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Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254  
FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <https://www.math.utah.edu/~beebe/>

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## Title word cross-reference

$(p, p - 1)$  [ZW24].  $(\vartheta)$  [AK20a]. 1 [KLMZ21].  
 2 [DFFS22, HM22]. 3 [FGOS20, FLH23,  
 Han23, HJHUT20, KLMZ21].  $k$  [CCMP24].  
 $A$  [LWC23].  $H(\mathbf{curl})$  [Hu23].  $H^1$  [FH24].  
 $H(\text{div})$  [FH24].  $o(\frac{1}{k})$  [BN23].  $C^1$  [CJZ22].  $\delta$   
 [HX20].  $\ell_2$  [GPHHA20].  $\ell_\infty$  [GPHHA20].  $\Gamma$   
 [GKMR22].  $H$  [WX20].  $H(\text{curl})$  [CFV23].  
 $H(\text{curl})$  [WYZ20b].  $H(\text{DIV})$  [Mu20].  $H^1$   
 [QW23].  $H^2$  [AP20].  $H^m$  [CHW22].  
 $H \in (0, 1)$  [ND22].  $hp$   
 [AH21, AP21a, AP21b, DMS21, FMMS23].  $\kappa$   
 [DH24].  $L^2$   
 [AXSZ22, CSWY23, DST21, LSXY24].  $L^\infty$   
 [CMZ21].  $L^p$  [DST21].  $L_1$  [Mus20, NT21a].  $p$   
 [BDS23, BHL21, CDCVV21, CFV23, KR23a,

KR23b, KR23c, MPV20, WL20].  $\phi$  [DL20b].  
 $Q$  [GWY22].  $r$  [ARSY20].  $\theta$  [WZZ22].

**-Conforming** [CHW22]. **-Convergence**  
 [GKMR22]. **-Curl** [WL20]. **-Dimensional**  
 [HJHUT20]. **-Discontinuous** [DMS21].  
**-Elliptic** [Hu23]. **-FEM**  
 [FMMS23, AP21a, AP21b, DL20b]. **-Field**  
 [FGOS20]. **-HDG** [ZW24]. **-Laplace-Type**  
 [BHL21]. **-Laplacian** [BDS23, CDCVV21].  
**-Navier** [KR23a, KR23b, KR23c]. **-Norm**  
 [QW23]. **-Projection** [DST21]. **-Robust**  
 [CFV23, MPV20]. **-Singularities** [HX20].  
**-stability** [AK20a, DST21]. **-Stable**  
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**1-Wasserstein** [XLZZ24]. **1D** [MKR24].



**2** [ARSY20].

**3D** [MKR24].

**Absorption** [GSZ20]. **Abstract** [SV24].

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**Accuracy** [ARSY20, HKYY21, LAZ22,

MR21, WZ23, YHLR22]. **Accurate**  
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**Accurately** [JZZ24]. **Acoustic** [ZWC20].

**Active** [LO23]. **Adaptation** [CAGD22].

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CM21, CLS23, EEST22, HAST22, HL23,  
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[BJ22, CHS21, KLS20, Par20, YDS21].

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[ABBV23]. **Algebraic**

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[ARSY20, BdBEO21, BHYZ23, BC20, BN23,

Col23, GZ20, GANT20, QWL22, SSZ23,  
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**Algorithms**

[BW20, CL21, CCW21, CDD<sup>+</sup>20, DH21,  
GL24, HPBL21, MR21, Ni21, SZ21a]. **Allen**

[CGP20, JLQ22, ILTZ20]. **Alternative**

[WR21]. **American** [DLZ20]. **AMF**

[GPHHA20]. **AMF-W-Methods**

[GPHHA20]. **Ampère** [BBHT24].

**Amplitude** [IG21]. **Amplitude-based**

[IG21]. **analogue** [AK20a]. **Analyses**

[LET20]. **Analysis**

[AGS21, AB20, ADS23, ABCS24, BGNS20,

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BPS22, BH21, CJZ22, CH22a, CL21, CFV23,  
DN21, DEL21, DS20, DGL20, EH22,

FGOS20, FA22, FGP21, Gal21, GHM21,

GS23, GKS23, GMSZ22, GKMR22, GWY22,

Guo21, GK24, Hal21, HY22, HN21, HS21,

HS23, HPBL21, JLZ24, JZ21a, JK22, KR23a,

KS20, KM20a, Kop20, KLMZ21, LS20a,

LWS22, LZ23, LSXY24, LWWW22, LRK22,  
LZCZ22, LWXZ20, MSD22, MST22, MST20,  
MS20, Mus20, ND22, NR21, OS24, Otá22,  
Pap22, RS21a, Rub20, RN20, SGT20, SC23a,  
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WYZ20a, WB21, WLF23, XZ22, YZZ20,  
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[AK20b, WHL21]. **AP** [PCQL21].

**Application**

[ACM24, BCT21, BGG23, CFV23, CMZ21,  
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**Applications** [CS23, CL24, GP22, JLM22,

Kar21, LJL<sup>+</sup>21, LYL24]. **Applied**

[BJ22, CMZ21, GANT20]. **Applying**

[VL23]. **Approach**

[AHW23, BHL24b, CS22b, GKN21, Mai21].

**Approaches** [GFSZ20]. **Approximability**

[RW24]. **Approximants** [NT21a].

**Approximate** [Lab20, WLP21, Zha23b].

**Approximated** [DXY22]. **Approximating**

[CGR20, DMM24, FL21, Ni21].

**Approximation** [AN21, AJH23, BPW23,

BO20, BHL21, BG20, BHL24b, CC23, CS23,

CRR24, DLZ20, DH21, DSY21, DDO20,

EHK24, EG23, FLO20, Gaw20, GSW21,

GPR20, HKYY21, KR23a, KR23b, KR23c,

KLMZ21, LS20b, MSS20, Mus20, NT21b,

OS24, PS20, PS21, PSS22, RSS22, RSS24,

Spr24, WYZ20b, Xia21, ZSH20, ZZZ22b,

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ADM21, BR20b, BLV20, BDG23, CZZ22,

DGL20, EW21, GS23, GMSZ22, GKMR22,

GHM20, Hel24, HL23, HK20, JZ21a, MSD22,

MNO21, Wan23]. **Arbitrary** [CHW22,

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**Area** [JSZ23, KYB23]. **Area-Preserving**

[JSZ23]. **Arising** [dDFH23]. **Arnoldi**

[CCW21]. **Artificial**



[BHL24a, DIL<sup>+</sup>20, JLY21, SWZ20].

**Assimilation** [GANT20]. **Assumptions** [Kam21]. **Asymptotic** [DHS24, EHK24, GV20, GGHS22, GPR20, HD24].

**Asymptotic-Preserving** [EHK24, GV20].

**Asymptotically** [CHJS21, LTTF21].

**Asymptotically-Preserving** [CHJS21].

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**Averages** [BE24]. **Axisymmetric** [DN21].

**B** [HHM<sup>+</sup>20]. **B-Splines** [HHM<sup>+</sup>20].

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[AHW23, ABBV23, AP24, BGNS20, BHLZ24, BdBEO21, BHYZ23, BFS23, CFV23, CCL23, CLR23, CCMP24, CDD<sup>+</sup>20, DMS21, GW20, LL22a, MSD22, MRV23, PS21, Rub20, ZWT24, AF21, IG21, KS20, PCQL21].

**Basis** [AJ24, HO24]. **Batch** [JLL21]. **Bates**

[BCT21]. **Bathymetry** [NPT22]. **Bayesian**

[ACM24]. **BDF** [AK20a, ACYZ21, HS24,

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**Beavers** [SSZ23]. **Behavior**

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[WSH20]. **Best** [DH21, NT21a]. **Between**

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**Bi-Laplacian** [CP23]. **Bianchi** [HLM22].

**Bifurcation** [SV24]. **Biharmonic**

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**Bilinear** [BFOQ24]. **Biomaterials**

[GKMR22]. **Biot** [GVMRBV23].

**Biperiodic** [Zha23a]. **Bitemperature**

[ADBP22]. **Block** [LWC23, LWX24]. **Blow**

[CRR24, KM20b]. **Blow-Up** [KM20b].

**Blow-Ups** [CRR24]. **Boltzmann**

[DHS24, DEL21, HQY21, PR22]. **Borrvall**

[Pap22]. **Bound**

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**Bound-Preserving** [CDW24]. **Boundary**

[AHW23, BFS20, CGP24, CMZ21, DFFS22, GZ21, GMSZ22, HJHUT20, HS21, JK24, JK22, KN20, Met21, NPT22, NH20, SBL22, SWZ20, WM23, YHLR22]. **Bounded**

[HW22, LM22b, QS21, ZW22]. **Bounds**

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DH24, FV23, GO23, HM22, Kam21,

KRS<sup>+</sup>21, KM20b, WR21]. **Branching**

[SX20a]. **Bregman** [BCJQ24]. **Brezzi**

[AK20b]. **Brinkman** [Mu20]. **Brownian**

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**Bubble-Enriched** [BV22].

**C** [ALOS23]. **Cahn**

[CSWY23, CHSZ23, CGP20, CHS21, JLQ22, ILTZ20, LMR23, Met21, QW20]. **Can**

[CZZ20]. **Cardinality** [BC20]. **Carleman**

[BdBEO21]. **Carleman-Based** [BdBEO21].

**Carlo**

[CG24, FA22, GKS23, GSM24, HAST22,

HZW23, KVM22, LWY23, SSX23, TS23].

**Case** [CL21, GHM20]. **Cases** [FH24].

**Cauchy** [BGJ22]. **Cell** [CDW24, GKMR22].

**Cell-Induced** [GKMR22]. **Central**

[WJS23]. **Certain** [RW24]. **Chains**

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[HLS23, WZ21]. **Chebyshev**

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[CLR23, Hu21, Hu23, Mai21, OP24, Spr24].



