A Complete Bibliography of Publications in the *ACM Symposia on Theory of Computing (STOC)* for 1980–1989

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05 April 2013
Version 2.07

Title word cross-reference

2 [Mil84]. $2n$ [BJ85]. 3 [Blu89, Yao83]. $=$ [DL80]. ^{1} [Bar86, BT87]. d [YY85]. g [HI87]. K [Ko88, CSY84, GKS86]. l [DGS88]. n [Mey85, adH83]. $O(((m+n)n^2+(m+n)^{1.5}n)L)$ [Vai87]. $O(1)$ [FN89]. $O(g)$ [HI87]. $O(\lg n)$ [Bra85]. $O(\log\log N)$ [AKSS86]. $O(\log N)$ [Upf89, BP84]. $O(n)$ [Bro86]. $O(n^{0.4})$ [Blu89]. $O(n^2\log n\log^* n)$ [Blo80]. $O(n\log n)$ [AKS83]. ω [CH81, SV89]. s [BKRU89]. t [BKRU89].

-approximation [Blu89]. **-automata** [SV89]. **-coloring** [Blu89]. **-connected** [Mil84]. **-dimensional** [Mey85, YY85, adH83]. **-exclusion** [DGS88]. **-hulls** [CSY84]. **-page** [GKS86]. **-sequence** [CH81]. **-space** [Yao83].

2n [Cop84].

Abstract [Ang80, BL82, Bro80, CD80, Fag80, HVY81, HS80, Hof80, Imm82, JY81, KT80, KR81, Kin81, KLLM81, Lei82, Llo80, MS82, OvL80, Rei80, Sto80, Str80, Var82, Wil82, Yao81a, Yao82, VW84]. **accelerating** [CV86]. **Access** [BMS81, Bro80, HLR87, Mye83]. **achieve** [AK88]. **achieving** [DHS84]. **ACM**

[ACM80, ACM81]. **acyclic** [BFM+81]. **adaptive** [ABNLP89b]. **addition** [Huy85, Kos82]. **adjusting** [ST83]. **admit** [Tom80b]. **affine** [JM85]. **agreement** [DS82, FM88]. **agreements** [GY89]. **algebra** [BOKR84, FR85]. **Algebraic** [Smo87, BO83, Can88, Cle88, EM80, Hua84, Ja'80, KLL84, vzG83]. **algebraically** [Ier89]. **algebraically-closed** [Ier89]. **algebras** [PP81, Pra80, Ron87]. **algorithm** [AM84, AGSS87, AA87, And85, BBL83, BOFKT86, BO88, Blo80, Blu89, BFF85, BLS87b, Cla85, CL86, DF89, FM80, FK84, GT83, Har85, Kar84, KW84, LV86, Lub85b, May81, MR87, Mul86, Orl88, SS86, TV86, Vai87, Wig82, adH83]. **algorithmic** [Mir80]. **Algorithms** [LM85, AC88, Awe87, Awe89, Bac82, Bac87, BS85, CEGS89, Cla84, Cla87, CM89, CV86, DS87, DS82, FG88, FM88, FL89, GT88a, GW88, Gal84, Kan83b, KV86, KR88, KT80, LS86, MMS88, Mey85, Mot89, NNS87, PKR82, PY88b, Pnu83, RS81, Tom80b, Tur83, vzG83]. **allocation** [CL86, Lyn80]. **Almost** [GT88a, GK86, Hås86, JWR81]. **Almost-optimum** [GT88a]. **ALOGTIME** [Bus87]. **alternating** [ITT82, Kin81, MT82]. **Alternation** [Kan83a]. **Amortized** [ST84]. **Analysis** [HLR87, Bac87, GM81, HMT88b, KLMS84, LS86, LM88, Mot89, PY88b, Tur83]. **Angeles** [ACM80]. **Annual** [ACM81, ACM80, ACM82, ACM83, ACM84, ACM85, ACM86, ACM87, ACM88, ACM89]. **answering** [Yao82]. **any** [BM88, GMW87]. **application** [CHMP81, Kal87, SvEB84]. **applications** [BFM88, CEGS89, Cla86, GW88, Har84, LS86, NY89, Yao83]. **approach** [Cyp80, Fed89, Fre87, GT86, PSS80, Sip83b, YY85, óSY83]. **approximate** [FG88, LV86, Sto83a, Wig82]. **approximated** [PW89]. **approximating** [BYE82, DF89]. **Approximation** [Cla87, BBL83, Blu89, Bro86, Cla84, GT87, HS84b, JS88, PY88a]. **approximations** [Raz89]. **April** [ACM80, ACM83, ACM84]. **arbitrary** [Mul86]. **archimedean** [Vit84]. **architecture** [PY88b]. **architecture-independent** [PY88b]. **area** [BP84, Blu84]. **area-maximum** [Blu84]. **arithmetic** [Alt84, BK80, Bus85, CU89, CW87, JY81, Kos86, Vai87]. **arrangement** [EG86]. **array** [AK82, GR85]. **arrays** [KA86, RT85]. **Aspects** [Sie86, SS89]. **assemble** [BL82]. **associative** [CFL83a]. **asynchronous** [AFL81, HV88, Iwa83]. **atomic** [DGS88]. **Automata** [VW84, Eng83, Gác83, GH82, KV89, MS81b, RS89b, SV89, Ukk80]. **automaton** [DG81]. **auxiliary** [Pip80]. **Average** [CM84, AM84, BDCG89, LS86, Lev84, Mot89]. **average-case** [Mot89]. **axiomatization** [Mir80, SU80].

backoff [HLR87]. **backtrack** [CSW85]. **Bandwidth** [MS81a, Tur83]. **based** [HMT88b, OSS84]. **be** [CS80, GK86, PW89]. **behavior** [BJL+84, BS85]. **Berkeley** [ACM86]. **better** [DG81, DG82, MSS87, MS82]. **between** [AM84, AEL85, AFL81, Bop89, CHMP81, DKS+81, KL80b, KA86, LTT89, PU88, Upf84]. **bidirected** [Gab83]. **biinfinis** [NP82]. **bin** [BJL+84, KLMS84]. **binary** [BK80, Cul85, HVY81, JWR81, PRS81, ST83]. **bipartite** [GT88a]. **bits** [BOCS83, KLL84]. **bivariate** [Kal82]. **blocking** [FFP86]. **blue** [JWK81]. **bodies** [DF89]. **boolean** [Alt84, BP87, Bus87, CK89, KLPV87, KV89, Nat87, Smo87]. **Borel** [Sip83a]. **Boston** [ACM83]. **bottleneck** [HS84b]. **bound** [KZ88]. **Bounded** [Bar86, DS89, AM84, BGM82, Bop84, Bus85, DPPU86, FSS83, HS84a, Mil80, Mir80, RST82, Sim81]. **Bounded-width** [Bar86]. **Bounds** [BDFP83, CD82, PRS81, ABH+86, BH87, BO83, BRT89, DPGR83, DGS84, Fic81,

