

# A Complete Bibliography of Publications in the *SIAM Journal on Applied Algebra and Geometry*

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## Title word cross-reference

[SR18, Sha19]. **Auxetic** [BS17].  
**Bad** [SG17]. **Barrier** [ABGJ18]. **Base** [SG17]. **Based** [BYF<sup>+</sup>19]. **Bases** [KM19, SG17]. **Bijectivity** [MHR19]. **Bilinear** [KK17]. **Biomembrane** [CGY17]. **Birationally** [CDM18]. **Bodies** [FE18]. **Body** [GO19a]. **Border** [CGJ19, LM17]. **Bottleneck** [DEW20]. **Bound** [FE18]. **Branching** [BCHP18]. **Breaking** [BCGO17]. **Buildings** [Hir19].  
**Calibrated** [Kil17]. **Can** [BK20]. **Cartan** [ÖSS18]. **Cells** [BK18]. **Certifying** [Sau19]. **Characteristic** [Mic19]. **Characterization** [NFB19]. **Chief** [Stu17]. **Chordal** [CP17]. **Circuit** [DIW17]. **Code** [CGJ<sup>+</sup>17]. **Coded** [FHGHK17]. **Codes**  
 $C^2$  [CGY17].  $\mu$  [SG17].  $n$  [GO19a].  $X$  [CQU17].  
**-Bases** [SG17]. **-Rank** [CQU17].  
**Actions** [MKS<sup>V</sup>20]. **Alexander** [GK17]. **Algebra** [MKS<sup>V</sup>20]. **Algebraic** [CMS17, DEW20, KRV20, LS19, Sch18a]. **Algorithm** [Mic19]. **Alternatives** [AM19]. **Ambiguity** [Edi19]. **Anomalies** [SG17]. **Application** [CGY17]. **Applications** [Der18, KK17, MS19]. **Approach** [BYF<sup>+</sup>19]. **Approaches** [Ave19]. **Arbitrary** [BK18]. **Arithmetic** [Kop17]. **Associated** [SG17]. **Attacks** [CLS17]. **Autonomy**

[BNRS19, CFS19, Jef20, LS18b].  
**Cohomology** [YL17]. **Colluding** [FHGHK17]. **Comon** [Shi18]. **Completion** [KKKR17]. **Complexes** [BHS<sup>+</sup>19, MHP18]. **Computation** [LS19]. **Computing** [Hir19]. **Condition** [Bür17]. **Conditions** [KK17]. **Conjecture** [Shi18]. **Connection** [BYF<sup>+</sup>19]. **Connection-Based** [BYF<sup>+</sup>19]. **Connections** [MKS19]. **Connectivity** [CMS17]. **Consistency** [MHP18]. **Constrained** [MHP18]. **Containment** [FNT17]. **Contraction** [ÖSS18]. **Control** [BCGO17]. **Controls** [MHP18]. **Convex** [CGJ<sup>+</sup>17, FE18, Hir19, Sch18a]. **Convexity** [CFS19]. **Corrigendum** [Sha19]. **Cost** [BCGO17]. **Counterexample** [Shi18]. **Counting** [CDM18, CHHM18]. **Coupling** [CHHM18]. **Cryo** [YL17]. **Cryo-Electron** [YL17]. **Curves** [CCW19, KRV20, Sch18a]. **Cycle** [Oba18]. **Cycles** [CCW19].

**Databases** [FHGHK17]. **Decidability** [CFS19]. **Decomposition** [BHS<sup>+</sup>19, CQU17]. **Decompositions** [LM17]. **Deconvolution** [KK17]. **Degree** [DEW20, Hir19, MRW20, RW17, SR18, Sha19]. **Denoising** [Der18]. **Design** [BS17]. **Determinant** [GO19a]. **Determinantal** [BvDD<sup>+</sup>17, Vol19]. **Determinants** [Hir19]. **Differential** [Cra19, KRV20]. **Dimension** [MM17]. **Dimensional** [Edi19, FNT17]. **Diophantine** [ADOO17]. **Dirac** [KW20]. **Discrete** [AA19, Hir19]. **Distance** [ALR19, MRW20, NFB19]. **Distinguishing** [GL18]. **Distributions** [AA19]. **DLP** [Mic19]. **Do** [BSV17]. **Doubly** [Dym18]. **Dream** [BSV17]. **Drone** [BK20]. **DSOS** [AM19]. **Duality** [GK17]. **Dynamical** [Cra19].

