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$(2+1)$ [MO25]. 0 [Kar25b]. 1 [AKKM25, Kar25b]. 2 [LMZ25]. $AXB = C$ [NZ25]. B [GP25]. c [XQW25]. C^0 [GS25]. C^1 [GP25]. $H(\text{curl}^2)$ [WLZZ25]. H_∞ [SC25]. k [DJ25, GJ25, JFP25]. $k/n(G)$ [YSP25]. $L1$ [CG25]. L^2 [ZC25a, Xie25]. $l_{1/2}$ [CLJX25]. L_2 [LSPV25]. L_∞ [ZZJJ25]. **R** [CdlHG25]. $\mathcal{M}$ [NDSZ25]. n [HY25b, Ran25]. $n\colon G$ [DJ25]. R [XNL25]. R^n [BS25a, CA25b]. R_0 [SWD25]. ρ [TST25]. $\tilde{W}_2(m, m-1)$ [SHK25]. φ [TST25]. w [AAN25].

-conforming [WLZZ25]. **-dimensional** [MO25, Ran25]. **-means** [XQW25]. **-norm** [Xie25]. **-out-of-** [DJ25]. **-out-of-n** [GJ25]. **-person** [HY25b]. **-record** [JFP25]. **-splines** [GP25]. **-tensors** [NDSZ25]. **-type** [SWD25].

1 [Ano25a, Ano25b, Ano25c]. **15** [Ano25d, Ano25e, Ano25f].

2025 [Ano25g, Ano25q, Ano25a, Ano25d, Ano25r, Ano25b, Ano25e, Ano25f, Ano25c].

421 [MR25].

absolute [LC25a]. **accelerated** [HHF25, ZLZ25]. **accuracy** [BAPPF25, MCL25]. **accurate** [YWW25]. **actuarial** [HY25a]. **ADAM** [SWWY25]. **ADAM-type** [SWWY25]. **Adaptive** [MWTW25, JCCZ25, JWS+25, OAO25, TGDC25, ZMG25, ZLC+25]. **adaptivity** [BS25b, KS25b, YTT25]. **additive** [Ran25].

advection [FBM25, XGYH25]. **adversarial** [AGGM25]. **affinely** [Sah25]. **against** [SBAM25]. **agent** [LSCZ25]. **algorithm** [AK25a, CLJX25, CLY25b, CLQY25, CXLP25, FA25, GLTW25, HBG25, IRS25, JJM25, LZFP25, LC25a, LJY25, LY25, LR25, LZZ+25b, OAO25, SQLZ25, SWWY25, SWD25, TZ25b, WKQ25, XNL25, XLLJ25, ZLZ25, ZLC+25, ZHLD25]. **algorithms** [FBZ25, HHF25, JWS+25, LSCZ25, MG25, NZ25, SSLP25, ZS25]. **Allen** [HKH+25, XC25, ZSYZ25]. **Almost** [CCLH25, BS25c]. **Alpha** [PW25]. **Alpha-robust** [PW25]. **alternating** [XNL25, NDSZ25]. **American** [ZZ25]. **Analysis** [DLR25, JFP25, LCZ25, WZTL25, ADY25, BFQ25, CG25, FADA25, Kar25a, LW25, LTZ25, LP25b, LGDN25, LMZ25, LR25, SX25, SDS25, SGRS25, SBAM25, TC25, WCW25, YSP25, ZLS25, ZSYZ25, ZC25b, ZFCM25]. **analytic** [SH25]. **analyzing** [HLL25]. **Anderson** [NDSZ25]. **anisotropic** [WX25]. **annular** [YWW25]. **Appl** [MR25]. **applicability** [LP25b]. **Application** [CA25b, FKVZ25, BRPP25, CLY25b, CLQY25, CXLP25, FBM25, GP25, IRS25, JN25, LC25a, LY25, MZL25, TSM25, TA25, XQW25, Yao25]. **applications** [HY25a, SWD25, ZHLD25]. **applied** [MR23, MR25, XGYH25]. **approach** [ADJL25, GBB25, HBG25, SDS25, SGRS25]. **Approaches** [ZFCM25]. **Approximate** [KSC25, ZNL25]. **approximates** [Xie25]. **approximating** [SHK25]. **Approximation** [KCM25, AKKM25, CA25a, CdlHG25, HJ25, JN25, Öza25, SZD25, TC25, XNL25, XLLJ25, YC25]. **approximations** [GHZ25]. **April** [Ano25g]. **arbitrary** [AM25, LC25b, PY25]. **argument** [FA25, Pho25]. **argument-based** [FA25]. **arising** [COPPS25]. **arrangement** [MT25]. **arrival** [BC25]. **Asian** [AAN25]. **assets** [LG25, ZFCM25]. **assimilation** [DLR25, WJ25]. **associated** [BCD25]. **asymptotic** [ADJL25, FLS25, ZC25b]. **augmented** [HHF25, ZNL25]. **authentic** [LGDN25]. **autoregressive** [HY25a]. **average** [XLLJ25].