Fic83, FadHRW85, Hås86, Kin88, Lei84, LS86, LY86, LS81, Maa84, PKR82, PSS80, Smo87, Val83, VS85]. **branch** [KZ88]. **branch-and-bound** [KZ88]. **branching** [ABH+86, Bar86, BDFP83, EH82, ES84]. **breaking** [Adl83, GPS87]. **broadcast** [Gre82]. **Building** [BBE+84]. **Butterfly** [BCHR88]. **Byzantine** [Bra85, FM88, GY89].

calculus [KM81]. **California** [ACM80, ACM82, ACM86]. **can** [CS80, GK86]. **canceling** [GT88b]. **cannot** [PW89]. **Canonical** [BL83]. **capture** [Imm83]. **captures** [CRRS89]. **cascades** [CV86]. **case** [BDCG89, CM84, DGS88, GT83, GS88, LS86, Mot89]. **cell** [FS89b]. **cellular** [Gác83, GR85]. **certain** [Kal87]. **certified** [GK86]. **chains** [JS88]. **Channel** [Mir84]. **channels** [HLR87]. **characterization** [BMS81, Old83]. **characterize** [Ven87]. **check** [BK89]. **Chervonenkis** [BEHW86]. **Chicago** [ACM88]. **chip** [BK80]. **chordal** [NNS87]. **circuit** [Alt84, Sip83a, Smo87]. **Circuits** [Yao89, ACR88, AUY83, AIS84, Bop84, CFL83a, Fic83, Hås86, KW88, Kis82, MT87, Rei89, Sie86, Val83]. **circulations** [GT88b]. **City** [ACM87]. **class** [BMS81, SU80]. **Classes** [HVY81, Eng83, Imm83, KL80b, PY88a, Sim81]. **Classifying** [BEHW86]. **clauses** [Fag80]. **clock** [DHS84]. **closed** [Ier89, SS89, Sim81]. **closure** [Kal86, Tom80b]. **clustering** [FG88]. **coin** [Cle86, CV86]. **coins** [GS86]. **collapses** [Hem87]. **collections** [FK84]. **coloring** [Blu89, VL88, Wig82]. **combinatorial** [AIK81, Yan88]. **combinators** [CEGS89]. **common** [Kal85]. **communicating** [Vaz85]. **Communication** [OE84, PS82, ABNLP89a, DGS84, FL84, Fur87, Gre82, HMT88a, HR88, Iwa83, LTT89, RS81, VB81, Vaz85]. **commutative** [Huy85]. **commute** [CRRS89]. **Compact** [ABNLP89b]. **compactness** [KA84]. **Comparative** [Pip80]. **Comparison** [Alt84, KS84]. **comparisons** [BJ85]. **Competitive** [MMS88]. **complement** [Sim81]. **complementation** [Rei82]. **Complete** [Mir80, MS81a, BBE+84, Lev84, PRS81, SU80, USS81]. **Completeness** [BOW88]. **Complexity** [EM80, AIK81, ABNLP89a, BDCG89, BOKR84, BP87, BK80, CSW85, hC81, CM81, CEG87, DGS84, Eng83, FT85, For87, FS89b, Fur87, GMR85, Gre82, HMT88a, HV86, Huy85, IL80, Imm83, JWK81, Jw80, Kal87, KL80b, Kin88, Kre86, Lei84, Lei81, MT87, Orl81, PS82, PY82, PY88a, Sim81, Sip83a, Sip83b, SC82, Smo87, Sto83a, Var82, Vaz85]. **compose** [BKP84]. **composition** [LR86]. **compositional** [Ger84]. **Compression** [GS85]. **computable** [BMS81, Imm82, Kal86]. **computation** [BO83, BOW88, BC80, BH82, CD80, CM81, FadHRW85, FS89a, Gác83, GS83, HL89, JY81, Kin81, LY86, PSS80, Upf84, Vis84, Yao81b, Yao89]. **computational** [Cla86, FR85, MT87, RS89a]. **computationally** [KUW85a]. **computations** [BP87, Can88, RST82, Yao81a, ABO84]. **compute** [CD82, HS80, Mul86]. **computer** [GP81, JY80]. **computers** [BS88, SS86]. **Computing** [ACM80, ACM81, ACM82, ACM83, ACM84, ACM85, ACM86, ACM87, ACM88, ACM89, Cle88, FB86, Kal85, AGSS87, HVY81, MS82]. **concepts** [BEHW86]. **concrete** [Bac82]. **concurrency** [dBMOZ85a, Yan81, dBZ82, dBMOZ85b]. **Concurrent** [Pel85, Bea86, Bop89, CVW86, Man84]. **concurrent-write** [Bea86, Bop89]. **concurrrent** [DS89]. **Conductance** [JS88]. **cone** [Hof80]. **Conference** [ACM80, ACM81]. **configurations** [OvL80]. **conflicts** [Wil84]. **conjecture**

[Bir89, Bsh89, KMR89]. **conjectures** [LPS86]. **connected** [AK82, KA86, Mil84, SS86]. **connection** [KLMR89]. **connections** [KL80b]. **connectivity** [BKRU89, KW88, KT80]. **connectors** [DDPW83]. **consequences** [All87, IR89]. **considerations** [Vaz87]. **consistency** [DL80]. **consistent** [PW89]. **constant** [ABO84, Cle88]. **constrained** [FW88, Gab83, MS81a]. **constraints** [CK85, Llo80, OE84]. **constructible** [DS89, Ist88]. **Constructing** [KUW85b, PU87, Sei86, FK84]. **constructive** [CU89]. **consumption** [ACR88, Kis82]. **contraction** [AH82]. **control** [Yan81]. **controlled** [LLS87]. **convergence** [DM84]. **converse** [Str81]. **Convex** [Cha81, AGSS87, CEG87, DEY86, DF89, KV86, Sei86]. **convexity** [KR81]. **Coordinate** [GPS89]. **core** [GL89, SvEB84]. **Correcting** [DMMU84]. **correctness** [Yan81]. **cost** [GT87, GT88b, Orl88, Sei86, Sto80]. **counter** [hC81, DG81]. **counting** [Awe87, Sto83a]. **cover** [BYE82, CRRS89]. **CRCW** [BH87]. **CREW** [Nis89]. **Critical** [Llo80]. **Cryptographic** [DLM82, KV89, BOCS83, BOW88, HS85, LR86, NY89]. **cryptography** [Kil88]. **cryptosystems** [Adl83]. **cutting** [CEG87]. **cycle** [Fic81, Mil84]. **cycles** [BFF85, CM89, GT88b, Ist88, IS87, KS88b].

