pit06, SP07].  
**Recursive** [AM82, BL79, Blu67, BD77, Di 69b, EY09, EY15, Gau61b, GB74, HN84, HL66, LR72, Nau89, RV80, SS63, Tra69, JR07]. **Recursively** [Cul79, ERR81, ER80b, GR63b, Opp80]. **Reduced** [Col67, DG57, Has70].  
**Reducibilities** [Hom87]. **Reducibility** [GB69c, GB70, JMMW79, Lad75, Lyn75, AK10]. **Reducible** [CH91a, HU74, WLS85]. **Reduction** [AAJS17, ACPS93, Bra67, CH90, Cur62, Gin59, Gra63, GH72, HWB56, IOT19, Lio71, LR81, RW88, Wei55, Wil59b, ZL58, AFN04, BC05].  
**Reductions** [DHKN21, Hue80, HS78a, HS78b, PS81b, RMK79, Wil87, Lib01].  
**Redundancy** [Sch63]. **redux** [Via13a]. **Reed** [BSCI<sup>+</sup>23]. **References** [DS78]. **Refinement** [AGHR17, BN23, Mad66, Mol67, Bro97, CGJ<sup>+</sup>03, MMHW97]. **Refining** [XDB83]. **Refutation** [CS71]. **Refutational** [HR91]. **Refutations** [HW74].  
**Regards** [EV57]. **Regenerative** [IS78, IL79]. **Regime** [FGYZ21]. **Region** [AAI86, BNR13, GSV15, MP91]. **Register** [BP01, BS76, CH86, CH88, HKMW66, LP73, RT69, SAG94, You58].  
**Register-machine** [BP01]. **Registers** [Mow67]. **Regression** [CW17, Shr70, Sri76, Wal61]. **Regret** [AG17, FCMG22]. **Regular** [ABD<sup>+</sup>21, BLR14, BE97, Brz64, BC69, CDPP23, DKRW15, FU82, GH64, Gin67, HV95, Kah95, Mye92, OF61, Sal66, ACKM09, ACM02, BCG07, BYG96, BP03a, KLSS05]. **Regularity** [Val75]. **Reinforcement** [Cun85].  
**Relabeling** [ST72]. **Related** [ABS15, BC73, CM85, Di 73, Erd66, GR62, KLM19, Mot94, Val75, Wee65, Wee67, WC74, Fre99, Hoc01, SSS96].  
**Relating** [BSLRZ14, DA68]. **Relational** [AV88, AV89, AVV97, ANV13, BK87, BDLW98, BL00, BC81, CP84, Fag83, Gal82, GH86, GPV89, IL84, Klu82, Mai80, MH89, Men79, Rei86, SU82, SY80, SDPF81, SDPF87, AL05, GE01, WR03]. **Relations** [BDFS84, Col70, FHS13, Gil66b, Gla65, Har74, HU68b, Iba77, KMW67, Kar94, MW86, McA93, NB95, PF79, SH21, BG98, BLSS03, KMP00, KJJ03].  
**Relationship** [Bea82, BW94, LBB67]. **Relationships** [Dav90, WM74, KT02]. **Relative** [Ber75, CKL<sup>+</sup>23, KMR95, LF88, Sup83, JRS09]. **Relativizations** [XDB83].  
**Relativized** [Ko90, Rac82]. **Relativizing** [LS86]. **Relaxation** [JM60, JV01].  
**Relaxations** [CLRS16, Sku01]. **Relaxed** [SVN<sup>+</sup>13]. **Relaxed-Memory** [SVN<sup>+</sup>13]. **relaxing** [AFH96]. **Release** [Mar82, Unr15]. **Relevance** [MK60, YLC76]. **Relevant** [SH21]. **Reliability** [DI87, Had88, Jac54, WB97].  
**Reliable** [AAF<sup>+</sup>94, FLMS93, BPC<sup>+</sup>12, CT96]. **Remainder** [Col67].  
**remaindering** [AB03]. **Remark** [Sch68, Yas67]. **Remarks** [CM57, Mor60, Nag61, dV59, Liv60]. **Remote** [Boy05, Gav71]. **Removing** [MS16b]. **Renamable** [Sla67]. **Renaming** [AACH<sup>+</sup>14, ABND<sup>+</sup>90, Lew78, CR12]. **Renamings** [Log78, Log79]. **Rent** [GMPZ17]. **Repairable** [LM94b, dG89]. **Repeated** [Gra55b, LR81].  
**Repeating** [NR94]. **Repetitive** [RC69]. **Replacement**

[ADU71, MT19, OOW99]. **Replacements** [BHR19]. **Replete** [LF88].  
**Replicated** [BDS87, Her90]. **Replication** [Wak69]. **Report**  
 [You56, Hal98, Man03]. **Reporting** [Cha90a]. **Reports** [BT69].  
**Representable** [Sha70b]. **Representation** [BK72, Das77, ERR81, ER80b,  
 Har74, HP90, KSG68, Mat82, Muk68, Spi61, BN05]. **Representations**  
 [Boo78, DST92a, DST92b, GB69c, GB70, HR63b, HR63a, MM84].  
**Representative** [FLPS16, KW20, Lib01]. **represented** [BBB<sup>+</sup>00].  
**Representing** [Pfa75]. **Reproducing** [von66]. **Require**  
 [AIK84, GS90, RW92]. **Required** [Spi69, Win65a, Win67]. **Requirement**  
 [RS67, Yan79]. **Requirements** [BJL<sup>+</sup>82, CE72, GM70, Har67, Kar67].  
**Requires** [CLRS16, Raz19, Lee02]. **Requiring** [CR56]. **Resampling** [HS19].  
**Research** [Baz57, BK77b, Min67, Gra03, Hoa03]. **Resequencing**  
 [BGP84, JMG93]. **Residue** [Kam87, Pap87]. **Residues** [Sho81, Wil91].  
**Resilience** [HPZ24]. **Resilient** [BEGY22, BFR<sup>+</sup>22]. **Resistance** [Cha16].  
**Resolution** [AB70, And68a, And68b, AM20, ABD<sup>+</sup>21, BE97, CS88a, DH86,  
 Dix73, GFL87, HR78, Joy76, Lee72, Man67b, MR87, Raz04, Rei71, Rob65,  
 Sla67, Sla70, Urq87, AAF<sup>+</sup>01, BG01, GMPS00, MPR98, SW01, BSW01].  
**Resolve** [GW85]. **Resolving** [BCW85]. **Resource**  
 [Dal78, DJSW19, Jaf83, KIM81, Llo82, SH22, AAPS96, BNBYF<sup>+</sup>01, KKD04].  
**Resources** [TW88]. **Respect** [Leh57]. **Response** [Bro82, HB21, IS78].  
**responsibilities** [Hal00]. **restaurant** [BGJ10]. **restless** [GMS10].  
**Restorable** [BP23]. **Restricted** [PY82]. **Restriction** [WL85]. **Restrictions**  
 [LWZ21, Mey88]. **Restructuring** [MP76]. **Result**  
 [SW82, Wan78, SW01, WB97]. **result-checking** [WB97]. **Resultant**  
 [Bar60, CE00]. **Resultants** [Col71b]. **Results**  
 [Ble66, CM85, Di 73, DV16, DSS22, GJ78, Gen78, GK84, Har63b, HS87,  
 HU69, Jai15, JS82, Kap68, Kel73a, Ko90, Lio71, Pag74, Par55, Par61, PKT90,  
 Rei71, TM73, Van67, AAF<sup>+</sup>01, Bas99, CN06, Häs01, MMHW97]. **Retiring**  
 [Hou57]. **Retrieval** [AF77, ACDF78, Bak62, BBH<sup>+</sup>87, BK77b, CC76a,  
 CC76b, Coo64, Eli74, EF75, FP86, Gup79, HSTV14, MK60, Sal63, Sal73,  
 Sta72, Sti61, Win65b, YLC76, YL77, YLS82, CKGS98, MSS01]. **Retrieve**  
 [Mor68a]. **Retry** [LS88]. **revealing** [JMM<sup>+</sup>03]. **revelation** [LOS02].  
**Revenue** [GW21]. **Reversal** [Iba78]. **Reversal-Bounded** [Iba78]. **reversals**  
 [HP99]. **Reverse** [Erd66]. **Reversibility** [BM70, DLT94]. **Reversible**  
 [Ang82]. **Reviews** [Ano60, Ham56b, Ham56c, Ham56d, Ham57a, Ham57b,  
 Ham57c, Ham57d, Ham58a, Ham58b, Ham58c, Ham58d, Ham59a, Ham59b,  
 Ham59c, Ham59d, Ham60]. **Revised** [DHM65]. **Revision** [DPW18a].  
**Revisited** [EH86, Min82, Szp90, ZZ17, CGH04]. **Revisited\*** [BCP20].  
**Revisiting** [ADG15]. **Revocable** [Unr15]. **Rewrite**  
 [BGK<sup>+</sup>22, GNP<sup>+</sup>93, HWW90]. **Rewriting**  
 [BGK<sup>+</sup>22, DM87, Hue80, Toy87, WZC95, BT95, TKB95]. **Rewritings**  
 [BKK<sup>+</sup>18]. **Richardson** [Fra60]. **Riemannian** [CGOS13]. **right** [MLS76].  
**right-context** [MLS76]. **rights** [Hal00]. **Rigid** [GNRS92]. **Rigorous**  
 [BFM<sup>+</sup>19, KMP<sup>+</sup>12]. **Ring** [ASW88, Fit60, FL87, Wan93]. **Rings**