B [LWL+25, RK25]. **B-spline** [LWL+25, RK25]. **Backward** [KKV25, LTZ25, CP25, IRS25, YY25]. **Banach** [OAO25]. **bank** [ZFCM25]. **barrier** [HKY25]. **based** [ADJL25, AS25, CKC25, CLY25a, CLY25b, FA25, FWL25, GLTW25, JFP25, JJM25, JWS+25, Kar25a, KS25c, LP25a, LZFP25, LWL+25, LRG25, LG25, LJY25, LWZZ25, MS25, MWTW25, MHO25, MG25, OAO25, RK25, WCS25, XJQ25, XNL25, You25, YPLH25, ZLC+25]. **Basis** [GCN25, KCM25, MHO25, WYZ25]. **batch** [SSLP25]. **Bayesian** [SDS25, YXM25]. **BDF2** [YTT25]. **behavior** [KKV25]. **behavioral** [COPPS25]. **Benjamin** [KM25]. **Bessel** [LC25b, ZC25b]. **between** [Xie25]. **Bézier** [AM25]. **Bézier-Smart** [AM25]. **bi** [LG25]. **bi-objective** [LG25]. **bicriteria** [SSLP25]. **bidiagonalization** [LTZ25]. **bifurcation** [Kar25b, MO25]. **biharmonic** [BCD25]. **bilinear** [SZD25, XJQ25]. **BINO** [YXM25]. **bioconvective** [UX25]. **biological** [FBM25]. **Biot** [KL25]. **biperiodic** [DdF25]. **biquaternion** [CKC25]. **bivariate** [TA25]. **Block** [GH25, AK25b, BKST25, BS25c, CLJX25, KSC25, NZ25, SHL+25, TGDC25]. **block-by-block** [KSC25]. **blurred** [JJM25]. **Board** [Ano25h, Ano25i, Ano25j, Ano25k, Ano25l, Ano25m, Ano25n, Ano25o, Ano25p]. **Bona** [KM25]. **book** [DG25]. **bordered** [BS25c]. **bound** [SWD25]. **boundary** [BCD25, LFH25, LP25b, XC25]. **bounded** [FKVZ25, HY25b]. **Bounds** [CP25, BRPP25, SH25]. **Bregman** [LY25]. **Brinkman** [JLC25, LZZ25a]. **Brownian** [AAN25, ZZX25]. **Broyden** [TZ25b]. **Broyden-like** [TZ25b]. **bubble** [GS25]. **bubble-enriched** [GS25].

Cahn [HKH+25, XC25, ZSYZ25]. **calculus** [HuR25, Öza25, Sak25]. **Can** [NT25]. **candidate** [LZFP25]. **capabilities** [BDvdHV25]. **cardiac** [RNC25]. **cardinality** [WKQ25]. **Carlo** [SDS25]. **case** [Hag25]. **Cauchy** [LF25]. **causality** [BDvdHV25]. **causality-preservation** [BDvdHV25]. **chain** [HBG25]. **chance** [CLY25a]. **chaos** [Kar25b, MO25]. **chaotic** [ADY25]. **Charged** [Yin25]. **Charged-Particle** [Yin25]. **Chebyshev** [Moi25, PM25b]. **chevron** [KKV25]. **class** [Buo25, TSM25, WX25, WCS25, XHLH25]. **classical** [JN25]. **clustering** [XQW25]. **coefficients** [HHF25, YY25]. **cold** [MHWY25]. **collected** [DJ25]. **Collocation** [COPPS25, AD25, GHD25, HRST25, NKN25]. **Color** [CKC25]. **combined** [Che25, HY25a]. **common** [CXLP25]. **communication** [LSCZ25]. **commutative** [Hag25, YY25]. **compact** [ZZJJ25]. **Comparison** [Sak25, HRO+25]. **competing** [WZTL25, YSP25]. **complementarity** [CLY25b, FWL25, HV25, MG25, WCS25, XLLJ25]. **complementary** [WZTL25]. **completion** [AS25]. **complex** [FKVZ25, FA25, LCZ25, MG25]. **complex-valued** [MG25]. **Complexity** [ZS25]. **components** [DJ25, GJ25]. **composite** [LGDN25]. **compressed** [CLJX25]. **compression** [SHL+25]. **compressive** [ZHLD25]. **Comput** [MR25]. **computation** [CLZ25, GR25, Pho25, Sak25]. **Computational** [UX25, AD25]. **computations** [ZWSC25]. **computed** [LSPV25]. **Computing** [JVW25, SHL+25, Yao25]. **condition** [XC25]. **conditions** [LP25b, Ran25, Ton25, Xie25, ZHLD25]. **conduction** [OTD+25]. **conductivity** [Sai25]. **cone** [SWD25]. **conformable** [GLTW25, MO25]. **conforming** [WLZZ25]. **conjugate** [AMRS25, JWS+25, ZHLD25]. **connected** [CS25]. **connectivity** [ZLY25]. **conservation** [ADJL25, FC25]. **conservative** [Yin25]. **conserved** [ZC25a]. **conserving** [ZMG25]. **consistency** [MCL25]. **consistent** [TGDC25]. **constant** [TA25]. **constants** [LZZ25a]. **constrained** [CLJX25, CLY25a, GS25, HHF25, JJM25, LS25, WKQ25]. **constraint** [GHZ25, LYC25, ZS25]. **constraints** [LG25, RNC25, ZLY25, ZFCM25]. **Construction** [YC25]. **consumption** [CNQY25]. **contact** [LYC25, XHLH25, ZBN+25]. **continuation** [LR25]. **continuity** [Hun25, JJM25]. **continuous** [DLR25, MRRÁY25, YY25]. **continuously** [SQLZ25]. **contractive** [KIF+25]. **contractivity** [YY25]. **contrast** [XGYH25]. **Control** [PSF25, GHZ25, GLTW25, GS25, Kar25b, LS25, MZL25, RNC25, SC25, SKM25, SWWY25, TSM25, XDZ25, ZFCM25]. **controllability** [Sak25, SX25]. **controlled** [KIF+25]. **controller** [JCCZ25]. **Convergence** [IRS25, LP25b, LMZ25, LR25, Yin25, Hag25, HWZ25, LGDN25, ZHF25]. **Convergent** [FLS25, SRMGMD25, ZZJJ25]. **converging** [KS25a]. **Convex** [AGGM25, HHF25, YPLH25]. **convolution** [XLZ25]. **copositive** [HLS25]. **core** [BPT25, MF25]. **correction** [MRRÁY25]. **corrector** [AK25a]. **COS** [ACO25]. **cost** [AAN25, FF25]. **costs** [PW25]. **Coupled** [LFH25, CG25, JCCZ25, ZMG25]. **Cournot** [Kar25b]. **covering** [Hag25]. **CP** [XNL25]. **CP-decomposition** [XNL25]. **Crank** [LCZ25]. **credit** [HBG25]. **cross** [XJQ25]. **Crouzeix** [LZZ25a]. **crystal** [LLZH25, WX25]. **Cubic** [LWL+25, GP25]. **cumulant** [CGR25]. **cumulative** [KZG25]. **curl** [WLZZ25]. **curves** [FKVZ25, PSF25]. **CVaR** [XLLJ25]. **cyclic** [BS25c, BRPP25].

