

# A Complete Bibliography of Publications in the *SIAM Journal on Mathematics of Data Science*

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## Title word cross-reference

**Acyclic** [LLM22]. **Adaptive** [BAKS24, HS22, LLRS23]. **Adaptivity** [HLRJ22]. **Admissibility** [BNS21]. **ADMM** [RSC<sup>+</sup>22]. **Adversarial** [BGS23, FWDJ23, GNZ23, JC23, LKA<sup>+</sup>21, MS23, WYSO20]. **Affine** [KL24]. **Aggregated** [BSV21]. **Aggregation** [MV22]. **Agony** [HET23]. **Algebraic** [BM20]. **Algorithm** [ANY19, AGL21, CCNP23, FP23, ZZST21, ZN22]. **Algorithmic** [JCD23, LWL20]. **Algorithms** [AG21, ABR19, BGS23, CDH<sup>+</sup>21, GPWS21, GCPT20, GH21, JB22, LLRS23, LST19, MWW22, MSK20, MOPS20, VGWS19, XSC22]. **Alignment** [BE24, LMR<sup>+</sup>20, PWB<sup>+</sup>19, RBO21]. **along** [LL24b]. **Alphabets** [BM22]. **Alternating** [LS23]. **Analysis**

$2r$  [BNZ21].  $3$  [BKSU22].  $\ell_0$  [DHP22].  $k$  [SGN22, Tri19].  $Q$  [CCM23, Rii23].  $t$  [LS19].

**-Connectivity** [Rii23]. **-Learning** [CCM23]. **-NN** [Tri19]. **-SNE** [LS19]. **-Variance** [SGN22].

**19** [HNP22].

**ABBA** [NPVB24]. **Absence** [PB24]. **Abundance** [WT22]. **Accelerated** [BBG20, CC22, DL22, LLP23]. **Accuracy** [BAKS24]. **Accuracy-Robustness** [BAKS24]. **Activation** [CP20]. **Activations** [MT24, Ver20]. **Active** [CZD<sup>+</sup>20, MC23].

[ANY19, Bac24, BBH23, BGJ20, BH22, CMS20, CDH<sup>+</sup>21, CZD<sup>+</sup>20, DR24, DJRW20, GGWX21, HM21, HNP22, HLZ20, KPR<sup>+</sup>21, MGHV21, MM23, OWXZ21, Rii23].

**Anomalies** [HNP22]. **AO** [RSC<sup>+</sup>22].

**AO-ADMM** [RSC<sup>+</sup>22]. **Application** [FP23, ML19]. **Applications** [BBH23, CDH<sup>+</sup>21, DH20, HFL<sup>+</sup>22, KTM20, MS24, NN24, Rii23]. **Applied** [CC22].

**Approach** [BSV22, HLZ22, RSC<sup>+</sup>22].

**Approximate** [Atc21, BK23].

**Approximately** [UT19]. **Approximating** [GNZ23]. **Approximation** [AC20, AD21, AdE22, BGJ20, BGKP19, CLM<sup>+</sup>22, DMR21, JS21, LLP23, NGBU23, PS21, SGL<sup>+</sup>20].

**Approximations** [ABC19]. **Archetypal** [OWXZ21]. **Area** [GPWS21]. **Argument** [TM20]. **armed** [SRR21]. **Arrangements** [BV19]. **Artificial** [BGJ20]. **Assess** [WWZM20]. **Asymmetric** [JCD23].

**Asymptotic** [HLZ20]. **Asymptotics** [LPJ<sup>+</sup>24]. **Attack** [DHP22]. **Attacks** [CZD<sup>+</sup>20]. **Autodifferentiable** [CSAW22].

**Automatic** [HLZ22]. **Averaged** [CP20].

**Avoid** [SM20].

**Backtracking** [MOPS20]. **Balance** [TL24].

**Balancing** [LMM22]. **Bandits** [SRR21, Zha22]. **Barycenter** [CC22, HMZ22]. **Barycenters** [ABA22, FP23]. **Based** [AG21, BFM<sup>+</sup>21, HFL<sup>+</sup>22, HGL24, LMR<sup>+</sup>20, MRS20, MC23, Tri19]. **Bayesian** [HLZ22, MNO20]. **Belief** [WWZM20].

**Benefit** [XSC22]. **Benign** [WT22].

**Between** [GB23, AD21, DB22, KMDM24].

**Beyond** [WYSO20]. **Bi** [HHvT22].

**Bi-Invariant** [HHvT22]. **Bias** [SRR21]. **Big** [UT19]. **Binary** [KT21, WT22]. **Biological** [CDH<sup>+</sup>21]. **Biwhitening** [LZK22]. **Black** [BGJ20]. **Blind** [CR22, SST20]. **Block** [HPG<sup>+</sup>22, PHLP19, SST20]. **Bootstrap** [ZG21]. **Bounds** [AdE22, ERK<sup>+</sup>19, MD19, WTD<sup>+</sup>21].

**Bregman** [CC22, HPG<sup>+</sup>22, MOPS20].

**Bundle** [ZG21]. **Butterfly** [ZRG23].

**Can** [DLB24]. **Capacity** [MT24, Ver20].

**Case** [CMR<sup>+</sup>21, DLB24, HNP22, KT21].

**Categorical** [BH22, TLFS21]. **Causal** [CDS23]. **Causality** [TLFS21].

**Centerpoints** [DH20]. **Central** [LL24b, dBSLNW23]. **Centralities** [Ben19].

**Centrality** [TCTER21]. **Certificates** [CP20]. **Chain** [Atc21]. **Chains** [BFM<sup>+</sup>21, GCPT20]. **Change** [YPWR24].

**Characteristic** [GPWS21]. **Circular** [AGL21, CCNP23]. **Classification** [DHP22, GPWS21, WT22]. **Classifiers** [BAKS24]. **Client** [ZBLR24].

**Client-Variance** [ZBLR24]. **Closing** [LPH<sup>+</sup>23]. **Clouds** [Tri19]. **Cluster** [ACQ23, BRZ22]. **Clustered** [SGN22].