Data [Fre83, FS84, ABNLP89b, DSST86, FS89b, ST81]. **database** [BFM+81, CK85, CGKV88, Fag80, Yan81]. **databases** [SU80]. **DC** [ACM84]. **Deadlock** [Tou80]. **Deadlock-** [Tou80]. **Decidability** [Kos82]. **Decidable** [CGKV88, CH81, Fei83, KL80a]. **Deciding** [ES84]. **Decision** [EH82, BH87, FL89, KUW85a, KV87, MT82, Nis89, Ukk80]. **decomposability** [Iwa83]. **decompositions** [Cha81]. **Definability** [MP80, dR84]. **degree** [DPPU86, Gab83]. **degree-constrained** [Gab83]. **delay** [Agg85]. **deletion** [AH82]. **Denotational** [dBZ82]. **dense** [Wil82]. **dependencies** [CLM81, Fag80, KCV83, SU80]. **depth** [AA87, AAK89, ABO84, Alo85, Alt84, Bop84, DDPW83, Hås86, KW88, KPPY84]. **depth-first** [AAK89]. **Designing** [BK89, CV86]. **desirable** [Upf84]. **Detailed** [OvL80]. **Detecting** [KS88b, CM89, VV85a]. **Detection** [CD80, Fic81]. **Determining** [Gon84, BOFKT86, FM80]. **determinism** [MS82]. **Deterministic** [AKSS86, AKS87, CV86, BO88, DT83, Für82, GS88, Jw80, Maa84, Ukk80, Upf89]. **DFA** [PW89]. **diagram** [AGSS87]. **diagrams** [GS83]. **diameter** [DF83]. **difference** [AFL81]. **different** [HR88]. **difficult** [CS80, FB86, Ron87]. **Digital** [KR81, KA84]. **dimension** [AM84, BEHW86]. **dimensional** [GR85, ITT82, Mey85, Sei86, YY85, adH83]. **direct** [Bsh89]. **directed** [AAK89]. **discreet** [LW83]. **discrete** [LLS87, LW83]. **disjoint** [BS85, GT83, PU87]. **disks** [KA84]. **distance** [STT86]. **Distributed** [RS81, Vit84, Awe87, ABNLP89b, Awe89, BOW88, CDDS85, Lyn80, MS82, PKR82]. **distribution** [Pla80]. **division** [Kos86, Rei89]. **division-free** [Kos86]. **divisors** [BMS84, Kal85]. **DOL** [CH81]. **domain** [BL85]. **dominators** [Har85]. **double** [LM88]. **Doubly** [Lub85a]. **Draft** [GM81, Vit82]. **Dual** [AEL85]. **Dynamic** [MP80, MT87, Pra80, CL86, CM89, Fei83, FH82, FS89b, KS88b, Man84, Orl81, Pel85, ST81, Wil82, Yao80, Str81]. **Dynamically** [OvL80].

easier [Cha84, CD80]. **easy** [HS80, MVV87, VV85a]. **Edge** [AH82, Blu84, PRS81]. **edge-contraction** [AH82]. **Edge-deletion** [AH82]. **edgings** [Koz84]. **effect** [Cul85]. **Efficiency**

[Vaz87, AFL81, FL89, PU88, ST84]. **Efficient** [BFDS84, PR85, Yao80, Awe84, CL86, Gab83, GP81, KU86, LV86, OSS84, SvEB84]. **eigenvalue** [BGM82, FKS89]. **Eighteenth** [ACM86]. **electing** [FL84]. **election** [Awe87]. **elections** [Vit84]. **electrical** [CRRS89]. **elementary** [BOKR84]. **elements** [Bea89]. **elimination** [Ier89]. **ellipsoids** [Pos84]. **embeddable** [Lic80]. **Embedded** [CLM81]. **embedding** [Sto80]. **embeddings** [dFPP88]. **emulations** [KLMR89]. **encryption** [GM82]. **ends** [MS81b]. **Energy** [ACR88, Kis82]. **Ensembles** [NP82]. **entropic** [Yao81a]. **environment** [Man84, Wil82]. **Equational** [CK85, Koz84]. **Equations** [CHMP81, BL85, Kos86, OSS84]. **equivalence** [CH81, Gon84, Huy85, IL80, Ukk80]. **equivalent** [KUW85a]. **era** [DGS88]. **errors** [KL88]. **estimate** [Bac82]. **Ethernet** [GGMM85, Wil84]. **Euler** [AIS84]. **Evaluating** [Cop84]. **evaluation** [Kos86]. **Every** [KS84]. **exact** [GMS84]. **exactly** [Bar86, Ko88]. **Examples** [KM81]. **exchange** [Blu83, KLLM81]. **exclusion** [DGS88]. **execution** [Str80]. **existence** [All87]. **expander** [PU87]. **Expanders** [Alo85, JM85, LPS86]. **Expanding** [Mot89]. **expected** [BJL+84, Blo80, BS85, Bra85, Cla84, KT80]. **expected-time** [Cla84, KT80]. **Explicit** [LPS86]. **Exponential** [Val83, GPS89, Hem87]. **exponentiating** [FT85]. **Expressing** [Yan88]. **expressions** [Gon84]. **Expressiveness** [AC89, EH82]. **Exptime** [HSI83]. **Extended** [Ang80, BL82, Bro80, CD80, Fag80, HVY81, HS80, Hof80, Imm82, KT80, KR81, Kin81, KLLM81, Lei82, Llo80, MS82, Rei80, Sto80, Str80, Var82, VW84, Wil82, Yao81a, Yao82, Bsh89, Bac82]. **extensions** [PP81]. **extremal** [BDDG82]. **extremely** [Pnu83]. **face** [Sei86]. **facets** [PY82]. **factor** [Kal87]. **Factoring** [Len83, BMS84, Val89]. **Factorization** [Hua84, Bac83, Kal82, KLL84]. **fails** [KMR89]. **fair** [CVW86, Hen84, Pnu83]. **faithful** [PP81]. **familiar** [Tom80b]. **fan** [CFL83a]. **fan-in** [CFL83a]. **fary** [dFPP88]. **Fast** [Bac82, Cla84, HL89, JY81, KV86, Lyn80, Mey85, NNS87, BOFKT86, KW84, Mul86, PSS88, Val89]. **faster** [Orl88]. **Fault** [DPPU86, Fel85, BOW88, BS88, BFDS84, DHSS84]. **fault-tolerant** [BOW88, BS88]. **faults** [DMMU84, HLN87]. **faulty** [Cle86, HL89]. **feasible** [Upf84]. **feasibly** [CU89]. **field** [Ier89, Mul86]. **fields** [AL86, FT85, Hua84, Hua85, Len83]. **fifteenth** [ACM83]. **file** [BBE+84]. **files** [BBE+84, Wil82]. **Finding** [AL86, AIS84, BJ85, BDDG82, GT88b, Mil84, Bea89, BFF85, GMS84, Har85, Hua85, PKR82]. **fine** [BT87]. **fingers** [BFG85]. **Finite** [BT87, AL86, FT85, HS84a, Hua84, Hua85, KV89, Len83, RS89b, dR84]. **firing** [CDDS85]. **first** [ACM89, AA87, AAK89, Yap80]. **fixed** [Fed89, FM80, KLMR89]. **fixed-connection** [KLMR89]. **flips** [Cle86]. **flow** [Gab83, GT86, GT87, Har85, Orl88, Sie86, Str80]. **flows** [KV86, SNS85]. **Fooling** [DG81]. **Forests** [GW88]. **formal** [Iwa83]. **forms** [Che81, FSS83]. **formula** [Bus87]. **formulae** [KLPV87, KV89, KPPY84, Pla80]. **formulas** [Cle88]. **foundation** [Kis82]. **Founding** [Kil88]. **Four** [Yan86]. **fourteenth** [ACM82]. **fragments** [Bus85, DL80]. **frames** [GW88]. **Francisco** [ACM82]. **free** [CS80, Kos86, Tou80]. **function** [BM88]. **Functional** [CU89]. **functions** [AM84, Alt84, BMS81, Bop84, CFL83a, CD82, GL89, HVY81, ILL89, Kal86, KLD86, Lev85, NY89, Nat87, SvEB84]. **Further** [Cla86].