D [AKKM25, LMZ25]. **damping** [ZHF25]. **dangling** [SHL+25]. **Darcy** [HJ25, HYZ+25, JLC25, You25].

Darcy-transport [JLC25]. **Data** [PDT+25, CGR25, DJ25, DLR25, LW25, SQLZ25, WZTL25, WKQ25, WJ25, XDZ25]. **Data-driven** [PDT+25]. **database** [HRO+25]. **DEA** [LG25]. **deblurring** [FF25]. **decentralized** [ZLZ25]. **decision** [CNQY25, Kar25a]. **decision-making** [CNQY25]. **decomposition** [CKC25, CWX25, CS25, JS25, KL25, LP25b, LC25b, SGRS25, XNL25]. **Decoupled** [LWZZ25]. **Deep** [MR25, SSM25, ZLS25, MR23]. **degradation** [YSP25]. **degree** [AM25]. **DEIM** [CWX25]. **delay** [GHD25, HRST25, KPTS25, LZZ+25b, PDT+25, XDZ25, Yu25]. **delayed** [FG25]. **delays** [JCCZ25, PDT+25, SC25]. **delegation** [Kar25b]. **dendritic** [WX25]. **dengue** [LP25a]. **denoising** [FF25, ZLC+25]. **density** [HYZ+25]. **dependence** [BFQ25]. **dependent** [CNQY25, OTD+25, WZTL25, YSP25]. **derivative** [Hag25, LP25a, LJY25]. **derivative-free** [Hag25, LJY25]. **derivatives** [GLTW25]. **detection** [CGR25]. **Detective** [PM25a]. **Determination** [QWLF25]. **determined** [TST25]. **determining** [KKV25]. **Deterministic** [GR25, TGDC25]. **Developing** [HLL25]. **DFIG** [SC25]. **diagnostics** [ZLC+25]. **diagonal** [BS25c, DdF25]. **Difference** [AGGM25, CTZ25, FG25, FADA25, FC25, HKH+25, JS25, MWTW25, ZZJJ25]. **differences** [GNUV25]. **differencing** [HFSK25]. **differentiable** [SQLZ25]. **differential** [AFA25, AD25, FADA25, GNUV25, GBB25, HWZ25, HY25b, KSC25, LLG25, PDT+25, Ran25, RM25, SX25, SKM25, XLZ25, Yu25, ZZX25]. **diffusion** [ACO25, FF25, FGGdO25, FBM25, PY25, XGYH25]. **Dilated** [XLZ25]. **Dimension** [XJQ25]. **dimensional** [Che25, KKHK25, MO25, NKN25, Ran25, ZMG25]. **dimensions** [ADJL25]. **discontinuous** [Che25, JLC25, LW25, PM25a]. **discovery** [PDT+25]. **Discrete** [GJ25, ADJL25, ACO25, CCLH25, FG25, GH25, Kar25b, LZFP25, LZZ+25b, MHWY25, MWTW25, PDT+25, Sak25, SC25, Vas25]. **discrete-time** [CCLH25, FG25, MHWY25]. **discretization** [Buo25, HYZ+25, KL25, SWWY25, SSM25, ZLS25]. **discretization-invariant** [ZLS25]. **Dispersion** [SBAM25]. **displacement** [BFQ25, FLS25]. **distance** [Xie25]. **Distributed** [LSCZ25, HRST25]. **distributed-order** [HRST25]. **distribution** [CP25, JFP25, KZG25, NN25, YWY25]. **distributions** [ACO25, TA25, WZTL25]. **Dolichobrachistochrone** [GBB25]. **Domain** [KS25a, KL25, LP25b]. **domains** [YWW25, ZMG25]. **Double** [CXLP25]. **driven** [CTZ25, PDT+25, Ran25, ZZX25]. **dual** [AK25a, CQ25, LR25, ZHF25]. **duopoly** [Kar25b]. **Dynamic** [CY25, GBB25, LP25a, XC25]. **dynamical** [Buo25, ZHF25]. **Dynamics** [FG25, Yin25, ADY25, MO25].

each [GJ25]. **Editorial** [Ano25h, Ano25i, Ano25j, Ano25k, Ano25l, Ano25m, Ano25n, Ano25o, Ano25p]. **efficiency** [LG25, LZZ25a]. **Efficient** [CM25, FBZ25, ZNL25, AK25a, CLJX25, CLY25a, GHZ25, GHD25, LC25a, SGRS25, SWWY25, WX25, WKQ25, YWW25, ZLC+25, ZHLD25]. **efficiently** [SHL+25]. **EIEQ** [ZSYZ25]. **eigenpairs** [Yao25]. **eigensolutions** [ABB25]. **eigenvalue** [HLS25, Sah25, TC25]. **eigenvalues** [DdF25, QWLF25, Sah25]. **elastic** [LWL+25, LGDN25, ZBN+25]. **elastodynamic** [FLS25]. **Electrical** [LW25]. **electromagnetic** [LFH25]. **electrophysiology** [RNC25]. **Element** [Vas25, XGYH25, BS25a, CA25b, Che25, CH25, CG25, CKL+25, GHZ25, HWZ25,

