

# A Complete Bibliography of Publications in the *SIAM Journal on Algebraic and Discrete Methods*

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## Title word cross-reference

$(0, 1, -1)$  [MW81].  $(A, B)$  [Bha83].  $(A, K)$   
[CDS84].  $(A \circ A^{-T})$  [JS86]. 0 [BB87]. 1  
[Ber83, BB87]. 12 [GM87a]. 2  
[DH87, Tay82]. 22 [DF83b].  $2 \times 2$  [Uhl85]. 3  
[AP86, HS85, Mon86]. 600 [LT80].  $A$  [EJ82].  
 $AA^T = vI - J$  [MW81].  $AX + X^*A^* = C$   
[LR83].  $Ax = b$  [EJ82].  $b$  [Coo83].  $\mathcal{P}_n^q(A)$   
[VC82].  $D$  [CDJ82].  $\mathfrak{sl}(2, \mathbf{C})$  [Pro82a].  $\text{GF}(3)$   
[MS81].  $H$  [Har86].  $J'$  [Tod84b].  $K$  [CDS84,  
ACP87, CN84, CK87, Hwa86, LL87, Mac81].  
 $L$  [MW87].  $l^1$  [CK86].  $l_1$  [Rot84].  $l_\infty$  [Rot84].  
 $l_p$  [DW80].  $\lambda$  [JS81].  $\log$  [CT80].  $LU$   
[AO86, Dav86, FP86, Har86, Mat84, VC82].  
 $M$  [AO86, Bar86, Buo86, FP84, Gam87,  
JOv83, Lew80, Ros84, Smi81, VC82, Gam86].

$N$   
[Dia80, Tan84, CW87, Hwa86, Kir83, Sal84].  
 $N \times N$  [MD86].  $O((n$  [CT80].  $O(n^2)$   
[OBB81].  $O(|V|^2)$  [HS85].  $P$   
[GJR83, GJ86, CT80].  $p^2)$  [CT80].  $q$   
[Dun80, Kir83].  $QR$  [GM86, Chu84].  $\mathbf{R}^n$   
[Tod84b].  $S^{n-1}$  [Chu86].  $t$  [GLL80, Moo83].  
 $v \times v$  [MW81].  $Z_2^k$  [Mor86].  $Z_2^n$  [Tan83].  
**-ary** [Kir83, Moo83]. **-cell** [LT80]. **-center**  
[CT80]. **-chain** [Ber83]. **-circulant** [MW81].  
**-connectivity** [Tay82]. **-cube** [Sal84]. **-cut**  
[HS85]. **-decompositions** [Har86, Mat84].  
**-designs** [GLL80]. **-distance** [DW80].  
**-domination** [CN84]. **-edge-connected**  
[CW87]. **-functions** [MW87]. **-gons** [Tan84].  
**-Hahn** [Dun80]. **-invariant** [Bha83].  
**-Jacobi** [Dun80]. **-matching** [Coo83].

**-matrices** [AO86, Buo86, Har86, JOv83, Ros84, Smi81, VC82]. **-matrix** [Bar86, FP84]. **-monotone** [JS81]. **-NN** [Mac81]. **-out-of-** [Hwa86]. **-permutation** [LL87]. **-person** [Dia80]. **-recursiveness** [GJR83, GJ86]. **-sequences** [Gam86, Gam87]. **-stability** [CN84]. **-stable** [CDJ82]. **-tree** [ACP87]. **-trees** [AP86, CK87].

**2\*** [APSZ81].

**abnormal** [KS87b]. **abstraction** [Cha83]. **Acknowledgment** [MMP80a]. **Acyclic** [Gan81, BE84, BS86]. **addition** [AMT86]. **additive** [GS80]. **Adjacency** [Gil81, Wal86]. **adjoint** [HU85]. **adjugate** [HU85]. **Aggregation** [ANW84]. **aided** [Gol85a]. **Algebraic** [SW87, Gam87, GP83, SCC83, WW83, WW87, Wim82]. **algorithm** [Bar82, BS87, BL86, Car84, CBS85, CT80, Chu84, DS81, DS87, HS85, KV86, OBB81, Phi87, de 87]. **algorithmic** [Abe85, LPHH84, LN80]. **Algorithms** [ES82, Bac82, BCCL83, EHH87, HT86, Min85b, Sax80, Szp87, Vic84, Whi86, WS82, CP87]. **alignments** [GHW86]. **allocation** [ANW84, Lan84]. **almost** [HS86]. **alphabetic** [KS81]. **alternating** [GH87a]. **among** [Win83]. **Amortized** [Tar85]. **analog** [CH87]. **analogue** [Far86]. **analysis** [GLM81, Hav86, Ple86, Rot81, Shr84, Szp87, Won80, Zem85]. **antichains** [Dem80]. **antirectangles** [Bou84]. **aperiodic** [dK82]. **application** [BP85, CBS85, GJR83, Liu87, MIN87, Sam80, SCC83, Tog86]. **applications** [Bar86, Bar84, CLR87, CNW80, Dre82, EHH87, KKP85, MN80]. **applied** [CBS85, Ple86, SW87]. **approach** [Abe85, Ber80a, CK87, CT82, FS84, GP83, RP85, Rot81]. **approximate** [EJ82, Min85b]. **Approximation** [BCCL83, HR86, Hav86, Her84a]. **approximations** [Gup86]. **arbitrary**

[Her84a]. **arc** [OBB81]. **arcs** [Bos84, GJMP80]. **arising** [BJW85, GGH80, Mat84, Szp87, Tam83]. **arithmetic** [AW80]. **arrangement** [Len82]. **array** [JS86, MD86]. **art** [Gyö86]. **ary** [Kir83, Moo83]. **aspects** [AB84, Her84b, JS86]. **assay** [BH85b]. **assignment** [RP85, WCLO86]. **assignments** [DH87]. **associated** [Sak82]. **association** [Sam80]. **Asymptotic** [BP85, Dia80, BC81, Bul85, FW80, RP85, DGK80]. **automata** [Tch85]. **automation** [PR82]. **average** [Rus80]. **averages** [Mor86].