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## D

[DFFS22, FLH23, HM22, Han23, KLMZ21]. **Darcy** [FA20, JLY21, SSZ23, ZCPZ21]. **Data** [CDD<sup>+</sup>20, Col23, DH20, DSY21, DGL20, FHK22, GANT20, Gla20, HL23, LM22a, LLMR23, LWZ23, bLWZ21, LCS24, LS20b, SWH24]. **Data-Based** [CDD<sup>+</sup>20]. **Data-Driven** [Col23]. **Davidson** [LWX24]. **Decay** [WS23]. **decaying** [ALW21]. **Decomposition** [AFB<sup>+</sup>21, BBHT24, CDW24, DNT22, GL24, GSZ20, Hu21, KRS<sup>+</sup>21, LS20b, MS21, NR21, RS21a, SSZ23, Zha23b]. **Deconvolution** [Lab20]. **Decoupled** [FHW21, LMR23, ZRZ23]. **Decoupling** [LUZ20]. **Decreasing** [JSZ23]. **Deep** [AN21, DGYZ22, GHLY23, HPBL21, MS23, MR21, ZWT24]. **Defect** [BO20]. **Defected** [YHLR22]. **Defined** [DL20b, SJ21]. **Deformations** [RSS22]. **Degenerate** [CT21, DE20]. **Degree** [GGPS21]. **Degrees** [CKP23]. **Delay** [SV24]. **Densities** [GKS23]. **Density** [GHLY23, KN23]. **Dependence** [HHL24]. **Dependent** [GVMRBV23, GH24, HK20, KS20, SWH24]. **Derivative** [BBH22, DGG20, EW21, GAJN23, KM20a, MNO21]. **Descent** [JLM22]. **Design** [MSD22]. **Detailed** [LWWW22]. **Deterministic** [GFSZ20]. **Deviations** [CHJS21]. **DG** [ZCPZ21]. **Diagonalization** [GW20]. **Diagonalization-Based** [GW20]. **Difference**

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**Drift** [BJ22, BDG23, CCW22]. **Driven** [BH21, Col23, CHS21, NSD22, ND22, PSS22].  
**DtN** [BLY21]. **Dual** [BBH22, CK20, CWW24, WW20]. **Duality** [AP24, Tra24]. **Duality-Based** [AP24].  
**Dynamic** [MQ23, Met21]. **Dynamical** [Col23, DEL21, EHK24, Guo21]. **Dynamics** [BCF22, DGYZ22, FV23, HLS23, KD21, LPW24, LZCZ22, WZ21, ZZZ22a, ZWT24].  
**Dziuk** [BL23, Li20, Li21, YC21].  
**Earth** [GP22]. **EC** [CCMP24]. **Edge** [WYZ20b]. **Effective** [LWXZ20]. **Efficiency** [HP20]. **Efficient** [BS22, Met21, PSS22, SSX23, WL23].  
**Eigenspaces** [DE24]. **Eigenstates** [ST22].  
**Eigenvalue** [ACZ24, CZZ20, CP23, CLLZ24, CL24, GLS23, HMO22, HP20, HT20, Kam21, LX23, RN20, Sch23, SC23a]. **Eigenvalues** [DE24, GO23, GSW21, LWX24]. **Einstein** [HLM22]. **Elastic** [BLY21, Bar20, CHH23, QS21, ZW22].  
**Elasticity** [AKNY20, YLZ22, ZQ23].  
**Electric** [HY22]. **Electromagnetic** [WYZ20a]. **Element** [AKNY20, ABBV23, AH21, AJH23, BL23, BHL24a, BLY21, BZ21, BJL23, BPW23, BLV20, BGJ22, BPP20, BDL20, BGHY22, BFS23, BFS20, BHL24b, CGO20, CK20, CSWY23, CZZ20, CM21, CFV22, CZZ22, CHH23, CHW24, CAS23, DN24, DFFS22, DL20b, DGL20, DWW22, ER20, ER21, FA20, FLM21, FLH23, GS23, GANT20, Geo21, GSW21, GLW22, Han23, HG22, HL23, HJHUT20, HLM22, HZZ22, JKVY23, JK24, JLWZ22, JSZ23, JZ21a, Kam21, LSTY21, Li20, LWX20, Li21, LAZ22, LZ23, LSXY24, LYL24, LS24, LL22b, MCL20, MZZ22, MSD22, Met21, Mu20, MRV23, NRY22, QW20, QZ20, RSS22, RSS24, Spr24, Sto20, WW20, WYZ20b, WX20, WB21, WLF23, ZSH20, dDFH23].  
**Elements** [AW20, BL23, BV22, CKP23, CHW22, CH22b, Gaw20, GMMP24, Li21, NO21, WHL21, dVDV24]. **Elliptic** [BIP22, BKR<sup>+</sup>24, CM21, CL24, DHM23, DE20, EEST22, EH22, GHM20, GMP22, HL23, Hu23, JZ21a, LWX24, Mai21, MK20, MS23, QZ20, SC23a, Spr24, WYZ20b].  
**Embedded** [LR20, NWZ22]. **Energy** [ALW21, ACYZ21, AHW23, BCJQ24, BLN21, CDCVV21, DH24, DWW22, EHK24, FLM21, GMSZ22, GKMR22, GWY22, HLTW21, LSTY21, ILTZ20, LMN23, MCL20, MQ23, PCQL21, RK20, SX20b, SWW22, WB21].  
**Energy-based** [PCQL21].



**Energy-conserving** [FLM21].  
**Energy-decaying** [ALW21].  
**Energy-Preserving** [WB21].  
**Energy-Stable** [GWY22]. **Enhanced** [DGG20, PCQL21]. **Enhancing** [MR21].  
**Enriched** [BV22, YLZ22]. **Ensemble** [AHV22, BSWW22, CST20, JLY21, SSZ23].  
**Entropic** [CHKL22]. **Entropy** [BPS22, CHKL22, CG20, DMM24].  
**Equation** [ABB<sup>+</sup>21, ALW21, AGS21, BLM21, BCY21, BCF22, BW24a, BW24b, BK21, BDL20, BBHT24, BS22, BDE21, BGG23, BDE23, CS22a, CKP23, CGP24, CFV20, CMZ21, CDP22, CHSZ23, CHS21, DFFS22, DNT22, DEL21, DWW22, FLM21, GM24, Geo21, GM22, GMMP24, GSZ20, GPR20, GH24, HQY21, JORS24, JLWZ22, KK20, KLS20, KM20b, LY20, LWY23, ILTZ20, LLZZ22, LS24, MZZ22, MST22, MSS20, Mus20, NSD22, ND22, NWZ22, PR22, QW23, SX20a, Sto20, TC24, WK23, WYZ24, WB21, YZ20, YHLR22, ZW22, ZW20a, ZW23, ZW24, Zou23, QW20].  
**Equations** [ACM24, AB20, ADM17, ADM21, Avi23, BR20b, BM22, CCHHK20, CJZ22, CFF20, CN21, CFV22, CFV24, Che21, DH22, DL20a, DE20, DS20, IDzSW22, DK23, DGL20, ER21, EEST22, EH22, FHW21, FL21, FLH23, FLLT24, FM21, GS22, GS23, GANT20, GHM20, GLS23, GO20, HM22, HHL24, Han23, HZ20, HX20, HS20, Hu21, HS21, HS23, HS24, HK20, IG21, JKVY23, JK24, Kam21, Kar21, KN20, KS20, KV22, KHM24, Kop20, KR23d, LL22a, Led21, LWX20, LS20a, LWZ20, LAZ22, LM22a, LM22b, LWS22, LMS22, LLMR23, LWZ23, LWC23, MQ23, MS23, Met21, NPT22, OSV23, PS22, QS21, QZ20, SGT20, SV24, SW23, SZ21a, SX20b, SR20, Spr24, SWZ20, WZ20, WW20, WZZ22, WS23, WTSZ24, WJS23, XSZ20, YZDCNC23, ZZZ22b, ZW20b, ZDMZ20, ZWT24]. **Equilibrated** [CFV23]. **Equivalent** [AKM23]. **Ergodic** [CL21]. **Ergodicity** [TS23]. **Ericksen** [NRY22]. **Erratum** [BL23]. **Error** [ALOS23, AXSZ22, AGS21, ACZ24, ADM17, AP24, ACW21, BCY21, BCF22, BW24b, BPW23, BLV20, BV22, BBH22, CSWY23, CDG23, CH22a, CGN24, CGP24, CFV22, CFV24, CMZ21, CGP20, Col22, DLZ20, DN21, DEL21, DGG20, DRV21, DMS21, DH24, DS20, DGYZ22, FV23, FHW21, FGP21, Gal21, GANT20, GGPS21, GO21, GK24, HW22, HZ20, HZW23, HS21, HS23, JORS24, JZ21a, KS20, KK20, KRS<sup>+</sup>21, KM20a, Kop20, KR23d, KM20b, LS20a, LWS22, LSXY24, MST22, MS20, MPV20, Mus20, NT21a, NR21, Otá22, QW20, WLP21, WL20, WZ21, Wan23, WYZ24, WR21, WB21, XSZ20, ZZZ22a, ZW20a, ZDMZ20, ZWT24, Zou23, dVCN<sup>+</sup>23, vWR23, ADM21, JK22]. **Errors** [BIP22]. **Estimate** [AXSZ22, BBH22, DRS24, FHW21, XSZ20, ZW20a]. **Estimates** [AM22, ACZ24, ADM17, ADM21, BW22, BPW23, BLV20, BV22, BLN21, CGO20, CSWY23, CDG23, CGP24, CFV22, CFV24, CMZ21, CGP20, DLZ20, DRV21, DMS21, GANT20, GO21, HW22, HZ20, HG22, JORS24, KR23d, MST22, QW20, SR20, WZ21, ZZZ22a]. **Estimation** [BIP22, CDD<sup>+</sup>20, DGYZ22, GHLY23, KN23, WL20, Zou23]. **Estimator** [GGPS21, KK20, MPV20]. **Euler** [AGS21, ADBP22, BJ22, KLS20, ZZZ22a]. **Eulerian** [HX20, LMN23, vWR23]. **Evaluation** [SWZ20]. **Events** [WLP21]. **Evolution** [BHL24a]. **Evolutionary** [WS23]. **Evolutions** [MS20]. **Evolving** [BHL24a, LL22b]. **Exactly** [LS22]. **Expanding** [ST22]. **Expansion** [CGR20, FDvW21, HN21, SGT20]. **Expansions** [ZWC20]. **Expected** [FP20]. **Explicit** [AH21, BW24a, BGG23, CFV22, CFV24, CAS23, HM22, MST20, OSV23, RK20, WTSZ24, AK20a, LWZ20]. **Exponent** [BDS23]. **Exponential**



[BW24a, BW24b, DH22, FMMS23, HKYY21, JLQ22, LM22a, LMS22, LLMR23, LWZ23, MS23, NWZ22, OSV23, ZWC20, Zha22].  
**Exponential-Type** [NWZ22]. **Extension** [HHM<sup>+</sup>20]. **Extensions** [Hu21]. **Exterior** [DFFS22]. **Extrapolation** [ZEG20].  
**Extrinsic** [CL20, CHW24].