**Editor** [Stu17]. **Editor-in-Chief** [Stu17]. **Eigenconfigurations** [Koz18]. **Eigenvalues** [Bre17]. **Electron** [YL17]. **Elliptic** [CCW19]. **Embeddings** [HSW18].

**Equations** [ADOO17]. **Equilibria** [CDM18, CHHM18]. **Equivalence** [LS18a]. **Errors** [CLS17]. **Estimation** [MHP18]. **Euclidean** [HSW18, Hir19, MRW20, NFB19]. **Evasion** [GK17]. **Evolution** [LRR20]. **Exact** [Dym18]. **Exceptional** [HSW18]. **Expected** [Bre17]. **Explicit** [NFB19]. **Exponential** [MHR19]. **Exponential/Generalized** [MHR19]. **Extension** [BdSN17]. **Extraneous** [SG17].

**Factorization** [CKM<sup>+</sup>17]. **Factors** [SG17]. **Families** [MHR19]. **Fan** [MS19]. **Fano** [IZ17]. **Fewnomials** [BETC19]. **Fields** [Mic19]. **Finite** [CMS17, FNT17, Mic19]. **Finite-Dimensional** [FNT17]. **Flexible** [CGY17]. **Foundations** [LRR20, MKSV20]. **Frames** [CMS17]. **Free** [BSV17]. **Friendly** [CCW19]. **Fully** [Koz18]. **Functions** [AA19, BCGO17].

**Gaussian** [AA19, Bre17]. **General** [Der18]. **Generalized** [MHR19]. **Generator** [Oba18]. **Generic** [SR18, Sha19]. **Genetic** [LRR20]. **Genomic** [ALR19]. **Geometry** [Edi19, KKKR17, KM19, Kop17, LS19, LM17]. **Global** [NFB19]. **Gough** [HSW18]. **Graph** [CGG<sup>+</sup>18]. **Group** [HSW18]. **Groups** [LS19, ÖSS18].

**Hear** [BK20]. **Higher** [BdSN17, HKU17, KM19]. **Higher-Order** [HKU17]. **Homogeneous** [Las19]. **Homology** [HOST19, MKPGC19, Oba18]. **Hulls** [Sch18a]. **Hyperbolic** [Sau19].

**Ideals** [CP17, KW20]. **Identifiability** [CQU17, KK17]. **Inclusions** [Cra19]. **Independence** [RW17]. **Index** [CDM18]. **Inequalities** [Ave19]. **Inference** [ALR19]. **Infinity** [SG17]. **Information** [FHGHK17]. **Injectivity** [KK17]. **Innovation** [LRR20]. **Integration** [MKS19]. **Interior** [ABGJ18].

**Interpolation** [BdSN17]. **Intersecting** [Bür17]. **Intersection** [CDM18]. **Invariant** [CDM18, MKSV20]. **Invariants** [LS19]. **Inverse** [KK17]. **Irrationality** [CKM<sup>+</sup>17]. **Irreducibility** [CMS17]. **Isoperimetric** [DLSS19].

**Khovanskii** [KM19]. **Kronecker** [MM17]. **Kuramoto** [CDM18, CHHM18].

**Laman** [CGG<sup>+</sup>18]. **Lattice** [LS18a]. **Lattices** [BK18]. **Leaf** [GO19b]. **Learning** [BYF<sup>+</sup>19]. **Lemmas** [MS19]. **Lie** [MKSV20]. **Likelihood** [RW17]. **Linear** [ADOO17, Ave19, Bür17]. **Local** [CFS19, KW20]. **Locating** [CHHM18]. **Log** [ABGJ18, ALR19]. **Log-Barrier** [ABGJ18]. **Log-Det** [ALR19]. **Lower** [FE18].