**balanced** [BL86, HKS85, Tam83]. **ball** [Rot84]. **Balloting** [WCLO86]. **band** [EGL87, Per87, Tre85, Tre86]. **bandwidth** [APSZ81, Chu85b, MPS85, Mon86, Sax80]. **Banzhaf** [Bol83]. **bar** [WW87]. **bar-and-body** [WW87]. **based** [LLM84, SS85]. **bases** [GS80]. **basis** [Bar87, GH87b, Pro85]. **be** [RV83]. **behavior** [Bul85, DGK80, Gol82]. **behaviour** [Gol85b]. **belonging** [HHS82]. **benefits** [PR82]. **best** [EJ82, Min85b]. **between** [CK86, GH82]. **bi** [Wim84]. **bi-infinite** [Wim84]. **Bicycles** [Ber86]. **bin** [BC81, Gal86, She81]. **bin-packing** [BC81, Gal86]. **binary** [CW82, CH80b, KS81, Meh86, Rus80, Tch85]. **binomial** [Meh86]. **bins** [CGJ82]. **bipartite** [HK86]. **Bisection** [GW85]. **Bithreshold** [HM85]. **bivariate** [CS87]. **block** [CCPR82, Mat84, MIN87, Ple86, von81]. **block-triangularization** [MIN87]. **blocking** [Cha87, LN80]. **body** [WW87]. **books** [CLR87, Hea87]. **Boolean** [Buz82, Hul84]. **Bott** [Cha83]. **bound** [BC81, Gal86, HR86, Pip80]. **boundary** [HHW81]. **bounded** [CG82, Fis83]. **Bounds** [BP82, EOZ87, PP85, BH85a, Kör86, Kri85, Len82, Mey80, KS87a]. **branching** [BT81]. **Broadcasting** [FP81]. **BVP** [Mat84]. **Byers** [CT15].

**can** [HS86, RV83]. **Candidate** [Dem80].  
**Canonical** [CP83, CNW80, MIN87].  
**capacity** [Far86]. **capital** [Chu85a, Jon82].  
**cardinality** [VC82]. **Carlo** [Gra81].  
**Cascade** [AMT86]. **case**  
 [CK86, Gag83, GH82, Hil87, Uhl85, Won80].  
**cases** [Per83]. **caterpillars**  
 [APSZ81, Mon86]. **cell** [LT80]. **center**  
 [CT80, Chu84]. **central** [Gup86]. **centroid**  
 [Mer86]. **certain** [CS84, FP84]. **chain**  
 [Ber83, HR86, Hav86, Mey80]. **Chains**  
 [GM86, BP86, Bar86, Hey87, KMS84, Ste86].  
**Change** [Bar87]. **channel**  
 [CGW87, MMP80a, MMP80b, RP85].  
**characteristic** [BFHMV84, Ran85].  
**Characterization**  
 [AP86, Bar80, HM84, AW80, CDJ82, SCC83].  
**Characters** [MP84b, KV86]. **chemical**  
 [Shr84]. **Chevalley** [Sta80b]. **choice** [Fis84].  
**Cholesky** [Sam80]. **Chopped** [Per83].  
**chord** [SCC83]. **chordal** [CN84, GRE84].  
**chords** [GJMP80]. **circle** [GW85]. **circuits**  
 [AT85]. **circulant** [BW86, MW81, Wat87].  
**circular** [GJMP80, OBB81]. **circulations**  
 [GP85]. **class** [Bha82, Bol80, Dia80, JOv83,  
 RZ82, Sak82, She82, Tam83, Tre86]. **classes**  
 [DGK83, KCP82]. **classical** [Bar84, Had85].  
**claws** [Taz85]. **climbing** [DS87, Tov85].  
**closed** [RV83]. **clustering** [Her84a, Her84b].  
**coalitional** [LM82]. **code** [CDS83]. **codes**  
 [CW82, Gag81, Gag83, KS87a, KS87b, MS81,  
 Mol86, Phe83, Phe84, Tie85, von81, KS87b].  
**Coding** [CTPR85]. **coefficients** [Bul85].  
**color** [Bou84]. **Coloring**  
 [CCPR82, dPR82, AG84, CC86, GJMP80,  
 HK83, OBB81, PP85, PS86]. **colorings**  
 [Gil80a, GW85]. **colouring** [KKP85].  
**Column** [Dav86]. **Combinatorial**  
 [AB84, MIN87, Cha82, DH82, GGH80,  
 Phe83, TZ83]. **combinatorics** [Lin86].  
**combined** [FP84]. **commodity** [ST80].  
**communications** [LL87]. **commuting**  
 [Per87]. **comparison** [BJW85, KS85].  
**comparisons** [Ber80a, Hey87].  
**compartmental** [Wal85]. **competition**  
 [Ops82]. **Complementarity** [Tod84a].  
**complementary** [BS86, Chr83].  
**complements** [Pro87]. **complete**  
 [CH80b, HK86, Taz85, Wim82, CCPR82,  
 GJ83, Mon86, Yan81]. **completely**  
 [HR86, Hav86, KMS84]. **completeness**  
 [DK87, Gil80b]. **complex**  
 [CH87, Had85, LLM84, Uhl85]. **Complexity**  
 [ACP87, Wal85, CM84, GJMP80, Gat83,  
 LPHH84, Len82, MS86, Tar85, Yan82, CP86].  
**comprehensive** [HR85]. **compressible**  
 [BHP86]. **computation**  
 [Ebe87, KKS87, Ops82]. **computational**  
 [Tar85]. **Computations** [KOY86, Ple86].  
**Compute** [GM86, PR85]. **computer**  
 [BP85, Gol85a, Lan84]. **Computing**  
 [BFHMV84, DG86, GH87b, Jon82, Yan81,  
 BP86, FP86, Hey87, KMS84].  
**concatenations** [KSSS80]. **concentrators**  
 [Tan84]. **concept** [SCC83]. **condition**  
 [Mey80]. **conditional** [Gra81]. **cones**  
 [BLP87, Dok87]. **congested** [AM81].  
**conjecture** [She81]. **connected**  
 [CW87, RZ82, Tch85]. **connection**  
 [CH80b, KKP85]. **connectivity**  
 [BW86, FJ81, IW81, Tay82]. **consecutive**  
 [DH87, Hwa86, SW86]. **consecutive-**  
**consequences** [Bha82].  
**consimilarity** [HH86]. **constant** [JR85].  
**constrained** [Cha83, Pro87, Tay82].  
**constraint** [BL86]. **construction** [DS87,  
 Gam87, KW80a, Mol86, Phe83, Phe84].  
**constructions** [von81]. **continuous**  
 [CT80, FW82]. **contraharmonic**  
 [AMMT87, GM87b]. **control**  
 [Bha83, Bol85a, PR82]. **controllability**  
 [Bha83, CDS84, Wim82]. **Controlling**  
 [AS80]. **convection** [Gup86].  
**convection-diffusion** [Gup86].  
**Convergence** [Joh85, Neu86]. **Convergent**  
 [BP86, Ros84]. **Convex**  
 [BH85b, JR85, BM84, GH82, KT81].  
**Convexity** [FJ86]. **convolutional** [von81].