game [GMW87, JWK81]. **games**

[AIK81, GW88, GH82]. **general** [AAK89, Bea89, BC80, GP81, GS83, Har84, May81, YY85]. **Generalized** [FJ80, Adl83, DDPW83]. **generalizers** [DDPW83]. **generals** [Bra85]. **generate** [Bac83]. **generating** [FK84, Vaz85]. **generation** [ILL89]. **generators** [All87, Lev85, LR86]. **genus** [FM80, HI87, Mil80]. **geometric** [BEHW86, Can88, Cla84, YY85]. **Geometry** [Vai88, BOKR84, Cla86, GBT84, RS89a, STT86]. **GF** [Cop84]. **given** [BM88, Kal85]. **global** [Ang80, KS89]. **good** [KS84, Lei82, RT85]. **Graph** [AK82, CS80, CRRS89, HMT88a, Kin88, KLLM81, VL88, Wig82]. **Graphs** [JWR81, AAK89, BGM82, BL83, BYE82, BFF85, BS84, CM89, FM80, Fre87, FKS89, FSS83, GKS86, GPS87, Har85, HI87, HS84b, Hof80, IS87, KNR88, KS88b, Lic80, Mil80, Mil84, Mot89, MS81b, NNS87, PU87, RT85, SS87, Sto80, Str80, SNS85, Yan86, dFPP88]. **graphy** [MR87]. **greatest** [Kal85]. **grid** [LS86, Sto80]. **group** [Bab85]. **groups** [BLS87a, DF83].

half [Cle86]. **Hamilton** [BFF85]. **hard** [BN89, Bro86, GL89, KM81, Mey85, VL88]. **hard-core** [GL89]. **hash** [NY89, SvEB84]. **hashing** [FNSS88, KU86, LM88, SS89]. **having** [Ko88]. **help** [Wil85]. **helps** [Vai88]. **Hensel** [Kal87]. **Heuristics** [SPR80]. **hiding** [AFK87]. **hierarchical** [AACS87]. **hierarchies** [Ko88, RST82]. **hierarchy** [Bus85, Cai86, Für82, Hem87, Mye83]. **higher** [KV87, Sei86]. **higher-dimensional** [Sei86]. **higher-order** [KV87]. **Highly** [BGSV89]. **Hilbert** [CHS85]. **Hoare** [Old83]. **homing** [RS89b]. **honest** [RBO89]. **Horn** [Fag80]. **hulls** [CSY84, Sei86]. **hyperbolic** [STT86]. **hypercube** [HLN87]. **hypercubes** [HL89]. **hypothesis** [Hua85, Kur82, Bac82].

I/O [JWK81]. **identity** [FFS87]. **Illinois** [ACM88]. **impact** [FL84]. **Imperfect** [LLS87]. **implementation** [KU86]. **implementations** [Bro80, EM80, Tom80b]. **implicational** [CLM81]. **Implicit** [FN89, KNR88]. **impossibility** [DHS84]. **improbability** [GY89]. **Improved** [Kan83b, VS85]. **inclusion** [KCV83]. **Independence** [JY80, FK84]. **independent** [KW84, Lub85b, PY88b, Pla80]. **induction** [Pra80]. **inequalities** [CHS85, Yao80]. **inequality** [LMR86]. **Inference** [RS89b, CLM81, KCV83]. **infinitary** [dBMOZ85a, dBMOZ85b]. **infinite** [Har84, IS87, PSS88]. **infinity** [FadHRW85]. **information** [AFK87, AUY83, GM82, Man84, PSS80, Sie86]. **information-theoretic** [PSS80]. **initial** [JY81]. **instance** [Lev84]. **instances** [VL88]. **integer** [AEL85, Kan83b, Rei89, Val89]. **integers** [Bac83]. **integral** [Kal82]. **interactive** [BOGKW88, BFM88, GMR85, GS86]. **internal** [FV85]. **interpolation** [BO88]. **interpretations** [CU89, Mir80]. **interprocess** [RS81]. **Intersecting** [Cha84]. **intersection** [FS84]. **intervals** [FK84]. **intractability** [BOGKW88]. **Introducing** [LV86]. **invariance** [SvEB84]. **inversion** [MVV87]. **inverted** [BBE$^+$84]. **Investigations** [BS88]. **irreducible** [AL86]. **Island** [ACM85]. **ismorphism** [KMR89]. **Isomorphism** [BGM82, Lic80, Mil80, FM80, Hof80]. **isomorphisms** [BL85, KLD86]. **Issues** [Yan81]. **Iterated** [Eng83]. **iterative** [PP81].