LCZ25, LYC25, LZZ25a, LMZ25, LSPV25, OTD+25, Sak25, TZ25a, WLZZ25, WCW25, XGX25, ZBN+25]. **element-free** [LCZ25]. **elements** [NT25, SWWY25]. **ellipse** [SH25]. **elliptic** [ABB25, BS25a, GHZ25, GS25, SWWY25, YWW25, ZH25]. **embedding** [WJ25]. **Emden** [SGRS25]. **empirical** [GH25]. **Energy** [ZMG25, LYC25, LLZH25, LWZZ25, MCL25, XC25, ZS25, ZSYZ25, ZC25a]. **energy-** [ZC25a]. **Energy-conserving** [ZMG25]. **energy-optimized** [MCL25]. **energy-stable** [LLZH25]. **enhanced** [AK25b, FGGdO25]. **Enhancing** [CA25a]. **enriched** [GS25]. **entropy** [LG25]. **environment** [AAN25]. **environments** [Hun25]. **epidemic** [KS25a]. **equation** [AFA25, AKKM25, BKST25, BCD25, COPPS25, CKL+25, CTZ25, HKH+25, JS25, KKHK25, KIF+25, KM25, LCZ25, LLZH25, LLXB25, LF25, NZ25, RK25, SSM25, XC25, XGX25, Yao25, ZSYZ25, ZZJJ25, ZZ25]. **equations** [AD25, BPT25, CH25, CG25, FADA25, FBM25, GNUV25, GHD25, HWZ25, HRST25, JJM25, KKV25, KSC25, LFH25, LC25a, LZZ25a, LLG25, LJY25, MS25, MO25, PDT+25, PY25, PM25b, QWZ25, Ran25, RM25, SX25, SQLZ25, SKM25, SGRS25, SBAM25, TZ25a, TZ25b, XLZ25, YTT25, YWW25, Yu25, ZZX25]. **equilibria** [HY25b]. **equilibrium** [CXLP25, PY25]. **equilibrium-diffusion** [PY25]. **Erratum** [MR25]. **Error** [GS25, SH25, WCW25, ZSYZ25, AMRS25, CA25a, CA25b, CG25, LTZ25, MWTW25, MR23, MR25, SWD25, TC25, Xie25, YTT25, ZC25a]. **estimates** [AMRS25, CA25a, CA25b, GS25, MWTW25, MR23, MR25, SWD25, YTT25, ZC25a]. **Estimating** [BC25]. **estimation** [FBM25, LLG25]. **estimators** [NN25]. **Euler** [Ran25, SKM25]. **Eulerian** [ADJL25, PY25]. **evaluation** [LC25b]. **even** [DLR25]. **event** [JCCZ25]. **event-triggered** [JCCZ25]. **evolutionary** [XHLH25]. **exactly** [HHF25]. **example** [OTD+25, ZFCM25]. **exchange** [Zho25]. **exciting** [ACO25]. **existence** [TSM25]. **expansion** [CA25b]. **expansions** [FLS25]. **explicit** [Hag25, KS25a, Ran25, ZSYZ25, ZZX25]. **explicit-invariant** [ZSYZ25]. **exponent** [MS25]. **exponential** [CCLH25, CM25, HFSK25, JCCZ25, KS25c, NPA+25]. **exponential-type** [KS25c]. **extending** [CLQY25]. **extension** [ACO25, CQ25, KS25b, MF25, SRMGMD25, ZLS25]. **exterior** [QWLF25, Sak25]. **extragradient** [CXLP25, OAO25]. **extrapolation** [LC25b].

facility [LZFP25, MHWY25]. **factor** [LLG25]. **factorization** [ZNL25]. **factors** [LP25a]. **Fading** [BCD25]. **failure** [DJ25, GJ25]. **failures** [SDS25, YSP25]. **family** [WZTL25]. **Fast** [ZHF25, LCZ25]. **FDTD** [HLL25]. **FE** [ZC25a]. **February** [Ano25q]. **feedforward** [YC25]. **Feller** [CdlHG25]. **Fickian** [FGGdO25]. **field** [LLZH25, LWZZ25, MT25, WX25, Yin25]. **Fields** [BAPPF25]. **filled** [SQLZ25]. **finance** [HBG25]. **find** [SSLP25]. **finding** [FA25]. **Finite** [CTZ25, FC25, KPTS25, SZD25, Vas25, XGYH25, BS25a, CA25b, CLZ25, Che25, CH25, CKL+25, FG25, FADA25, GNUV25, GHZ25, HKH+25, HWZ25, LYC25, LMZ25, LSPV25, MWTW25, NT25, PY25, Sak25, SWWY25, TZ25a, XGX25, ZBN+25]. **Finite-frequency** [SZD25]. **finite-part** [CLZ25]. **first** [Buo25, CA25b, XC25]. **first-order** [CA25b, XC25]. **Fisher** [KKHK25]. **fitting** [SQLZ25]. **fixed** [ADY25, CXLP25, LSCZ25, MZL25]. **fixed-time** [MZL25]. **flow** [Che25, CLY25b, GCN25, HYZ+25, UX25, You25]. **fluid** [ADY25]. **Fokker** [RK25]. **footrule** [TST25]. **Forchheimer** [HYZ+25]. **formation** [FBM25]. **formula**

[CA25a, CA25b]. **formulas** [SHK25]. **formulation** [ZZ25]. **Forward** [YXM25, CP25, IRS25]. **four** [CM25]. **fourth** [HKH+25, LMZ25, SGRS25]. **fourth-order** [HKH+25, LMZ25, SGRS25]. **Fowler** [SGRS25]. **FPMPE** [ZWSC25]. **fractal** [KCM25]. **fractional** [ADY25, ABH+25, AAN25, CH25, CG25, GNUV25, GLTW25, HFSK25, HRST25, HuR25, JN25, KPTS25, Kar25b, KSC25, LP25a, Öza25, RK25, RM25, SRMGMD25, SKM25, TZ25a, XDZ25, ZLC+25, ZZX25]. **fractional-order** [GLTW25, XDZ25, ZLC+25]. **fracture** [Che25]. **fractured** [ABH+25]. **fragile** [XDZ25]. **framework** [GR25, Kar25a, KS25b]. **Fréchet** [NN25]. **free** [Hag25, LCZ25, LJY25, SQLZ25, WJ25]. **frequency** [SZD25]. **fully** [MWTW25]. **function** [CGR25, KZG25, MHO25, MPB25, Öza25, Pho25, SQLZ25, ZC25b]. **functional** [COPPS25]. **functionals** [KKV25]. **functions** [CLZ25, FLS25, KS25c, KCM25, LSPV25, LC25b, MRRÁY25, OTD+25, SHK25, SH25, YC25]. **fundamental** [KC25]. **Fuzzy** [KS25c, AAN25, Hun25, SC25].