**convolutions** [EH87]. **correcting** [Phe84]. **Correlation** [Win83]. **correspondence** [Vo81]. **cost** [GH82]. **costliest** [KS81]. **count** [LAP82]. **counterexample** [She81]. **Counting** [Bra82]. **coverage** [MZH83]. **Covering** [AO81, AT85, CKSS81, CN85, BL86, FW82, Hoc83, KS87a, KS87b]. **coverings** [EOZ87, WT81]. **criteria** [Her84a]. **critical** [EZR85]. **critically** [CW87]. **crosscorrelations** [Gam86]. **Crossing** [GJ83]. **cube** [Mat87, PP85, Sal84]. **current** [Ber83]. **Curves** [Chu86]. **cut** [HS85, Len82, Sal84]. **cutwidth** [Chu85b]. **cycles** [BW80, GS84, dK82]. **cyclic** [CC86].

**DAC** [PR82]. **data** [BP85, CRS83]. **decision** [BS87, DK87]. **decoding** [BS87]. **decomposable** [HR86, Hav86, KMS84]. **Decomposing** [BW80]. **Decomposition** [Cun82, Has85, Taz85, AG84, CS87, CH87, Chu81, DER85, Sam80, Tog86]. **decompositions** [Bou87, Har86, Mat84]. **Decreasing** [BC81]. **defectives** [Chr83]. **defining** [Coo83]. **definite** [HM84]. **degrees** [GJ86]. **demand** [FW80]. **density** [Ber87]. **dependent** [FW80, NS81]. **depth** [PY82]. **description** [Uhl85]. **design** [CLR87, Gol85a, Sug83, Won80]. **designs** [CMW85, CCPR82, GLL80]. **detection** [Chr83]. **Determinacy** [Pro83]. **determinant** [Ber80b]. **determinants** [Bul85]. **Diagonal** [BPP81, BH83, CDS83, ES82, HMS87, HH86]. **diagram** [LLM84]. **dictionary** [SW86]. **Difference** [Cla86, Gup86]. **different** [HS81]. **differential** [Ber87, BJW85, CP83, Cam83, Cla86, Grü86]. **Differentiate** [GM86]. **diffusers** [Buc86]. **diffusion** [GGH80, Gup86]. **digital** [AS80, Joh85]. **digits** [Pro82b]. **Digraph** [Bou87, KS85, SP84]. **digraphs** [Gan81]. **Dilworth** [Sak80]. **dimension** [CL84, EOZ87, KS87b, Wim84, Yan82].