Kannan [Bir89]. **keeping** [GM82]. **key** [Adl83, Mun87]. **keys** [Blu83]. **knapsack** [Adl83, GMS84, Yao81b, adH83]. **knowledge** [BFM88, FFS87, For87, GMR85, HV86, HMT88b, HV88]. **knowledge-based** [HMT88b]. **known** [Bac83]. **Kraft** [Bro80].

labeling [BL83]. **LALR** [USS81]. **Languages** [Imm83, dBMOZ85a, Bar86, BL85, Orl81, Var82, dBMOZ85b]. **large** [SU80]. **lattice** [Kan83b]. **law** [CK89]. **layout** [Blu84, FP80, Lei82]. **layouts** [KLLM81, LM85]. **leader** [Awe87, FL84]. **learnability** [KLPV87]. **learnable** [BEHW86, Val84]. **Learning** [KL88, KV89, Nat87]. **length** [Blu84, BRT89, PRS81]. **level** [AIK81, EM80]. **levels** [Ko88]. **lexical** [Lub85a]. **lifting** [Kal87]. **like** [Old83]. **likelihood** [HR83]. **limitations** [KV89, Yao81a]. **limited** [Alo85, DDPW83]. **Limits** [Bea86, Cle86, IR89]. **line** [Fre83, FS84, IL80, Kal85, Kal87, MSS87, MMS88, PSS80]. **Linear** [KT80, LMR86, AGSS87, AEL85, BBE+84, FS89a, GT83, GM81, GS88, Har85, Kar84, PR85, RV83, SC82, TV86, Vai87, Yan88, adH83]. **linear-time** [GT83, TV86]. **Linearity** [LN88]. **linearly** [HS85]. **Lines** [CEGS89]. **linked** [Die82]. **list** [Bro80, Die82, DS87, ST84]. **lists** [Kos81]. **livelock** [Tou80]. **livelock-free** [Tou80]. **Liveness** [DM84]. **Local** [Ang80, KS89, Yao89]. **Localized** [Kos81]. **locking** [Yan81]. **Log** [Wil84, LW83, LMR86]. **Log-logarithmic** [Wil84]. **logarithmic** [AIS84, KW88, RV83, Sei86, Wil84]. **logarithms** [Cop84]. **LOGCFL** [Ven87]. **Logic** [MP80, BKP84, CHMP81, CGKV88, EH82, ES84, FV85, Fei83, FH82, Ger84, HR83, Koz84, MS81b, Old83, Pel85, SV89, Str81]. **Logics** [Rei80, HS84a, SC82, VW84, VS85]. **logspace** [BN89, AKS87]. **logspace-hard** [BN89]. **look** [DHSS84]. **looping** [Str81]. **Low** [AIK81]. **Lower** [BO83, BRT89, DGS84, Fic81, Kin88, LS81, ABH+86, DPGR83, FadHRW85, Hås86, LY86, Maa84, PKR82, Smo87, Val83, VS85]. **machine** [Sim81]. **machines** [Bea86, BL82, Bop89, hC81, DG81, DG82, DT83, GKS86, ITT82, Maa84, MSS87, Vit82, BMS81]. **macro** [CV86]. **Maintaining** [Die82, Wil82, DS87, Man84, OvL80]. **majority** [RBO89]. **Making** [DSST86]. **malicious** [KL88]. **Manhattan** [BBL83]. **manipulation** [GS83]. **many** [CS80]. **Markov** [JS88]. **marriages** [Fed89]. **marry** [Bro86]. **Massachusetts** [ACM83]. **Matching** [MVV87, GT88a, GS81, Gal84, KUW85b, LV86, LS86, Sto83b, SPR80, Vai88]. **matchings** [Mot89]. **matrices** [Lub85a]. **Matrix** [CW87, Mul86, MVV87]. **matroid** [FS84, GW88]. **matroids** [RS80]. **maximal** [And85, KW84, Lub85b]. **maximum** [Blu84, GT86, PKR82]. **maximum-finding** [PKR82]. **May** [ACM81, ACM82, ACM84, ACM85, ACM86, ACM87, ACM88, ACM89, BKP84, GS88]. **measure** [KA84, Sto80]. **Measures** [Kin81]. **Measuring** [Kis82]. **median** [BJ85]. **memory** [AACS87, AC88, DMMU84, KU86, RS82]. **mental** [GMW87, GM82]. **merging** [BH82, HS82]. **mesh** [AK82, KA86, SS86]. **mesh-connected** [AK82, KA86]. **method** [Raz89, Ukk80]. **methods** [Smo87]. **metric** [DM84]. **metrical** [BLS87b]. **micro** [CV86]. **Milwaukee** [ACM81]. **minimal** [Fel85]. **minimax** [LS86, PRS81]. **minimization** [Tur83]. **Minimum** [Pos84, Awe87, BP84, Cla84, FK84, Fre83, GT87, GT88b, Orl88, PW89]. **minimum-cost** [GT87, GT88b]. **mixing** [JS88]. **modal** [FV85, VW84, VS85]. **model** [AACS87, BC80, CM81, Yap80]. **Modelling** [Hen84]. **models** [Agg85, BH82, BL85, HS84a, JY81, Upf84]. **modes** [HR88]. **monoids** [BT87]. **Monotone** [KW88, Bop84, KPPY84, Val83]. **motion** [Cla87, FW88, óSY83]. **motion-planning** [óSY83]. **mots** [NP82].