Galerkin [Che25, JLC25, LCZ25, LW25, LMZ25, PM25a, PM25b, QWZ25, ZMG25]. **game** [GBB25, Kar25b]. **games** [HY25b, Hun25]. **gap** [QWLF25]. **Gauss** [SH25]. **Gaussian** [BAPPF25, Ran25]. **general** [HuR25, MRRÁY25, WCW25, Yu25]. **Generalized** [HFSK25, Vas25, HY25b, Hun25, KM25, LC25a, LYC25, MG25, MO25, NPA+25, PM25a, Ran25, SWD25, WZTL25, XGX25, YWY25, ZZJJ25, ZZ25, XGYH25]. **generating** [CGR25]. **generative** [BDvdHV25]. **Generic** [MHO25]. **genuine** [CQ25]. **Geometric** [AAN25, CLY25a, DJ25]. **Gibson** [BFQ25]. **Ginzburg** [LCZ25]. **Global** [SWD25, FA25, LSCZ25]. **globally** [YY25]. **GMsFEM** [SSM25]. **GMsHDG** [PM25a]. **Goal** [BS25b]. **Goal-oriented** [BS25b]. **golden** [LY25, OAO25]. **Gompertz** [JFP25]. **Gordon** [ZMG25]. **governed** [FBM25]. **grade** [UX25]. **gradient** [AMRS25, CLQY25, GLTW25, JWS+25, ZHLD25]. **gradient-based** [GLTW25]. **Gramians** [XJQ25]. **graph** [SNZ25, Vas25]. **graphs** [BAPPF25, LSCZ25]. **gravitational** [Sai25]. **greedy** [ABB25, LLXB25]. **Gregory** [ZBK25]. **grid** [CH25, GCN25, LRG25, TZ25a, WCW25]. **growth** [WX25].

Hamiltonian [BS25b]. **Hankel** [FBZ25]. **harmonic** [CS25, Sak25]. **Hawkes** [ACO25]. **health** [CNQY25]. **heat** [ADY25, HYZ+25, NKN25, OTD+25]. **Helmholtz** [CTZ25]. **Hemispheroidal** [CS25]. **hemivariational** [XHLH25]. **Hermite** [ZMG25]. **Hermitian** [Pho25, XNL25]. **Hessenberg** [BKST25]. **Heston** [ACO25, HKY25]. **heterogeneous** [ABH+25, DJ25, GCN25, UX25]. **heuristic** [ZS25]. **HH** [BRPP25]. **High** [RK25, SBAM25, BAPPF25, CWX25, WX25, XGYH25]. **high-contrast** [XGYH25]. **High-order** [RK25, SBAM25, WX25]. **Higher** [LGDN25, XNL25]. **Higher-order** [LGDN25]. **Highly** [SGRS25, AKKM25, CLZ25, ZC25b]. **Hilbert** [SHK25]. **history** [BFQ25]. **hodograph** [FKVZ25, PSF25]. **homogeneous** [UX25]. **HOMS** [LGDN25]. **HOMS-PINN** [LGDN25]. **horizontal** [MG25, WCS25]. **hybrid** [Che25, JWS+25, YPLH25, Zho25]. **hybrid-dimensional** [Che25]. **hybridizable** [PM25a]. **hydrodynamics** [PY25]. **hyperbolic** [YWY25]. **hypergeometric** [Pho25]. **hyperplane** [WYZ25].

identification [LZZ+25b]. **identity** [BRPP25]. **IDFPM** [JJM25]. **IDFPM-based** [JJM25]. **image** [CKC25, CXLP25, HRO+25, IRS25, JJM25, ZLC+25]. **image-based** [ZLC+25]. **images** [HRO+25]. **imaging** [MT25]. **IMEX** [YTT25]. **immersed** [ZH25]. **impact** [DG25]. **Impedance** [LW25]. **imperfect** [SDS25]. **implementation** [BPT25]. **implicit** [LS25, WCS25]. **imprecise** [XQW25]. **improve** [HRO+25]. **Improved** [WCS25, HBG25, OAO25]. **Improving** [MCL25]. **impulses** [CCLH25]. **inclusion** [HLS25, IRS25]. **independent** [LZZ25a]. **index** [JFP25]. **indicator** [Kar25a]. **indicator-based** [Kar25a]. **induced** [CWX25]. **induction** [PM25b]. **inequalities** [Buo25, BRPP25, LY25, TSM25, XHLH25]. **inequality** [OAO25]. **Inertial** [HHF25, CXLP25, IRS25, JCCZ25, LJY25, ZHF25]. **inexact** [CLY25b, ZLZ25]. **inexactly** [HHF25]. **infeasible** [AK25a]. **inference** [DJ25, KZG25, SDS25]. **infinite** [DLR25, LC25b]. **Influence** [Sai25]. **information** [BRPP25]. **informed** [LGDN25]. **inhomogeneous** [TC25]. **initial** [Ran25]. **inner** [MHO25]. **Insights** [CNQY25]. **instabilities** [FA25]. **instability** [SBAM25]. **insurance** [TA25]. **integer** [HY25a]. **integer-valued** [HY25a]. **integrable** [MO25]. **Integral** [MPB25, FLS25, GHZ25, GHD25, KIF+25, LFH25, MS25, ZZ25]. **integrals** [CLZ25, LC25b, SHK25, ZC25b]. **integrated** [Kar25a]. **integration** [KS25b, MS25, MRRÁY25, NPA+25]. **integrators** [LWF25, XGYH25]. **integro** [AFA25, AD25, FADA25, RM25, SKM25, Yu25]. **integro-differential** [AFA25, AD25, FADA25, RM25, SKM25, Yu25]. **interest** [Zho25]. **interface** [BS25a, LP25b, ZH25]. **interior** [GS25]. **interpolation** [CA25a, CA25b, GH25, MHO25, OTD+25]. **interpolatory** [CWX25]. **Intrusive** [GCN25]. **Invariant** [QWZ25, ZLS25, ZSYZ25]. **invariants** [LWF25]. **inventory** [CY25]. **Inverse** [Sah25, BCD25, CQ25, FBM25, MHO25, MF25, NKN25, YXM25]. **Inversion** [YXM25]. **inverted** [WZTL25]. **investigate** [FA25]. **investment** [PW25]. **involving** [LC25b]. **IPM** [AK25a]. **irregular** [YWW25]. **Ishikawa** [LSCZ25]. **isogeometric** [LSPV25]. **isotropic** [TC25]. **iteration** [AK25a, WCS25, ZWSC25]. **iterative** [GHZ25, LYC25, MHO25, ZLY25].