**Makes** [CGJ<sup>+</sup>17]. **Manifold** [BYF<sup>+</sup>19]. **Manifolds** [MKSV20]. **Many** [BSS18]. **Maps** [CQU17, MHR19]. **Marginals** [MM17]. **Mathematical** [LRR20]. **Matrices** [NFB19]. **Matrix** [Ave19, CKM<sup>+</sup>17, GO19a, LM17]. **Maximum** [RW17]. **Message** [Stu17]. **Method** [BSS18, LS19]. **Methods** [ABGJ18]. **Metric** [AAF18, BNRS19]. **Metrics** [CR20]. **Microscopy** [YL17]. **Minimal** [Kil17]. **Minimization** [NFB19]. **Mixtures** [KW20, RW17]. **Model** [CDM18, CHHM18]. **Modelling** [CGY17]. **Models** [MM17, RW17]. **Modules** [BdSN17]. **Moment** [KW20]. **Morphisms** [Jef20]. **Morse** [MHP18]. **Motion** [ÖSS18]. **Multilabeled** [MS19]. **Multiparameter** [HOST19]. **Multiplication** [LM17]. **Multiplicative** [CGJ19]. **Multiview** [MRW20].

**Networks** [CP17, Cra19, DP17, GL18]. **Neural** [CFS19, CGJ<sup>+</sup>17, Jef20]. **Noncommutative** [Vol19]. **Nonnegative** [CKM<sup>+</sup>17, DidW17]. **Nonnegativity**

[Sau19]. **Norm** [CMS17]. **Norms** [BK18, Nie17]. **Nuclear** [Nie17]. **Number** [Bre17, BETC19, CGG<sup>+</sup>18, LS18b]. **Numerical** [LS19, MKSV20].

**Obstruction** [CFS19]. **One** [CR20, CHHM18, Edi19, KKKR17]. **One-Dimensional** [Edi19]. **Operator** [FNT17]. **Optimal** [AAF18, Ave19, BCGO17, KK17, Oba18]. **Optimization** [AM19, Ave19, Hir19, Sau19]. **Orbit** [LS18a]. **Order** [HKU17]. **Ordinary** [GLSV19]. **Other** [LM17].

**Packings** [FJM18]. **Pairing** [CCW19]. **Pairing-Friendly** [CCW19]. **Parallel** [BYF<sup>+</sup>19]. **Parameter** [CR20]. **Partial** [GO19b]. **Periodic** [BS17]. **Persistence** [BdSN17, CR20]. **Persistent** [HOST19, MKPGC19, Oba18]. **Perturbation** [HKU17]. **Phase** [Edi19]. **Phylogenetic** [DP17, GO19b, GL18]. **Picard** [LS19, LS18b]. **Platforms** [HSW18]. **Point** [ABGJ18]. **Points** [SG17]. **Polyhedral** [BSS18]. **Polynomial** [ABGJ18, Ave19, CP17, CQU17, Cra19, Mic19, MHR19, Sau19]. **Polynomials** [DidW17, Las19, Mic19, Vol19]. **Polytopes** [BCHP18, LS18a]. **Positive** [BSS18, FE18, GK17]. **Positivstellensatz** [DidW17]. **Principles** [BS17]. **Private** [FHGHK17]. **Problem** [CLS17]. **Problems** [BCGO17, KK17, Kil17]. **Product** [CGJ19, MM17, SG17]. **Profiles** [DLSS19]. **Projective** [Bür17, FJM18]. **Pursuit** [GK17].

**Quantifying** [LRR20]. **Quasi** [Mic19]. **Quasi-Polynomial** [Mic19].

**Random** [BETC19]. **Rank** [BNRS19, CGJ19, CQU17, CHHM18, FE18, KKKR17, KM19, LM17]. **Rank-Metric** [BNRS19]. **Rank-One**