**Clustering** [BDS21, CS19, CEH23, DM22, LM20, LS19, VGWS19]. **Coding** [ASE19, LR19]. **Coefficients** [FT20].

**Cohomology** [CW20]. **Collision** [NN24].

**Combinations** [JB22]. **Combined** [ZYWL20]. **Common** [DLB24].

**Communication** [CBD21, LLC22].

**Communication-Efficient** [CBD21, LLC22]. **Communications** [GIMA21]. **Communities** [ZLZ20].

**Community** [FKZ22, WWZM20].

**Compact** [HLZ22]. **Comparisons** [LST19].

**Complete** [CG19]. **Completion** [HZ21, OPAB<sup>+</sup>21, TTV19]. **Complex** [CLM<sup>+</sup>22, TL24]. **Complex-Valued** [CLM<sup>+</sup>22]. **Complexity** [ACU23, BE24, BH22, GGWX21, PWB<sup>+</sup>19, RBO21].

**Component** [CMS20, KT21]. **Components** [SBCG<sup>+</sup>19]. **Composite** [SBCG<sup>+</sup>19].

**Compressed** [BBH23, ZBLR24].

**Compressive** [LM20, ML19].

**Computation** [HMZ22, LLC22, LMXZ22].

**Computation-Optimal** [LLC22].

**Computational** [LST19]. **Compute** [ABA22]. **Concave** [MOPS20].

**Conditional** [KSS20]. **Conditioned** [BNZ21]. **Conditions** [JC23]. **Connected** [BGKP19]. **Connection** [DR24]. **Connectivity** [Rii23]. **Considerations** [ADN<sup>+</sup>23]. **Consistency** [Cal19, OWXZ21, SRR21]. **Constrained** [BTd22, VGWS19]. **Constraining** [RSC<sup>+</sup>22]. **Constraint** [AU21, TLSV20]. **Constraints** [BLLR22]. **Construction** [BLLR22]. **Contextual** [Zha22]. **Continuity** [PB24]. **Continuous** [MRS20]. **Continuously** [GPWS21]. **Contraction** [MHW<sup>+</sup>24]. **Controlled** [BK23, CLT20]. **Controls** [GGWX21]. **Convergence** [BTd22, BCP22, GGWX21, GH21, LS23, LWL20, TM20, dBSLW23]. **Convergent** [ZZST21]. **Convex** [AAR20, CS19, MHL<sup>+</sup>24, MOPS20, SNS21, TMTS23, TLFS21]. **Convex-Concave** [MOPS20]. **Conventional** [HH23, LPH<sup>+</sup>23, ML19]. **Convolutions** [JB22]. **Cooperative** [GGWX21]. **Coordinate** [ADN<sup>+</sup>23]. **Coping** [NPVB24]. **Core** [TH23, TH19]. **Core-Periphery** [TH23]. **Correct** [AG21]. **Correlated** [LMR<sup>+</sup>20]. **Costs** [dBSLW23]. **Count** [LZK22]. **COVID** [HNP22]. **COVID-19** [HNP22]. **Cryo** [BE24]. **Cryo-Electron** [BE24]. **Crystallographic** [BE20]. **CUR** [GH22]. **Curse** [BGJ20]. **Curve** [GPWS21]. **Cut** [LM20].

**D** [BKSU22]. **Data** [ACL19a, ACL19b, Bac21, BSV22, Cal19, CW20, CMR<sup>+</sup>21, DH20, DYM<sup>+</sup>22, ERK<sup>+</sup>19, GPWS21, HNP22, HYFB23, Kol19, LKA<sup>+</sup>21, LMM22, PS21, Sau22, SBCG<sup>+</sup>19, SGL<sup>+</sup>20, TMTS23, Tri19, UT19, VFMS23, ZQW<sup>+</sup>19]. **Data-Dependent** [ZQW<sup>+</sup>19]. **Data-Driven** [TMTS23]. **Deadly** [CCM23]. **Decentralized** [LLC22]. **Decoding** [ERK<sup>+</sup>19]. **Decomposition** [CR22, DR24, GH22, KH20, KT21, Sau22, ZK23]. **Decompositions** [ARB20, BBS24, MSK20]. **Deconvolution** [CR22, KZLW20]. **Deep** [AD21, AAR20, BFT23, BGJ20, BGK22, BGKP19, CFLL23, CLT20, EGT<sup>+</sup>21, GRS<sup>+</sup>20, LPH<sup>+</sup>23, MD19, NGBU23, PN22]. **Defense** [WYSO20]. **definite** [FADS22]. **Degree** [Cho20]. **Denoising** [Lee21]. **Density** [LC23, LMM22]. **Dependent** [CMR<sup>+</sup>21, KPR<sup>+</sup>21, ZQW<sup>+</sup>19]. **Depths** [MFM22]. **Descent** [Bac24, BHX20, DB22, GTM<sup>+</sup>24, PB24, SM20, TMTS23]. **Design** [BM22, JN24]. **Designs** [LMR<sup>+</sup>20]. **DESTRESS** [LLC22]. **Detectability** [WWZM20]. **Detecting** [ZLZ20]. **Detection** [BRZ22, FKZ22, TH19, TH23]. **Determinantal** [FSS22]. **Determination** [HLZ22]. **Deterministic** [HZ21]. **Dictionary** [CG19]. **Difference** [DMR21, KPR<sup>+</sup>21]. **Differential** [BGJ20, MFM22]. **Differentially** [BSV22]. **Differentiation** [BCP22]. **Diffuse** [BSV21]. **Diffusion** [BK23, CDH<sup>+</sup>21, HTR<sup>+</sup>23, MHW<sup>+</sup>24, SBCG<sup>+</sup>19]. **Dimension** [BLLR22, BBG20, HS22]. **Dimensional** [Bac24, FP23, GKBD19, HYFB23, LR19, LMM22, PS21, VFMS23]. **Dimensionality** [BGJ20, FADS22, HHV22]. **Dimensions** [Atc21, BBP23, RBO21]. **Diploid** [BKSU22]. **Directed** [BFM<sup>+</sup>21, LLM22, Rii23]. **Discovery** [DYM<sup>+</sup>22]. **Discrepancy** [KEB<sup>+</sup>24]. **Discrete** [BFT23]. **Discretizations** [BGK22]. **Dissimilarity** [HHvT22]. **Distance** [ANY19, BKSU22, DJRW20]. **Distances** [CDH<sup>+</sup>21, FILN20, LMM22]. **Distributed** [CBD21, DMR21, GIMA21]. **Distribution** [MV22, TLFS21]. **Distributional** [BH22]. **Distributions** [CLLD22, GNZ23, HHvT22, HN19, LL24a]. **Divergence** [GH21]. **Divergences** [BDK<sup>+</sup>21]. **Diversity** [ABR19, FSS21]. **Do** [PN22]. **Domains** [AC20]. **Dorfman** [LL24a]. **Double** [Bac24, BHX20, DB22]. **Doubly** [LCK21, LC23]. **Driven** [CP20, TMTS23]. **Dual** [CC22]. **Dynamical** [GTM<sup>+</sup>24, SST20, WTD<sup>+</sup>21]. **Dynamics**

[CMR<sup>+</sup>21, LMXZ22].