J [MR25]. **January** [Ano25a, Ano25d]. **Jensen** [BRPP25]. **jobs** [SSLP25, ZS25]. **Joint** [FBM25, YWY25]. **judgment** [KZG25]. **jump** [ACO25]. **jump-diffusion** [ACO25]. **June** [Ano25r].

Kac [DdF25]. **Kaczmarz** [LLXB25, NZ25, TGDC25, WYZ25]. **Kawahara** [SRMGMD25]. **KdV** [ZZJJ25, BPT25]. **Keller** [FBM25]. **kernel** [JN25, KS25c, Öza25]. **kernels** [HuR25, SBAM25]. **Kerr** [CKL+25]. **Kerr-type** [CKL+25]. **kind** [AD25, GHD25, LF25]. **kinetic** [FA25]. **Klein** [ZMG25]. **known** [AK25a, FLS25]. **Kolmogorov** [KKHK25]. **Kudryashov** [MO25]. **Kutta** [Moi25, KS25b].

L [CWX25]. **L-DEIM** [CWX25]. **Lagrange** [WKQ25]. **Lagrangian** [ADJL25, HHF25, PY25, ZNL25]. **Lanczos** [LTZ25]. **Landau** [LCZ25]. **Lane** [SGRS25]. **Laplace** [MR25, MR23]. **large** [AK25a, DLR25, TGDC25]. **large-scale** [TGDC25]. **laws** [ADJL25, FC25]. **layer** [ZBN+25]. **layers** [ADY25]. **LCP** [SWD25]. **learn** [NT25]. **learning** [SSM25]. **Least** [Ton25]. **Leffler** [JN25, Öza25]. **length** [BC25]. **level** [KC25]. **Levenberg** [TZ25b]. **LFC** [SC25]. **liabilities** [ZFCM25]. **life** [TA25]. **lifetime** [JFP25, WZTL25].

lifetimes [DJ25]. **LightGBM** [HBG25]. **Lightning** [SNZ25]. **like** [CA25a, TZ25b]. **likelihood** [DJ25, LLG25]. **limit** [PY25]. **limited** [XJQ25]. **linear** [CLJX25, GHZ25, HV25, LLZH25, LZZ+25b, MG25, SX25, SZD25, TGDC25, Yu25, ZFCM25]. **linearized** [CG25]. **linearly** [HHF25]. **Lipschitz** [GR25, JJM25, LY25, YY25, ZZX25]. **liquidity** [LG25]. **Lobatto** [SH25]. **local** [FC25, KL25, Xie25, You25]. **location** [LZFP25]. **locations** [LZFP25]. **Logarithmic** [NN25]. **logistic** [LJY25]. **long** [WKQ25]. **long-only** [WKQ25]. **loop** [HY25b]. **lot** [SSLP25]. **Low** [FF25, BKST25, SZD25]. **Low-cost** [FF25]. **low-rank** [BKST25, SZD25]. **Lucas** [LC25b]. **Luchko** [HuR25].

machine [SSLP25]. **magnetic** [Yin25]. **Mahony** [KM25]. **making** [CNQY25]. **management** [ZFCM25]. **manifolds** [JWS+25]. **mapping** [YWW25]. **mappings** [KIF+25]. **maps** [Hun25, SC25]. **March** [Ano25b, Ano25e]. **Markov** [BAPPF25]. **Marquardt** [TZ25b]. **mass** [ZC25a]. **mass-** [ZC25a]. **matched** [OTD+25]. **matching** [SNZ25]. **material** [UX25]. **materials** [LGDN25]. **Math** [MR25]. **mathematical** [ITM25, SGRS25]. **matrices** [BS25c, CQ25, Sah25]. **matrix** [CKC25, DdF25, FWL25, LC25a, MG25, NZ25, Pho25, WCS25, ZNL25]. **maximization** [CGR25]. **Maximum** [DJ25, LLG25, WZTL25]. **Maxwell** [CKL+25]. **May** [Ano25f, Ano25c]. **Mean** [Hag25, PW25]. **Mean-square** [Hag25]. **mean-variance** [PW25]. **means** [XQW25]. **measles** [ITM25]. **measure** [SX25]. **measures** [LG25]. **mechanics** [XHLH25]. **mechanism** [MHWY25]. **media** [ABH+25, CKL+25, GCN25, PM25a, XGYH25, You25]. **medical** [ZLC+25]. **medium** [Sai25, TC25]. **memristive** [JCCZ25]. **mesh** [LMZ25, You25]. **meshes** [WCW25]. **Meshfree** [NPA+25]. **meshless** [AD25, GNUV25]. **metasurfaces** [HLL25]. **Method** [Vas25, ADJL25, ABB25, AMRS25, AFA25, AD25, ACO25, BKST25, BS25a, BCD25, COPPS25, Che25, CG25, FADA25, FWL25, GCN25, GHD25, GS25, Hag25, HKH+25, HJ25, HWZ25, HLL25, JS25, JLC25, KC25, KSC25, LCZ25, LW25, LP25b, LWL+25, LYC25, LRG25, LGDN25, LMZ25, LLXB25, LSPV25, LF25, MS25, MCL25, MR23, MR25, NKN25, NN25, NPA+25, NDSZ25, OTD+25, PM25a, QWZ25, QWLF25, SRMGMD25, SKM25, TGDC25, TZ25a, WLZZ25, WYZ25, WCW25, XNL25, XGX25, XQW25, YTT25, YWW25, Yao25, ZLY25, ZMG25, ZBN+25, ZWSC25, ZNL25]. **Methods** [XGYH25, AS25, CM25, CH25, CKL+25, CTZ25, GH25, HV25, KS25b, LC25b, MWTW25, Moi25, PM25b, WX25, WCS25, Yin25, Yu25, ZZX25]. **metric** [FKVZ25, KIF+25]. **MFPIO** [ZWSC25]. **Milstein** [YY25]. **Milstein-type** [YY25]. **minimization** [LSPV25]. **minimizers** [Xie25]. **minimizing** [LYC25]. **Mittag** [JN25, Öza25]. **Mittag-Leffler** [JN25, Öza25]. **Mixed** [ZBN+25, Che25, LY25]. **mKDV** [BPT25]. **mobile** [MZL25]. **mobility** [LWZZ25]. **Model** [WJ25, ABH+25, ACO25, CY25, CLY25a, FG25, HKY25, ITM25, Kar25b, KS25a, LP25a, LRG25, LWZZ25, RNC25, SZD25, WX25, XLLJ25, ZLZ25, ZZ25]. **modeling** [MHWY25, YXM25]. **modelling** [BDvdHV25]. **models** [Che25, CNQY25, HFSK25, LG25, Vas25, Zho25]. **modification** [FKVZ25]. **modifications** [PSF25]. **modified** [BKST25, CKL+25, KKHK25, KM25, QWLF25, ZHLD25]. **Modulus** [MG25, FWL25, WCS25]. **Modulus-based** [MG25, FWL25, WCS25]. **moment** [Ton25]. **moments** [CP25, NN25, YWY25]. **momentum** [LLXB25, TGDC25]. **monodomain**