[AAHK94, LPR13, DMR08]. **Risk** [BAL<sup>+</sup>21]. **Risk-controlling** [BAL<sup>+</sup>21]. **RNA** [Sha67a]. **Road** [Doy61]. **Robin** [Ras70]. **Robots** [Mur55, YUKY17]. **Robust** [ABDH<sup>+</sup>20, BEJWY22, CLMW11, DFSL14, FK15, HKM<sup>+</sup>22, Jay97, MS16a, Rab94]. **Robustly** [ABND95, LM23]. **Robustness** [BFGY19, BS23, FNFSZ23, Rou15, Sur83]. **Role** [RW88, Sal70]. **Romberg** [And66]. **Room** [KR76]. **Root** [Leh74, Lov16, Mou65b, Wee60]. **Root-Squaring** [Wee60]. **Rooted** [Gre73]. **Roots** [BJ66, Brz67, DSS22, MM75, Mou65b]. **Rosser** [MNO88, DKRW15, Ros73a, Set74, Set75, Sha88, Toy87]. **Rotational** [Hou58b]. **Rotations** [PT57, Zer85]. **Round** [Dou59, KL70, LP15, Ras70, SD83, BPC<sup>+</sup>12, CS99, GS22]. **Round-Off** [Dou59, KL70, CS99]. **Round-Robin** [Ras70]. **Rounding** [BGRS13, DRY16, GKPS06]. **Roundoff** [BR71, KL73]. **Rounds** [BYCHS17, Bra87, HSS18]. **Route** [Pol64]. **Routine** [Bas58, Lyn69, YL57]. **Routines** [Eld59]. **Routing** [BB95, BBBL95, CK95b, DEP10, GK94, GN94, GL88b, Haj83, MP86, NS80, PU89, Tow80, Upf92, ABNC<sup>+</sup>96, AGH00, AFGZ05, AAF<sup>+</sup>97, BOG02, BRSU97, BFU01, HW04, JSMM03, RT02]. **row** [vD95]. **row-convex** [vD95]. **RS** [ER64a]. **RS-Machines** [ER64a]. **RSA** [BF01, HN04]. **Rules** [GNP<sup>+</sup>93, GHKL21, HWW90, Nau89, Ral59, UV88, MR10b]. **Rumor** [CGLP18, Hae15]. **run** [WB97]. **run-time** [WB97]. **Runge** [But67, But79, BL66, Car58, Cas75, Cas76, Fro61, GR60, Gru70]. **Running** [Got54]. **Runs** [GNP20, TRA71, Wei55]. **Runtime** [BFR<sup>+</sup>22]. **Runtimes** [KKMO18]. **Russians** [Mye92].

**S** [FHO72]. **S-Semigroups** [FHO72]. **S.P.M.** [Kle66]. **Saddle** [JNG<sup>+</sup>21]. **Safe** [Yan82]. **Salesman** [Bel62, BH74, CNP85, FN93, GG78, MTZ60, MS16b, PB89, SV19, STV20, Aro98, BFJ<sup>+</sup>03]. **Same** [CCSS14]. **Sample** [ABDH<sup>+</sup>20, CBDF<sup>+</sup>99, GW21, MY16, RC86, Wil91]. **Sample-efficient** [CBDF<sup>+</sup>99]. **Samples** [BRS22]. **Samplesort** [FM70]. **Sampling** [AG17, AC24, Bay72, CdDPL<sup>+</sup>24, CGL<sup>+</sup>22, Dav77, FGYZ21, FM70, GJL19, RV07, ACKM09, BYG08, CMYZ12, DLT07, ŠVV09, Vem10]. **Sampling-based** [CGL<sup>+</sup>22]. **SAT** [BSKK<sup>+</sup>16, FGYZ21, GST16, NOT06, PPSZ05]. **Satellite** [Dye68]. **Satisfaction** [BK14a, BBKO21, BMR97, BMM18, BR23, CLRS16, GMV86, Hon82, LS81b, Mar13, BK10, Bul06, Bul13, Gro07]. **Satisfiability** [DV14, FK15, HZ16, Pla04, Sch78, ANP07, BFG08, FLvMV05, GW95]. **Savage** [DFPP02]. **scaffolding** [HRM02]. **Scalable** [KS11]. **Scalar** [Was81]. **Scale** [ABDCBH97, DK65, EKLS20, Kau71, MS18, Pea69b]. **Scale-sensitive** [ABDCBH97]. **Scaled** [FL74]. **Scaling** [BFGY19, GT91, Gia64, Lam82, Ske79, ZTX21, BKP07]. **Scan** [One75, RR64]. **Scanning** [Bau58b]. **scenario** [CSV07]. **Scene** [CF20]. **Schaefer** [BP15]. **Scheduled** [Cof69a, Cof69b]. **Schedules** [AC81, CT81, DVSC77, Man67a]. **Scheduling**

[AZ05, BLT93, BBD<sup>+</sup>15, BL99, CG93, DJ81, FK85, Gab82, GJ76b, GS76, GS78b, GJ80, HS87, HS76, HLS77, IK77, IKM17, KM72a, KN81, KSS75, KSS77, LL78, Leu93, LL73, Llo82, Mar82, MS11, MC70, NJ57, PTW88, PK80, Ras70, Rei68, RY91, Sah76, SC80, Sev74, She67, AFGZ05, AAF<sup>+</sup>97, BNBYF<sup>+</sup>01, BL04a, BGM99, CN06, KMPS09, MSU99, SSS06, Sku01].

**Schema** [ADLM14, GS10, Hel89, FN10, JV01]. **Schemas** [AMP73, GS83]. **Schemata** [GG74, Kel73a, Kel73b, Log78, Log79, Rut64]. **Schematic** [San88]. **Scheme** [FK16, KU80, Lie59, Upf92, YW73, Zaf69, Coh00, DR03, KLOW00, RS09a, SS06b]. **Schemes**

[AHPW19, ABDH<sup>+</sup>20, BHM11, BFMY83, BK86, BK87, CM87, CH91a, CAFS21, Edw54, Fag83, FLS18, GH73, HM85b, Hun82a, Hun84, LRY80, MY80, Mon70, MY16, RS77, Sag91, San88, Upf84, Aro98, KSS10, OR02].

**Schinzl** [Niv10, Pet15]. **Science** [Ham69, Min70, Sal72, Bro03, Val03]. **Sciences** [Ano68, Leb56]. **Scientific** [Gof71, O'C65, Sal71a]. **Scott** [LP14].

**Search** [AM78a, BM83, BM85, BC74, Bur76, DP85, Dev86, DG71, EC68, Fal62, FGLS19, FKR19, Fre82b, Fre85, Fri73, GC65, Hen70, HJ61, KZ93, KNY19, LaP93, MB85, MT93, Mey84, MM75, Mil75, Nau83, Por66, Rub74, SD69, ST85, SMC79, Tar83, Vit83, Wei72, Wil87, Wil84, dCS77, de 83, AT07, BYG08, BFG<sup>+</sup>99, Drm03, FG99, KZTH05, Kor08, MP10, MR98, Ree03].

**Searchers** [Doy61]. **Searching**

[AC23, Bab63, BT57, Cha90a, Cha90b, Dav90, GNP20, GMM81, Gon81, Hib62, HY77, MHG<sup>+</sup>88, Sta70, AMN<sup>+</sup>98, AMM09, BYG96]. **Second** [DH59, Dun65, Dun66, FLO83, Has70, LW63a, LW63b, Pie73, EGG00, GKS04].

**Second-Order** [FLO83, Pie73, EGG00, GKS04]. **Secondary** [GS73].

**Secrecy** [Aba99, AB05]. **Secretary** [BIKK18]. **Secrets** [Rab94]. **Section** [Via14a, LV09, VV09, Via10b]. **Secure**

[ABF17, DDWY93, GS22, GHKL11, KOY09]. **Securely** [MS16a]. **Security** [AW08, Can20, Chi86, LS77, Rab89, Rei79, WYCF14, Aba99, AB05, HN04, LMW05, LW08, May01]. **seen** [Gro07]. **Segment** [vO93]. **Segmentation** [Den65, ES76, HP76, KPR04, Hoc01]. **Segmented** [CAA74]. **Segments** [CE92]. **Selected** [Ja'84]. **Selection**

[CM89, DM81, FG79, GM79, GS69, JK78, Kir81, Nev70, Row57, TWS80].

**Self** [AM78a, Cas71, DW04, JRS<sup>+</sup>14, Kra62, LR19, ST85, von66, AK10].

**Self-Adjusting** [ST85]. **Self-Consistency** [Kra62]. **Self-Describing** [Cas71]. **Self-Organizing** [AM78a]. **self-reducibility** [AK10].

**Self-Reproducing** [von66]. **Self-Stabilising** [LR19]. **Self-Stabilizing** [JRS<sup>+</sup>14, DW04]. **selfish** [RT02]. **Semantic**

[BFGP20, Doy61, FCB08, GK68, HR91, KP80, MR87, RV80, Sla67].

**Semantic-Syntax-Directed** [KP80]. **Semantics** [BG70, Gab16, GTWW77, GHKL21, LP14, MT21, Rey77, ST80, SN85, VK76, vRS91, vW96, Lai13].

**Semaphore** [Sta82]. **Semi**

[BC81, BN71, Cas76, DL56, Fri63b, GOBS69, dS58, AT11, BB10].