**dimensional** [ABBW87, CGJ82, HG85]. **dimensions** [BS83]. **direct** [FP84, Hey87, WT81]. **direct-iterative** [FP84]. **directed** [BE84, BH85c, Cun82, Gil80b]. **directional** [FJ81]. **Discounted** [ACN80]. **Discrete** [Fis84, Per87, Bal85, Bos84, CS87, Cia85, Dre82, FS85, Grü81, Per83, TS85, Vic84]. **discretization** [Grü86]. **Disjoint** [RS85, CH81, EOZ87]. **Disjunctive** [Bal85]. **displacement** [BM87]. **distance** [DW80]. **distances** [MT83]. **distinct** [KW80a]. **distributed** [BM80]. **Distribution** [CGW87, HR86, Hav86, PR82, SW86]. **distributions** [Bar80, BP86, CS87, FP86, Hey87, KMS84]. **domains** [AJ84]. **dominant** [Neu86]. **dominating** [CK87]. **domination** [CN84, LPHH84]. **Double** [CR82, Pro85]. **double-basis** [Pro85]. **Doubly** [HG85]. **Doubly-periodic** [HG85]. **Drazin** [Bra82]. **dual** [BHP86, Coo83, Fis87, Hal85]. **duality** [HM84]. **Duffin** [Cha83]. **duplicate** [Wes82]. **Dynamic** [Sax80, BL86, CK87, HR85, Rot81, Yao82]. **Dynamic-programming** [Sax80]. **Dynamical** [Gol85b]. **dynamics** [GH85].

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**equation** [Ber87, BJW85, FS85, Grü86, LR83, MW81, Szp87, TS85, Wim82].  
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**graph-restricted** [Owe86].  
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MN84, OBB81, PS86, Sak82, SK86, Sax80, SS85, She82, SCC83, Tay82, Wan83, Wan84]. **gravity** [Elf81]. **Greedoids** [KL84]. **greedy** [BL86, FW82, HKS85]. **Group** [EH87, GM86, AJ85, Bac82, CH80a, CH81, DK87, Fis84, HHW81, HSD81, Hwa84, KV86, Lam87, Meh86]. **groups** [MP84b, Sta80a, Sta80b]. **grown** [MP84a]. **growth** [FS80, Rot81].

**Hadamard** [BS87]. **Hahn** [Dun80]. **hair** [Mon86]. **hairs** [APSZ81]. **Half** [DGK81b]. **Half-plane** [DGK81b]. **Hamiltonian** [GS84]. **Hammond** [GJR83]. **handicap** [Ber80a]. **Hard** [Lin86, Bou84, Sta80a]. **harmonious** [GS80, HK83]. **Hash** [FK84]. **having** [GH87a]. **Helly** [Pec81]. **Hermite** [KKS87]. **Hermitian** [DGK83, Gag83, JR85, dN85]. **Hessian** [CC86]. **heuristic** [FW82, Lin87]. **heuristics** [Lan84, Won80]. **hierarchical** [Toc84]. **hierarchy** [Bal85]. **Hill** [Tov85, DS87]. **hill-climbing** [DS87]. **homogeneous** [FW80]. **Homology** [Sta85]. **homometric** [RS82]. **hookup** [KCP82]. **Hopf** [Hil87]. **HSD** [AMMT87]. **Hypergeometric** [HSD81]. **hypergraphs** [FJ86]. **hyperplane** [Rot84]. **hypotheses** [SSM84].

**identifying** [DM86]. **II** [CP87, DGK80, Gag83, Kan82a, KS87b, Red85b, Red86, Ros82]. **ill** [AG83]. **ill-posed** [AG83]. **images** [Joh85]. **immanantal** [Mer86]. **Implementation** [Pro85]. **implications** [BH83]. **improve** [Phi87]. **Incidence** [LR81, Sak80]. **including** [Tre86]. **Incomplete** [Buo86]. **Incremental** [CBS85]. **indecomposability** [BL83]. **independence** [BP82, Hul84]. **independent** [BE84, Wil86]. **Index** [Cam83, Bol83, Bra82, DG86]. **indifference** [CR82]. **industrial** [Tog86]. **Inequalities** [DF83a]. **inequality** [BR82, DER85, Hil87, She80]. **inertia** [JR85]. **infinite** [KV86, Wim84]. **information** [Kör86]. **Inherited** [BJOv87]. **Instability** [Vic84]. **Integer** [BT81, FF80, Sta85]. **integral** [Coo83]. **intersecting** [FFF<sup>+</sup>86, Fis87]. **intersections** [Rot84]. **interval** [Fis81, Fis83, GW80, LAP82]. **Intrinsic** [Abe85]. **invariant** [Bha83, Chu85a, Dok87, Jon82, SK86]. **inventory** [FW80]. **Inverse** [AT86, BJOv87, Cha83, DGK80, Lam87, Toc84]. **inverses** [MW87, Smi81, Tre86]. **Inversion** [GM86, Min85a, Tre85]. **Invertible** [EGL87]. **Inverting** [GLM84]. **irreducibility** [BL83]. **irreducible** [Gol80, Har86]. **Isolating** [AG83]. **isomorphic** [Taz85]. **Isomorphism** [KCP82]. **iterations** [BP86]. **Iterative** [KMS84, FP84, Gup86, Had85, Kri85, Ple86, UP83].

**Jacobi** [Dun80, Ebe87, Lew80]. **Jacobian** [NR83]. **jointed** [DM86]. **jump** [EZR85]. **jump-critical** [EZR85].

**Keldysh** [Ste86]. **Kerdock** [Kan82b, Kan82a]. **kernels** [SS85]. **keyblocks** [DM86]. **keys** [Dem80]. **Kirchhoff** [Cha87]. **KLYM** [DF83a]. **Knuth** [KV86]. **Ko** [DF83b, FF80, Sta80b]. **Komlós** [Kör86].