**Face** [VL23]. **Factor** [KK24].

**Factorization** [ST22]. **Family** [HZZ22].

**Fanbeam** [BH21]. **Fast** [BN23, DL20a, QS21, SST<sup>+</sup>20, SWZ20, ZDMZ20]. **FBSDEs** [YZZ20]. **FEAST** [HT20]. **FEM** [AP21a, AP21b, AP22, AJ24, BIP22, BNY23, CN21, DL20b, FKM22, FMMS23, FHW21, ZW23].

**FEMs** [Sun21]. **FETI** [BPP20]. **FETI-DP** [BPP20]. **Fibrous** [GKMR22]. **Field**

[Avi23, BHL24a, CSZ24, CL21, FGOS20, HN21, Kar21, LS22, LJL<sup>+</sup>21, OS24, WZ21].

**Fifth** [HKYY21]. **Fifth-Order** [HKYY21].

**Film** [FM21]. **Filter** [QWL22]. **Filtered** [bLWZ21, WLF23]. **Filtering** [ACM24].

**Filters** [FGK23]. **Finite**

[AF21, AKNY20, AGS21, AY20, AH21, AJH23, BL23, BHL24a, BLY21, BZ21, BJL23, BPW23, BLV20, BDL20, BGHY22, BFS23, BHL24b, BD23, CGO20, CK20, CSWY23, CG20, CCHHK20, CZZ20, CM21, CFV22, CH22b, CZZ22, CHH23, CAS23, DN21, DN24, IDzSW22, DL20b, DGL20, ER20, ER21, FA20, FLM21, FL21, FLH23, FMR22, GvR24, GS23, GANT20, Gaw20, Geo21, GSW21, GLW22, Han23, HL23, HLM22, HZZ22, HPBL21, JKVY23, JK24, JLWZ22, JSZ23, JZZ24, JZ21a, JZ21b, Kam21, KSG23, LSTY21, Li20, LWX20, Li21, LZ23, LSXY24, LYL24, LS24, MCL20, MZZ22, MSD22, MT20, MNO21, Met21, Mu20, MRV23, MSS20, NRY22, QW20, QZ20, RN20, RSS22, RSS24, SBL22, Spr24, Sto20, WW20, WK23, WX20, WB21, WLF23, ZSH20, ZW22, Zou23, dVDV24, dDFH23, BGJ22, LL22b].

**Finite-Difference** [SBL22].

**Finite-Element** [AJH23]. **Finite-Volume**

[JZ21b]. **Finitely** [KOO23]. **First** [CSZ24, EG23, GS22, LJL<sup>+</sup>21, QZ20, WYZ24].

**First-Order**

[EG23, LJL<sup>+</sup>21, QZ20, WYZ24]. **Fixed**

[BC22, BN23, EPRX20]. **Fixed-Point**

[EPRX20]. **Flow** [AFB<sup>+</sup>21, AP21a, AP21b,

AP22, BL23, BW22, BHL24b, CLLZ24,

DN21, DN23, GLS20, GLW22, HP20, HD24,

JSZ23, Li20, Li21, Sun21, YC21, GWY22].

**Flows**

[CWW24, GAJN23, GMSZ22, JLQ22, Lab20, LWXZ20, LWXZ22, NR21, Rub20, ZEG20].

**Fluid**

[ALOS23, FK22, GP22, ZSH20, ZRZ23].

**Fluid-Fluid** [ALOS23]. **Fluid-Structure**

[FK22]. **Fluids** [FGOS20]. **Flux**

[BR20a, BGHY22, CFV23, ER20].

**Flux-Mortar** [BGHY22]. **Fluxes**

[LZM<sup>+</sup>20]. **Fokker** [BS22, LLZZ22, WW20].

**Followed** [GKS23]. **Forchheimer**

[FA20, ZCPZ21]. **Forcing** [HL23]. **Form**

[DWW22, EG23, LZ23, QZ20, Spr24, WK23].

**Formulae** [KYB23]. **Formulation**

[BHYZ23, BPS22, FGOS20, GS22,

GVMRBV23, GLS20, Led21]. **Fortin**

[FH24]. **Forward** [HHL24]. **Fourier**

[CLL24, HQY21, LET20, PR22, PS21,

SST<sup>+</sup>20, ZL21]. **Fourier-Based** [PS21].

**Fourier-like** [SST<sup>+</sup>20]. **Fourier-Matching**

[ZL21]. **Fourth** [CGN24, MZZ22, XSZ20].

**Fourth-Order** [CGN24, MZZ22, XSZ20].

**Fractal** [JK22]. **Fractional**

[ADS23, BFOQ24, BLN21, BG20, BGG23,

IDzSW22, FKM22, FMMS23, FLLT24,

GO21, HW22, HZ20, Kar21, KM20a, Kop20,

KLS20, Mus20, NSD22, ND22, Otá22,

SST<sup>+</sup>20, SSX23, WS23, ZW20a, ZW20b].

**Fractional-Derivative** [KM20a]. **Fracture**

[AFB<sup>+</sup>21, GHM21]. **Framework**

[CCMP24, CS22c, LMN23, MG23, RS21b,

SV24, XZ22, vWR23]. **Free**

[BCJQ24, BHL24b, DN24, Han23, LS22,

NRY22, PS22, SW23, WHL21, YZ20, YLZ22,

dVCN<sup>+</sup>23, LLS21, NO21]. **Free-Congested**



[PS22]. **Freedom** [CKP23]. **Frequency** [AB24, CFV22, CFV24]. **Frequency-Explicit** [CFV22, CFV24]. **Frequency-Independent** [AB24]. **Friedrichs** [LZM<sup>+</sup>20]. **Frog** [JLY21]. **Front** [LWXZ22]. **Full** [BGJ22, Che21, CHS21, GAJN23, JORS24, WD24]. **Full-Spectrum** [WD24]. **Fully** [BR20b, CRR24, GWY22, Guo21, QW20, SSZ23, YC21, vWR23]. **Function** [ACW21, BE24, CC23, GNÖ23, Led21]. **Functional** [AB20]. **Functionals** [BCJQ24]. **Functions** [AJ24, AY20, BCKS21, CS23, GvR24, GKS23, Gla20, HHT23, HO20, HO24, Huy22, IG21, KOO23, KSG23, KM20a, MO21, PS21, PU22, RW24, SZ21a, Xia21].

**Gain** [OP24]. **Galerkin** [AXSZ22, AM22, ADS23, ADM17, ADM21, BCF23, BPS22, BS22, CDG23, CJZ22, CSZ24, CFV24, Che21, CDP22, CHSZ23, CS22c, DLZ20, DHS24, DRV21, DMS21, DE22, DS20, EG23, FA20, FHN23, GS23, GM22, HZ20, HJHUT20, HX20, HQY21, KR23a, KR23b, KR23c, KK24, KK20, KR23d, LET20, LR20, LZM<sup>+</sup>20, LLS21, MCL20, MKR24, MST20, Mu20, MvdZ20, MMD24, Pap22, PR22, SST<sup>+</sup>20, WW20, WK23, WTSZ24, WJS23, XSZ20, YZ20, YLZ22]. **Galerkin-Mixed** [GS23]. **Galerkin/Hermite** [BCF23]. **Game** [CSZ24, OS24]. **Games** [CL21, LJL<sup>+</sup>21]. **Gamma** [NRY22]. **Gamma-Convergent** [NRY22]. **Gauge** [LWZ23, MQ23]. **Gauge-Transformed** [LWZ23]. **Gauss** [FLM21, KSG23]. **Gaussian** [Gaw20, Huy22, NSD22, ND22, QS21]. **General** [DC24, Gla20, GNÖ23, HHL24, Mai21, RS21b, ZEG20]. **Generalized** [CDP22, CAS23, GNS20, GK24, IG21, JK24, JLQ22, LZM<sup>+</sup>20, LWZ23, MSD22, MSS20]. **Generate** [MU22]. **Genetic** [CCW22]. **Genus** [DN21]. **Genus-0** [DN21].

**Geodesics** [ZN23]. **Geometric** [ABBV23, LRK22, TS23, WZ23, WJS23]. **Geometries** [BPV20]. **Geothermal** [QWL22]. **Gevrey** [CL24]. **Gibbs** [CHKL22]. **Ginzburg** [DH24, GS23, MQ23]. **Glaciology** [dDFH23]. **Global** [BLV20, HP20, JZZ24]. **Gordon** [BCF22, CS22a, MCL20]. **Grad** [EG23, WX20, SGT20]. **Graded** [KM20a, Mus20, ZW20b]. **Gradient** [BHYZ23, BC20, CWW24, CHH23, CLLZ24, DRS24, DL20a, HP20, HK20, JLM22, JLQ22, LWY23, ILL23, Par20, SZ20, ZEG20]. **Gradient-Dependent** [HK20]. **Gradients** [GZ21]. **Greedy** [SWH24]. **Green** [GvR24, KN20, NPT22]. **Grid** [XZ22]. **Grids** [AKNY20, BGHY22]. **Grönwall** [FLLT24]. **Gross** [CLLZ24, HP20]. **Guaranteed** [CP23].