**Effectiveness** [Bac21]. **Efficiency** [YJWS24]. **Efficient** [ABR19, BGS23, BNZ21, CBD21, LLC22, NRHvBW21, SNS21, ZZST21, ZRG23]. **Eigenspace** [CBD21]. **Eigenvalues** [TCTER21]. **Eigenvector** [Ben19]. **Electron** [BE24]. **Embedding** [FADS22]. **Embeddings** [KSS20]. **Empirical** [BGJ20, KTM20]. **End** [HLZ22]. **End-to-End** [HLZ22]. **EnResNet** [WYSO20]. **Ensemble** [CSAW22, WYSO20]. **Ensembles** [LWL20]. **Entries** [BNZ21]. **Entropic** [Ker23, dBSLNW23]. **Entropy** [DDD<sup>+</sup>21]. **Equations** [BGJ20, MFM22]. **Equilibria** [MHL<sup>+</sup>24]. **Equivalences** [KMDM24]. **Equivariant** [BH24]. **Ergodicity** [FT20]. **Erratum** [ACL19a]. **Error** [BGJ20, Li21, MD19, WTD<sup>+</sup>21, XCRW22]. **Errors** [DB22]. **Escape** [HLZ20]. **Estimates** [DMS22, JN24, LLM22]. **Estimating** [HET23]. **Estimation** [BM22, BDK<sup>+</sup>21, CBD21, HN19, MS24, VMB<sup>+</sup>24, WTD<sup>+</sup>21, ZK23]. **Estimators** [BNS21]. **ETA** [YJWS24]. **Euclidean** [BKSU22]. **Evaluation** [GPWS21, LLP23]. **Evolving** [GPWS21]. **Exact** [LMXZ22]. **Expanders** [HZ21]. **Exponential** [CLLD22]. **Exponential-Wrapped** [CLLD22]. **Expressivity** [NPVB24]. **Extending** [SM20]. **Extensions** [FADS22]. **Extensive** [VFMS23]. **Extraction** [CDJN21, MGHV21]. **Extrapolation** [Bac21, BTd22, HPG<sup>+</sup>22]. **Extreme** [JS21, SNS21].

**Factorization** [AG21, JCD23]. **Factorizations** [ZRG23]. **FANOK** [ARdE21]. **Fast** [AAR20, BSV21, BRZ22, CDH<sup>+</sup>21, LS23, ZLRY20, dBSLNW23]. **Faster** [ZBLR24]. **Feature** [CDJN21]. **Features** [BHX20, DYM<sup>+</sup>22, KMDM24].

**Federated** [ZBLR24]. **Feel** [Zha22]. **Feel-Good** [Zha22]. **Few** [BNZ21]. **Feynman** [WYSO20]. **Field** [GTM<sup>+</sup>24, GGWX21]. **Filters** [CSAW22]. **Finite** [BM22, Cal19, DMR21, HN19, LR19, LLC22]. **Finite-Dimensional** [LR19]. **Finite-Sum** [LLC22]. **Finite-Time** [DMR21]. **First** [BRZ22, KL24]. **First-Order** [KL24]. **Fixed** [BBP23, Cho20]. **Flow** [ACQ23]. **Forests** [LPH<sup>+</sup>23]. **Formalism** [WYSO20]. **Format** [MSK20]. **Formulation** [DL22, FP23]. **Framework** [MNO20, ZQW<sup>+</sup>19]. **Free** [JCD23, MNW24]. **Frequency** [LMXZ22]. **Fully** [CMR<sup>+</sup>21]. **Function** [AC20, AD21, DMR21, HET23, LLP23]. **Functionals** [Tri19]. **Functions** [BV19, JS21, Lee21, LL24b, NGBU23, PN22]. **Fused** [ZZST21].

**Games** [MRS20, MHL<sup>+</sup>24, YAY23]. **GAN** [BSCB22]. **Gap** [AD21, LPH<sup>+</sup>23]. **Gaps** [Atc21]. **GAT** [FWDJ23]. **GAT-GMM** [FWDJ23]. **Gaussian** [BLLR22, CR22, DHP22, FWDJ23, GKD19, GKBD19, KSAY24, LCK21, VFMS23, WT22]. **GenCol** [FP23]. **General** [AC20, EY22, FP23]. **Generalization** [BGJ20, DB22, HHV22, Li21, LMXZ22, XCRW22]. **Generalize** [OT22]. **Generalized** [ABN21, GH22, PTG<sup>+</sup>23]. **Generated** [HH23]. **Generating** [BSV22]. **Generative** [FWDJ23, GNZ23, HH22, JB22, JC23, LKA<sup>+</sup>21]. **Generic** [CLT20]. **Genome** [BKSU22]. **Geometric** [GKBD19, MS24, PTG<sup>+</sup>23]. **Geometry** [BKSU22, HTR<sup>+</sup>23, KZLW20, LC23, LMM22, OT22]. **Given** [BBG20]. **Global** [BGS23, Coo21, PB24]. **GMM** [FWDJ23]. **GNMR** [ZN22]. **Good** [Zha22]. **Gossip** [BBG20]. **Goursat** [SCF<sup>+</sup>21]. **Gradient** [AMFF19, ACQ23, CMR<sup>+</sup>21, GTM<sup>+</sup>24, HLRJ22, LLRS23, MRS20, MOPS20, PB24, SM20]. **Gradient-Based** [MRS20].

**Gradients** [KH20, PB24]. **Granger** [TLFS21]. **Graph** [ABARS20, ANY19, JB22, KSAY24, LMR<sup>+</sup>20, LLM22, MC23, PTG<sup>+</sup>23, Tri19, TM20, VGWS19]. **Graph-Based** [LMR<sup>+</sup>20, MC23, Tri19]. **Graphical** [ZZST21]. **Graphs** [BSV21, BFM<sup>+</sup>21, CDS23, Ker23, Rii23]. **Greed** [HM21]. **Grids** [MD19]. **Gromov** [HGL24]. **Group** [LL24a, SV23]. **Group-Invariant** [SV23]. **Groups** [HHvT22]. **Guarantee** [BDS21]. **Guarantees** [ABN21, HMZ22, ZZS23].