**Labelled** [GJ86]. **labelling** [WCLO86]. **large** [AJ84, BW80]. **largest** [KW80b]. **Latent** [Fis87]. **later** [DF83b]. **Latin** [GM87a]. **lattice** [BS83, Gil80a]. **Lattices** [Neu83, CS84, Vo81]. **Laurent** [Bul85]. **layered** [MIN87]. **layout** [CLR87]. **Layouts** [LLM84]. **lead** [Chu86]. **leading** [BH85a]. **Leaky** [Ber83]. **least** [DGK80, MT83]. **least-distances** [MT83]. **least-squares** [DGK80]. **Lefschetz** [Sta80a]. **Legendre** [Grü86]. **lemma** [Min85a]. **lemmas** [MN80]. **length** [APSZ81, Cha87, Mon86]. **level**

[DW85, Moo83]. **lexicographic** [Vo81]. **Lie** [MP84b]. **limitations** [Abe85]. **limited** [PY82]. **limiting** [Mey80, Per87]. **line** [BW86, Car84, DER85, Gal86, HS81]. **line-connectivity** [BW86]. **line-sum-symmetric** [DER85]. **Linear** [BL83, KOY86, Bol85a, Buz82, Cam83, CFG80, DD85, Dok87, FP84, GP83, Had85, KL84, Len82, MIN87, OW85, Pro85, Pro83, Pro87, SSM84, Szp87, UP83, de 87, de 84a]. **linear/nonlinear** [MIN87]. **lines** [HRS87, MT83]. **lives** [Bha82]. **Local** [Mac81, Tov85]. **location** [CNW80, CT82, DW80, HS81, MZH83, Tam83, Zem85]. **logarithms** [BFHMV84]. **lot** [FW80]. **lot-size** [FW80]. **low** [KS87b]. **lower** [Gal86, Len82, Pip80]. **Lyapunov** [CT15, BN87, CDJ82, FS85].

**majority** [AJ84, Abe85]. **Majorization** [Lih82]. **manifold** [Chu84]. **manipulability** [Tog86]. **Mappings** [AJ85]. **maps** [BB87, DD85, FB84, Sak80, Wal83]. **marketing** [Zem81]. **Markov** [BP86, Bar86, BB87, FS84, FB84, GM86, HR86, Hav86, Hey87, KMS84, Lat82, Mey80, NS81]. **Markov-dependent** [NS81]. **matched** [GHW86]. **matching** [Coo83]. **matchings** [Vo81]. **Mathematical** [JS86, Dre82]. **mathematics** [Fis84]. **Matrices** [HMS87, AO86, AMT86, AT86, AMMT87, Bra82, BL86, BL83, BS86, Buo86, BB87, CDJ82, CC86, DER85, DGK83, EJ82, EGL87, ES82, Gan81, GH87a, GLM81, GLM83, HM84, Har86, Has85, HKS85, JS81, JOv83, JR85, KKS87, KW80a, Lew80, LR81, Mat84, MIN87, NR83, OW85, Per87, RZ82, Ros84, Sha87, SP84, Smi81, Tam83, Toc84, Tre85, Tre86, VC82, Wal86, Wat87, dN85]. **Matrix** [BH83, RV83, Bar86, BJOv87, BPP81, BJW85, CDS84, Cha82, Chu86, DGK81a, DGK81b, EH87, FS80, FP84, Grü81, HU85, HH86, LR83, Liu87, MN80, Min85a, Ros82, Ste86, TS85, Uhl85, Vic85].

**matrix-valued** [DGK81a, DGK81b]. **matroid** [Cha83]. **matroids** [BM84, IW81, Tod84a]. **maximal** [BE84, BR82, Col82, Wil86]. **maximization** [MS86]. **maximize** [DFL82]. **maximizing** [BCCL83]. **Maximum** [Fis81, HHS82, MZH83]. **mean** [AMMT87, Bha82, GM87b]. **means** [AW80, AT86, Chu86]. **merging** [HH82]. **meromorphic** [Bul85]. **message** [Dav86]. **message-passing** [Dav86]. **metagraphs** [Čul84]. **metapaths** [Čul84]. **method** [AO86, BHP86, DM86, FP84, Hal85, Kri85, Neu86, PR85, Pro85, SN85]. **methods** [Cla86, Ebe87, GLM81, Hey87, Hul84, KMS84, LC84, PR82, SW87, UP83]. **metrics** [CK86]. **middle** [Sal84]. **middle-cut** [Sal84]. **min** [Len82]. **min-cut** [Len82]. **minimal** [Coo83, PR85]. **minimax** [DW80]. **Minimean** [HS81]. **minimization** [BPR82, DGK81b, Mon86]. **Minimizing** [DH82, GP83]. **minimum** [CGW87, CW87, DFL82, GH82, Lin87, Wen87, Yan81]. **minors** [Cha82, GH87a]. **mixed** [MIN87]. **Mixing** [Mat87]. **model** [AB84, BP85, Elf81, Gol85a, HR85]. **models** [FW80, Pro87, SSM84, Wal85]. **modes** [LL87]. **moments** [SWG83]. **monomial** [Wat87]. **monotone** [JS81]. **monotonic** [PS83]. **Monotonicity** [Bol85b, GYY80, She80]. **Monte** [Gra81]. **most** [MP84a]. **motions** [WW87]. **Muller** [Tie85]. **multi** [Vo81]. **multi-subset** [Vo81]. **multicandidate** [Bol83]. **multicommodity** [ST80]. **multigraphs** [AT85]. **multipartite** [Taz85]. **multiple** [Cia85, Doi87, Tov85]. **Multiplication** [Bar84]. **multiplicative** [Rot81]. **multiplier** [DM86]. **multipliers** [Red85a, Red85b, Red86]. **Multiplying** [CW82]. **multipole** [FP81]. **multiport** [Cha87]. **multiprocessor** [Dav86, DFL82]. **Multisets** [dK82]. **Multisplittings** [OW85]. **multivariate** [Ber87]. **Munkres'** [CBS85].