[RNC25]. **monotone** [CLQY25, IRS25, LJY25, XLLJ25]. **Monte** [SDS25]. **Montgomery** [BRPP25]. **Moore** [BFQ25, CQ25]. **MOR** [ABB25]. **Moreau** [RNC25]. **motion** [AAN25, ZZX25]. **MP** [Yao25]. **MP-Newton** [Yao25]. **Multi** [KC25, BPT25, KSC25, LGDN25, LSCZ25, LLG25, SHL+25, ZMG25, ZBN+25]. **multi-agent** [LSCZ25]. **multi-core** [BPT25]. **multi-dimensional** [ZMG25]. **multi-factor** [LLG25]. **multi-layer** [ZBN+25]. **Multi-level** [KC25]. **multi-scale** [LGDN25]. **multi-step** [SHL+25]. **multi-term** [KSC25]. **multilevel** [XGX25, You25]. **multilinear** [NDSZ25, ZWSC25]. **multiobjective** [CLQY25, Hun25]. **Multiscale** [ABH+25, Vas25, XGYH25, LYC25, NPA+25, PM25a, XLZ25]. **multiterm** [KPTS25]. **multivariate** [CGR25, Öza25, Xie25, YWY25].

n [GJ25]. **Nash** [HY25b]. **nature** [PSF25]. **near** [MT25]. **near-field** [MT25]. **network** [LGDN25, MZL25, Vas25, YC25, ZH25]. **networks** [JCCZ25, NT25, ZLS25]. **Neural** [YXM25, JCCZ25, LGDN25, MZL25, NT25, XLZ25, YC25, ZH25]. **neutral** [AFA25, FADA25, KPTS25, Yu25]. **Newton** [CLY25b, HV25, LC25a, WKQ25, Yao25]. **Newton-type** [HV25, LC25a]. **Nicolson** [LCZ25]. **noise** [CTZ25, Hag25, YPLH25]. **noises** [Ran25]. **Non** [DG25, FGGdO25, GCN25, XDZ25, CLQY25, FC25, Hag25, LY25, RM25, SX25, YY25, YPLH25]. **non-commutative** [Hag25]. **non-convex** [YPLH25]. **Non-Fickian** [FGGdO25]. **Non-fragile** [XDZ25]. **non-globally** [YY25]. **Non-Intrusive** [GCN25]. **non-linear** [SX25]. **non-Lipschitz** [LY25]. **non-monotone** [CLQY25]. **non-smooth** [RM25]. **Non-uniformly** [DG25]. **nonconvex** [CLJX25, JWS+25, Xie25]. **nonlinear** [CH25, CG25, CKL+25, FF25, FWL25, Hag25, HRST25, JJM25, KL25, LCZ25, LRG25, LLXB25, LJY25, MO25, SQLZ25, TZ25b, WCW25, XGX25, YTT25, Yao25, Yu25, ZMG25, ZC25a]. **nonlocal** [ADJL25, LP25b, Sai25]. **nonnegative** [ZNL25]. **nonsmooth** [CLY25b, CLQY25]. **nonstandard** [FG25]. **nonzero** [HY25b]. **nonzero-sum** [HY25b]. **norm** [LSPV25, Xie25]. **note** [DdF25]. **Novel** [GHZ25, CA25a, FF25, HWZ25, JCCZ25, MZL25, XGX25]. **nudging** [DLR25]. **numbers** [GJ25]. **Numerical** [AD25, BFQ25, BPT25, CdlHG25, FADA25, HYZ+25, KM25, YY25, ZBK25, AFA25, GNUV25, JVW25, JN25, KKHK25, MRRÁY25, RK25, ZSYZ25, ZFCM25]. **Nuttall** [MPB25]. **Nyström** [MS25].

objective [LG25]. **observations** [BC25, XQW25]. **ODE** [LS25]. **off** [DdF25]. **off-diagonal** [DdF25]. **one** [NKN25, ZZX25]. **one-dimensional** [NKN25]. **one-sided** [ZZX25]. **online** [SSM25]. **only** [WKQ25]. **open** [CS25, HY25b]. **open-loop** [HY25b]. **Operator** [YXM25, LWZZ25, XLZ25, ZLS25]. **operators** [CdlHG25, JN25, LSCZ25, Öza25, YC25]. **Optical** [MO25]. **Optimal** [MT25, SHK25, ZC25a, GHZ25, GLTW25, GS25, LS25, LSPV25, RNC25, SSLP25, SKM25, SGRS25, SWWY25, ZLC+25, ZFCM25]. **Optimally** [AKKM25]. **optimization** [CLY25a, CLQY25, GLTW25, HHF25, JWS+25, LR25, MHWY25, ZLZ25]. **optimization-by-continuation** [LR25]. **optimized** [HBG25, MCL25]. **option** [AAN25, MWTW25]. **options** [ACO25, HKY25, ZZ25, Zho25]. **order** [AK25a, AFA25, Buo25, CM25, CWX25, CA25b, DG25, FADA25, GLTW25, HKH+25, HRST25, KPTS25, Kar25b, LLZH25, LRG25, LGDN25, LMZ25, LWF25,