**Halton** [OP24]. **Hamilton** [CFF20, FL21]. **Hamiltonian** [Ohs23, TS23]. **Harmonic** [BPW23, GLW22, KOO23]. **Hasimoto** [BMS24]. **HDG** [CMZ21, FK22, LRK22, ZW24]. **Heat** [BDE23, GMMP24, GLW22, KM20b]. **Hellan** [AW20, Led21]. **Helmholtz** [BDE21, CFV20, CAS23, DFFS22, DNT22, GSZ20, GH24, HM22, HS20, JLWZ22, LX23, MST20, ZW23, ZW24]. **Hermite** [AF21, BCF23, KSG23, SGT20]. **Hermite-based** [AF21]. **Herrmann** [AW20, Led21]. **Heterogeneous** [CFV20, CAS23]. **Heuristic** [KR20]. **Hidden** [ZW20a]. **Hidden-Memory** [ZW20a]. **High** [ALOS23, AXSZ22, AJ24, AH21, BL23, BDE21, BGG23, BDE23, CT21, CDW24, DE22, DHM23, DH24, DE20, EW21, FLM21, FdRS24, GvR24, Gaw20, Gla20, GGHS22, GMP22, GK24, HHL24, HS21, HK20, JLWZ22, KN23, Lab20, LET20, Li21, LWC23, LCS24, LZCZ22, Mai21, PS21, RW24, SJ21, SC23b, Tra24, WZ20, YHLR22, ZZZ22a, ZW22].



**High-** [DH24]. **High-Accuracy** [YHLR22].  
**High-Dimensional** [GK24, HHL24, HK20, PS21, RW24].  
**High-Index** [LZCZ22, ZZZ22a].  
**High-Order** [AH21, BL23, BDE21, BDE23, CDW24, DE22, DHM23, GvR24, Gaw20, GMP22, HS21, LET20, LWC23, Mai21, SJ21, SC23b, Tra24, CT21, DE20, FLM21, Li21, WZ20].  
**Higher** [CG24, DRV21, DE24, Zha23a].  
**Higher-Order** [CG24, Zha23a]. **Highly** [WZ23]. **Hilbert** [SWH24]. **Hilliard** [CSWY23, LMR23, QW20, CHSZ23, CHS21, Met21]. **Hiptmair** [Hu21, Hu23]. **Hodge** [WB21]. **Hölder** [HW22]. **Homogeneous** [HQY21]. **Homogenization** [BKR<sup>+</sup>24, FGP21, Spr24]. **Homogenized** [RSS24, Spr24]. **Homographic** [DH21].  
**Hood** [GS21]. **Horizon** [HPBL21]. **hp** [AP22]. **hp-FEM** [AP22]. **Hurst** [ND22].  
**Hybrid** [BCT21, CT21, CFV20, DE22, ER20, GMP22, MS21, Tra24].  
**Hybrid-Mixed** [CFV20]. **Hybridizable** [CHSZ23, DS20]. **Hybridized** [BDE21].  
**Hydrodynamic** [LWS22, LWX20].  
**Hydrodynamics** [MT20]. **Hyperbolic** [CDW24, DMM24, DN23, HX20, KHM24, LYL24, LLS21, SBL22, XSZ20].  
**Hyperinterpolation** [bLWZ21].  
**Hyperlens** [LYL24]. **Hypersingular** [WM23]. **Hypocoercivity** [Geo21].  
**Hypocoercivity-compatible** [Geo21].  
**Hysteresis** [PS20].  
**Ideal** [WJS23]. **Identification** [JZ21a, ZZZ22b]. **ii** [Hu23, AP21b, BCKS21, CS22b, JK22, KR23b]. **III** [AP22, KR23c]. **III** [GB20]. **Ill-Posed** [GB20]. **IMEX** [GGHS22, HS21, HS24, LWS22, WYZ24].  
**IMEX1** [PCQL21]. **IMEX1-LDG** [PCQL21]. **Immersed** [Guo21]. **Impedance** [GSZ20]. **Implementation** [AP22].  
**Implicit** [BR20b, BGG23, CDP22, CCMP24, CRR24, GM24, GGHS22, Li20, LWZ20, LWC23, WTSZ24, YC21, ZEG20, AK20a, LMS22].  
**Implicit-Explicit** [WTSZ24, LWZ20, AK20a]. **Implicitly** [FGOS20, SJ21]. **Importance** [HZW23].  
**Imposed** [GLS20]. **Imposition** [BFS20].  
**Improved** [BCF22, DHM23, WR21].  
**Improves** [EPRX20]. **Improving** [HKYY21]. **Including** [GAJN23].  
**Inclusions** [OS24]. **Incomplete** [BBC<sup>+</sup>24].  
**Incompressible** [BHL24b, FGOS20, GAJN23, Han23, NR21, Rub20, SR20, Sun21]. **Incremental** [MS20].  
**Indefinite** [CM21]. **Independent** [AB24, Huy22, MS20]. **Index** [LZCZ22, ND22, ZZZ22a]. **Induced** [GKMR22]. **Inequalities** [FLLT24, WYZ20b]. **Inequality** [dDFH23].  
**Inexact** [XZ22]. **Inextensible** [Bar20]. **Inf** [Pra20, Gal21]. **inf-sup** [Gal21]. **Infinite** [AF21, CS23, JLM22, SV24].  
**Infinite-Dimensional** [JLM22]. **Influence** [AJ24]. **Information** [BBC<sup>+</sup>24]. **Informed** [DMM24]. **Inhibiting** [DGG20].  
**Inhomogeneous** [JK24]. **Initial** [LM22a, NH20]. **Injection** [LRK22].  
**Instationary** [GS22]. **Integral** [FKM22, FMMS23, GO20, HW22, KYB23, LM22b, SST<sup>+</sup>20, SSX23, WM23, YHLR22].  
**Integrals** [BHLZ24]. **Integration** [BMS24, CLW21, CLS23, GKS23, GSM24, GK24, IKM22, LTTF21, MO21]. **Integrator** [BLM21, BW24a, BW24b, DEL21, JLQ22, KLS20, LMS22, LWZ23, NWZ22].  
**Integrators** [CS22a, DH22, Ohs23, RS21b, WZ23].  
**Integro** [LZ23, ILL23, OSV23].  
**Integro-Differential** [LZ23, ILL23, OSV23]. **Interacting** [JLL21, LWXZ22]. **Interaction** [ALOS23, DXY22, FK22]. **Interactions** [LSXY24]. **Interface** [CS22c, Guo21, SSZ23].  
**Interface-Coupled** [CS22c]. **Interfaces** [ZW22]. **Interpolation** [AK20b, Bör22,



BE24, DC24, GFSZ20, LCS24, SWH24]. **Interpolatory** [MG23, Pra20]. **Interval** [BE24]. **Intervals** [CS23]. **Invariants** [IKM22, Ohs23]. **Inverse** [ACL20, BLX20, CZZ22, GB20, GH24, Hel24, JLM22, MZ24, ZWT24]. **Inversion** [AHV22, BSWW22, CST20]. **Involution** [EG23]. **Involution-Preserving** [EG23]. **Involving** [HX20]. **Isogeometric** [BPV20, MST22]. **Isometric** [RSS22]. **Isoparametric** [LL22b]. **Itô** [GHLY23]. **Iterated** [Bör22]. **Iteration** [BN23]. **Iterations** [AHW23, BCJQ24]. **Iterative** [LX23, MPV20].

**Jacobi** [CFF20, FL21, LWX24]. **Johnson** [AW20, Led21]. **Johnson-like** [Led21]. **Joseph** [SSZ23]. **Jump** [BCT21, Hu21, Hu23]. **Jump-Diffusion** [BCT21].

**Kacanov** [BDS23]. **Kalman** [AHV22, BSWW22, CST20]. **Kármán** [CN21]. **Kawasaki** [JZ21b]. **KdV** [LWZ23, WTSZ24]. **Keller** [SX20b]. **Kernel** [CCL23, GB20, LTTF21, LCS24, MZ24, SWH24]. **Kernel-Based** [CCL23]. **Kernels** [BG20]. **Kind** [LM22b, WYZ20b]. **Kinetic** [BS22, LPW24, SGT20]. **Klein** [MCL20, BCF22, CS22a]. **Kolmogorov** [Geo21]. **Korobov** [KN23]. **Korteweg** [CDP22]. **KPP** [LWXZ22]. **Krasnosel'skiĭ** [BN23]. **Krylov** [AKM23, BCKS21]. **Kutta** [AXSZ22, BKSS24, GGHS22, OSV23, RK20, SZ20, SWW22, XSZ20].