**Nash** [CT15]. **Navier** [Hal85]. **near** [Fin85]. **near-traceable** [Fin85]. **nearest** [FJ81]. **nearest-neighbor** [FJ81]. **nearly** [HR86, Hav86, KMS84, Phi87, Ros82, Sha87]. **neighbor** [FJ81]. **Neighborhoods** [Neu86]. **Network** [Col87, AM81, HS81, SW87, WS82, Won80, de 84a]. **networks** [Cha87, Gol85b, KKP85, MMP80a, MMP80b, Pip80, PY82, Pro83, ST80, Tch85]. **neural** [Gol85b]. **Next** [BC81]. **Next-Fit-Decreasing** [BC81]. **nilpotent** [Gan81]. **NN** [Mac81]. **no** [HHS82, Rab85]. **nodes** [Bar82]. **non** [SCC83]. **non-series-parallel** [SCC83]. **nonabelian** [AJ85]. **nondestructive** [BH85b]. **nonisomorphic** [Wal83]. **nonlinear** [Joh85, MIN87, Whi86]. **Nonnegative** [BJW85, EJ82, JS81, Sam80, BL83, DER85, FS80, Lew80, Vic85]. **Nontestable** [SSM84]. **norm** [MS86]. **normal** [Ber87, KS87b]. **normality** [BP85]. **normalized** [Gag81, Gag83, KS87a]. **norms** [Rot84]. **Note** [CT15, Chu85a, Gil80b, SP84]. **nowhere** [HVW82]. **NP** [CCPR82, GJ83, Gil80b, Mon86, Yan81]. **NP-complete** [CCPR82, GJ83, Mon86, Yan81]. **NP-completeness** [Gil80b]. **null** [CP86, CP87, GH87b]. **number** [BCCL83, BE84, Buc87, Buz82, Chu85a, Cia85, GJ83, GW80, KT81, Ops82, Pip80, Rub86, Wil86]. **numberings** [MD86]. **numbers** [Moo83, Sak80]. **Numerical** [Hal85, Cla86].

**objective** [KL84]. **objects** [Cia85]. **Obtaining** [Gol80]. **occurrences** [Kir83]. **odd** [Boo82]. **on-line** [Gal86]. **one** [DS87, Ebe87]. **one-factorizations** [DS87]. **one-sided** [Ebe87]. **ones** [BS86]. **Operator** [CT15, BN87, LC84]. **operators** [Dok87, GM87b, Per87]. **opposing** [DW85, GJTY83]. **Optical** [Shr84]. **optima** [Tov85]. **Optimal** [CMW85, Chr83, DH87, Gra81, HSY85, MD86, BS83, BS87, CDS83, Jon82, SP84].

**optimization** [Bal85, BT81, CM84, Had85, HT86, Hul84, PS83, Rot84]. **Optimum** [SN85]. **Order** [DD85, Boo82, MMP80a, MMP80b, MP84b, Tie85, Yan82]. **ordered** [EZR85, GP83, Lih82]. **orderings** [KS81]. **orders** [CFG80, DW85, Fis81, Fis83, GYY80, Sak80, She80, WT81, Win83]. **ordinary** [BJW85]. **orientations** [GP85]. **oriented** [BM84, Tod84a]. **originators** [FP81]. **orrery** [AB84]. **Orthogonal** [Dun80, Bar84, Bar87, BPP81, CH87, MS81, Per83]. **orthogonal-symmetric** [CH87]. **orthonormal** [Phi87]. **other** [Bol85b]. **outerplanar** [Col82, Hea87, PS86]. **overlap** [SW86]. **overlapping** [Her84a]. **overload** [AS80]. **overrelaxation** [SN85].

**packed** [BCCL83]. **packing** [BC81, CN85, CGJ82, FW82, Gal86, HS86, She81]. **Packings** [HK86]. **pair** [KSS80]. **paired** [Ber80a, KS85]. **pairs** [CDS84, CTPR85]. **paradoxes** [Bol85b]. **Parallel** [Whi86, WS82, Ebe87, HT86, KKS87, OW85, Ple86, SCC83, de 87]. **parameter** [Bha83, SN85]. **Parametric** [Gal86]. **parametrization** [DGK83]. **parity** [Mol86]. **partial** [AP86, CFG80, GYY80, Sak80, She80, WT81, Win83, Yan82]. **partially** [Lih82]. **partition** [Bol87, CM84]. **partitioning** [Bar82, Dji82, HSY85]. **Partitions** [Tan83]. **passing** [Dav86]. **path** [CG82]. **paths** [RS85]. **patterns** [CH80b]. **pebbling** [Liu87]. **Perfect** [CRS83, FK84, Mol86, Phe83, Sak82, She82]. **perfection** [CN85]. **Performance** [Lan84]. **periodic** [HG85, Zem81]. **Permutation** [Tch85, BW80, LL87, MP84a]. **permutationally** [GH82]. **Permutations** [BM87]. **person** [Dia80]. **personnel** [WCLO86]. **perturbation** [Bol85a, Mey80, dN85]. **phase** [Lat82]. **phase-type** [Lat82]. **picycles** [Fis83]. **pivoting** [Dav86]. **placement** [CBS85].