**Hamilton** [MFM22]. **Hard** [ABA22]. **Hausdorff** [ANY19]. **Hawkes** [YLB<sup>+</sup>19]. **Hessian** [ACU23]. **Hessian-Schatten** [ACU23]. **Heterogeneous** [CW20, Lee21]. **Heteroscedastic** [HYFB23]. **Heteroskedastic** [LCK21]. **Hidden** [SBCG<sup>+</sup>19]. **Hierarchical** [ABC19]. **High** [Atc21, Bac24, FP23, HYFB23, LMM22, PS21, RBO21]. **High-Dimensional** [Bac24, FP23, HYFB23, LMM22, PS21]. **Higher** [FT20]. **Higher-Order** [FT20]. **Highly** [LMR<sup>+</sup>20]. **Hitting** [BFM<sup>+</sup>21]. **Holistic** [ASE19]. **Homology** [HNP22, MNO20]. **Hypergraph** [Ben19, HZ21]. **Hypergraphs** [AAY24, CEH23, TH23]. **Hyperplane** [BV19, DMS22].

**Identifiability** [AG21, CG19]. **Identification** [EH23, GIMA21, SST20, ZRG23]. **Identifying** [BKSU22]. **Ill** [BNZ21, TTV19]. **Ill-Conditioned** [BNZ21]. **Ill-Posedness** [TTV19]. **Image** [HHK23]. **Images** [HH23]. **Imaging** [HH22]. **Immunization** [TCTER21]. **Impacts** [HN19]. **Implementation** [ADN<sup>+</sup>23]. **Implications** [MWW22]. **Implicit** [FSS21, EGT<sup>+</sup>21, ZK23]. **Implicitly** [FSS22]. **Importance** [ZLRY20]. **Improved** [HM21, dBSLNW23]. **Improvement** [LM20]. **Improving** [BAKS24].

**Inconsistency** [BBP23]. **Independent** [YAY23]. **Indirect** [BH24]. **Induced** [GCPT20]. **Inequality** [BLLR22]. **Inertial** [MOPS20]. **Inference** [HGL24, LC23]. **Infinite** [Cal19]. **Information** [CW20, ERK<sup>+</sup>19]. **Information-Theoretic** [ERK<sup>+</sup>19]. **Informed** [BLG<sup>+</sup>22]. **Inhomogeneous** [HTR<sup>+</sup>23]. **Initialized** [LS23]. **Input** [TMTS23]. **Input-Convex** [TMTS23]. **Insights** [PN22]. **Instance** [KPR<sup>+</sup>21, LLP23]. **Instance-Dependent** [KPR<sup>+</sup>21]. **Instance-Optimal** [LLP23]. **Interface** [BSV21]. **Interpolation** [CLT20, KMMDM24, Li21, RDB20, XCRW22, XSC22]. **Interpretable** [PS21]. **Intrinsic** [FILN20, HS22, ZQW<sup>+</sup>19]. **Introduction** [Kol19]. **Intuition** [DLB24]. **Invariant** [ADN<sup>+</sup>23, HHvT22, SV23]. **Inverse** [HH22, HFL<sup>+</sup>22, JN24]. **ISLET** [ZLRY20]. **Isometric** [HHK23]. **Iterations** [BBG20]. **Iterative** [BNZ21].

**Jacobi** [BBG20, MFM22]. **Joining** [JAA<sup>+</sup>21]. **Joint** [FKZ22]. **Jointly** [DYM<sup>+</sup>22]. **Journal** [Kol19].

**Kac** [WYSO20]. **Kaczmarz** [HM21]. **Kalman** [CSAW22]. **Kernel** [BBP23, FSS21, HS22, LCK21, Li21, SCF<sup>+</sup>21, VMB<sup>+</sup>24]. **Kernelized** [KEB<sup>+</sup>24]. **Kernels** [KMMDM24, MV22]. **Kinds** [PN22]. **Knockoffs** [ARdE21].

**Label** [JB22]. **Labeled** [Cal19]. **Landmarking** [GKD19, GKBD19]. **Langevin** [CMR<sup>+</sup>21, LLRS23]. **Laplacian** [MC23, TM20]. **Laplacians** [MWW22, MM23]. **Large** [KH20]. **Large-Scale** [KH20]. **Lasso** [ABN21, ZZST21, BBH23]. **Latent** [JAA<sup>+</sup>21]. **Layer** [ASE19, BGS23, GRS<sup>+</sup>20, MT24]. **Layer-Parallel** [GRS<sup>+</sup>20]. **Layered** [CP20].

**Learn** [PN22]. **Learning** [ACU23, BK23, BSV21, BH22, Cal19, CDS23, CCM23, CMS20, CG19, DB22, DLB24, DMR21, EGT<sup>+</sup>21, GIMA21, GGWX21, HHK23, JB22, JS21, KPR<sup>+</sup>21, LR19, LL24b, LLRS23, MRS20, MHL<sup>+</sup>24, MC23, NN24, SV23, YAY23, Zha22, ZBLR24, ZQW<sup>+</sup>19]. **Least** [ABC19, BNZ21, LS23]. **Lie** [HHvT22]. **Like** [NRHvBW21]. **Limit** [GCPT20, dBSLNW23]. **Limits** [Tri19]. **Line** [ZN22]. **Linear** [ANY19, ARdE21, Bac24, BM22, DB22, DLB24, DMR21, GB23, JN24, LLP23, LMXZ22, ML19, MNW24, Ver20]. **Linear-Time** [ANY19]. **Linearly** [ZZST21]. **Lipschitz** [Cal19, CP20, MS23, NGBU23, PB24]. **Local** [CDS23, DM22, LM20, MV22, MS23]. **Localization** [YPWR24]. **Location** [ZYWL20]. **Logistic** [DH20]. **Lose** [DLB24]. **Loss** [GB23, Lee21]. **Low** [ARB20, BNZ21, MSK20, SGL<sup>+</sup>20, UT19, ZLRY20, ZN22]. **Low-Rank** [ARB20, MSK20, SGL<sup>+</sup>20, ZLRY20].