Multi [BOGKW88, CFL83b]. **Multi-party** [CFL83b]. **Multi-prover** [BOGKW88]. **Multicommodity** [SNS85, KV86]. **multicounters** [Vit82]. **multidimensional** [KLMS84]. **multikey** [FNS+88]. **Multiparty** [BN89, CD88, RBO89]. **multiple** [DS82, HLR87]. **multiplexed** [Iwa83]. **multiplication** [CW87]. **multiplicity** [BGM82]. **multivariate** [BO88, Kal82, Len83].

n2 [Spi83]. **nature** [Pra80]. **NC** [AA87, BLS87a, Bar86, BT87, CM89, KUW85b, VV85b]. **nearby** [Lyn80]. **necessary** [Yan86]. **negative** [GT88b]. **net** [May81]. **network** [AKS83, Awe84, BP84, DHSS84, Fel85, Gab83]. **networks** [Ang80, BS88, BP87, BFDS84, DPPU86, Fed89, FFP86, HS82, KLMR89, RV83, Tou80, BCHR88]. **nexptime** [HSI83]. **nineteenth** [ACM87]. **no** [Tom80b]. **node** [Sto80]. **Non** [BFM88, FFP86, FNSS88, BOW88, DGS88, Ukk80]. **non-atomic** [DGS88]. **Non-blocking** [FFP86]. **non-cryptographic** [BOW88]. **Non-interactive** [BFM88]. **Non-oblivious** [FNSS88]. **non-real-time** [Ukk80]. **nondeterminism** [Kan83a]. **Nondeterministic** [GS88, DG82, GKS86, Maa84, MT82, Mir80]. **nonlinear** [DPGR83, GS88]. **nonrandomness** [KLL84]. **nontrivial** [GKS86]. **nonuniform** [KL80b]. **Normal** [FSS83, Che81]. **note** [KLD86]. **Notes** [HS82]. **notions** [AUY83]. **NP** [DL80, HSI83, MS81a, VV85a, You83]. **NP-Complete** [MS81a]. **NP-P** [HSI83]. **number** [AM84, Cle88, DL80, HI87, Hua84, Pla80]. **numbers** [BMS84, KLL84, KR88].

O [JWK81]. **oblivious** [FNSS88, Gol87, Kil88, KPU88, Vit82]. **obtained** [JM85]. **off** [MSS87]. **off-line** [MSS87]. **office** [Cla85]. **on-line** [Fre83, FS84, MMS88, PSS80]. **once** [DMMU84, RS82]. **One** [FadHRW85, Lev85, Cai86, CK89, DG81, DG82, GKS86, GMS84, GL89, IR89, ILL89, KLD86, Maa84, MSS87, NY89, Vit82]. **one-tape** [GKS86, Maa84, Vit82]. **One-way** [Lev85, GL89, IR89, ILL89, KLD86, NY89]. **online** [BLS87b]. **operations** [Vai87]. **optima** [AEL85]. **Optimal** [Awe87, BH87, BCHR88, Bop89, DKS+81, FG88, FM88, FP80, Gal84, HMM85, KA86, Rei89, BLS87b, GS81, Hås86, SS86, Tom80a]. **Optimization** [PY88a, CGKV88, Kre86, Orl81, Yan88]. **optimum** [GT88a]. **oracle** [AFK87, Cai86, Kur82, KMR89]. **orbit** [KL80a]. **order** [Die82, DS87, GPS89, KS89, KV87, MS81b, Yap80]. **orderings** [Lub85a]. **orders** [KMK89]. **organizing** [CHS85]. **orientation** [Spi83]. **orthogonal** [Vai85].

P [DL80, HSI83, Kal86]. **P-computable** [Kal86]. **packet** [Tou80, Upf89]. **packing** [BJL+84, KLMS84]. **page** [GKS86, HI87]. **pagenumber** [BS84]. **pages** [Yan86]. **pairs** [Fre87]. **papers** [ACM80, ACM81]. **Parallel** [AAK89, GPS87, KU86, Kos86, vzG83, AKSS86, And85, AIS84, Bea86, BOFKT86, Bop89, BH82, CV86, CD82, DT83, Fic83, FadHRW85, FT85, GP81, Gal84, KW84, KZ88, Lei84, LY86, Lub85b, MT87, Mul86, NNS87, PR85, PY88b, Upf84, VB81, Vis84, Yao81b]. **parallelism** [AK88, Kin81, LV86]. **parallelizable** [BGSV89]. **parallelization** [MR87]. **parameter** [Lei81]. **partial** [GM82, KMK89]. **partition** [Yao83]. **party** [CFL83b]. **Pascal** [Old83]. **Pascal-like** [Old83]. **passing** [Lei81]. **path** [And85, Blo80, Cla87, Fel85, Llo80]. **paths** [Awe89, Cyp80, Fre87, PU87, SS84, SNS85]. **PDL** [Koz83]. **pebble** [JWK81]. **pebbles** [CS80, KS88a, Wil85]. **pebbling** [CS80, Pip80]. **Pebblings** [Koz84]. **perfect**