**L2** [MG23, QW23]. **L2-Optimal** [MG23]. **L2-Type** [QW23]. **Lacking** [Pra20]. **Lagrange** [BHL24b, CSZ24, CS22b, DLZ20, KLMZ21, LWX20]. **Lagrangian** [CFF20, HX20, LMSS20, LMN23, MT20]. **Landau** [AGS21, BCJQ24, DH24, GS23, MQ23]. **Langevin** [LPW24]. **Laplace**

[BHL21, BG20]. **Laplacian** [ADS23, BDS23, BFOQ24, BLN21, CP23, CDCVV21, FKM22, FMMS23, HW22, HMO22, SST<sup>+</sup>20, SSX23]. **Large** [BDS23, BM22, CCHHK20, CHJS21, HS20, RSS22, ZW24]. **Large-Scale** [BM22, RSS22]. **Lattice** [GvR24, LYC23]. **Lavrentiev** [BGJ22]. **Law** [PS20]. **Laws** [AXSZ22, BR20a, CDW24, DMM24, FR21, FMR22, LZM<sup>+</sup>20, LLS21, SWW22]. **Lax** [LZM<sup>+</sup>20]. **Layer** [JLWZ22]. **Layered** [HN21, ZWC20]. **Layers** [BK21, ZSH20, Zha22, Zha23a, ZRZ23]. **LBB** [Sto20]. **LDG** [PCQL21]. **Leap** [JLY21]. **Leap-Frog** [JLY21]. **Leapfrog** [CHS20, CH22a, HLS23, ZN23]. **Leapfrog-Chebyshev** [CHS20]. **Leapfrog-Type** [CH22a]. **Learning** [BHYZ23, BKR<sup>+</sup>24, CL21, DGYZ22, GHLY23, GB20, HHL24, Hel24, MZ24, MR21, ZWT24]. **Least** [CCL23, DC24, GS22, Hel24, HS20, LY20, QZ20, Sto20]. **Least-Squares** [CCL23, DC24, QZ20, Sto20]. **Leffler** [KLS20]. **LES-C** [ALOS23]. **Level** [DL20b, LX23, LWX24, FA20]. **Level-Sets** [DL20b]. **Lifshitz** [AGS21]. **Lifting** [PS24]. **Liftings** [AP20]. **like** [Led21, RS21a, SST<sup>+</sup>20]. **Limit** [AF21, AHV22, BSWW22, CS22a, DEL21, DXY22]. **Limited** [MST22]. **Line** [GKN21, ZDMZ20]. **Linear** [AB24, AFB<sup>+</sup>21, BIP22, CHJS21, DHS24, DEL21, DGYZ22, FHW21, FK22, GM22, Hel24, IKM22, KD21, LMSS20, LYC23, MvdZ20, Ni21, SGT20, Sch23, SWW22, XSZ20, YLZ22, ZQ23, ZWT24]. **Linearized** [HLM22, KN20, LWX20, WTSZ24, dVDV24]. **Linearizing** [LUZ20]. **Linearly** [EPRX20, Huy22, Li20, YC21]. **Lines** [LMN23]. **Lipschitz** [AY20, HW22]. **Liquid** [BNY23, GWY22, NRY22]. **Local** [BLV20, BLN21, CFV23, DXY22, FKM22, GSZ20, JK22, KR23a, KR23b, KR23c, KV22, LZM<sup>+</sup>20, MS20, MRV23, WTSZ24, ZWC20,



ZDMZ20]. **Localization** [NT21a, Wan23]. **Localized** [GM24, MS21]. **Locally** [MSD22, YHLR22]. **Locking** [YLZ22]. **Locking-Free** [YLZ22]. **Log** [CS23, NT21b]. **Logarithmic** [Xia21]. **Logarithmic** [KK24, WYZ24]. **Lognormal** [GK24]. **Long** [BCF22, Geo21, LWZ20, WS23]. **Long-Time** [BCF22, WS23, Geo21, LWZ20]. **Loosely** [LSXY24]. **Lossy** [MST20]. **Low** [BW24a, BW24b, BCKS21, CS22a, DEL21, EHK24, JORS24, LMS22, MR21, NWZ22, RS21b]. **Low-Discrepancy** [MR21]. **Low-Rank** [BCKS21, DEL21, EHK24]. **Low-Regularity** [LMS22, NWZ22]. **Lower** [AH21, CZZ20, CP23, CHH23, GO23, Kop20]. **Lower-Order** [CHH23]. **Lower-Triangular** [AH21]. **Lowest** [Sun21]. **Lowest-Order** [Sun21]. **lumped** [DE20]. **Lumping** [ER21]. **Lyapunov** [SZ21a].

**MAC** [LS20a]. **Machine** [BHYZ23, CL21, MZ24]. **Magnetic** [BCY21, LS22, WZ21]. **Magneto** [LWX20, LWS22]. **Magneto-Hydrodynamic** [LWS22, LWX20]. **Magnetohydrodynamics** [BD23, dVDV24]. **Magnetostatic** [GGPS21]. **Main** [Hu23]. **Manifolds** [CL20, CCMP24, TS23]. **Mann** [BN23]. **Mapped** [SST<sup>+</sup>20]. **Maps** [BMS24, BPW23, GLW22, WR21, Zha23b]. **Marching** [MMD24, WTSZ24]. **Marini** [AK20b]. **Markov** [BCT21]. **Maruyama** [BJ22]. **Mass** [AP21a, AP21b, AP22, AH21, CCW22, DE20, ER21, FLM21, GLS20, TC24]. **Mass-** [FLM21]. **Mass-lumped** [DE20]. **Matched** [BK21, JLWZ22, Zha22, Zha23a]. **Matching** [ZL21]. **Material** [CDCVV21]. **Matérn** [BGNS20]. **Matrix** [AH21, BCKS21, GHM21, GLS23]. **Maximal** [AM22, KK24]. **Maximization** [CDCVV21]. **Maximum** [HG22, ILTZ20, MQ23].

**Maximum-Principle** [ILTZ20]. **Maxwell** [ACZ24, AJH23, CFV22, CFV24, Che21, DS20, ER21, GO23, GSW21, HY22, Hu21, HLTW21, LX23, MCL20]. **McKean** [HHL24]. **Mean** [BL23, CSZ24, CL21, DN21, HO20, HO24, Li21, LJL<sup>+</sup>21, OS24]. **Means** [LLMR23]. **Measurable** [BJ22]. **Measure** [Col23, PSS22]. **Measure-Preserving** [Col23]. **Media** [DL20a, FA20, Sun21, ZWC20]. **Median** [GSM24]. **Medium** [ACL20, FM21]. **Member** [Lab20]. **Membrane** [BNY23]. **Memory** [ZW20a]. **Mesh** [ACL20, CAGD22]. **Meshes** [CDG23, CJZ22, CKP23, CGP24, ER20, FLLT24, Guo21, Kam21, KM20a, Mus20, QW23, YZ20, ZW20b]. **Meshfree** [HW21, LTTF21]. **Meshless** [CL20]. **Metamaterials** [LYL24]. **Method** [AB24, AXSZ22, ALW21, ACYZ21, AKNY20, ACZ24, ADS23, ABBV23, ABCS24, AW20, BL23, BHL24a, BLY21, BZ21, BJL23, BHLZ24, BGJ22, BPP20, BDL20, BFS20, BDE21, BDE23, BHL24b, CGO20, CK20, CHKL22, CLL24, CJZ22, CCW22, CZZ20, CT21, CFV20, CDP22, CCL23, CHH23, CHSZ23, CAS23, CLR23, DHS24, DN24, DFFS22, DHM23, DSS24, DL20a, DL20b, DWW22, ER21, EH22, FA20, FL21, FLH23, FA22, FGP21, FDvW21, FMR22, FHN23, GANT20, GM22, GMP22, GO20, HZ20, HW21, HX20, HN21, HS20, HQY21, JKVY23, JLY21, JLWZ22, JSZ23, JLL21, KVM22, KK24, LL22a, LR20, Led21, Li20, LWX20, LY20, LUZ20, Li21, LAZ22, LLMR23, LX23, LWX24, ILLL23, LYL24, LL22b, LLS21, LMN23, LWXZ22, MZZ22, MU22, MRV23, Pap22, PCQL21, QS21, QW23, RS21a, SC23a, SSX23, Sto20, TC24]. **Method** [WW20, WK23, WYZ20a, WLF23, WM23, YZ20, YLZ22, ZW22, Zha23b, ZCPZ21, ZQ23, ZL21, ZW24]. **Method-of-Lines** [LMN23]. **Methods** [AM22, AY20, AB20, AH21, Avi23, BGNS20,