**Semi-Automated** [GOBS69]. **Semi-Automatic** [DL56]. **Semi-Decision** [Fri63b]. **Semi-Definite** [dS58, AT11]. **Semi-Implicit** [Cas76]. **Semi-Joins**



[BC81]. **Semi-Markov** [BN71]. **semi-supervised** [BB10]. **Semialgebraic** [AC23, BCL19]. **semicomputable** [BT95]. **Semidefinite** [AK16, GW95, KMS98, Sku01]. **Semidegenerate** [KK70]. **Semigroup** [Oeh63]. **Semigroups** [FHO72, OPSPW19]. **Semilinear** [Ros70a]. **Semiring** [BMR97]. **Semiring-Based** [BMR97]. **Semirings** [JS82, KNP<sup>+</sup>24]. **Sense** [Tob82]. **sensitive** [ABDCBH97]. **Separable** [HS90, VY11]. **Separated** [Sti65]. **Separating** [Ko90, Lic23, SFM78]. **Separation** [BK14b, CCF84, GKR16, Har03, HT24, RT22, LW08]. **Separations** [ABB<sup>+</sup>17, GHJ<sup>+</sup>24]. **Separators** [ABL17, MTTV97]. **September** [Hou56c]. **Sequence** [CH84, ER80a, FM79, Gon81, MS92, RT69, TL95, TRE73, Tro84]. **Sequences** [AG86, AM78b, Ata94, BB58, Boy89, Bro65, Bur76, Cer58, Cha66a, Cha69a, Col67, Hab70, Ort60, Pet15, RV78, Sha67a, AGH00, BP03a, KR14, Niv10]. **Sequencing** [Bru76, BDF81, Hel61, Sch61]. **Sequential** [Apt83, Bel60, BHR84b, Cur62, Cur63b, Far63, GS69, Gil65, Gil66b, GF67, Gin59, GC65, Har63b, Hib61, Kar67, Ker71, Kle66, Liu63, Mos58, Mow70, OF61, Ran58, RP66]. **sequentially** [FKL98]. **Serial** [Cov60, Meg83]. **Serializability** [Pap79b, Set82, Yan84]. **Series** [AS54, BK78, CBHH61, Cru76, Hen56a, HY75, Min57, SL71, Spi61, TNS82, dV59, YCW99]. **Series-Parallel** [SL71, TNS82, YCW99]. **Served** [Men65]. **Server** [BBMN15, DG16, BG00, KP95, SS06c]. **Servers** [vdLL86]. **Service** [BGH<sup>+</sup>95, BDF81, Del70, HM72, Hof84, KM72b, KW66, MM86, PTW88, Pri76, SB82, Sev74]. **Service-Time** [SB82]. **Serving** [Leu93]. **Session** [HYC16]. **Set** [Abd71, AHPW19, Ata94, BRK74, BKST78, BBE<sup>+</sup>21, CBHH61, CF59, FOS14, GW90, Hsu88, KW85, Kir81, KLP75, Lew78, MS21, Pac10, Rei72, Rit63, SLM19, SK73, Tar75, Tv84, WH73, WRC65, Zoh74, AFN04, Bul06, CeLT00, CLL<sup>+</sup>08, Fei98, FCB08, GK96, GG13b]. **Set-Manipulation** [Ata94]. **set-theoretically** [FCB08]. **Sets** [AAJS17, AGPT16, BBH<sup>+</sup>21, Bar65, BAL<sup>+</sup>21, Bra67, Bro64, BCL19, CK95a, Cha69b, CH91b, Che17, CS83, Cul79, Di 69a, ERR81, ES17, GNP<sup>+</sup>93, Gin61b, GH64, GH86, HW74, KW20, Lyn75, Mar76, Mat82, MP66b, PS81b, Ros70a, Ros94, RW23, Sch68, Sla72b, WLS85, dV71, AT07, KSW09, SSS96, WR03, Zwi02]. **Settling** [CDT09, CST<sup>+</sup>18]. **Several** [Ber69, KSS75, KSS77, NT93b, She59a, Wil62]. **Shape** [CDOY11]. **Share** [LTV96, UW87, BS59, BB59, DK59, GK59, MS59, She59b]. **Shared** [AAD<sup>+</sup>93, BJL<sup>+</sup>82, CK68, ES76, EGM16, KU88, KS83, KM72a, KN81, Kne93, KW66, Ras70, Tau22, AGMT95, BF01, Cap02, DHW97, FKL98, HV07, JCT98, Kle67b, SN04]. **Shared-Memory** [EGM16, Cap02]. **Shares** [KPW18]. **Sharing** [Adi69, AAI69, Adi71a, Adi71b, AGOW66, ABND95, Bab75, BN71, Cof68, CMT70, FMI80, Fra69, HP72b, KM72a, NBC72, Rab94, She67, WYCF14, GKPR07, RS09b]. **Sharp** [Pet15]. **Shellability** [GPP<sup>+</sup>19]. **Shellsort** [Goo11, JLV00]. **Shift** [CH86, CH88, LP73, Mow67, RT69, You58]. **Shift-Register** [RT69]. **Shifting** [BE62, BSP82, Jen73, PV76]. **Shop** [CT81, GS76, KS75, MS11, R6c84]. **Short**

[BSW01, BEGY22, CDW21, ES15]. **Short-Circuit** [BEGY22]. **Shortest** [ADF<sup>+</sup>16, AMOT90, BMPT91, BBE<sup>+</sup>21, BLTY94, BP23, CGS15, DP22, Elk20b, Fre91, GYY80, HKN18, Joh73, Joh77, MP91, OR90, OV23, RS94b, SR94, Wag76, Wan23, WW73, Yen72, AHPSV97, AMS05, BS88, Coh00, DL07, DI04, Kho05, PSSZ13, Tho99, Zwi02]. **Shortest-Path** [OR90]. **Shot** [HHPW14]. **Should** [Yao81b]. **Showing** [Dil89, Jaz81]. **Shrink** [HHHN14]. **Shrinkage** [IMZ19]. **Shuffles** [RVW18]. **Shunning** [BCP20]. **side** [Gro07, XB06]. **side-chain** [XB06]. **Sieving** [Wun67]. **Sifting** [Mac66]. **Sign** [BM92]. **Signaling** [KRR22]. **Signals** [BGG17]. **Signature** [MMR15]. **Signature-Free** [MMR15]. **signed** [HP99]. **Significant** [Kan65, KMP<sup>+</sup>12, Man79b]. **Silence** [GM20]. **Silver** [CDE<sup>+</sup>00]. **Similar** [AC81]. **Similarity** [Doy62, Wil59b]. **Similarity-Invariant** [Doy62]. **Simple** [AP93, ACW91, BILW20, Boo78, CK79, CMS89, DW99, EF75, Elk20a, FCMG22, FLO83, Goo11, GI81, GS16, Hae15, Hib63, Jez16, JM77, Kna75, Koc69, KY83, LL85, Mau69, MP72, Par55, PT12, Rei87, Rid76, SU05, Smi71b, SDS<sup>+</sup>18, Tsi70, Wei72, BSW01, SW97]. **Simpler** [Dil89, Jaz81, OV20, GKPR07]. **Simplex** [AM85, DHM65, Mul78, ON68, ST04]. **simplicial** [DG98]. **Simplicity** [Cha69b]. **Simplification** [Bre70, Cav70, Hir58, IL83]. **Simplified** [Lov69a, She92]. **Simplifiers** [Sla74]. **Simplify** [DNS05]. **Simplifying** [BN01, Chu61]. **Simpson** [Lyn69]. **Simulated** [SH88, SVV09]. **Simulating** [BKS<sup>+</sup>10, BR91, CI74a, CI74b, Igl76, Les58, McL65, NT93a]. **Simulation** [ADO91, Bay72, BB61, Bry91, FMR72, FM79, GM61, HA56, IS78, IL79, Isr57, Jaf83, Mos58, PM71, Rub55, Wad56, Zei72, GO96]. **Simulations** [HS66, KA88, LS81a, Nic93]. **Simulator** [Cur65]. **Simultaneous** [CBHH61, Rei87]. **Single** [BLP09, BE62, Bai66, BCM<sup>+</sup>21, Bru76, BJJ<sup>+</sup>82, Car58, DCKT92, Elg54, Fra65, HKN18, RR64, RS94b, AGL00, BL04a, BP03b, CKL<sup>+</sup>07, KRV09, Tho99]. **Single-Class** [DCKT92]. **single-commodity** [CKL<sup>+</sup>07]. **Single-Ended** [Bai66]. **Single-Exponential** [RS94b]. **Single-Scan** [RR64]. **Single-Source** [HKN18, Tho99]. **Single-Step** [Car58]. **Single-value** [BLP09]. **Singleton** [HS21]. **singly** [BAP06]. **singularities** [Pel98]. **SINR** [AEK<sup>+</sup>12]. **situation** [PR99]. **Size** [BP89, CCSS14, Cha75, FE76, GL76, GLVV12, Mor62, RV87, Rid76, Rob71, Wol65, Raz09]. **Size-Time** [BP89]. **Sizing** [AG73]. **Skeletons** [Mon68, Mon69]. **Sketching** [CGSV24]. **Skewing** [McK78]. **Skip** [JRS<sup>+</sup>14, JRS<sup>+</sup>14]. **Sleep** [Leu93]. **Slepian** [BZ23]. **Slotted** [Tob82]. **Slowing** [Col87]. **SLR** [MLS76]. **Small** [BGKM23, BIZ18, Cla95, Hås21, RC86, KSW09, SM02]. **Small-depth** [Hås21]. **Smaller** [AM85]. **Smallest** [Gin58, Man75, MB83]. **Smallest-Last** [MB83]. **Smooth** [Aki70, Eda22, ES17]. **Smoothed** [AMR11, BR15, DFGN24, HRS24, ST04]. **SMT** [BBEG18]. **Snapshot** [CG18]. **Snapshots** [AAD<sup>+</sup>93, AACHE15, AACHE18, EFR07]. **SNOBOL** [FGP64]. **Sockets** [BFM<sup>+</sup>19]. **soft** [Cha00a]. **Software** [GO96, McL84, WB97]. **Sojourn** [BKK84, Kne93, McK87, MY84]. **Sojourn-Time** [MY84]. **Solitude** [AAHK94]. **Solomon** [BSCI<sup>+</sup>23].

**Solution** [BJ66, Boj84, BKT67, CG70a, CG67, CM60, CM61, Col58, Cry67, Cry70, Cur63b, Dou59, EC68, Fis56, Fis58, Fra60, Fra58b, FR63, Gau59, Gau60, Gla65, Gra55b, HST76, Her74, HW67, Hoc65, HP59, HJ61, Hou58a, Kac79, Kar68, Kro67, Laa58a, Lan59, McC73, MR59, MR60, MR62, MP59, Mou65a, Phi62, Phu76, RG67, RKN75, SB82, Shi80, Sta56, Sto73, SW68, TW61, TW84, Two63, Usm66, Was81, You56, Zoh74, vdLL86, CR86a].