[BMS84, For87, KUW85b, SvEB84, SPR80]. **performance** [SS89]. **periodic** [IS87]. **permanent** [Bro86, JS88]. **Permutation** [BLS87a, DF83, LR86]. **permutations** [IR89]. **persistent** [DSST86]. **Petri** [May81]. **planar** [BYE82, BS84, Fre87, KS89, LM85, Mil84, Sto80, SNS85, Yan86, dFPP88]. **plane** [Lic80, OvL80]. **Planning** [FW88, Cla87, óSY83]. **play** [GMW87, GM82]. **point** [Fed89]. **poker** [GM82]. **Polling** [RS89a]. **poly** [LMR86]. **poly-log** [LMR86]. **polygon** [AGSS87]. **polygons** [BDDG82, TV86]. **polyhedra** [Cha81]. **polyhedral** [SS84]. **polymorphic** [Lei81]. **Polynomial** [DS82, FR85, Ist88, KLL84, AH87, Bar86, BOFKT86, BO88, BMS81, Bus85, Cai86, CM89, DF89, FL89, FM80, Gon84, Imm82, JY81, Kal82, KCV83, Kar84, KLD86, Ko88, KS88b, LM83, Orl88, PW89, Tom80b, You83, adH83]. **polynomial-size** [Bar86]. **polynomial-time** [Cai86, CM89, FL89, FM80, Kar84, KLD86]. **polynomials** [AL86, FT85, HS80, Hua84, Kal85, Kal87, Len83]. **polytopes** [DEY86]. **polytypes** [CEG87]. **poset** [KS84]. **possibility** [DHS84]. **post** [Cla85]. **power** [Bea86, Fur87, KS88a, Kan83a]. **powerful** [HS84b]. **Powers** [HS84b]. **PRAM** [BH87]. **PRAMS** [Nis89]. **precision** [HMM85]. **predicate** [GL89]. **prefix** [BP87, Fic83]. **prehension** [BFG85]. **Preliminary** [AK82, DG81, FP80, FJ80, GS81, GM81, Gre82, HS82, JWR81, JY80, JY81, Kos82, MT82, PKR82, Pip80, Pip82, RS82, Sim81, Vit82, PSS80, Tom80a]. **presence** [HLN87, HMM85, KL88]. **presented** [ACM80, ACM81]. **preserving** [KLMR89]. **primality** [PSS88]. **primes** [AH87, GK86, Hua84, PSS88]. **Primitives** [GS83]. **privacy** [CK89]. **Private** [GS86]. **Probabilistic** [FS89a, GM82, HS84a, MT82, Pip82, Tur83, ABO84, Ber86, Cla85, Fei83, FH82, KLMS84, Koz83, Pnu83, Rei80, RST82, Sim81, Upf84]. **probabilities** [KV87]. **probability** [Cai86]. **probe** [FN89, FS89b]. **Probing** [DEY86, GM81]. **problem** [And85, Bus87, CLM81, Cla85, CDDS85, CH81, Cyp80, Fic81, FL84, GMS84, GT86, Huy85, IL80, KL80a, KW84, KV87, LN88, Lub85b, May81, PW89, Tom80a, VV85b, VL88, Yao81b, adH83]. **Problems** [Lev84, AH82, AK82, Awe87, BH87, BGSV89, CSY84, CGKV88, DL80, FR85, Gab83, GBT84, GT88a, GT87, Har85, HS84b, Ja'80, Jw80, KCV83, Kan83b, KT80, KLMS84, Kre86, MMS88, Mey85, MS81a, Mot89, MS81b, Orl81, Yan88, Yap80, vzG83]. **procedure** [KZ88]. **procedures** [EH82, Lei81, Old83]. **Proceedings** [ACM82, ACM83, ACM84, ACM85, ACM86, ACM87, ACM88, ACM89, ACM80, ACM81]. **process** [CHMP81]. **processes** [Hen84, LLS87]. **processor** [AK82, DS82, Llo80, VV85b]. **processors** [Ang80, Cle86, KA86, Vit84]. **program** [Mir80]. **programming** [Kan83b, KV86, Kar84, LMR86, Rei80, Vai87, Yao80]. **programs** [AEL85, ABH$^+$86, Bar86, BK89, BDFP83, CGKV88, CVW86, IL80, JY81, Kal85, KUW85a, Old83, VW84, VS85, Yan88, Yap80]. **progressions** [CW87]. **projective** [Lic80]. **Proof** [Bir89, GMR85, GS86]. **proof-systems** [GMR85]. **proofs** [BOGKW88, FFS87]. **Properties** [BFM$^+$81, Ven87, Ang80, DM84, Ger84, HMT88a, Kal86, Kin88, KV87, Mir80, You83]. **property** [JS88]. **Propositional** [Str81, Fei83, KM81, SC82]. **protection** [Gol87]. **protocol** [Awe84, Bra85]. **protocols** [BN89, CFL83b, CD88, DLM82, HLR87, RBO89, Wil84]. **Provable** [BL85, IR89]. **Provably** [RT85, Val89, CL86, Lei82]. **prover** [BOGKW88]. **Providence** [ACM85].

proving [PKR82]. **Pseudo** [ILL89, LR86]. **Pseudo-random** [ILL89, LR86]. **pseudorandom** [All87, BN89, KR88, Lev85]. **PSPACE** [Cai86, Can88, USS81]. **PSPACE-complete** [USS81]. **public** [Adl83, GS86]. **purpose** [GP81]. **Pushdown** [MS81b, DG81, Eng83, Ukk80]. **pushdowns** [Pip80].

quadrangle [Yao80]. **Quadratic** [Maa84, AM84, KV86, OSS84, Val89]. **Quantifier** [Ier89]. **quasi** [Val89, Vaz85]. **quasi-random** [Vaz85]. **quasi-uniform** [Val89]. **queries** [AC89, Imm82, Vai85, Yao82, YY85]. **query** [Var82]. **quickly** [GK86].

R [VV85b]. **R-NC** [VV85b]. **R.** [Bir89]. **radicals** [LM83]. **radio** [ABNLP89a]. **RAM** [CD82]. **Ramanujan** [LPS86]. **RAMs** [Gol87]. **Random** [RS80, VL88, AH87, AA87, Bac83, BFF85, Bro86, Cai86, Cla86, DF89, FKS89, Gon84, ILL89, KUW85b, Kur82, KMR89, LLS87, LR86, Mye83, SS87, Vaz85, Vaz87, BMS81]. **Randomized** [Awe89, KR88, Vis84, Bac87, Bra85, KZ88, RS89a]. **randomness** [Bab85, Fur87, KPU88, Sip83b]. **range** [Vai85, Yao82]. **rank** [Mul86]. **ranking** [FJ80, GS85]. **rapid** [JS88]. **reachability** [Kos82, May81, MS81b]. **reaching** [GY89]. **Real** [Vit82, BOFKT86, GR85, RS81, Ukk80]. **Real-time** [Vit82, GR85]. **Realistic** [Bac87]. **reason** [Ger84, HR83]. **Reasoning** [CVW86, HV88, HV86]. **recognize** [Bar86]. **Recognizing** [AH87]. **Reconfiguring** [HLN87]. **reconnaissables** [NP82]. **rectangles** [DKS$^+$81, FK84, GY80]. **rectilinear** [Ber86]. **recursive** [AC89]. **red** [JWK81]. **red-blue** [JWK81]. **reducibilities** [You83]. **reduction** [Gab83, Kal82]. **regions** [FK84]. **registers** [Cle88]. **regular** [CHMP81, FKS89, PP81, RT85]. **related** [Awe87, CM81, CSY84, DL80, GBT84, GT88a, HS85, Har85, Kan83b, Mot89]. **relation** [Upf84]. **Relational** [Imm82, SU80, Var82]. **relationship** [AEL85]. **relative** [KMR89]. **Relativized** [Ko88]. **Reliable** [Gác83]. **remove** [BOGKW88]. **reorientation** [KS89]. **repeated** [Che81]. **Report** [GS81]. **representation** [GPS89, KNR88]. **require** [GS88, KW88]. **requires** [BJ85, GPS89, Vai87]. **residues** [Val89]. **resistance** [CRRS89]. **resolved** [JS88]. **resolving** [Wil84]. **resource** [Llo80]. **resources** [Lyn80]. **respect** [Alt84]. **restricted** [AC89, KPPY84, Val83]. **restrictions** [Mey85]. **result** [Har84]. **results** [BJL$^+$84, Ber86, CM81, JY80]. **Retraction** [óSY83]. **reuse** [RS82]. **Reversal** [hC81]. **rewriting** [Che81]. **Rhode** [ACM85]. **Riemann** [Bac82, Hua85]. **ring** [FL84, Vit84]. **roots** [BOFKT86, Hua85]. **Rotation** [STT86]. **rounds** [Alo85, Bra85]. **routability** [LM85]. **Routing** [BH82, ABNLP89b, BBL83, DHSS84, KPU88, LM85, Mir84, PU88, RT85, Tom80a, Upf89]. **routings** [BFDS84, Fel85]. **RSA** [BOCS83]. **rules** [ST84].