BCY21, BCF22, BCKS21, BCF23, BM22, BKSS24, BGHY22, BFS23, BBHT24, BS22, BPV20, BGG23, CDG23, CH22a, CWW24, CM21, CL20, CHJS21, CMZ21, CHW24, DNT22, DE22, DS20, DGYZ22, ER20, EPRX20, FLM21, FR21, FdRS24, GL24, Geo21, GPHHA20, GGHS22, GB20, GLW22, HLS23, Hal21, HG22, HJHUT20, JLZ24, KD21, KK20, KR23d, LET20, LZM<sup>+</sup>20, LWZ20, LM22b, LIL22, LZ23, LWC23, LJL<sup>+</sup>21, LS24, LRK22, LMN23, MCL20, MSD22, MKR24, Mu20, MvdZ20, NRY22, NR21, OSV23, PR22, Par20, PS21, QW20, QZ20, RK20, Sch23, SZ20, SST<sup>+</sup>20, SWW22, Tra24, WL23, WTSZ24, WX20, WB21, XSZ20, XZ22, YDS21, ZWT24, AK20a]. **Metric** [CAGD22]. **MHD** [LS22, WJS23]. **Mindlin** [FHN23, GS21]. **Minimal** [BPV20, DC24]. **Minimization** [CT21, GKMR22, MS20, MvdZ20, MRV23, TWZZ23, Tra24]. **Minimizations** [CFV23]. **Minimizers** [DH24]. **Minimizing** [BCJQ24]. **Minimum** [TWZZ23]. **Minimum-Surface** [TWZZ23]. **MINRES** [FHK22]. **Miscible** [Sun21]. **Mittag** [KLS20]. **Mittag-Leffler** [KLS20]. **Mixed** [AP21a, AP21b, AP22, AKNY20, ACZ24, BGHY22, BFS23, CM21, CFV20, CHH23, ER20, FA20, GS23, GKN21, GLS20, JKVY23, KYB23, KLMZ21, MvdZ20, MRV23, SSZ23, Sun21, WB21, ZQ23]. **Mixed-Dimensional** [KLMZ21]. **mKdV** [NWZ22]. **Mobility** [CWW24]. **Model** [BNY23, BCT21, BG20, CHH23, CDD<sup>+</sup>20, DIL<sup>+</sup>20, DHS24, FA20, FK22, GV20, GGC23, HD24, JLY21, LZ23, NRY22, Pra20, RS21a, RSS24, SSZ23, ZSH20, ZRZ23, vWR23]. **Modeling** [ALOS23, GHM21, MG23]. **Models** [AFB<sup>+</sup>21, BG20, DXY22, GHM21, KS20, Lab20, ILL23, MU22, SC23b, WLP21, XLZZ24]. **Modified** [ACW21, GSW21, ZWT24]. **Molecular** [FV23]. **Moment** [CLL24, PR22]. **Moment-Preserving** [CLL24]. **Moments** [KYB23]. **Monge** [BBHT24]. **Monolithic** [FK22]. **Monotone** [BR20a, EG22, HW22, MvdZ20]. **Monte** [TS23, CG24, FA22, GKS23, GSM24, HAST22, HZW23, KVM22, LWY23, SSX23]. **Morley** [CN21, CKP23]. **Mortar** [BGHY22, JKVY23]. **Motion** [BHL24a, EG22, FLO20, LMSS20]. **Moving** [Guo21, SJ21, vWR23]. **mpEDMD** [Col23]. **Multidegree** [HHM<sup>+</sup>20]. **MultiDerivative** [GGHS22]. **MultiDimensional** [MK20]. **Multigrid** [ABBV23, LRK22]. **Multilevel** [GHM20, HAST22, HK20, MPV20]. **Multiple** [LWX24, SSX23]. **Multiplicity** [DE24]. **Multiplier** [BHL24b, CS22b]. **Multipliers** [KLMZ21]. **Multipoint** [AKNY20, BFS23, ER20]. **Multipole** [FDvW21, ZWC20]. **Multirate** [CH22a, CS22c]. **Multiscale** [CFV20, CAS23, DHM23, JKVY23, MS21, Mai21, QS21]. **Multistage** [MMD24]. **Multistep** [DGYZ22, KD21, ZWT24]. **Multivariate** [LL22a, PU22].

**Naghdi** [KN20, NPT22]. **Narrow** [FL21]. **Narrow-stencil** [FL21]. **Natural** [WLF23]. **Navier** [CSWY23, LMR23, FLH23, GANT20, Han23, HS21, HS23, JK24, KR23a, KR23b, KR23c, KS20, LS20a, LMS22, PS22, SR20]. **Near** [WZ23]. **Nearly** [BHLZ24]. **Nédélec** [GGPS21]. **Neighborhoods** [DXY22]. **Nematic** [NRY22]. **Nernst** [TC24]. **Networks** [AN21, AY20, ABCS24, BNY23, CFF20, CLW21, CLS23, DMM24, FGK23, FMR22, HPBL21, MS23]. **Neumann** [GL24, Zha23b]. **Neural** [ABCS24, Avi23, DMM24, HPBL21, LLZZ22]. **Newton** [MU22, SC23a, TWZZ23]. **Nicolson** [AGS21, JLY21, SR20]. **Nodal** [AJ24, BPW23]. **Noise** [BJ22, CHS21, KLS20, NSD22, ND22]. **Noisy** [DSY21, bLWZ21]. **Non** [AY20, CM21, GS23, LWZ20].



**Non-Lipschitz** [AY20]. **Non-self-adjoint** [CM21, LWZ20]. **Non-Uniform** [GS23]. **Nonautonomous** [RK20]. **Noncoercive** [AKM23]. **Nonconforming** [BDE23, CKP23, WHL21, ZW22]. **Nonconservative** [KHM24]. **Nonconvex** [LWX20]. **Nondivergence** [QZ20, Spr24]. **Nondivergence-Form** [Spr24]. **Nonintrusive** [Ni21]. **Nonlinear** [AFB<sup>+</sup>21, AXSZ22, BCY21, BCF22, BW24a, BW24b, BM22, CCHHK20, CWW24, CCMP24, DRV21, DE20, EH22, FLM21, FR21, JORS24, JLWZ22, KV22, LZM<sup>+</sup>20, LUZ20, LM22a, ILL23, MvdZ20, MMD24, RK20, Sch23, WL23, WS23, Zou23]. **Nonlinearities** [HK20]. **Nonlinearity** [BCF22, BW24a, BW24b, CGN24]. **Nonlocal** [BG20, DXY22, FR21, HD24, KVM22, KV22, LTTF21, LJL<sup>+</sup>21, YZDCNC23, ZDMZ20]. **NonMatching** [BGHY22]. **Nonmonotone** [GMP22]. **Nonoverlapping** [EH22, YDS21]. **Nonregular** [BDG23]. **Nonrelativistic** [BCY21, CS22a]. **NonReversible** [SZ21b]. **Nonseparable** [Ohs23]. **Nonsmooth** [BC20, BC22, LWX20, LM22a, DGL20, LM22b]. **Nonuniform** [FLLT24, QW23]. **Norm** [CMZ21, GPHHA20, HG22, PU22, QW23]. **Normal** [BBH22]. **Normalization** [WR21]. **Note** [PU22]. **Novel** [ACZ24, HS20, LZ23, MSD22]. **Number** [BGG23, GH24, JLWZ22, Lab20, NH20, ZW24]. **Numbers** [ALOS23, HS20]. **Numerical** [AHW23, ABCS24, ADBP22, BMS24, Bar20, BCT21, CL21, CDCVV21, CLR23, CCMP24, DDO20, DK23, FGOS20, FGP21, FR21, GP22, GWY22, GK24, HY22, HN21, HD24, JLZ24, KHM24, LL22a, LZM<sup>+</sup>20, LS22, LM22b, LYC23, MO21, OS24, Pap22, PS22, Rub20, SV24, SW23, WL23, WS23, ZRZ23, ZW20a, ZW20b, ZL21]. **Nystrom** [FA22]. **Observable** [FV23]. **Observation** [MST22, ZZZ22b]. **Obstacle** [HY22]. **ODEs** [AB24, CH22a]. **One** [DFFS22, GPHHA20]. **One-Equation** [DFFS22]. **One-Stage** [GPHHA20]. **Operator** [AKM23, CGR20, EW21, HJHUT20, KV22, LWWW22, MS23]. **Operators** [BKR<sup>+</sup>24, EG23, FP20, FH24, GNS20, GNÖ23, Kar21, LR20, LWZ20, LWX24, LRK22, WD24, WM23]. **Optimal** [AP21b, ACL20, AGS21, BW24b, BPW23, BHYZ23, BFOQ24, BDG23, CC23, CSWY23, CCW22, CN21, CM21, CP23, CLR23, CDD<sup>+</sup>20, CDW24, DH21, FLO20, GL24, GS23, GO21, HZ20, HG22, HJHUT20, KRS<sup>+</sup>21, LSTY21, LSXY24, LS24, MSD22, MU22, MST22, MG23, MSS20, Otá22, ST22, WS23, WSH20, XLZZ24, ZW20b]. **Optimal-Order** [MSS20, ZW20b]. **Optimality** [CSSS23, GFSZ20, KSG23, Otá22, SWH24]. **Optimization** [CAGD22, GZ21, GLS23, HW21, LWY23, LYC23, Pap22, Par20, SZ21a]. **Optimized** [BJMO22, DH21, DNT22]. **Options** [DLZ20]. **Order** [AF21, AB24, AXSZ22, AJ24, ARSY20, AK20b, AH21, BL23, BKSS24, BG20, BDE21, BDE23, CH22a, CSZ24, CM21, CGN24, CHH23, CG24, CDW24, DIL<sup>+</sup>20, DRV21, DE22, DHM23, IDzSW22, DWW22, ER20, ER21, EW21, EG23, EG22, FR21, FdRS24, FHK22, GvR24, GS22, GAJN23, Gaw20, GNS20, Gla20, GGHS22, GMP22, HKYY21, Han23, HS21, HS23, KS20, KLS20, LET20, LUZ20, LWC23, ILTZ20, ILL23, LJL<sup>+</sup>21, MZZ22, Mai21, MNO21, MG23, MSS20, Mus20, NSD22, OS24, Pra20, QZ20, SJ21, SC23b, SR20, Sun21, Tra24, WK23, WYZ24, XSZ20, ZW22, Zha23a, ZW20a, ZW20b, ZDMZ20, ALW21, CT21, DE20, FLM21, Li21, WZ20]. **Oriented** [VL23]. **Orthogonal** [CS23, GO20, KRS<sup>+</sup>21, LS20b, NR21, Xia21]. **Orthogonalization** [CCW21]. **Oscillation** [LLS21]. **Oscillation-free** [LLS21].



**Oscillator** [CHJS21]. **Oscillatory** [AB24, WZ23]. **Oseen** [ABB<sup>+</sup>21, BGG23, KK20]. **Outer** [BBH22]. **Oversampling** [DC24].