- [CHHM18, KKCR17]. **Rational** [SG17]. **Reaction** [Cra19]. **Real** [Bre17, BETC19, FJM18, Koz18, NFB19, Sch18a]. **Realization** [FNT17]. **Realizations** [CGG<sup>+</sup>18]. **Reconstruction** [AAF18, GLSV19]. **Recovery** [Dym18]. **Related** [LS19]. **Relaxation** [Dym18]. **Representation** [BNRS19, Sch18a]. **Representations** [BvDD<sup>+</sup>17, GO19b, Vol19]. **Representative** [Oba18]. **Requires** [CKM<sup>+</sup>17]. **Resolutions** [BSV17]. **Resonant** [Kop17]. **Respect** [BK18]. **Reticulate** [LRR20]. **Retrieval** [Edi19, FHGHK17]. **RLWE** [CLS17]. **RNA** [BCHP18]. **Room** [BK20]. **Rossby** [Kop17].
- Scheme** [CGY17]. **Schemes** [IZ17]. **SDSOS** [AM19]. **Search** [CLS17]. **Segrè** [HSW18]. **Selection** [Mic19]. **Semidefinite** [AM19, Ave19, FE18, Sch18a]. **Sequences** [ALR19]. **Servers** [FHGHK17]. **Sets** [GO19b, Las19]. **Shadows** [Sch18b]. **Shape** [BK20]. **Signal** [Der18]. **Signatures** [KRV20]. **Silhouettes** [GLSV19]. **Singular** [BHS<sup>+</sup>19, Der18, HKU17]. **Singularities** [GLSV19]. **Size** [Ave19]. **Smale** [MHP18]. **Small** [CLS17, LS18b, Mic19]. **Solutions** [ADOO17, BSS18]. **Space** [DP17, GO19b]. **Spaces** [FJM18]. **Sparse** [ADOO17, BSS18]. **Special** [HSW18]. **Species** [ALR19]. **Spectrahedral** [FNT17, Sch18b]. **Sperner** [MS19]. **Sphere** [CGY17]. **Square** [NFB19]. **Squares** [AM19, BSV17]. **Stabilization** [CR20]. **Stable** [Vol19]. **Statistical** [MHP18]. **Statistics** [MKPGC19]. **Stewart** [HSW18]. **Stochastic** [Dym18]. **Stratifying** [HOST19]. **Strong** [SG17]. **Strongly** [ABGJ18]. **Structure** [BCHP18]. **Study** [LRR20]. **Subdivision** [CGY17]. **Sublevel** [Las19]. **Subspace** [Bür17]. **Sufficient** [MKPGC19]. **Sum** [AM19]. **Sums** [BSV17, DidW17]. **Surfaces** [GLSV19, LS18b, SG17]. **Symmetric** [NFB19, Nie17]. **Symmetries** [Dym18].
- Symmetrized** [NFB19]. **Symmetry** [BCGO17, LM17]. **Synchronization** [ÖSS18]. **Systems** [BSS18, Cra19, FNT17].
- Template** [MHP18]. **Tensor** [Bre17, BNRS19, CGJ19, KKCR17, Nie17, SG17]. **Tensors** [Koz18, LM17]. **Their** [GLSV19, Vol19]. **Theory** [Der18]. **Theta** [AA19]. **Tight** [CMS17]. **Tightest** [Oba18]. **Time** [Mic19]. **Topological** [LRR20]. **Topologically** [MHP18]. **Toric** [Cra19, IZ17]. **Total** [DLSS19]. **Tractable** [AM19]. **Transcendental** [LS19]. **Transformations** [FN18]. **Transport** [AAF18, BYF<sup>+</sup>19]. **Tree** [ALR19, GO19b]. **Triads** [FN18, Kop17]. **Trifocal** [Kil17]. **Tropical** [KM19, MKPGC19].
- Unfolding** [BYF<sup>+</sup>19]. **Uniform** [BvDD<sup>+</sup>17]. **Unit** [CMS17]. **Using** [ALR19, CDM18].
- Valuations** [KM19]. **Value** [BHS<sup>+</sup>19]. **Values** [Der18, HKU17]. **Variation** [DLSS19]. **Varieties** [CMS17, DEW20, IZ17]. **Variety** [Bür17, Kil17, MRW20]. **Varying** [Bür17]. **Versions** [MS19]. **Via** [AAF18, AA19, Hir19, MHP18, ÖSS18, Sau19]. **Voicing** [FN18]. **Volume** [Las19, Oba18]. **Volume-Optimal** [Oba18]. **Voronoi** [BK18].
- Wave** [Kop17].
- Zeros** [BETC19].

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**Adamaszek:2018:MRO****Allamigeon:2018:LBI****Aliev:2017:SSL****Allman:2019:STI****Ahmadi:2019:DSO****Averkov:2019:OSL****Bloch:2017:OCP****Barrera-Cruz:2018:SRB**

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**Chen:2017:FSS**

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