**Machines** [JS21]. **Majorization** [HPG<sup>+</sup>22]. **Manifold** [BM20, FILN20, HHK23, HLZ20, LC23, LKA<sup>+</sup>21, LPH<sup>+</sup>23, NN24]. **Manifolds** [DL22, GKD19, KSAY24]. **Mapping** [HHK23]. **Maps** [LR19, NN24, VMB<sup>+</sup>24]. **Markov** [Atc21, BFM<sup>+</sup>21, GCPT20, MV22]. **MARL** [GGWX21]. **Matching** [CMS20]. **Mathematical** [BE20]. **Mathematics** [Kol19]. **Matrices** [BNZ21, UT19]. **Matrix** [AG21, BSV21, EY22, GH22, JCD23, LZK22, LS23, Lee21, OPAB<sup>+</sup>21, Sau22, TTV19, ZRG23, ZN22]. **Matrix-Vector** [BSV21]. **Max** [JC23, KL24]. **Max-Affine** [KL24]. **Maximization** [PHLP19]. **Maximum** [DDD<sup>+</sup>21, TM20]. **MCMC** [AMFF19, KEB<sup>+</sup>24]. **Mean** [GTM<sup>+</sup>24, GGWX21, KSS20, MS24]. **Mean-Field** [GTM<sup>+</sup>24, GGWX21]. **Means** [SRR21]. **Measure** [ABR19, MGHV21, MM23]. **Measurements** [BH24]. **Measures** [HHvT22]. **Measuring** [ACU23, LWL20]. **Median** [MS24]. **Memorizing** [ZQW<sup>+</sup>19]. **Memory** [MT24, SNS21, Ver20]. **Memory-Efficient** [SNS21]. **Method** [BCP22, BSCB22, TH19]. **Methods** [AAY24, BM22, BSV21, CC22, DDD<sup>+</sup>21, DR24, FSS21, GTM<sup>+</sup>24, HS22, HLRJ22, KL24, OPAB<sup>+</sup>21, ZLZ20]. **Metric** [BFM<sup>+</sup>21, MM23, VGWS19]. **Metric-Constrained** [VGWS19]. **Microscopy** [BE24]. **Min** [ABN21, JC23]. **Min-Max** [JC23]. **Minima** [Coo21]. **Minimax** [BM22]. **Minimization** [BGJ20, HPG<sup>+</sup>22]. **Minimum** [DJRW20, Li21]. **Mining** [Sau22]. **Mirror** [TMTS23]. **Missing** [VFMS23]. **Mixing** [Atc21]. **Mixture** [CR22, DHP22, FWDJ23, TLFS21, ZK23]. **Mixtures** [HN19, WT22]. **Model** [CDJN21, DHP22, GB23, HH22, JB22, JCD23]. **Model-Free** [JCD23]. **Modelling** [VFMS23]. **Models** [AMFF19, BM22, BHX20, CR22, FWDJ23, JAA<sup>+</sup>21, LST19, PHLP19, SST20, ZK23]. **Modes** [RSC<sup>+</sup>22]. **Modularity** [PHLP19, WWZM20]. **Moment** [ZK23]. **Moments** [Cho20]. **Mondrian** [OT22]. **Monge** [HGL24]. **Morphometrics** [GKBD19]. **Motzkin** [HM21]. **Moving** [ACQ23]. **MR** [LKA<sup>+</sup>21]. **MR-AN** [LKA<sup>+</sup>21]. **Multi** [ASE19, RBO21, SRR21]. **Multi-armed** [SRR21]. **Multi-Layer** [ASE19]. **Multi-Reference** [RBO21]. **Multiagent** [YAY23]. **Multiclass** [DH20]. **Multicomponent** [CW20]. **Multigraphs** [Cho20]. **Multikernel** [AU21]. **Multilayer** [BSV21, PHLP19, WWZM20]. **Multilinear** [ML19]. **Multimodal** [DYM<sup>+</sup>22, SBCG<sup>+</sup>19]. **Multiple** [ZZST21]. **Multireference** [BE24, PWB<sup>+</sup>19]. **Multitemporal** [CDH<sup>+</sup>21]. **Multivariate** [AC20, YLB<sup>+</sup>19].

**Near** [AC20, BK23]. **Near-Optimal** [AC20]. **Nearest** [XSC22]. **Neighbor** [JAA<sup>+</sup>21, XSC22]. **Neighborhood** [MGHV21]. **Network** [BDK<sup>+</sup>21, CCM23, CP20, RDB20, Ri23, YPWR24, YLB<sup>+</sup>19]. **Networks** [AD21, AAR20, BGS23, BBS24, BFT23, BLG<sup>+</sup>22, BH24, BGJ20, BBG20, BGK22, BGKP19, BRZ22, CFL23, CLM<sup>+</sup>22, Coo21, CDH<sup>+</sup>21, CLT20, CZD<sup>+</sup>20, GNZ23, GRS<sup>+</sup>20, HH23, HLZ22, JC23, LKA<sup>+</sup>21, LLM22, LPH<sup>+</sup>23, LLRS23, MT24, ML19, MD19, NPVB24, NGBU23, NRHvBW21, PHLP19, PN22, PTG<sup>+</sup>23, SV23, TM23, TMS23, TL24, TH19, Ver20, ZLZ20, ZS23]. **Neural** [AD21, AAR20, BFT23, BLG<sup>+</sup>22, BH24, BGJ20, BDK<sup>+</sup>21, BGK22, BGKP19, CFL23, CLM<sup>+</sup>22, Coo21, CLT20, CZD<sup>+</sup>20, GRS<sup>+</sup>20, HH23, HLZ22, LLM22, LLRS23, MT24, NPVB24, NGBU23, NRHvBW21, PN22, PTG<sup>+</sup>23, TM23, Ver20, ZS23]. **NN** [Tri19]. **No** [NN24]. **No-Collision** [NN24]. **Node** [TCTER21]. **Noise** [LCK21, MV22]. **Noiseless** [BSV22]. **Noisy** [EY22, FILN20]. **Nonbacktracking** [CEH23, TCTER21]. **Nonconcave** [JC23]. **Nonconvex** [CMR<sup>+</sup>21, HLRJ22, JC23, LLC22, LLRS23, MOPS20]. **Nonconvex-Nonconcave** [JC23]. **Nonlinear** [LR19, LLM22, OPAB<sup>+</sup>21, Sau22, TH19]. **Nonparametric** [ZK23]. **Nonsmooth** [JC23]. **Nonuniform** [AAY24, CEH23]. **Norm** [Li21]. **Normal** [ZG21]. **Normal-Bundle** [ZG21]. **Normalization** [LCK21]. **Norms** [DM22]. **Note** [HH23]. **Notion** [SGN22]. **NP** [ABA22]. **NP-Hard** [ABA22]. **Numerical** [ADN<sup>+</sup>23, BGJ20].