**P** [CCMP24]. **P-** [CCMP24]. **Parabolic** [BR20b, BW20, BJMO22, DRV21, GL24, GO21, GPHHA20, Guo21, HS24, HK20, JKVY23, JZ21a, KM20a, Kop20, LSTY21, LWZ20, LUZ20, LAZ22, LWC23, vWR23]. **Parameter** [BIP22, KR20]. **Parameter-Errors** [BIP22]. **Parametric** [BZ21, BJL23, CL24, GHM20, JSZ23, Li20, LLZZ22, Pra20]. **Parametrized** [BG20, RSS22]. **Parareal** [BW20, BJMO22, GW20]. **Part** [AP21a, AP21b, AP22, KR23a, KR23b, KR23c]. **Partial** [EEST22, GHM20, LL22a, MS23, OS24]. **Particle** [FGK23, HLS23, LWXZ22, WZ21]. **Particles** [JLL21]. **Parts** [EW21, GNÖ23, RN20, WD24]. **Patch** [LY20]. **PDE** [GO21, GZ21, HW21, LS20b, NT21b, vWR23]. **PDE-Constrained** [HW21, GZ21]. **PDEs** [BBC<sup>+</sup>24, BW20, CM21, CL20, FHK22, KLMZ21, LL22b, SST<sup>+</sup>20]. **Penalization** [CDP22]. **Penalty** [BC20, DN24]. **Penalty-Free** [DN24]. **Perfectly** [BK21, JLWZ22, Zha22, Zha23a]. **Perform** [SJ21]. **Peridynamics** [CCMP24]. **Perimeter** [JSZ23]. **Perimeter-Decreasing** [JSZ23]. **Periodic** [AB20, BLX20, HN21, HS21, KKS20, PS21, ST22, YHLR22, Zha22]. **Periodization** [BGNS20]. **Periodization-Based** [BGNS20]. **Perturbed** [CK20, KR23d]. **Petersson** [Pap22]. **Petrov** [BS22, CJZ22, FHN23, MvdZ20, MMD24]. **Phase** [CGO20, CDCVV21, GKMR22, Kar21, MO21]. **Phase-Field** [Kar21]. **Phenomenon** [FM21]. **Physics** [DMM24]. **Picard** [HK20]. **Piecewise** [WHL21]. **Pitaevskii** [CLLZ24, HP20]. **Pixel** [BH21].

**Pixel-Driven** [BH21]. **Planar** [NT21b, SJ21]. **Planck** [BS22, LLZZ22, TC24, WW20]. **Plane** [DN23, IG21]. **Plate** [GS21, RSS24]. **Plates** [FHN23]. **PML** [LZ23, WYZ20a, YHLR22]. **POD** [GAJN23, KS20, MU22, Rub20]. **POD-ROM** [Rub20]. **POD-ROMs** [GAJN23]. **Point** [BC22, BN23, EPRX20, GVMRBV23]. **Points** [AXSZ22, DH20, DNT22, JZZ24, OP24]. **Pointwise** [BLV20, DRS24, HW22, Han23, KRS<sup>+</sup>21, KR23d, KM20b, Sch23]. **Poisson** [BCF23, CGP24, CMZ21, DDO20, GKN21, LY20, PSS22, TC24]. **Pollution** [ZRZ23]. **Polygonal** [CDG23, CKP23, GHM20]. **Polygons** [FMMS23]. **Polyhedra** [BLV20]. **Polyhedral** [CDG23]. **Polymer** [BNY23]. **Polynomial** [AP20, BE24, FLO20, GGPS21, NT21a, PS24]. **Polynomial-Degree-Robust** [GGPS21]. **Polynomials** [DH20, GO20]. **Polytopal** [YZ20]. **Population** [JZ21b]. **Poroelectricity** [BFS23, GVMRBV23]. **Porous** [DL20a, FA20, FM21, Sun21, ZSH20, ZRZ23]. **Posed** [GS22, GB20]. **Posedness** [FMR22, ZSH20]. **Positive** [CLL24, GPR20, IKM22, WJS23]. **Positivity** [FHW21, HLTW21, Kar21, TC24]. **Positivity-Preserving** [FHW21, HLTW21]. **Posteriori** [BW22, BBH22, CDG23, CGN24, CFV22, CFV23, CFV24, CGP20, DRV21, DMS21, Gal21, GGPS21, KK20, KR23d, KM20b, WL20, dVCN<sup>+</sup>23]. **Potential** [BCY21, BW24a, BW24b, ZZZ22b]. **Preconditioned** [LX23, LWX24]. **Preconditioner** [Hu21, Hu23, ST22, TWZZ23]. **Preconditioners** [AJ24, AKM23]. **Preconditioning** [AP22, HJHUT20, MST22]. **Preintegration** [GKS23, LO23]. **Prescribed** [BHL24a].



**Presence** [CRR24]. **Preservation** [Ohs23]. **Preserving** [BZ21, BPS22, CLL24, CWW24, CHJS21, CS22b, Col23, CDW24, DHS24, EHK24, EG23, FHW21, GV20, GGHS22, GPR20, HLTW21, IKM22, JSZ23, JZ21b, ILTZ20, LWXZ20, MQ23, PR22, SX20b, TC24, WL23, WD24, WB21]. **Pressure** [ABB<sup>+</sup>21, KR23c, KS20, LR20, SR20]. **Pressure-Robust** [ABB<sup>+</sup>21, LR20]. **Primal** [CWW24, WW20]. **Primal-Dual** [WW20]. **Principle** [ILTZ20, MQ23]. **Principles** [CHJS21]. **Priori** [CP23, CGP24, FGP21, MS20]. **Probabilistic** [YZZ20, YZDCNC23]. **Probabilities** [HAST22, WLP21]. **Problem** [AP24, BLY21, BLV20, BGJ22, BHYZ23, BDE23, CGO20, CK20, CFV23, CMZ21, CLLZ24, CGP20, CRR24, DH21, DN24, DMS21, DE22, DDO20, GKN21, HP20, HW21, KM20a, LR20, Pap22, SC23a, Spr24, WL20, WHL21, vWR23]. **Problems** [ALOS23, ACL20, AHW23, ACZ24, AJH23, BIP22, BC22, BJMO22, CC23, CT21, CGN24, CZZ22, CL24, CAS23, CLR23, CS22c, DH21, DFFS22, DRV21, DHM23, GW20, GL24, GGPS21, GPHHA20, GB20, GMP22, Guo21, GH24, Hal21, Hal22, HMO22, Hel24, HL23, HY22, HT20, Hu23, HPBL21, JLM22, JZ21a, KVM22, LSTY21, LX23, MS21, Mai21, MU22, MST20, MZ24, Mu20, MvdZ20, MMD24, NH20, Pra20, RK20, SWW22, TWZZ23, Tra24, WL23, WYZ20a, WX20, WLF23, Zha22, Zha23a, ZCPZ21]. **Procedure** [BPV20]. **Process** [PSS22]. **Processes** [BJ22, KYB23]. **Progressive** [ARSY20]. **Projection** [AGS21, Avi23, DST21, DRS24, NRY22, Rub20, TC24, Xia21]. **Projection-Based** [Rub20]. **Projection-Free** [NRY22]. **Proof** [EPRX20, HQY21]. **Propagation** [GW20, JK22]. **Proper** [KRS<sup>+</sup>21, LS20b, NR21]. **Properties** [GFSZ20, GGHS22, HHM<sup>+</sup>20]. **Property** [CSSS23, PCQL21, dVCN<sup>+</sup>23]. **Provably** [WJS23]. **Proximal** [BC20]. **Pseudo** [AH21]. **Pseudo-Mass** [AH21]. **Pseudoinverse** [EW21]. **Pseudospectral** [SV24].  
**Quadratic** [BIP22, CGN24, Ohs23]. **Quadratically** [EPRX20]. **Quadrature** [Gla20, GHM20, Huy22, KSG23, LM22a, SJ21, SC23b, WM23]. **Quantification** [DE24, KKS20]. **Quantum** [FV23]. **Quantum-Classical** [FV23]. **Quasi** [BPW23, GFSZ20, GKS23, GSM24, HZW23, IG21, KM20a, LYC23, ST22]. **Quasi-Graded** [KM20a]. **Quasi-Interpolation** [GFSZ20]. **Quasi-Linear** [LYC23]. **Quasi-Monte** [GKS23, GSM24, HZW23]. **Quasi-Optimal** [BPW23, ST22]. **Quasi-Trefftz** [IG21]. **Quasilinear** [DH22, GMP22]. **Quasilinearization** [WJS23]. **Quasiperiodic** [JZZ24, JLZ24]. **Quotients** [KRS<sup>+</sup>21].  
**Radial** [Hal21, Hal22, HO24]. **Radiation** [GPR20]. **Radiative** [GP22, GV20, LWY23]. **Radon** [BH21]. **Random** [BLX20, CCW22, JLL21, KKS20, LWXZ20, PSS22, SX20a, SSZ23]. **Randomized** [DC24, HZW23]. **Rank** [BCKS21, CLS23, DEL21, EHK24, GLS23]. **Rank-1** [GLS23]. **Rank-Adaptive** [CLS23]. **Rapidly** [MO21]. **Rare** [WLP21]. **Rate** [AY20, BN23, BO20, BCT21, BDG23, EPRX20, HZW23, MS20, WS23]. **Rate-Independent** [MS20]. **Rates** [BR20a, CN21, CM21, CP23, GB20, KR23b, KR23c, LPW24, WSH20, Xia21]. **Rational** [BCKS21, HHT23, Pra20]. **Reaction** [AHW23, AY20, CK20, FGK23, HZ20, KR23d, LWWW22, MST22, Mus20]. **Real** [ZDMZ20]. **Reciprocal** [NT21b]. **Reciprocal-Log** [NT21b]. **Reconstructed** [LY20]. **Reconstruction** [BdBEO21, CFV23, LR20]. **Recover**