- Plackett** [Ber87]. **Planar** [DGK80, Dji82, HS85, Sak82]. **plane** [DGK81b, Gil80a, LLM84, LY82, Sug83]. **planes** [Kan82b, Kan82a]. **plant** [CNW80, CT82]. **point** [FS84, Gol82, HVW82, Lat82]. **point-symmetric** [HVW82]. **polar** [CH87]. **Polya** [BP85, Gol85a]. **Polya-Eggenberger** [BP85]. **polyhedra** [AJ81, Buc87, Cha87]. **polyhedron** [Coo83, Gil81, KT81]. **polymatroid** [BT81]. **polynomial** [BP82, Gat83, KKS87, Mer86, Per83, Ran85, SK86, Sax80]. **polynomials** [Bar84, Bar87, DGK80, Dun80, Gol80, PR85, Rub86, Ste86, Wan83]. **polytopes** [BM84, Tak81]. **posed** [AG83]. **poset** [DD85]. **posets** [DF83a, Pro82a]. **positive** [Bar86, CDS84, HM84]. **postman** [Gil81]. **powers** [FS80]. **Practical** [Dre82]. **predator** [RZ82]. **Preemptive** [de 84a]. **prefix** [SW86]. **preserving** [BL83, DD85]. **presidential** [Bol83]. **prey** [RZ82]. **prey-predator** [RZ82]. **primal** [CT82]. **prime** [Gat83]. **primitive** [Ros82, Sha87]. **principal** [BJOv87, GH87a]. **priority** [MMP80a]. **Probabilistic** [Zem85]. **Probabilities** [FFF<sup>+</sup>86, GM86, Mey80]. **probability** [CS87, KV86]. **probable** [MP84a]. **problem** [Boo82, Bos84, Bum81, CG82, CT80, CH80a, CH81, CLR87, Cla84, CC86, CP86, CP87, CK87, CT82, Dji82, GS84, GGH80, Hoc83, HS85, HS86, HHW81, KS87a, KS87b, Lan84, Len82, MS86, MZH83, Mon86, Pro85, RP85, SN85, Tre86, Wen87, Won80, Yan82]. **problems** [ANW84, AT86, AJ81, AJ85, AG83, Bal85, BH85a, BT81, BH86, Bol85a, BL86, BHP86, CN84, CNW80, ES82, FW82, Hal85, JM87, Lin86, LC84, Rot84, SW87, Sug83, Tam83, Whi86, WS82, Zem85]. **procedure** [CBS85]. **process** [Lat82]. **processing** [CBS85]. **processor** [DFL82, Phi87]. **product** [Phe84, Sak80]. **products** [Bar87, RV83, WT81]. **Profile** [DW85]. **programming** [Bal85, BL86, CK87, Dre82, HM84, HR85, Pro85, Sax80, Sta85, Yao82, de 84a]. **programs** [FS84]. **projection** [CS87]. **Projectionally** [BLP87]. **projective** [Gam86]. **prolate** [Grü81]. **proof** [Ber80b, Cha82, Gyö86]. **proper** [OBB81]. **properties** [BW86, BL83, GYY80, KV86, Mac81, She80, de 84b]. **property** [Grü86, Pro82a, Sta80a]. **proportional** [Bol85b].
- Quadratic** [Dok87, BJW85, CW82, DGK81b, HM84, Rub86]. **quadrics** [Gam86]. **qualitative** [GLM81]. **quantizer** [BS83]. **quasidistance** [SP84]. **Quasimonotonic** [EHH87]. **queues** [LN80].
- R** [CT15]. **radius** [BS86, BB87, KS87a, KS87b]. **Rado** [DF83b, FF80, Sta80b]. **Radon** [Mor86]. **Random** [Gil80a, LT80, Tak81, BE84, Bar80, Buc87, FFF<sup>+</sup>86, KT81, KW80b, MP84a, Mat87, MMP80a, MMP80b, Sam80]. **Randomly** [Fin85]. **rank** [LR81]. **Ranking** [KS85, Ber80a]. **rankings** [CK86]. **rates** [Mat87]. **ratio** [ACN80]. **reaction** [GGH80]. **reaction-diffusion** [GGH80]. **real** [Rub86]. **realizations** [SP84]. **Rearrangeable** [PY82, Pip80]. **recognition** [AP86]. **recognizing** [Sax80]. **Reconstruction** [KSSS80, Per81]. **rectangle** [BCCL83, FHM80]. **rectangles** [BH85a, CKSS81]. **Rectangular** [GLM83, GLM81]. **Rectilinear** [FHM80, Gyö86, Sak82]. **recurrence** [BPR82, Szp87]. **recurrences** [HG85, WS82]. **recursion** [TZ83]. **Recursive** [Bac82, Min85b, BPR82, BS87]. **recursiveness** [GJR83, GJ86]. **reducible** [Ros82, Sha87]. **reducing** [Car84]. **reduction** [HH86]. **Reed** [Tie85]. **regions** [AO81, CKSS81, CS84, Sak82]. **regression** [Mac81]. **regular** [Ros84, Tak81]. **related**