**Solutions** [Abd71, BGP17, BH65, CK76, DLN73, DDFS14, Ehr59, FGYZ21, KIM81, Laa58b, Lam86b, LV57, MO68, Osb61, Pap84, Sig67, SL71, You55, Noe79, MW84]. **Solvability** [AF67, Coo66, Di 73, GH64, MRR03]. **Solvable** [BK14a, CC95, Fri63a, HZ80, LZ77]. **Solve** [BC81]. **Solver** [San69]. **Solvers** [ADG15, SK78, CCM12]. **Solves** [Sla63]. **Solving** [ABV60, ADH15, Ber54, BV04, BBEG18, BB94, CHT96, CLS21, CR56, CD60, Cry71, Ehr58, EG82, FOS14, Fri73, Gat83, GC65, GSV84, Has70, Hen70, LO85, Leh61, LKK83, MS18, Mey85, Moo67, NOT06, QH68, Ram80, Rot70, SK77, Tar81a, Tho57, War57, Was71, RWM94]. **Some** [AIK84, Adi71b, AM70, Ble66, Bui79, Cau58, Chu61, Coh55, DH56, EHR84, Ear74, EF75, Fei03, FL74, FW74, Fre79, Gen78, GR63b, Häs01, Har64, Hib62, Hoa78, HU69, IRT78, Ja'83, JS82, Kap68, Kar67, KP90, Lio71, Lov72, Mai78, Man67b, MS74, Mit74, NJ57, Par61, PS81b, PR99, Rei72, RT88, Rob74, Rut55, ST74, She67, SD69, Sri65, SR71, Tar83, TM73, Tsa74, Ukk82, Van67, Wil71, WM74, vdSS89, PM71, Sal71a]. **Sometimes** [EH86, Rei86]. **Sort** [GH86, NV95, RV87, Sob62, VH06]. **Sorted** [Wal88, Yao81b]. **Sorting** [Beu70, BN62, Col87, CS88b, DPRS89, Flo60, Flo61a, FM70, Fri56, Goe61, GK96, Goo11, Hib62, Hib63, HI59, Hor75, Hor78, IS56, Leh57, Liv60, Mac66, Man79a, MBM89, MP75, Nag59, Nag61, NS82, NV95, Tar72, FCFM00, FG05, HP99, KLOW00, Tho07]. **sorting-complexity** [FCFM00]. **Sound** [Rei86, SAKS64]. **Soundness** [Bau85]. **Source** [AAJS17, AFGZ05, HKN18, Kam82, Lov77, Sch64, Tho99].

**Source-to-Source** [Lov77]. **Sources** [Par79, Par80, Kle99]. **Space** [AMM09, BG15, Con91, DEL80, DM81, DG62, ET76, GNP20, GS21, GS90, HHPW14, HSTV14, HPV77, Hor78, Ja'83, LT82, LS80, LED76, Log79, Lyn77, McC76, Ove24, PU89, Pip78, Raz19, Rei80a, Sav84, YUKY17, ATSWZ00, BSSV03, CRS01, FHS98, FLvMV05, Rei08]. **Space-Bounded** [Con91]. **Space-Economical** [McC76]. **Space-Efficient** [HSTV14].

**Space-Time** [DEL80, Log79, Sav84, AMM09]. **Spacefilling** [PB89]. **Spaces** [HHHN14, KSU19, MP71a, MP71b, Smi71b]. **span** [VJ00]. **Spanner** [AB17]. **Spanners** [ES15, FKR15]. **Spanning** [Hwa79, KKT95, PY82, SL15, Sup83, ACK08, Cha00b, CHL01, HdLT01, PR02].

**SPARKs** [EFKP22]. **SPARQL** [GUK<sup>+</sup>16]. **Sparse** [AHPW19, BBS86, BSV20, BDK24, CEG86, EGGI92a, EGGI92b, FKS84, Gri86, GLW70, Joh77, Kam87, LS86, Lyn75, TY79, Wag76, CE00, CFM10, DKT13]. **Sparser** [KN14]. **Sparsification** [DV14, EGIN97, AY13]. **Sparsity** [CW17]. **Spatial** [CFGS22, KKD04, BKL<sup>+</sup>06]. **Special** [MW86, ZL58, LV09, VV09].

**Specifiable** [Hul84]. **Specific** [Pet62]. **Specification**

[AV89, BFM<sup>+</sup>19, Ehr82, GB92, Hem64, McL84, HV07]. **Specifications**  
 [Lei54, BT95, BG96]. **specifying** [LW08]. **Spectra** [AK70]. **Spectral**  
 [CLTZ18, Gau64, LGT14, LM86, Neg66, She59a, BLR10, KVV04]. **Spectrum**  
 [BT96]. **Speech** [SAKS64]. **Speed** [BKP07, BC54, Cha69b, Den58, Fra61,  
 GFL87, KP00, Leb56, PT57, Rub15, TWS80, AZ05]. **Speedcoding** [Bac54].  
**Speeding** [Blu71, EGIN97]. **Speedup** [CN95, CHK82, LR79]. **Sphere**  
 [CKM<sup>+</sup>14, MTTV97]. **Sphere-Packings** [MTTV97]. **Spherical** [CU59].  
**Spin** [GSV15]. **Split** [SS06a]. **Split-ordered** [SS06a]. **Spontaneous** [CD21].  
**Sporadic** [BBD<sup>+</sup>15]. **Spreading** [CGLP18, DFGN24, Hae15, ENRS00].  
**Square** [AC55, BR71]. **Squares**  
 [DLN73, Mad66, MP70b, Osb61, Ple74, Rit63, CJK<sup>+</sup>06]. **Squaring** [Wee60].  
**Sri** [Mul11]. **st** [BK09]. **st-flow** [BK09]. **Stabbing** [AC23]. **Stabilising**  
 [LR19]. **Stability**  
 [BW91, Cha62, CL62, CK65, Ema63, Esc60, FGL77, GGMM88, Kar68, Kro66,  
 MR59, MR60, ÖWA91, Rah70, Ske79, Wil59a, Wil59b, AAF<sup>+</sup>01, BBG13].  
**Stabilizability** [ÖWA91]. **Stabilization** [Man67a]. **Stabilizing**  
 [JRS<sup>+</sup>14, DW04]. **Stable** [Bui79, Con57, CI74a, CI74b, DG71, FOS14, Gil65,  
 GHKL21, Ham59e, Hor78, Igl76, Ind06, ILG87, Mow67, SK78, SB73]. **Stack**  
 [Aho69, BL75, ESvL80, GGH67a, GGH67b, HS71, Ull69]. **Stacks** [Tar72].  
**staged** [DP01]. **Stages** [But67]. **stall** [AGL00]. **Standard** [BH74, Got95b].  
**Standardized** [Gor57]. **standards** [BOG02, Mey65]. **Star**  
 [Brz67, Mey69, MS21]. **Star-Free** [Mey69]. **start** [Via10a]. **Starting** [Alo60].  
**Starts** [AC24]. **Starvation** [Sta82]. **Starvation-Free** [Sta82]. **State**  
 [AF67, BZ83, CKP17, Cur63b, DS92a, DS92b, Gin60, HHHN14, Hib61, Liu63,  
 Liu69, LM94b, MH89, MM86, Tow80, Wat61, CSV09, OG96, PD98].  
**State-Dependent** [MM86, Tow80]. **Statement** [Lam86b, Rem81].  
**Statements** [BK79, Eld59]. **States** [BEF<sup>+</sup>21, Gin58, Gin59, Gin61a, HM13,  
 RW88, SM81, ASV06, HMR<sup>+</sup>10, NS06a]. **Static**  
 [AG73, Bar16, Eli74, HMSS01, TT85, YR64, BP03b, CCM12, McA02].  
**Stationary** [Was80]. **Statistical** [Doy65, DW64, Dub66, FGR<sup>+</sup>17, GLJT23,  
 Hem64, Her74, HJ61, HPZ24, LBB67, MP65, PS70, SW68, YLC76, van72,  
 BKW03, Kea98, SV03, Cha69a, MP66a]. **Statistically** [KMP<sup>+</sup>12]. **statistics**  
 [FSV06, Hal02]. **Steady** [LM94b]. **stealing** [BL99]. **Steiner**  
 [BHM11, BGRS13, Cha72]. **stencil** [FV02]. **Step**  
 [AACHE15, AACHE18, BKT67, Car58, KT68, Pic64a]. **Step-by-Step**  
 [Pic64a]. **Steps** [AM85, BKS17, BN23, Wag97]. **Stiff** [Bui79, Cas75, Cas76].  
**Stiffly** [DG71]. **Stirling** [Pic64b]. **Stochastic** [BGG17, Bru76, CI74a, CI74b,  
 Dad88, Doy23, EY15, Gil63, HMZ13, HY75, Hof77, Igl76, Nel87, San69,  
 Sch72, Shi69, EY09, FPS98, GE01, MSU99, SPK13, SS06b]. **Stochasticity**  
 [JNG<sup>+</sup>21]. **Stock** [Hal99a, Hal99b]. **Stopping** [DRS90]. **Storage**  
 [ADW68, BCW85, Bau58b, CCF88, CM74, CC76a, CC76b, CR56, DL56,  
 Eli74, Fra69, FM70, FB75, GL71, GH68, GL88a, GM73, GM75, GS73, Gup79,  
 GM70, Hof84, HWB56, Kar67, MW78, Men65, PRR74, PK80, RS67, Rob71,  
 Rob74, Ros74, Ros75, Smi79, Tra63, TS81, YW73, AKMS11]. **Store**