**Objects** [MM23]. **Oblique** [LPH<sup>+</sup>23]. **Observations** [SST20]. **ODEs** [CLT20]. **Off** [BAKS24, GB23]. **One** [ZN22]. **One-Line** [ZN22]. **Online** [KEB<sup>+</sup>24, YPWR24]. **Operating** [GPWS21]. **Operator** [EY22, MHL<sup>+</sup>24]. **Operators** [CP20, SBCG<sup>+</sup>19]. **Optimal** [AC20, AGL21, ABC19, BGKP19, CCNP23, CC22, FP23, Ker23, KPR<sup>+</sup>21, KTM20, LL24a, LLC22, LLP23, VMB<sup>+</sup>24, ZLRY20, ZYWL20]. **Optimality** [BK23, JC23]. **Optimally** [HYFB23]. **Optimization** [ABN21, BGS23, BNS21, BRZ22, DL22, HLRJ22, HLZ20, KSAY24, LLC22, LST19, MOPS20, SNS21, VGWS19]. **Order** [BRZ22, CR22, FT20, KL24]. **Order-3** [CR22]. **Organisms** [BKSU22]. **Organization** [BKSU22]. **Out-of-Sample** [FADS22]. **Overcome** [CCM23]. **Overcomes** [BGJ20]. **Overcomplete** [CR22]. **Overfitting** [WT22]. **Overlapping** [ZLZ20]. **Overparameterization** [XCRW22]. **Overparameterized** [Coo21, HHV22]. **Overparametrized** [JCD23].

**Pairs** [GH22]. **PARAFAC2** [RSC<sup>+</sup>22]. **Parallel** [GRS<sup>+</sup>20]. **Parameter** [HN19]. **Parameters** [MHW<sup>+</sup>24]. **Part** [KT21]. **Partial** [BGJ20]. **Particle** [BE24]. **Partition** [HET23]. **Partitioning** [HS22]. **Path** [LMM22]. **Paths** [BFT23, YAY23]. **Pattern** [MGHV21, ZQW<sup>+</sup>19]. **PCA** [HYFB23, TTV19]. **PDE** [SCF<sup>+</sup>21]. **Penalty** [ABN21]. **Performance** [BDS21, DMR21, LST19]. **Periphery** [TH23, TH19]. **Persistent** [CW20, HNP22, MNO20, MWW22]. **Perspective** [BBH23, CFL23, MHW<sup>+</sup>24]. **Phase** [BE20, RBO21, TLSV20]. **PIDE** [BGK22]. **Piggyback** [BCP22]. **Piggyback-Style** [BCP22]. **Point** [BCP22, FSS22, SNS21, YPWR24, ZZST21]. **Points** [BM20, SM20]. **Poisson** [MC23]. **Policy** [LLP23]. **Polyhedral** [JN24]. **Polynomial** [BV19, BBG20]. **Pooled** [ERK<sup>+</sup>19]. **Posedness** [TTV19]. **Positive** [FADS22, KT21]. **Positive-Semidefinite** [KT21]. **Positivity** [NPVB24]. **Post**

[ZZS23]. **Post-training** [ZZS23]. **Posterior** [MHW<sup>+</sup>24]. **Potential** [HET23]. **Powering** [ABARS20]. **Practical** [ABN21]. **Practice** [AD21, DDD<sup>+</sup>21]. **Predict** [MHL<sup>+</sup>24]. **Prediction** [YJWS24]. **Predictors** [GB23, MS23]. **Presence** [VFMS23]. **Primal** [CC22]. **Primal-Dual** [CC22]. **Principle** [LMXZ22, TM20]. **Priori** [LLM22]. **Private** [BSV22]. **Pro** [NRHvBW21]. **Probabilistic** [VFMS23]. **Probabilities** [BFM<sup>+</sup>21]. **Probability** [GNZ23]. **Problem** [BE20, EH23, MGHV21]. **Problems** [BCP22, CC22, FSS22, HH22, HFL<sup>+</sup>22, JC23, JN24, LMR<sup>+</sup>20, ZZST21]. **Procedure** [DJRW20]. **Process** [GKD19, GKBD19, MHW<sup>+</sup>24, OT22, VFMS23]. **Processes** [BLLR22, BK23, FSS22, FT20, KSAY24, YLB<sup>+</sup>19]. **Products** [BSV21]. **Programming** [FKZ22, YTF<sup>+</sup>21]. **Programs** [AdE22]. **Project** [DR24]. **Projection** [NRHvBW21]. **Projections** [Bac24, HFL<sup>+</sup>22]. **Propagation** [JB22, WWZM20]. **Properties** [GCPT20, JS21, MWW22]. **Provable** [BLG<sup>+</sup>22, ZZS23, ZN22]. **Provably** [AG21, LS19]. **Proximal** [LST19, MOPS20, ZZST21]. **Pruning** [AAR20, BLG<sup>+</sup>22, CFLL23]. **Pseudoinverse** [LPJ<sup>+</sup>24].

**Q** [BK23, GGWX21]. **Q-Learning** [GGWX21]. **Quadratic** [BGS23]. **Quadratic-Time** [BGS23]. **Quantitative** [CLM<sup>+</sup>22]. **Quantization** [ZZS23].