[ES82]. **relations** [BPR82, MN84, SS85]. **relationship** [GH82]. **Relationships** [CK86]. **relative** [JS86]. **relaxations** [Bal85]. **reliabilities** [Hwa86]. **reliability** [BP82, DC81, SK86, SW87]. **renewal** [FS84]. **representation** [Bol85b, CNW80, DGK81a, Kir83, ST80, Toc84]. **Representations** [Pro82a, Bac82, CRS83, Doi87, SL83]. **require** [KKK83]. **requirements** [Car84]. **requiring** [KS81]. **residual** [Bha82]. **residue** [CW82]. **resilience** [Col87]. **resource** [Lan84]. **restricted** [BM87, Owe86]. **result** [Bol85a]. **results** [AJ81, DK87, NS81]. **reversibility** [Vic84]. **reversible** [HVW82]. **Riccati** [TS85, Wim82]. **rigidity** [LY82]. **ring** [Zem81]. **Robinson** [KV86]. **Robinson-Schensted-Knuth** [KV86]. **robots** [Tog86]. **rock** [DM86]. **Room** [DS87]. **root** [Gat83]. **rounding** [BT81]. **rounds** [HH82]. **routing** [WS82]. **rule** [Abe85]. **Runs** [SWG83].

**S** [CT15]. **salesman** [Cla84]. **Sampling** [Per81]. **satellite** [LL87]. **satisfy** [Her84a]. **scalar** [HMS87]. **scaling** [BPP81, DER85]. **scaling-inequality** [DER85]. **Scheduling** [DFL82, GJTY83, DW85, de 84a]. **scheme** [Ple86]. **schemes** [Bol85b, Had85, Per81]. **Schensted** [KV86, Vo81]. **Schur** [DGK81a, DGK83]. **search** [BM80, Boo82, Bos84, Cia85, MP84a]. **second** [Mer86, Tie85]. **sections** [GHW86]. **selection** [HT86]. **self** [MS81]. **self-orthogonal** [MS81]. **selfadjoint** [EGL87]. **semi** [Kri85, Lat82]. **semi-iterative** [Kri85]. **semi-Markov** [Lat82]. **Semiantichains** [WT81]. **semidefinite** [CDJ82, CDS84, HM84]. **semigroup** [AJ81]. **semiorders** [CR82, Doi87, Fis81]. **Sensitive** [Rot81]. **Sensitivity** [GM86, Elf81, Tog86]. **Separating** [FK84]. **separator** [GRE84]. **Sequence** [GHW86]. **sequences** [EHH87, FF80, Gam86, Gam87, HIS81, HG85]. **sequential** [BM80]. **series** [Col82, GJR83, HT86, SCC83]. **series-parallel** [HT86]. **Set** [KS81, CK87, DF83a, Gol82, Hoc83, HSY85, Sha87, VC82]. **sets** [BH85b, CH81, EZR85, FFF<sup>+</sup>86, GP83, HHS82, JR85, Kan82b, Kan82a, Lih82, Pec81, Phi87, RS82, Wil86]. **setups** [GP83]. **Shannon** [Far86]. **shape** [MP84a, Rus80]. **sharpening** [Joh85]. **shellable** [BP82]. **shifts** [HMS87]. **short** [Gyö86]. **shuffle** [LLM84]. **shuffle-exchange** [LLM84]. **side** [GM87a]. **sided** [Ebe87]. **sign** [GH87a, HMS87]. **signed** [GLM83, GLM84]. **Signs** [TZ83]. **similarity** [ES82]. **simple** [AJ84, AT85, CNW80, CT82, Rab85, Tay82]. **simplex** [Neu83, Pro85]. **Simplified** [Hwa86]. **Single** [DW80, ST80]. **Singular** [CT15, Bar86, Buo86, BN87, CP83, Cam83, Cla86, Had85, Ros84, Tog86]. **sitting** [HS86]. **Size** [FK84, FW80]. **skeletal** [Sug83]. **slides** [SWG83]. **small** [GJ86, Hea87, Sax80]. **small-bandwidth** [Sax80]. **smallest** [Bar86]. **Smith** [KKS87]. **soft** [BS87]. **sojourns** [KW80b]. **Solution** [FS85, Szp87, BHP86, Cla86, EJ82, FW80, Gup86, Had85, Hal85, Hoc83, LM82, Min85b, OW85, Rab85, UP83, de 87]. **solutions** [BR82, BJW85, Buz82, LN80, Rot84, SS85, Vic85]. **solvable** [CP83]. **solve** [HS86]. **solving** [AG83, Gat83, SN85]. **Some** [AJ81, BR82, BPR82, DK87, GYY80, Her84b, KKP85, Sta80b, von81, Bha82, Bol85b, Đok87, MN80, Per83, She80, Sug83, Szp87, Wan84, de 84b]. **sonar** [Gam87]. **SOR** [SN85]. **Sorting** [HH82]. **space** [Car84, CP86, CP87, GH87b]. **spaces** [ABBW87, Cha87]. **spanning** [Ber86, GH82]. **Sparse** [KOY86, CC86, GH87b, Liu87, NR83, Toc84]. **spatially** [BM80]. **spatially-distributed** [BM80]. **specified** [Gol80]. **Spectra** [Wan84, GH87a, Shr84]. **spectral** [BS86, BB87]. **spectrum** [Gup86]. **Speed**

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