[Col71a, Rob71]. **Stored** [ER64b]. **Storing** [FKS84, Sin86, TY79]. **Straight** [GJL21, HL76, IM83, IL83, JS82, Kal88]. **Straight-Line** [HL76, IM83, IL83, JS82, Kal88, GJL21]. **Strain** [Per54]. **Strain-Gage** [Per54]. **Strand** [Her74]. **Strassen** [CGS15]. **Strategic** [GT23]. **Strategies** [DP85, EG82, HWW90, HR91, Joy76, Mul78, Sch72, Tay93, Wan80, BLP09, CBDF<sup>+</sup>99, CC04, NS06b, SSS96]. **Strategy** [ADU72, Ber63, FB72, HMZ13, LS87, WRC65, AEH00]. **Strategyproofness** [BBEG18]. **Stratification** [Ros94]. **stream** [Ind06]. **Streaming** [AD17, BEJWY22, CKL<sup>+</sup>23, FNFSZ23, HKM<sup>+</sup>22, PMH09]. **streams** [CMYZ12, SGP11]. **Strict** [Set82]. **strictness** [SRM97]. **String** [BGK<sup>+</sup>22, CP91, FGP64, Gal81, Gal95, HSTV14, LW75, Man75, RPE81, SMK18, WF74, WC76, FG99, LMW02, Mye99]. **String-Matching** [Gal95]. **String-to-String** [LW75, WF74]. **Strings** [HS21, BLSS03, EGG00]. **Strong** [BE97, BGN<sup>+</sup>22, GJ78, Jai15, CHL96, SW01]. **Strongest** [HOPW23]. **Strongly** [CM93, HMZ13, OV20, Wee65, Wee67, IFF01]. **Structural** [Gla91, Ros68, Pit06]. **Structure** [AGOW66, Bav68, BDFS84, BGK<sup>+</sup>22, Bot62, BM62, CB72, EV62a, EV62b, Gre65, Har63b, Hay75, Lad75, Lom62, Ram88, WYCF14, Wee62, Wel66, YZ24, Zei72, ARV08, AM09, Cha10, FN10, FG99, HS99, MT88]. **Structured** [BB85, DEL80, GPV89, HL76, HY77, NV02]. **Structures** [BHR84a, Bru76, FLO83, Fre83, GUK<sup>+</sup>16, JT75, Kow79, LED76, LRY80, Oeh63, Opp80, Pfa72, Ros79b, Sta70, WS76, WL85, vO93, AACH12, BL00, Fre99, FG01, Shi10]. **Structuring** [Bak77, Gil68]. **Students** [Til58]. **Studies** [LR65, Sal73, van72]. **Study** [BM83, BF61, CvH65, DVSC77, LWS55, MF63, O'C65, Ras70, Rei79, Ros83, RKN75, YR64, JS96, LBNS09]. **Sturm** [Ort60]. **Sub** [CDG<sup>+</sup>20, KMRZS17]. **Sub-Polynomial** [KMRZS17]. **Sub-quadratic** [CDG<sup>+</sup>20]. **subalgebras** [KJJ03]. **Subclass** [GF80, NB95, SW82]. **subclasses** [DKT13]. **subconstant** [MR10a]. **Subcubic** [WW18]. **Subdivision** [MP91, CE00]. **subdivision-based** [CE00]. **Subexponential** [ABS15, BBB<sup>+</sup>21, DFHT05, Yek08]. **Subexpression** [DST80]. **Subexpressions** [AJU77, PS80]. **Subgradients** [Eda22]. **Subgraph** [Ull76, Yan79]. **Subgraphs** [BGL<sup>+</sup>22, Wil84]. **Subgroups** [Cha16]. **Subinterval** [Ric74]. **Subject** [Ano95b, Ano98c, LS77, O'C65]. **Sublinear** [Bar16, BSKK<sup>+</sup>16, CGL<sup>+</sup>22, CHW12, Elk20b, GS90, KSY14]. **sublinear-time** [KSY14]. **Sublogarithmic** [HSS18]. **Submodular** [DV16, FNFSZ23, IFF01]. **Subnetworks** [Dad88]. **Suboptimal** [Glu63]. **Subpolynomial** [DG16]. **Subproblem** [de 86]. **Subquadratic** [BEG<sup>+</sup>21, BBP95, Val15]. **Subrecursive** [CB72, Di 69a]. **Subresultants** [BT71, Col67]. **Subroutine** [Hen56b, Kro73]. **Subroutines** [Den61, GG61]. **Subscript** [DP75]. **Subsequence** [AHU76, Hir77]. **Subsequences** [Mai78, Lue09]. **Subset** [Dem92, IK75, LO85, SW82, DLT07]. **Subsets** [AHPW19, Dun74]. **Substantially** [GS90]. **Substitution** [MV15, Sti73, SS82]. **Substitution-Permutation** [MV15]. **substitutions** [CHL96]. **substring** [LMW02]. **Subsumption** [GL85]. **subtyping** [FCB08].

**Success** [Ern69]. **Successful** [McG59]. **Succinct** [EFKP22]. **Succinctness** [BKK<sup>+</sup>18]. **Sufficient** [Bon70, Das75, Ern69, Esc60, Fre82b, Fre85, Ats04]. **Suffix** [GNP20, McC76, NB96, FCFM00, KSB06, Shi10]. **Sum** [CCSS14, IK75, LO85, Toy87, OR02, Chi86, DKK24, KLM19, CJK<sup>+</sup>06]. **Sum-of-Squares** [CJK<sup>+</sup>06]. **Summary** [DHM65]. **Summation** [Kar81, KH64, RTW94]. **Sums** [Fre82a, DLT07, TKB95]. **SUP** [Sho77]. **SUP-INF** [Sho77]. **super** [Raz09]. **super-polynomial** [Raz09]. **Superdeterministic** [GF80]. **Superfluous** [Gin59]. **Supernormal** [MSW83]. **Supernormal-Form** [MSW83]. **Supersequences** [Mai78]. **Superstrings** [BLTY94]. **supervised** [BB10]. **Supervisory** [BB59]. **Supplement** [Neu54a, Neu54b, Neu54c, Neu54d, Neu55a, Neu55b, Neu55c, Neu55d]. **Support** [GM80, WRC65]. **Surely** [AM94]. **surface** [DL07]. **Surfaces** [GR74, New65, Wei66, AMS05, BER06]. **Survey** [Edw54, Fra65, Min67, MMW07]. **SWAC** [AF58, NJ57]. **Swap** [Ove24]. **Swapping** [Cof68]. **Sweeps** [EF89]. **Switch** [DJM17, HW04]. **switches** [LMNM03]. **Switching** [Chu61, FGL77, Har66, Hay75, Huf57, KR77, Kis91, KB81, Liu63, MP75, Paw80, Pot17, Ric73b, Ric73a]. **Sylvester** [SS13]. **Symbol** [Flo61b, Wat61]. **Symbolic** [AAGT15, BS59, Eld59, Gra62, GLW70, Ove66, Sla63, WL57, WH73, CGJ<sup>+</sup>03, PD98]. **Symbols** [Sho79, BP03a]. **Symbolwise** [BW94]. **Symmetric** [ADO21, Boo65, Bun71, But78, Cor63, EV62a, EV62b, GMvN59, La 64, LS24, PP65, PT57, Rei84, Zie68, von56, AT11]. **Symmetric-Definite** [PP65]. **Symmetry** [BEPS16, DLT94, DMR08]. **Symposium** [Ano79, Gra77]. **Synchronisation** [LR19]. **Synchronism** [DDS87]. **Synchronization** [Awe85, CN95, DHSS95, Doy23, HS21, HZ80, Nic93, RC69, ST87, DW04, FHS98, LLW10]. **Synchronized** [NT93a]. **Synchronizing** [LMS85]. **Synchronous** [AFL83, DVSC77, FL87, YUKY17]. **Synchrony** [DLS88]. **Synonymy** [LBB67]. **Synonymy/Antonymy** [LBB67]. **Syntactic** [Flo63, GS83, WH80]. **Syntactical** [Dem92]. **Syntax** [CF68, Gil66a, KT69, KP80, LS68, MG93, MM79]. **Syntax-Analysis** [KT69]. **Syntax-Directed** [CF68, LS68]. **Synthesis** [Bau85, BHK59, DG84, Fit60, Gil65, HL66, MC74, Per67, Smi82]. **Synthesizing** [CHJS15, Weg77]. **System** [Apt83, AS97, Bac54, Bak56, Bau56, BW57a, BN71, Blu66, Blu58, BS59, BLS92, BO56, BB59, BT69, BD77, CCF84, CG57, Cof69a, Cof69b, CR95, Del70, DK59, GMB85, Gel75, GLH57, GK59, GP18a, GM61, Hof84, HW55, KK74, KM72b, KM74, Kor83, LTT22, Lat81, LS87, Lei54, LNSW59, LY61, LS71, Lom61, Mar58, Mel56, Mey65, MS59, NBC72, OM78, Par79, Par80, Paw80, Pen65, PS70, QH68, Rah70, RG67, RY91, SM64, SC80, SK78, She59b, SAKS64, Sto73, Swa80, Swi57, Two63, UW87, Wan78, Yer66, BG96, Cor03, HHR97]. **Systematically** [BF61]. **Systems** [Adi71b, AFL83, AG73, AF77, ACDF78, ABND95, BL90, BW91, BBD<sup>+</sup>15, BBG89, BHK59, BZ14, BBCP20, BGH<sup>+</sup>95, BEF<sup>+</sup>21, BG15, Boo82, Bra77,

BB61, Bry82, BC73, CD87a, Can62, Cas76, Cha74, CN95, CHJS15, Cla79, CM64, CK68, CMT70, Coo66, CKP17, Coo64, CI74a, CI74b, CH84, DM87, Den65, DI87, DG62, ER80a, EGM16, FHV92, FK15, Fra60, Fra69, FR63, Fri56, GT23, GSV15, Gav67, GH23, GS92b, Gla91, GMW91, GS78b, GLW70, Had88, HP90, HST76, HZ80, Hol62b, Hoo66a, Hoo66b, HR63b, HR63a, Hue80, HY77, IAWK83, Igl76, Kam80, Kar68, Kle60, Kle67b, KM72a, KN81, KSS75, KSS77, LS88, Leu93, LS71, Lom73, LM94b, LFKN92, Mae77, Man67b, ME67, McC73, McL65, MNO88, MS74, Mit74, Mit72, MC70, NT93a, NT93b, ÖWA91].

### Systems

[Per67, Pri76, RC70, Ras70, Ros73a, SM64, Sal66, SK80, Sla72a, SEY15, Sti65, Sur87, TT85, Toy87, TW84, Ver95, VV12, Wil77, Yan82, Yas67, dG89, AGL00, AT10, BT95, Bro97, CT96, EY09, FGY00, HV02, MS96, MRR03, TKB95].

**Systolic** [vdSS89].

**Table** [BCFC<sup>+</sup>23, FKS84, Pap87, Riv78, TY79, BFG03]. **Tabled** [CW96].

**Tables** [Lar76, Mac57, Pag74, PU89, Pic64b, Pic64a, RS66, RS67, Yao81b, SS06a, WR03]. **Tabulation** [PT12]. **Tag** [CM64]. **Tagged** [Yel75]. **Tails** [ZTX21].