LC25b, Moi25, Ran25, RK25, SGRS25, SZD25, SBAM25, TZ25a, WX25, XC25, XNL25, XDZ25, ZLC+25, ZZJJ25]. **order-book** [DG25]. **oriented** [BS25b]. **Orr** [PM25b]. **orthogonal** [JS25]. **oscillating** [SHK25]. **oscillation** [HFSK25]. **oscillatory** [AKKM25, CLZ25, LWF25, ZC25b]. **Outlier** [CGR25].

padded [BS25c]. **PageRank** [SHL+25, ZWSC25]. **parabolic** [NPA+25, QWZ25, SBAM25, WCW25, YTT25]. **Parallel** [BS25c, SSLP25, ZS25]. **parallel-batch** [SSLP25]. **parallelization** [BPT25]. **parameter** [FBM25, SQLZ25]. **parameter-free** [SQLZ25]. **parameterization** [CS25]. **parameterized** [AK25b]. **parameters** [DJ25, DLR25]. **parametric** [ABB25, Hun25]. **Pareto** [HLS25, SSLP25]. **part** [CLZ25]. **partial** [HWZ25, LW25, XLZ25]. **Particle** [Yin25]. **path** [AK25a, MZL25]. **paths** [BAPPF25]. **pattern** [FBM25, KKV25]. **PDE** [ZLC+25]. **PDEs** [ABB25, FBM25]. **Peano** [JN25]. **Peer** [LS25]. **penalized** [XLLJ25]. **penalty** [GS25, HJ25]. **Penrose** [CQ25]. **performance** [JFP25]. **periodic** [LZZ+25b, SHK25]. **perishable** [CY25]. **person** [HY25b]. **perturbations** [DdF25]. **perturbed** [FBZ25, LMZ25]. **Petrov** [PM25b]. **Petrovsky** [KKHK25]. **phase** [Che25, LLZH25, LWZZ25, WX25, ZFCM25]. **phase-field** [LWZZ25, WX25]. **physics** [LGDN25, TSM25]. **physics-informed** [LGDN25]. **piece** [MRRÁY25]. **piece-wise** [MRRÁY25]. **PINN** [LGDN25]. **Piskunov** [KKHK25]. **planar** [FKVZ25, PSF25]. **Planck** [RK25]. **plasma** [FA25]. **plus** [FBZ25]. **POD** [LRG25]. **point** [ADY25, AK25b, CXLP25, PSF25]. **points** [LSCZ25]. **pointwise** [RNC25]. **Poisson** [YPLH25]. **poles** [FA25]. **polygonal** [WCW25]. **polyharmonic** [KC25]. **polyhedral** [SWD25]. **Polynomial** [SSLP25, FC25, Sah25]. **polynomials** [FKVZ25, NKN25, PM25b]. **Population** [LZFP25]. **Population-based** [LZFP25]. **poroelasticity** [LRG25]. **porous** [GCN25, PM25a, You25]. **port** [BS25b]. **port-Hamiltonian** [BS25b]. **portfolio** [CNQY25, LG25, WKQ25]. **posedness** [XHLH25]. **Positivity** [KKHK25, PY25]. **positivity-preserving** [PY25]. **post** [HWZ25, KZG25]. **post-processed** [HWZ25]. **posteriori** [MWTW25, MR23, MR25, YTT25, You25]. **posteriori-based** [You25]. **Powell** [GP25]. **power** [AAN25, CLY25b, XNL25]. **PR** [CLJX25]. **preconditioner** [AK25b]. **preconditioning** [MHO25]. **predator** [FG25]. **Prediction** [SSM25, HBG25]. **predictor** [AK25a]. **predictor-corrector** [AK25a]. **prescribed** [Sah25]. **preservation** [BDvdHV25]. **preserve** [LWF25, PSF25]. **preserving** [KKHK25, KS25a, PY25]. **prey** [FG25]. **price** [CY25, DG25]. **Pricing** [HKY25, Zho25, AAN25, ACO25, CY25, MWTW25, ZZ25]. **primal** [AK25a, LR25, ZHF25]. **primal-dual** [AK25a, LR25, ZHF25]. **priori** [MR23, MR25]. **problem** [AS25, ABH+25, BFQ25, BCD25, CLY25b, FWL25, GS25, HJ25, JLC25, LYC25, LMZ25, LF25, MR23, MR25, OTD+25, Sah25, TC25, WYZ25, XLLJ25, You25]. **problems** [AK25a, AK25b, BS25a, CLJX25, CLY25a, CLY25b, CLQY25, CXLP25, FBM25, GCN25, GHZ25, GLTW25, HHF25, HV25, IRS25, JJM25, JCCZ25, JWS+25, KC25, LC25a, LGDN25, LJY25, LY25, MG25, NKN25, NPA+25, OAO25, SQLZ25, SSLP25, SKM25, SWWY25, WLZZ25, WCS25, WCW25, XNL25, YXM25, ZH25]. **procedure** [WZTL25]. **process** [ACO25, CP25, HY25a]. **processed** [HWZ25]. **product** [LC25b, MS25, MHO25]. **products** [CY25]. **profit** [Kar25b]. **programming** [AGGM25, CLY25a,

CLY25b, GBB25, LG25, XLLJ25]. **programs** [CLJX25]. **projection** [LJY25]. **Projective** [KS25b]. **propagation** [LWL+25, Sak25]. **proper** [JS25]. **property** [QWZ25]. **proportional** [Kar25a]. **proportional-XL** [Kar25a]. **proposed** [FG25]. **proximal** [CLQY25]. **pseudo** [LJY25]. **pseudo-monotone** [LJY25]. **pulmonary** [HRO+25]. **pursuit** [WYZ25]. **Pythagorean** [FKVZ25, PSF25]. **Pythagorean-hodograph** [FKVZ25, PSF25].

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