**Random** [Bac24, BV19, BM20, Cho20, DMS22, Ker23, LPH<sup>+</sup>23, MM23, TL24]. **Randomized** [DR24, HMZ22, LWL20, MSK20]. **Randomly** [LS23]. **Rank** [ARB20, BNZ21, HLZ22, LZK22, MSK20, SGL<sup>+</sup>20, UT19, ZLRY20, ZN22]. **Rankability** [ACL19a, ACL19b]. **Rates** [MHW<sup>+</sup>24, ZBLR24, dBSLNW23]. **Real** [BBS24]. **Real-World** [BBS24]. **Receiver** [GPWS21]. **Recommendations** [ABR19]. **Reconstruction** [FILN20, JAA<sup>+</sup>21, LR19, YLB<sup>+</sup>19]. **Recovering** [CS19, SBCG<sup>+</sup>19]. **Recovery** [ABN21, BNZ21, ZN22]. **Rectified** [Ver20]. **Recursive** [GCPT20, GH21]. **Reduction** [BLLR22, FADS22, HHV22, ZBLR24]. **Reference** [RBO21]. **Registration** [VFMS23]. **Regression** [ARB20, AU21, Bac24, BBP23, DB22, DLB24, DH20, FSS22, KL24, LMR<sup>+</sup>20, LWL20, MNW24, ZLRY20]. **Regressions** [HHV22]. **Regressors** [TM20]. **Regularity** [HH23]. **Regularization** [CFLL23, FSS21, HHV22, JCD23, LMR<sup>+</sup>20, WT22, ZQW<sup>+</sup>19]. **Regularize** [FSS22]. **Regularized** [KTM20, LKA<sup>+</sup>21, ZZST21]. **Reinforcement** [BH22, YAY23, Zha22]. **Relating** [PHLP19]. **Relative** [ANY19]. **Reloaded** [BBH23]. **ReLU** [BGS23, MD19]. **Removal** [TCTER21]. **Rényi** [BDK<sup>+</sup>21]. **Representations** [BDK<sup>+</sup>21]. **Resampling** [HMZ22]. **Residual** [GRS<sup>+</sup>20]. **ResNets** [WYSO20]. **Restriction** [SM20]. **Results** [CLM<sup>+</sup>22]. **Retrieval** [BE20, TLSV20]. **Reuse** [GPWS21]. **Reveals** [LZK22]. **Reversible** [HGL24]. **Reweighted** [MC23]. **Richardson** [Bac21]. **Ridge** [JS21]. **Ridgeless** [BBP23]. **Riemannian** [DL22, FILN20]. **Rigidity** [TTV19]. **Rigorous** [GTM<sup>+</sup>24, KSS20]. **Risk** [BGJ20, SRR21]. **Robust** [DHP22, LCK21, LC23, MS24, MNW24, TTV19]. **Robustness** [ABARS20, BAKS24, MS23, NPVB24]. **Role** [MGHV21]. **Root** [MNW24]. **Rotational** [FKZ22]. **Rough** [BFT23]. **Rules** [EH23].

**Saddle** [BCP22, HLZ20, SM20]. **Saddle-Point** [BCP22]. **Safe** [EH23]. **Sample** [BE24, FADS22, HHvT22, PWB<sup>+</sup>19, RBO21, SRR21]. **Sampler** [HGL24]. **Sampling** [AC20, ABC19, BSV22, FSS21, HM21, MV22, MC23, SNS21, Zha22].



**Satisficing** [YAY23]. **Scalable** [AAY24, YTF<sup>+</sup>21]. **Scale** [KH20]. **Scaling** [LC23]. **Scattering** [PTG<sup>+</sup>23]. **Schatten** [ACU23]. **Scheme** [BTd22]. **Schemes** [ACU23, LR19]. **Scholes** [BGJ20]. **Science** [Bac21, Kol19]. **Scientific** [LKA<sup>+</sup>21]. **SCOTT** [ZYWL20]. **Selection** [ADN<sup>+</sup>23, DJRW20]. **Semi** [BSV21, FADS22]. **Semi-definite** [FADS22]. **Semi-supervised** [BSV21]. **Semidefinite** [FKZ22, KT21, YTF<sup>+</sup>21]. **Semiparametric** [FSS22]. **Sensing** [BBH23, LM20, LS23, ML19]. **Sensitivity** [BLG<sup>+</sup>22]. **Sensitivity-Informed** [BLG<sup>+</sup>22]. **Separability** [DH20]. **Sequences** [Cho20]. **Sequential** [ABC19, BLLR22]. **Seriation** [AGL21, CCNP23]. **Series** [TLFS21]. **Sets** [HLZ20]. **Setting** [LWL20]. **Shape** [VFMS23, ZYWL20]. **Shape-Location** [ZYWL20]. **Sharp** [DR24, DMS22, ERK<sup>+</sup>19]. **Shifting** [EY22]. **Short** [KZLW20]. **Short-and-Sparse** [KZLW20]. **SIAM** [Kol19]. **Signals** [Lee21]. **Signature** [SCF<sup>+</sup>21]. **Similarity** [MGHV21]. **SIMODS** [Kol19]. **Simple** [CCNP23]. **Simplex** [AG21]. **Simplex-Structured** [AG21]. **Simplicial** [Rii23]. **Simulation** [HGL24]. **Simulation-Based** [HGL24]. **Single** [BE24]. **Single-Particle** [BE24]. **Singular** [DR24]. **Singularity** [HN19]. **Size** [GB23, SM20]. **Sketch** [DR24]. **Sketch-and-Project** [DR24]. **Sketched** [LPJ<sup>+</sup>24]. **Sketching** [ZLRY20]. **Slope** [MNW24, EH23]. **Smooth** [DYM<sup>+</sup>22, MT24, VMB<sup>+</sup>24]. **Smoothing** [BAKS24]. **SNE** [LS19]. **Soft** [ABN21]. **Soft-Min** [ABN21]. **Solution** [BNS21, SCF<sup>+</sup>21]. **Solutions** [BCP22, EH23]. **Some** [GCPT20]. **SoS** [VMB<sup>+</sup>24]. **Space** [AMFF19]. **Spaces** [ABC19, CLLD22]. **Sparse** [ASE19, ARB20, ABN21, AdE22, BE24, GIMA21, KZLW20, MNW24, MD19, MS23, Sau22, TLSV20, ZRG23]. **Sparsely** [BGKP19]. **Sparsity** [AG21, AU21]. **Sparsity-Based** [AG21]. **Spatial** [HNP22]. **Spatiotemporal** [HNP22, YLB<sup>+</sup>19]. **Spectral** [ABARS20, Atc21, BBS24, BDS21, CEH23, DYM<sup>+</sup>22, JAA<sup>+</sup>21, TH19, WTD<sup>+</sup>21, ZLZ20]. **Speedy** [BH22]. **Spheres** [LST19]. **Spline** [NGBU23, PN22]. **Splines** [FP23]. **Splitting** [MHL<sup>+</sup>24]. **Square** [MNW24]. **Square-Root** [MNW24]. **Squares** [ABC19, BNZ21, LS23]. **Stability** [BFT23]. **Standard** [BCP22]. **State** [AMFF19, CDH<sup>+</sup>21]. **Statistical** [BM22, HMZ22, KTM20, MM23]. **Stein** [KEB<sup>+</sup>24]. **Step** [SM20]. **Step-Size** [SM20]. **Steps** [BSCB22]. **Stochastic** [AMFF19, BNS21, CMR<sup>+</sup>21, DH20, FT20, GTM<sup>+</sup>24, GCPT20, GH21, HLRJ22, KH20, LCK21, LC23, LLRS23, OT22, PHLP19, SST20, YAY23]. **Stop** [ZQW<sup>+</sup>19]. **Strategies** [AC20]. **Streaming** [SGL<sup>+</sup>20]. **Streams** [CMR<sup>+</sup>21]. **Strict** [AGL21, CCNP23, HLZ20, SM20]. **Stride** [BSCB22]. **Structural** [CDS23, CZD<sup>+</sup>20, TL24]. **Structure** [WWZM20]. **Structured** [AG21, CFLL23, KMDM24, SNS21]. **Structures** [CP20, HN19]. **Studies** [DLB24, HNP22]. **Style** [BCP22]. **Subspace** [CZD<sup>+</sup>20, LL24b]. **Sum** [DM22, LLC22]. **Sum-of-Norms** [DM22]. **Supervised** [SV23, BSV21]. **Support** [WT22]. **SVMs** [KMDM24]. **Symmetric** [CLLD22, LL24a]. **Symmetry** [KZLW20]. **Synchronization** [FKZ22]. **Synthesis** [DDD<sup>+</sup>21]. **Synthetic** [BSV22]. **System** [ABR19]. **System-Wide** [ABR19]. **Systems** [EY22]. **Tail** [DJRW20]. **Taking** [BSCB22]. **Taming** [LLRS23]. **Target** [CCM23]. **Targeted** [TCTER21]. **Tasks** [DB22]. **Temporal** [DMR21, KPR<sup>+</sup>21]. **Temporal-Difference**