**takes** [ST04]. **Taking** [BC93, Hal99a, Hal99b]. **Tandem** [HB21].

**Tape** [Bab63, Blu58, Bro64, ER64a, FMR72, GS65, Gli65, Har68, HS66, HWB56, HU68b, HU69, Iba72, LS81a, Sud75, Sud78]. **Tape-Bounded** [HU69, Sud75].

**Tapes** [Gin61b, JSV97]. **Tardos** [HS19]. **Tarjan** [Deo76].

### Task

[BBD<sup>+</sup>15, BCS92, BLS92, Bru76, FK85, HB02, KSS75, KSS77, Man67a].

**Task-Scheduling** [KSS75, KSS77]. **Tasks** [AC81, BDF81, CRR18, DJ81, GJ76b, GS90, IK77, Kon24, MC70, Sah76, SC80].

**Tausworthe**

[TRA71, TRE73]. **Tautogies** [BE97]. **Taxonomic** [MG93]. **Taylor**

[CBHH61]. **Tchebysheff** [dV59]. **TCP** [BFM<sup>+</sup>19, DGS01, LPW02].

**TCP/IP** [BFM<sup>+</sup>19]. **Technical** [BT69]. **Technique** [And65a, AB70, Bay72,

BC74, Bri90, Den58, GM56, Jez16, KH64, PRR74, Phi62, Sob62, EGIN97].

**Techniques** [AM70, Bab63, BB77, CS85, ES76, GOS12, Gui78, Hof77, Hol62a, Isr57, Kle60, Lip57, RR64, Rut55, Sal63, ST73, SR60, Usm66, Niv10].

**technology** [Gra03]. **Telescoping** [Mae60]. **Teletype** [Pol64]. **temperature**

[BKP07]. **Template** [SU82]. **Temporal**

[AM90, AH94, BKMZ15, BMM18, BR23, CKP17, Dav17, Dea89, EH86,

EKS20, ERS24, NB95, SC85, AHK02, BK10, KJJ03]. **Temporary** [PK80].

**Tensor** [DLN73, HM13, HL13, Raz13]. **Tensor-Rank** [Raz13]. **Term**

[Hue80, Svo75, Toy87, Ven87, Yu75, YSS78, YLS82, BT95, TKB95].

**Terminal** [Gav71, Gin58, Hib61]. **Terminals** [LW57, Men65]. **Terminating**

[Hun84]. **Termination** [AH92a, Bri90, TKB95, UV88]. **Terms**

[Coo71, GK68, Kar81, Spi61]. **Ternary** [YR64]. **Test** [BFM<sup>+</sup>19, BCM<sup>+</sup>21, CG57, Eld59, GHL<sup>+</sup>87, Isr57, Kro67, LR77, Mus78, SD76, SS13].

**Test-Oracle** [BFM<sup>+</sup>19]. **Testable** [KMRZS17, GS06]. **Testing**

[BFR<sup>+</sup>13, Bra67, BR54, CST<sup>+</sup>18, DKT13, Glu63, GR17, GP18a, HK55,

HM13, Hon82, HT74, Kam80, KNY19, Kro73, Len89, MSY81, O'C64, RD81,

Set74, SSSU83, AB03, AC05, CSV07, GIS99, GGR98, GK99, Set75]. **Tests** [Gra55a, GSK59, Row57, Set78, UV88]. **tetrahedra** [ES09]. **Text** [AF77, BW94, BBH<sup>+</sup>87, Doy65, GNP20, KR92, SL68, Sal73, BYG96, FM05]. **Textual** [SS82, FGMS05]. **TFNP** [GHJ<sup>+</sup>24]. **th** [GLH57, HP59]. **Their** [BK95, CK15, CLW95, CS84, Eda22, FT87, Gau59, Gau60, GMW91, GFL87, Iba78, KBI<sup>+</sup>17, MM79, Nat67, Nip90, OF61, PV76, ANP<sup>+</sup>04, Har64, LR99, Niv10, Nou83, O'C64]. **Them** [DA68, GMPZ17]. **Theorem** [And81, Baa93, BDB23, BP15, BDFG19, Cha70, CC16, DEL80, DS13, GR60, GNRS92, Gre65, HRST17, Haj83, Hen79, HL76, HR91, Kar68, KY83, KG74, Lov68, Lov69b, Lov69a, MSW83, MSM85, Nev74, Ove74, Pap82, Pap85, Pet76, Rob63, Sha88, Sla67, SB68, Sla72b, Sla74, Sti73, TW88, War62, Win82, WRC65, WRCS67, de 86, Bul06, DNS05, Din07, ZY03, CGS15, Dix73]. **Theorem-Proving** [HR91, Lov68, Lov69b, Lov69a, Nev74, Ove74, Rob63, SB68, Sla74, Sti73, Dix73]. **Theoremhood** [van72]. **Theorems** [BB77, BM75, ESY85, Ros73a, Sla70, Smi70, CKL<sup>+</sup>07, LR99, Ros08, Rou01]. **Theoretic** [Cha74, CM78, FHV91, GS93, GI79, MH89, AL05, FGY00, GLJT23, KVV00, NR04]. **Theoretical** [AM70, EK72, Kle67b, KS74, MH82, Zad72, HS87]. **theoretically** [FCB08]. **Theories** [Baa93, BÉ91, CS71, CCM12, LS95, McD82, PS81b, Sho84, Sla72b, Sla74, BG98, NOT06]. **Theory** [AV82, ACPS93, AGS17, BL90, BK87, Blu67, BGK<sup>+</sup>22, BHR84b, BT71, Cha75, CLRS86, Cur63a, Cur63b, DP60, Ehr82, Glu63, GB92, Had88, Har66, Har69, HH71, Hol62b, HY84, IW91, KK70, Kap68, Kle66, KG74, Lam86a, MS19, Mau66, Nel87, Pic67, Pie73, RBCC19, Ras70, RZ19, ŠW98, SV85, Svo75, VSC24, Ven87, Ver95, Wan57, WH80, Yan82, Yeh68, You69, Zei72, von66, BLR13, BKR<sup>+</sup>01, DFPP02, EM07, FKP13, GJS12, MN05, Mul11, Pel98, SK96, SCD02, SN04, ZW03]. **Thermocouple** [Per54]. **Thesis** [Yao03]. **Thickenability** [FT22]. **Thin** [ES15]. **Thinning** [SR71]. **Third** [CR56, Neg66, Zaf69, Gra77]. **Third-Order** [CR56]. **Thompson** [AG17]. **Thoughts** [Sal71a]. **threads** [CHL01]. **Three** [Alo60, BM85, Bro03, CCSS14, CGM24, CD87b, Com68, DV95, Kei56, Red03, RS94b, Rök84, Ros83, She57b, Val03, YUKY17, Zar59, AHPSV97, BKL99, BT00, ES09]. **Three-Dimensional** [Com68, Ros83, YUKY17, BKL99]. **Three-Machine** [Rök84]. **Three-Point** [Alo60, Kei56]. **Threesomes** [GP18b]. **Threshold** [Mol18, She65b, WYCF14, Win71, Fei98, She65a]. **Thresholded** [Sk170]. **Throughput** [BFGY19, ZTX21]. **Thue** [Boo82, MNO88]. **tick** [DFSL14]. **tick-generation** [DFSL14]. **Tiebreaking** [BP23]. **Tight** [AB17, AAHK94, AACH<sup>+</sup>14, AC08, CeLT00, CKL<sup>+</sup>07, CADMD21, CFG<sup>+</sup>17, DKK24, DHK19, FG10, FV02, FNS21, GST16, Kla85, LT82, LLW10, AZ08, Kol04]. **tightness** [vD97]. **Time** [AIK84, Adi69, AAI69, Adi71a, Adi71b, AM94, AGOW66, ADLS94, Bab75, BLT93, BBS86, BE11, Bar16, BZ23, BSSV03, BZ14, Ber75, BN71, BP89, BLQT22, BEG<sup>+</sup>21, BGP17, BKK84, BK81, BK82, BDF81, BCL19, CDG<sup>+</sup>20, CW65, CMS89, Cho80, CW17, Cof68, CK68, CMT70, CAFS21, CM93, CLS21,



Col71a, CR95, Coo71, CKV90, CDW21, Dav17, DEL80, Del70, DV14, DM81, DP14, DFK91, Elk20b, Elk20a, EFR07, EH86, FL88, Fis65a, FMR72, Flo60, Flo64, FLS18, FLvMV05, Fra69, FKS84, GSH89, GS78a, Gal81, Gal82, Gal95, GNP<sup>+</sup>93, GH68, GS93, GS76, GL88b, GW85, GR79, GS73, GS90, HS91, Hal98, HPR15, HB21, HvdH22, HP72b, HKN18, HW76, Hol62a, HU68b, HPV77, Hor78, Isr57, Ja'83, Kam87, Kan83, KL86, KKT95, KT19, KS16, Kle67b].

**Time** [KM72a, KN81, Kne93, Knu61, Ko90, KW66, Lad75, LT82, LS81a, Lic23, LS24, LED76, LS77, LL73, Log79, LB79, Man67a, Man75, Mát90, McK87, Meg84, MY84, MMR15, MC70, NBC72, NB96, OR90, Oya87, Paw80, Pip78, Pri76, RA20, Ras70, Raz19, RV87, RS66, Rei80a, Rid76, Ros67a, Ros68, Rub55, SM64, SB82, SH88, Sav72, Sav84, SS79, SD83, Sch64, SFM78, Sev74, She67, Spe97, Spi69, SEY15, Sti65, TNS82, Tob82, TW61, TSOA80, Ukk82, Val15, Wag97, Win65a, Win67, vW96, AFN04, AGL00, AHK02, AZ05, Aro98, AMM09, BL04a, BP11, BM11, Cha01, CFM10, CRTY23, Coh00, FGMS05, FMNP19, Gro12, Hal07, HK99, HW04, JSV04, KP03, KT99, Kar00, KSY14, Kor08, KSS10, KVW00, OR02, PPSZ05, PSSZ13].