sampling [Cla86, RS89a]. **San** [ACM82]. **Scaling** [GBT84]. **scheduling** [Llo80, VV85b]. **schematology** [Pip80]. **scheme** [OSS84, Upf89]. **schemes** [BFM$^+$81, GMY83, Gre82, Mir80, VB81]. **Science** [JY80]. **search** [AA87, AAK89, CHS85, Cul85, FL89, FN89, KUW85a, Kos81, adH83]. **searches** [CSW85]. **Searching** [Mun87, FNS$^+$88]. **Seattle** [ACM89]. **second** [FKS89, MS81b]. **second-order** [MS81b]. **secrecy** [OE84]. **secret** [Blu83, GM82, RBO89]. **secure** [CD88]. **security** [BOCS83, Cle86, HS85].

segments [JY81]. **selection** [AKSS86, CM84, FJ80]. **Self** [CHS85, ST83]. **Self-adjusting** [ST83]. **Self-organizing** [CHS85]. **semantics** [dBMOZ85a, FV85, dBZ82, dBMOZ85b]. **semaphore** [Wil84]. **semi** [Vaz87]. **semi-random** [Vaz87]. **semigroups** [Huy85]. **separates** [Cai86]. **separations** [Bop89]. **separators** [GKS86, Mil84]. **sequence** [CH81]. **sequences** [BN89, BRT89, Ist88, RS89b, Vaz85]. **sequential** [Bea89, BC80, CHS85, Wil82]. **serial** [LV86]. **set** [BBE+84, BS85, GT83, GY80, KW84, LN88, Lub85b]. **sets** [FK84, HSI83, PSS88, Sip83a, You83, dFPP88]. **seventeenth** [ACM85]. **shared** [KU86]. **sharing** [RBO89]. **shortest** [Awe89, Blo80, Cla87, Fre87, SS84, SNS85]. **shortest-path** [Blo80]. **shuffle** [KLLM81]. **shuffle-exchange** [KLLM81]. **shuffled** [Iwa83]. **sign** [BM88]. **signature** [Car82, GMY83, OSS84]. **Simple** [Ron87, CD82, GR85, Lub85b, Mil84, TV86]. **simplex** [AM84]. **simulation** [AKS87, Gol87, Vit82]. **simulations** [BCHR88, GKS86, KA86, Pip82]. **Single** [Kal87, BOCS83, Mun87]. **Single-factor** [Kal87]. **sixteenth** [ACM84]. **Size** [BP87, Bar86, RV83, Rei89]. **Size-time** [BP87]. **slightly** [Vaz85]. **slightly-random** [Vaz85]. **Small** [dFPP88, Hås86, Mil84, Val89]. **smaller** [AM84]. **smoothness** [AK88]. **software** [Gol87]. **solution** [GMS84, PR85, Tom80a]. **solutions** [FS84, FR85, VV85a]. **Solvability** [LM83]. **Solving** [GT87]. **Some** [All87, BJL+84, Can88, KL80b, You83, Bac87, FR85, Ja'80, Jw80, KLL84, PY82, Ukk80]. **sort** [GM81, RV83]. **sorted** [Kos81]. **sorting** [AKS83, Alo85, BP84, BC80, BH82, Cha84, Lei84, SS86]. **sources** [LLS87, Vaz85, Vaz87]. **Space** [RST82, Sim81, Vai85, Yao82, Yap80, Bea89, BC80, BKRU89, CEGS89, GS81, GS88, Ja'80, Jw80, LTT89, PU88, SvEB84, Tom80b, Yao83]. **Space-bounded** [RST82, Sim81]. **space-combinators** [CEGS89]. **Space-time** [Vai85, Yao82, Yap80]. **spaces** [DM84, SS84]. **spanning** [Awe87, Cla84, Fre83, Pos84]. **Sparse** [HSI83, BO88, GPS87]. **special** [GT83]. **specifications** [BKP84, EM80]. **spectra** [SS87]. **speed** [GT88a, Vis84]. **speed-ups** [GT88a, Vis84]. **Speedups** [DT83]. **squad** [CDDS85]. **stability** [GGMM85]. **Stable** [BFG85, Fed89]. **stamp** [DS89]. **Steiner** [Ber86]. **steps** [AM84]. **storage** [Bro80, CL86, GPS89]. **store** [DG81]. **Storing** [FNS+88]. **straight** [IL80, Kal85, Kal87]. **straight-line** [IL80, Kal85, Kal87]. **straightness** [KR81]. **strategy** [Lei82]. **string** [GS81, Gal84, LV86]. **strings** [Iwa83]. **Strong** [GMY83, Hem87, Vaz85]. **Strongly** [CM89, Orl88]. **structural** [You83]. **structure** [BT87, IS87, ST81]. **structures** [ABNLP89b, DSST86, Fre83, FS84, FS89b, dR84]. **subdivisions** [GS83]. **subgraph** [Gab83]. **sublinear** [GS88, Tom80b]. **subpolynomial** [Agg85]. **substantially** [GS88]. **successive** [GT87]. **successor** [dR84]. **sufficient** [Yan86]. **sum** [Bsh89]. **Sums** [BMS84, GW88]. **super** [KW88]. **super-logarithmic** [KW88]. **Superconcentrators** [DDPW83, Alo85]. **supporting** [dFPP88]. **sweeping** [EG86]. **switching** [Tou80]. **Symmetric** [Rei82, Huy85]. **symmetry** [GPS87]. **symmetry-breaking** [GPS87]. **Symposium** [ACM80, ACM81, ACM82, ACM83, ACM84, ACM85, ACM86, ACM87, ACM88, ACM89]. **synchronization** [Awe84, DHS84]. **synchronizing** [RS81]. **synchronous** [AFL81, DT83, FL84]. **system** [Lyn80]. **systems** [AFL81, dBMOZ85a, BLS87b, Che81, CH81, DS89, GMR85, GS86, HV88, Huy85, Kos82, Llo80, PR85, dBMOZ85b].

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