[JZZ24]. **Recovery** [KS20, PU22]. **Rectangular** [CJZ22]. **Rectifier** [AN21]. **Reduced** [AFB<sup>+</sup>21, CDD<sup>+</sup>20, DIL<sup>+</sup>20, KS20, MG23]. **Reduced-Order** [KS20, MG23]. **Reducing** [ALOS23]. **Reduction** [AHW23, BG20, Pra20]. **Regge** [Gaw20]. **Regime** [BCY21, CS22a, DH24]. **Regression** [BC20]. **Regular** [Hu21]. **Regularities** [Xia21]. **Regularity** [AM22, BW24a, BW24b, CS22a, CL24, HW22, HZ20, JORS24, Kam21, KK24, LMS22, NWZ22, RS21b]. **Regularization** [CST20, GFSZ20, GB20, KR20, LSTY21, WSH20]. **Regularized** [CZZ22, FGK23, HL23]. **Reissner** [FHN23, GS21]. **Relation** [WD24]. **Relativistic** [HLS23]. **Relaxation** [BJMO22, Zou23]. **Relaxed** [BDS23]. **Remap** [VL23]. **Renormalized** [GLW22]. **Reproducing** [LTTF21, SWH24]. **Residual** [BM22, DMS21, MvdZ20, MRV23]. **Residual-Based** [DMS21]. **Resolution** [HHT23]. **Resonance** [Hal21, Hal22]. **Resonances** [ZL21]. **Response** [Ni21]. **Results** [CS23, Hu23, KV22]. **Retarded** [AB20]. **Revisitation** [EW21]. **Reynolds** [ALOS23, BGG23, Lab20]. **Ribbons** [Bar20]. **Ridge** [HO20]. **Rigorous** [HN21, PCQL21]. **Ritz** [DRS24]. **RKHS** [KN23]. **Robin** [DH21, EH22]. **Robust** [ABB<sup>+</sup>21, AFB<sup>+</sup>21, AKM23, CFV23, CHH23, FH24, GGPS21, KK20, LR20, MST22, MPV20, Mu20, dVDV24]. **ROM** [Rub20]. **ROMs** [GAJN23]. **Rotating** [ALW21, MO21]. **Rotation** [BFS23]. **Rotation-Based** [BFS23]. **Rough** [DK23, LLMR23, LWZ23]. **Rounding** [MK20]. **Rule** [BHLZ24, KSG23]. **Rules** [ACW21, Gla20, Huy22, KR20]. **Runge** [AXSZ22, BKSS24, GGHS22, OSV23, RK20, SZ20, SWW22, XSZ20].

**Saddle** [GVMRBV23, LZCZ22, ZZZ22a]. **Saddle-Point** [GVMRBV23]. **Sample** [ABCS24]. **Sample-Wise** [ABCS24]. **Sampling** [BGNS20, HZW23, PU22, SZ21b]. **Satisfying** [FdRS24]. **SAV** [FLM21, JLQ22, LS20a, LWS22]. **SAV-Exponential** [JLQ22]. **Scalar** [AXSZ22, CLR23, Hal21, Hal22, IG21, LZM<sup>+</sup>20, LLS21, PS20]. **Scale** [BM22, RSS22, RSS24, WZ23]. **Scaling** [Hal21, Hal22]. **Scattered** [Gla20, LCS24]. **Scattering** [ACL20, BLX20, BLY21, MZ24, WYZ20a, YHLR22, Zha22, Zha23a]. **Scheme** [AP22, ADBP22, BDS23, BJ22, BD23, CG20, CFF20, CSZ24, DN21, EG22, FV23, FK22, GV20, GWY22, GGC23, HKYY21, Han23, HS23, HLTW21, JZ21b, LS20a, LSXY24, ILTZ20, LWWW22, LMR23, MQ23, MT20, Met21, MMD24, NSD22, WYZ24, YZZ20, YZDCNC23, YC21, Zou23]. **Schemes** [AF21, AFB<sup>+</sup>21, ACM24, AGS21, ABBV23, BR20a, BCT21, CSWY23, CCHHK20, CHS20, CS22b, CCMP24, CDW24, DGG20, DE20, IDzSW22, HS21, HD24, HS24, IKM22, JLQ22, KHM24, LWS22, LWXZ20, MS20, PS22, SBL22, SZ21b, SX20b, WZ20, WZ21, WZZ22, WJS23, ZEG20]. **Schrödinger** [BMS24, BW24a, BW24b, FLM21, GM22, JORS24, LAZ22, ST22, WYZ24, Zou23]. **Schur** [SC23a]. **Schwarz** [BJMO22, DH21, Par20, RS21a, YDS21]. **Science** [GP22]. **Scott** [NO21]. **Scrambled** [OP24]. **Screening** [RS21a]. **Screens** [HJHUT20]. **SDEs** [FdRS24, PSS22]. **Secant** [BM22]. **Second** [AB24, ALW21, CH22a, CM21, IDzSW22, DWW22, ER20, ER21, EW21, EG22, FR21, FHK22, GNS20, HS23, LUZ20, LM22b, ILTZ20, ILLL23, MNO21, Mus20, OS24, QZ20, SR20, WK23, WYZ20b, ZDMZ20]. **Second-Order** [AB24, CH22a, CM21, IDzSW22, ER20, ER21, FR21, FHK22, HS23, LUZ20, ILTZ20, ILLL23, MNO21, Mus20, OS24, QZ20, ZDMZ20, ALW21].



**Segel** [SX20b]. **Segments** [BE24]. **self** [CM21, LWZ20]. **Semi** [BR20b, CFF20, CS23, LMS22]. **Semi-implicit** [BR20b, LMS22]. **Semi-Infinite** [CS23]. **Semi-Lagrangian** [CFF20]. **Semicoercive** [dDFH23]. **Semiconductor** [DHS24]. **Semidiscrete** [BL23, Li21, QW20]. **Semiexplicit** [Ohs23]. **Semigroups** [Col22]. **Semilinear** [AHW23, BLM21, BW20, CH22a, CGN24, HK20, Kop20, KM20b, LLMR23, MU22, OSV23, Otá22, WZ20, YZDCNC23]. **Seminegative** [SWW22]. **Sequences** [MR21]. **Sequential** [ACM24, BM22, LY20]. **Serre** [ADM17, ADM21]. **Sets** [DL20b, Huy22]. **Setting** [DDO20, GK24]. **Shadowing** [Ni21]. **Shallow** [ALW21]. **Shape** [GZ21]. **Sharp** [BO20, HM22, Kam21]. **Sharper** [BV22]. **Shielding** [HY22]. **Shifted** [DWW22]. **Shigesada** [JZ21b]. **Shortening** [JSZ23, Li20, YC21]. **Sign** [CLR23]. **Signorini** [AP24, BFS20]. **Simplex** [WX20]. **Simplex-Averaged** [WX20]. **Simplicial** [AKNY20]. **Simplified** [MU22]. **Simulation** [Bar20]. **Simulations** [JLY21]. **Sinc** [WZZ22, ADS23]. **Sinc-** [WZZ22]. **sinc-Galerkin** [ADS23]. **Singular** [BHLZ24, BR20b, CGR20, DDO20, FHK22, SC23b, WM23]. **Singularities** [HHT23, HX20]. **Singularity** [BHLZ24]. **Singularly** [CK20, KR23d]. **Six** [ACYZ21]. **Six-Step** [ACYZ21]. **Size** [ACL20]. **Skeletal** [CZZ20]. **Slab** [ZL21]. **Slits** [ZL21]. **Slow** [DL20a]. **Smallest** [Kam21]. **Smooth** [AXSZ22]. **Smoothing** [BC20]. **Smoothness** [AN21, KSG23]. **Snapshots** [GAJN23, MU22]. **Sobolev** [CLLZ24, DST21, HP20, SWH24]. **Solution** [CL21, FP20, GAJN23, HMO22, LL22a, LS20b, SW23]. **Solutions** [AXSZ22, AB20, CZZ22, DMM24, FL21, Kop20, LS22, LM22b, MSS20, SX20a, WS23]. **Solver** [MPV20, YHLR22]. **Solvers** [LRK22, NT21b]. **Solving** [BBC<sup>+</sup>24, BM22, Guo21, LZ23, MZZ22]. **Some** [FLLT24, SZ21a, WZ21]. **Sonic** [AXSZ22]. **Source** [CZZ22, GH24, MZ24, SC23b]. **Sources** [DDO20, GKN21, ZWC20]. **Space** [BPS22, BHL21, BDE23, DRV21, GM22, GMMP24, GMSZ22, HKYY21, JKVY23, JLM22, LSTY21, Led21, LY20, LS24, WL23, ZW20a, ZW20b]. **Space-fractional** [ZW20b]. **Space-Time** [BPS22, BHL21, BDE23, DRV21, GM22, GMMP24, JKVY23, LSTY21, LS24, ZW20a]. **Spaces** [DC24, FH24, GNÖ23, Guo21, KN23, MvdZ20, SWH24, WSH20]. **Sparse** [FP20, GO20, KVM22]. **Spatially** [FM21, HQY21]. **SPDEs** [BDG23]. **Species** [JLL21]. **Spectral** [AB24, ACZ24, BCF23, CLL24, DWW22, GB20, GO20, HZ20, HQY21, LAZ22, LLMR23, MSD22, MS21, PR22, SST<sup>+</sup>20, Wan23, WR21, Xia21, YDS21, Zha23b, ZQ23]. **Spectral-Galerkin** [SST<sup>+</sup>20]. **Spectrally** [EG23]. **Spectrum** [GNS20, WD24]. **Speeds** [LWXZ22]. **Sphere** [bLWZ21]. **Spline** [LL22a]. **Splines** [HHM<sup>+</sup>20]. **Splitting** [BCY21, BCF22, CSSS23, FV23, FdRS24, HS23, LWWW22, LMR23, WZ21]. **Squares** [CCL23, DH20, DC24, GS22, Hel24, HS20, LY20, QZ20, Sto20]. **Stability** [AP21a, BK21, CGO20, DST21, GGHS22, HM22, HQY21, HS21, HS23, IKM22, KV22, LWS22, LIL22, PCQL21, Pra20, QW23, RK20, SV24, Sch23, SBL22, SWW22, WL23, YZZ20, ZDMZ20, AK20a]. **Stability-enhanced** [PCQL21]. **Stability-Preserving** [WL23]. **Stabilization** [ABB<sup>+</sup>21, AHV22, BPV20, CHW24, LUZ20, dVCN<sup>+</sup>23]. **Stabilization-Free** [dVCN<sup>+</sup>23]. **Stabilized** [NR21, Rub20]. **Stabilizer** [YZ20]. **Stable** [AP20, BPW23, BS22, CSWY23, DWW22, EHK24, FHW21, Gla20, GWY22, HLTW21,



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