**time** [RS09a, SSS06, ST04, Ste03, Tho99, WB97, Hal02].

**Time-Bounded** [Coo71].

**Time-Dependent** [OR90, Rid76].

**Time-Domain** [Sti65].

**Time-Shared** [CK68, KN81, KW66, Ras70, Kle67b].

**Time-Sharing** [Adi69, AAI69, Adi71a, Adi71b, AGOW66, Bab75, BN71, Cof68, Fra69, HP72b, NBC72, She67].

**Time-Space** [Ja'83, LT82, Pip78, Raz19, Rei80a, BSSV03, FLvMV05].

**time-varying** [AZ05].

**Time-work** [Spe97].

**Timed** [ACM02, FMNP19, Par79, Par80, Unr15].

**Timed-Release** [Unr15].

**Times** [AC81, BDF81, CAA74, IS78, KM74, KW66, Mar82, RKN75, SC80].

**Timestamp** [HHPW14, HV02].

**timestamping** [DW99].

**Timing** [ADLS94].

**Toeplitz** [HC72, Wat73, Zoh69, Zoh74].

**Tolerance** [CYZG14, Rab89, BN01].

**Tolerant** [DHSS95, DI87, LS88, BKW03, BGM<sup>+</sup>98, DFSL14, JCT98, Kea98].

**Tools** [ACDF78, FL88, KW20].

**Top** [CF68, HSTV14, SMK18, UV88].

**Top-HSTV14**. **Top-Down** [CF68, SMK18, UV88].

**topic** [BGJ10].

**Topics** [Ear74].

**Topological** [BBFD23, Cry71, MP71a, MP71b, Nat67, BKL<sup>+</sup>06, HS99].

**Topologies** [Das77].

**Topology** [Cha72, KLPP15, TM73, CR12].

**Total** [CADK<sup>+</sup>24, Col70, HKN18, LW57, NW73, Sev74, BL04a].

**trace** [AT11].

**traceable** [DW99].

**traceback** [Adl05].

**Traced** [BIM95].

**traceroute** [ACKM09].

**Tracking** [AP95].

**Tractability** [Che17, McA93, GKS04].

**Tractable** [BKTW22, Mar13, NB95, CJKK00, GMS09, KJJ03].

**Trade** [Adl05, AGPV90, Dal73, DEL80, DI05, HMR83, Ja'83, LT82, PU89, Pip78, Rei80a, Sav84, BPC<sup>+</sup>12, BSSV03].

**Trade-Off** [AGPV90, Dal73, PU89, Pip78, Rei80a, BPC<sup>+</sup>12, BSSV03].

**Trade-Offs** [DEL80, Ja'83, Sav84, Adl05, DI05, HMR83, LT82].

**Tradeoff** [Log79].

**Tradeoffs** [Raz16, AMM09, Spe97].

**Trailing** [BFGL79, FG76].

**Trajectories** [LWS55].

**Transaction** [AV89, BBG89, Rou24].

**Transaction-Based** [AV89].

**Transactional** [AGHR17].

**Transactions** [AV88, BDFG19].

**Transcendental** [Lan59].

**Transcendentals** [Dav77, RD81].

**Transcode**

[HW55]. **Transcription** [Bla59]. **Transducers** [AD17, SMK18, ANV13].  
**Transducing** [KR14]. **Transduction** [LS68]. **Transfer**  
[Abe80, GK58, HA56, JP84, Sal60]. **Transferability** [AGK<sup>+</sup>17]. **Transfinite**  
[HR91]. **Transform** [Bas58, DA68, KB81, LMN93, Mor73, NBC72, Pap79a,  
Pea68, Tit55, LZ01, Man01]. **Transformation**  
[BMT92, BH74, BD77, Lov77, VVAG97, Wan80, Wee62]. **Transformations**  
[Har86, Wil59b]. **Transformed** [But79]. **Transformer** [She65a, She65b].  
**Transformers** [Hoa78]. **Transforming** [HP99, MLS76]. **Transforms**  
[Cru76, DA68, KN14, KL70, Wee66]. **Transient** [RW88]. **Transition**  
[Bav68, Lom73, OD67, BG96]. **Transition-Preserving** [Bav68].  
**Transitions** [Jun03]. **Transitive** [EPL72, TS10, BG98, DI05]. **Translated**  
[Yer65]. **Translating** [AGG62, Got95b]. **Translation**  
[BM62, Bro58, DK59, EKS20, Lyn77, Mey65, RR64, SFR68, Weg69, Zar59].  
**Translations** [KP80]. **Translator** [Gra62]. **Translator-Oriented** [Gra62].  
**Transmission** [DDWY93, MS92, TL95, BPC<sup>+</sup>12]. **Transmissions** [CD21].  
**Transportation** [Den58, DG57, Har76, Ram80, RKN75, ST73, TW61].  
**Transposing** [Ber58, WSD59]. **Trapdoor** [BM92]. **Trapezoids** [AAI86].  
**Traveling**  
[BH74, CNP85, FN93, GG78, MTZ60, MS16b, STV20, Aro98, BFJ<sup>+</sup>03].  
**Travelling** [Bel62, PB89]. **Traversal** [HP76]. **Traversing** [Pap76].  
**Treatment** [Bel62, Cra54, Kle67b, BT00, BM96]. **Tree**  
[AD17, BSP82, BGRS13, CH90, CADK<sup>+</sup>24, Cur61, Cur63a, CMNP18, Dav90,  
DGM94, FM70, FL18, GSV15, Gav83, GS83, HP76, HR91, HY77, Hwa79,  
McC76, MSM85, PY82, PS81a, Ros73a, SMK18, Sta70, Tai79, ACK08, Cha00b,  
CT06, FCFM00, FG99, FFG02, FG01, HdLT01, PR02, Ree03, Shi10, TS10].  
**tree-decomposable** [FG01]. **tree-decompositions** [FFG02].  
**Tree-Manipulation** [Ros73a]. **Tree-Searching** [Dav90]. **Tree-to-String**  
[SMK18]. **Tree-to-Tree** [Tai79]. **Trees**  
[AJ76, AM78a, ADK17, BC93, BLQT22, Bur76, Cha72, Dev86, FK16,  
GNP20, GJ80, Got95a, Gre73, GSV84, Har86, Hen85, Hib62, HO82, JSS16,  
KLM19, KR89, KKT95, KW89, MT85, Nau83, NW73, Pfa75, Pro80, RR92,  
Ros79b, RP89, RV78, San69, SL15, SD69, ST85, Smi84, SF80, Spr92, ST72,  
Sta72, Sup83, Tar79, Tar83, Weg88, Wil87, Yan85, Yi12, Zer85, ZZ17, vO93,  
AT07, BMSS09, CHL01, Drm03, FLMM09, GKS06, KZ98, MR98, Van07].  
**Treewidth** [BHM11, GLVV12]. **Trench** [Zoh69]. **Triangle**  
[CPSZ21, WW18]. **Triangles** [GP18b]. **Triangular** [Wil59b].  
**Triangularization** [Hou58c, Mor60]. **Triangulation**  
[KSW09, MR08, RS09a]. **Triangulations** [Rub15, RW23, BM11].  
**Tridiagonal** [HST76, Ort60, Sto73]. **Tridiagonalization** [Hou58b]. **Trie**  
[CS77]. **Tries** [Szp90, BYG96]. **Trinomial** [LV57]. **Trip** [SD83]. **Triple**  
[Elg54, von62]. **Triple-Diagonal** [von62]. **Trivalent** [GHL<sup>+</sup>87]. **True**  
[BC14, GOS13]. **Truly** [BEG<sup>+</sup>21, CDG<sup>+</sup>20]. **Truncation**  
[Gra55b, Laa58b, Wee60]. **trust** [LMW05]. **Truth**  
[LOS02, Mie57, Nat67, Net59, Pra60]. **Truthful**

[BKS15, DV16, Kon24, LS11]. **Tseitín** [Hås21]. **Tshebysheff** [Min57]. **TSP** [AKS15, KLSS05, TV19]. **Tuned** [Hob93]. **Tunnel** [HWB56]. **Tuple** [AG86]. **Turing** [Yao03, Arb61, Cas71, Cur65, Fis65b, Har68, HS66, HU69, Hun84, Kar67, LR65, RW63, Wan57, Wat61]. **Turn** [GN94, HMZ13]. **Turn-Based** [HMZ13]. **turnip** [HP99]. **Twin** [BKTW22, BGdM<sup>+</sup>24]. **Twin-Width** [BGdM<sup>+</sup>24, BKTW22]. **Two** [AM85, BEF<sup>+</sup>21, BMSS09, BKT67, BS85, BL66, CCF84, Cal61, CD87b, Cof68, CG93, CH79, CP91, DW64, Fei84, Gab82, GJ76b, GS22, GR62, GS65, GH70, GI82, HP72b, HS66, Hib61, HW67, HW76, HR63b, HR63a, ILP97, Ita78, JSV97, Kan80, KS66, KSG68, La 64, Lee80, Lip57, MR10a, Par61, PS78, Ram80, Rei71, Sal66, Shi80, Wag97, Wes67, Win82, de 86, vdLL86, BS88, CDT09, SS06c, GHKL11]. **Two-Commodity** [Ita78, Ram80]. **Two-Dimensional** [BEF<sup>+</sup>21, Cal61, Lee80]. **Two-Level** [HR63b, HR63a]. **Two-line** [Par61]. **Two-Party** [GHKL11]. **Two-Phase** [BS85, ILP97]. **two-player** [CDT09]. **Two-Point** [HW67]. **Two-Processor** [CG93, Gab82]. **Two-query** [MR10a]. **Two-round** [GS22]. **two-server** [SS06c]. **Two-Tape** [GS65, HS66]. **Two-Variable** [Fei84, Kan80, BMSS09]. **Two-Way** [CP91, GH70, GI82, KS66]. **Typability** [KTU94]. **Type** [AGS17, Bak56, BBR54, Bau58a, Bon70, FLO83, Fro61, HK54, KV15, Pie73, RBCC19, Tra66, BT07, Cha00b, Che19, ORSS12, SP07, Tre54]. **Types** [Boo82, Ehr82, Gin61b, GW23, GR20, HYC16, KU80, SH21, Wil87, AB05, FCB08]. **typing** [Aba99, GKPS05].