- [DMR21]. **Tensor** [ARB20, AAY24, CR22, HZ21, HLZ22, KH20, MSK20, OPAB<sup>+</sup>21, SV23, SGL<sup>+</sup>20, ZLRY20, ZK23]. **Tensors** [BV19]. **Tessellations** [DMS22]. **Test** [GB23, GPWS21]. **Testing** [LL24a]. **Texture** [DDD<sup>+</sup>21]. **Theorem** [dBSLNW23]. **Theorems** [DH20]. **Theoretic** [ERK<sup>+</sup>19]. **Theory** [AD21, BE20, DDD<sup>+</sup>21, GTM<sup>+</sup>24, KTM20, KSS20, PN22]. **Thinning** [KEB<sup>+</sup>24]. **Thompson** [Zha22]. **Three** [Ben19, GKBD19, MHL<sup>+</sup>24, VFMS23]. **Three-Dimensional** [GKBD19, VFMS23]. **Three-Operator** [MHL<sup>+</sup>24]. **Threshold** [BV19, DJRW20, Ver20]. **Time** [ANY19, ARdE21, BGS23, BSCB22, DMR21, HTR<sup>+</sup>23, TLFS21]. **Time-Inhomogeneous** [HTR<sup>+</sup>23]. **Times** [Atc21]. **Topology** [HTR<sup>+</sup>23]. **Total** [ACU23]. **Tracking** [ZYWL20]. **Trade** [BAKS24, GB23]. **Trade-Off** [BAKS24, GB23]. **Train** [NRHvBW21, SV23]. **Training** [BGS23, BSCB22, FWDJ23, GB23, GRS<sup>+</sup>20, HLZ22, NRHvBW21, ZZS23]. **Transfer** [CMS20, DB22, DLB24]. **Transforms** [PTG<sup>+</sup>23]. **Transition** [RBO21]. **Transport** [CC22, CDJN21, FP23, Ker23, KTM20, VMB<sup>+</sup>24, ZYWL20]. **Transportation** [NN24, dBSLNW23]. **Tree** [ACQ23, JAA<sup>+</sup>21]. **Trees** [CS19]. **Triad** [CCM23]. **Triadic** [BBS24]. **Trigonometric** [XCRW22]. **Trimmed** [ABN21]. **Truncation** [CCM23]. **Tseng** [BSCB22]. **Tucker** [ARB20, MSK20, SGL<sup>+</sup>20]. **Tukey** [MFM22]. **Tuning** [MNW24]. **Tuning-Free** [MNW24]. **TUSLA** [LLRS23]. **Tverberg** [DH20]. **Two** [BGS23, BHX20, BSCB22, MT24]. **Two-Layer** [BGS23].
- Uncertainty** [MC23]. **Understanding** [PTG<sup>+</sup>23]. **Uniform** [Cho20, TM20]. **Unifying** [JB22]. **Unit** [Ver20]. **Universal** [CLT20, CZD<sup>+</sup>20, GB23]. **Unknown** [BM22]. **Unlabeled** [Cal19]. **Using** [ARB20, ACU23, BSV21, BBG20, GNZ23, GPWS21, GH21, HNP22, MD19, NGBU23, ZLZ20].
- Value** [DR24]. **Valued** [CLM<sup>+</sup>22]. **Vanishing** [MV22]. **Var** [NRHvBW21]. **Variable** [NRHvBW21]. **Variance** [SGN22, ZBLR24]. **Variation** [ACU23]. **Variational** [BBH23, BDK<sup>+</sup>21, DL22, HH22, PN22, Tri19]. **Varying** [LL24b]. **Vector** [BTd22, BSV21]. **Vectors** [WT22]. **Versions** [DM22]. **Via** [MM23, BAKS24, BFT23, BKSU22, CFLL23, CDS23, DR24, FKZ22, HLZ22, KL24, KSAY24, LLRS23, MNW24, SNS21, WYSO20, ZLRY20].
- Walks** [TL24]. **Wasserstein** [ABA22, CC22, FP23, GNZ23, GH21, HHK23, HFL<sup>+</sup>22, HMZ22]. **Wasserstein-Based** [HFL<sup>+</sup>22]. **Wassmap** [HHK23]. **Way** [ASE19]. **Weak** [BHX20]. **Weighted** [ABC19, HYFB23, Lee21, Li21, LLM22, XCRW22]. **Weights** [TL24]. **Wide** [ABR19]. **Win** [DLB24]. **Without** [HET23]. **Works** [HM21]. **World** [BBS24]. **Wrapped** [CLLD22].
- X** [TCTER21]. **X-Centrality** [TCTER21].
- Zeros** [EH23, Sau22].

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