**U.S.S.R.** [Leb56]. **Ultimate** [PP65, RC69]. **Ultimate-Definite** [PP65]. **Ultra** [CGT10]. **Ultra-low-dimensional** [CGT10]. **Ultraconcurrent** [Rem81]. **Unambiguity** [GU66b]. **Unambiguous** [KT69]. **Unary** [CKV90]. **Unbalanced** [GUV09]. **unbordered** [HN07]. **Unbounded** [BKK14]. **Uncertainty** [ADLS94, FHS13, BLMS97]. **Unconditional** [May01]. **Uncoupled** [CS85, FCMG22]. **Undecidability** [BK14b, Har86, JS08, Wan74b]. **Undecidable** [GMSV93, Har69, HU68a]. **understand** [Lam03]. **Understanding** [LPW02, TWZ23]. **Undirected** [DHK19, Gib69, HKN18, Rei08, Shi80, Tho99, Wel66, AZ06, ATSWZ00, Coh00]. **undominated** [BLP09]. **Unequal** [AM80, PGE75, AM80]. **Unification** [Baa93, GNRS92, Jaf90, Jez19, Nip90, Sti81, Wal88]. **Unified** [BS89, EKS20, HS86, Kir81, Tar81b, BNBYF<sup>+</sup>01, KMPS09, SN04]. **Uniform** [All89, ACJR21, CM67, DSS22, Gin58, GS78b, GJL19, GPV89, KMW67, Lar83, MM65, SC80, TC21, Wag97, Wes67, Yao85, ABDCBH97]. **Unifying** [CRR18, Lov72]. **Unimodal** [New65]. **Union** [SY80, Tar75, Tv84, vO93, ES09, FCB08]. **Union-Copy** [vO93]. **unions** [ADK06, DS12]. **Uniprocessor** [BBD<sup>+</sup>15]. **Unique** [ABS15, KV15, Pap84]. **Uniqueness** [PKT90]. **Unit** [Ano68, BBB<sup>+</sup>21, Cha70, HW74, LM86, PGL76, Rub15]. **Unitary** [Hou58c, Mor60]. **Units** [Bli72, FMR72, FB75, LS81a]. **Univalence** [TTS21]. **Univariate** [CD87a]. **Universal** [ADK17, AAF<sup>+</sup>01, BZ23, BB95, Baz57, BS23, CF68, FK16, Gol82, Gor57,

KBI<sup>+</sup>17, KPP<sup>+</sup>15, Smi71b, Wat61, AD01, YCW99]. **Universal-stability** [AAF<sup>+</sup>01]. **Universality** [CM64, MS21]. **Universally** [Can20]. **Unknown** [YZJ18, DKP98, HB02]. **Unknowns** [Mou65a]. **unless** [DV14]. **Unnormalized** [AM59, Ash64]. **Unrecognizable** [MP66b]. **Unrelated** [DJ81, LL78, KMPS09]. **Unreliable** [AAF<sup>+</sup>94, CT96, Pip89]. **Unrestricted** [Men19]. **unsatisfiability** [Ats04]. **Unseen** [VV17]. **Unsolvability** [BM84, CS68, Di 69b, Gre66, Gri68]. **Unsolvable** [GR63b]. **unstructured** [ABF<sup>+</sup>02]. **Unsynchronised** [WSY<sup>+</sup>19]. **Untrusted** [GGV<sup>+</sup>24, MS16a]. **Up-and-Down** [TRA71]. **Up-to-** [GW21]. **Update** [Hal02, HKN18, Smi79, AS13]. **updated** [GE01]. **Updates** [CP84, Pap79b, Set82]. **Updating** [DHM65, Sin86]. **Upon** [Bak62, Smi70]. **Upper** [Che19, CHK82, Hib61, Kis91, KMW16, NW73, RS94b, SEY15, CR12, Kol04]. **Upward** [DHK<sup>+</sup>17]. **URAL** [Baz57]. **Usage** [Low68]. **Use** [AF58, AACHE15, AACHE18, Beu70, Bot62, Cur63b, Gra63, HW67, Huf57, LS88, MF63, Por66, RD81, Was54, CBFH<sup>+</sup>97, DW99, FV02, LR99]. **Used** [Gra55a, Rah70, She65a, She65b, BY96]. **Useful** [Doy62]. **Useless** [Set82]. **User** [Fra61, AZ05]. **user-dependent** [AZ05]. **Users** [AP95]. **Uses** [DR54, FT87]. **Using** [AGPT16, AGHR17, BB77, BC81, BKT67, BJL<sup>+</sup>82, Chu61, Cru76, Cry70, DLN73, Dea89, Dub66, GGS89, Gab06, GNRS92, Gau61a, Gla65, Glu63, GM56, GX22, HS87, Hoc65, HWB56, KT68, Kow75, LY61, Mac55, MS16a, Mon68, Mou65b, Oli67, Pea67, PGE75, PT57, Pul55, Pyl64, Sal63, Sam81, SD76, Sev74, She14, Tar72, Ver95, Was80, Wee66, Win82, Yen72, YSS78, YLS82, Zer85, dG89, FKL98, GW95, GK99, HV02, JV01, JMM<sup>+</sup>03, KOY09, KRV09, KSW09, PD98, PMH09, Zwi02]. **USSR** [GV61]. **Usually** [GW76, ST04]. **utilities** [VY11]. **Utility** [CM78, Tre54]. **Utility-Theoretic** [CM78]. **Utilization** [GV61, Pri76].

**Validation** [BFM<sup>+</sup>19]. **Validity** [GMW91]. **Valuations** [DV16]. **Value** [Ber54, BH65, CM61, Col58, Cry71, Dad88, DH56, Ehr59, Giv57, KK70, PKT90, RL80, RK23, TSG85, Usm66, Was71, Zaf69, BLP09, DJKK08, ST80, RL81]. **Value-Vector** [Giv57]. **Valued** [TZ16, KZ13]. **Values** [ABF17, Fik59, Pet62, Rei86]. **Vanish** [MR93]. **Vapnik** [BEHW89]. **Vardy** [GUV09]. **Variable** [BJL<sup>+</sup>82, Cur62, EV62a, EV62b, Fei84, Fra65, Kan80, KU80, Liu63, TS74, BMSS09]. **Variables** [And66, Ber69, DG62, FJ60, HV95, HW76, HL76, KSG68, LTV96, OT95, Wil62, HV07]. **Variance** [Bay72, Hem64, Lie59]. **Variant** [Wan57]. **variants** [GMS09]. **Variations** [DST80]. **Varieties** [Nip90]. **Various** [Ben80, Wol65]. **varying** [AZ05]. **VC** [MY16]. **Veblen** [Kle60]. **Veblen-Wedderburn** [Kle60]. **Vector** [BBE<sup>+</sup>21, BEF<sup>+</sup>21, Giv57, OD67, Str83, BOG02, FPS98, HV02, Kho05, Mye99]. **Vectors** [BKST78, CDW21, KLP75, MRR03]. **Vegas** [Cla95, GHL<sup>+</sup>87, LPW02]. **Venture** [Mel56]. **Verifiable** [YZ24]. **Verification** [AAHK94, AAGT15, BFR<sup>+</sup>22, Bra78, Bry91, CY95, EGM16, GGV<sup>+</sup>24, Sch80, SJ80, Win82, ALM<sup>+</sup>98, BOG02, PD98]. **Verified** [SVN<sup>+</sup>13].

**Verifiers** [DS92a, DS92b]. **Verifying** [BL19, CKP17, Kam89, Weg76, Hoa03]. **Versus** [AFL83, HPV77, AG87, BAG92, Coo03, EH86, Ste03, vD97]. **Vertex** [BYCHS17, BE11, ME67, TW88, WLS85, CLL<sup>+</sup>08, Gab06]. **Vertex-Allocation** [TW88]. **vertical** [Kol04]. **Vertices** [KW20, PS78]. **Very** [Lie59]. **VI** [Igl76]. **Via** [CKN18, AB03, AC24, ABDH<sup>+</sup>20, BKK<sup>+</sup>18, BLR10, BBEG18, BS23, BGRS13, CPSZ21, CF12, DPSV08, DRY16, ENRS00, FOS14, FFG02, FGLS19, GS92a, GKPR07, HKM<sup>+</sup>22, Hof84, HPZ24, KB81, LS11, MS18, MMHW97, OV23, RPE81, SS82, VK96, WB97]. **Vibration** [AC55]. **View** [FL18, Ham69, Lov72, Yer65]. **Viewpoint** [Mit72]. **Views** [CP84, Wei66]. **virtual** [AAF<sup>+</sup>97]. **Visibility** [ACW91]. **VISION** [Wei66]. **Visits** [EF89]. **Visual** [Hue73, Hue74]. **VLSI** [CM85, CS88b, CDMP92, GE84, HM85b, JP84, Ja'84, Kis91, Ram86, Ros83]. **Volterra** [Lin69]. **Volume** [DFK91, LZ01]. **Volumes** [CH79, You63]. **Voronoi** [Lee80]. **Vortex** [TW24]. **Votes** [GMB85]. **Voting** [BDS87, HHR97]. **VPN** [GOS13]. **vs** [CG93, Cra55, Elg54, KNY19, Mul11].

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**WRITES** [Rei87].

**XML**

[AW08, ADLM14, AL05, AL08, BLPS10, BMSS09, FL02, FK16, GKPS05].

**XOR** [DKK24]. **XPath**

[BFG08, BP11, FFM08, GKPS05, MS04, tCL09, TS10]. **XrML** [HW08].

**Yaw** [ZL58]. **years** [McC03]. **Yen** [WW73]. **Yield** [GMW91]. **Young** [Til58].

**Zero** [CFGS22, GMW91, GOS12, Hei71, Joh71, Ros71, BBP95, DNS04, SV03, DS92b]. **Zero-Knowledge** [GMW91, GOS12, BBP95, DNS04]. **Zeros** [COW23, Fra58a, Klo61, RS63, Smi70, Wan74b, Wil78]. **Zvegintzov** [Yer65].

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