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Title word cross-reference

\[ (0, \infty) \] [MM03]. \[ (t, s) \] [HY00]. 1
[Bre05, KGDD05, VVD06]. \[ 1 - d \] [Neg08]. 2
[BH08, EHL07, HL02, Kop08, Sch02a, vdB07]. \[ 2 \times [2] \] [ADB08]. 3
[BBM01, Deu07, EHL07, Med07, Sar03]. \[ \rho \]
[Geu04]. \[ A^\alpha, \log(A) \] [HHT08].
[B]. \[ \Gamma \] [ABFM04]. \[ \gamma = 3 \] [Vas01]. \[ H \]
[AD00]. \[ \ell \] [W08]. \[ \ell \] [FS09]. \[ \epsilon \] [LR02].
[DJLT09, dVNS07]. \[ C^1 \]
[DS02, SBM01, Zor00]. \[ C^2 \] [AS05b]. \[ C^* \]
[LLF01]. \[ P^* + 1 - S^k \] [Daw02]. \[ \gamma \] [Woh05].
[Cq1]. \[ C_1 \] [AD00]. \[ \ell \] [W08]. \[ \ell \] [FS09]. \[ \epsilon \] [LR02].
[ABFM04]. \[ \gamma = 3 \] [Vas01]. \[ H \]
[CW08a, TV05, GS07, GZ09, BHL03]. \[ H^1 \]
[Bre03, CKR08, PF02]. \[ H^1(P^k) \] [VVD06].
[LLF01]. \[ C_q \] [KT03]. \[ Q \] [Xu00b]. \[ Q \] [MNS09, NS01].
[Q_{k+1,k} \times Q_{k,k+1} \] [Zha09]. \[ r \] [PW09]. \[ R^3 \]
[XH05]. \[ R^3 \] [EJR08, Sze04]. \[ R^* \] [Cao07]. \[ R^* \]
[HSW05]. \[ u_t = \text{div}(\sigma(Du) + Du_t) \] [CD04].
[Q] [UY00]. \[ W \] [SW02]. \[ Y \] [Egg08].
[GS07, GZ09, Mer08]. -Approximation
[GP09]. -Box [BHL03]. -Coercive [VVD06].
- Conforming [BH09]. - Continuity [Zor00].
- Convergence [ABFM04, Rod07]. - cycle [Woh05]. - D [Bre05, Sar03]. - Entropy [LR02]. - Error [ELS’02, Mer06, WJ08].
- Estimators [PY04]. - FEM [Beu02]. - Finite [Hel09]. - Galerkin [PF02].
- Harmonic [BBFP07, VO02]. - Interpolation [BH09]. - Laplacian [DK08b, Ju00, LY01b, LY02a]. - Methods [SW04a]. - Minimization [FS09].
- Nonconforming [PS03]. - Scale [Egg08]. - Sequences [HY00]. - Series [BB00]. - Smooth [PW09]. - Stability [LWW00, JY09]. - Structure [DER07].
- Version [AC03, BG01, Guo06, LS07a, Guo09]. - Widths [KS01a].

1 [Guo06].

2002g [DGS03].

39 [DGS03].

Absolutely [BG04a]. Absorbing [AMR02, AMR03, CW03b, NT02, Sze04]. Accelerated [AG09]. Acceleration [BB09, LW03, Ovt03b, Van05].

Accelerations [GH03]. Accuracy [DGH02, ETW08, ELL03, GL01, RW05, Sim05, SL99, ST03, Xu00b, Zho01, DIF00].

Accurate [BL09, Dos04, JPT00, PR00].

Acoustic [BG05, CE09, JRW02, MMS03]. Acoustics [ADZ09, BDL06, BDRS00].

Action [RS00]. Active [HO09]. Acute [KK01]. Adaptation [CCGHR03].

Adapted [BKT09]. Adaptive [Aza02, BMN02, Bar04, BHS08, CU05, CET09, CLT05, CKNS08, CD01, CW03b, CL05b, CD03, CHR04, DD02, DL05, DD07, DK08b, EP08, ELM00, GG09, HKW09, HKY00, KP07, KS08a, KS01b, Lam05, LMPQ04, MS02, MN05, MS09, MSTZ08, MNS00, PS05, Sta07, Ste03, Ste05, TT03, WZ07]. Additive [An05, BN07, CD03, DJ02, FK01, FS01, Hig06, Jay07, MRT02b].

ADI [BL00]. Adjoint [GM01, Har07, Lar00, MT04, Ait05].

Adjoint-Based [MT04]. Adjustment [HH09]. Advection [AM09c, BGP05, BZ06, Bur09, Des04, Des09, DL02, GH07, LBD03, Mer08, MPP03, DEG08, San00a, San03, TF04, Wan00, WSE01, ZLAT09].

Advection-Diffusion [DL02, LBD03, MPP03, San03, Wan00, ZLAT09].

Advection-Diffusion-Reaction [AM09c, BZ06]. Advection-Dominated [San00a]. Advection-Reaction [Bur09, WSE01]. Affine [AR02].

Affine-Approximate [AR02]. Age [Aya00, AD02]. Age-Dependent [Aya00]. al. [AK09]. ALE [BC06a]. Algebraic [AG06, BB09, Bos07, FV04, FS01, Ger08, JW00a, JW00b, KK09, KMS05, SV05, Sch02a, Van05]. Algorithm [BMZ09, BDW99, IC00, Chu00, DW09, DEJ06, EJR08, GPD04, GKK03, HSW05, Kim08a, KT09, KRW08, LWW02, MR07, Neg08, Per09, Per02, RF03, Sar03, SH08, TW00, TWB07, Tid02, UY00, ZY07].

Algorithms [AG03, Bac06, BR09b, BGMV08, ByS06, Che02, CN01, DLP05, DG00, DMW01, Du01, Fen00, FR08, GKK03, HSW05, Kim08a, KT09, KRW08, LWW02, MR07, Neg08, Per09, Per02, RF03, Sar03, SH08, TW00, TWB07, Tid02, UY00, ZY07].

Alternating [BF09a, PFF08]. Alternative [BMPT09]. American [ALY01, HW03, sQlXsJjB05, WZ08].

Ampère [FN09a]. Anal [DGS03]. Analysis [AG00, AC00b, AMR03, ADF09, Arb04, ABCM02, AKW05, BTW03, BC06a, BS07, BMN04, BY00a, Bar09a, BK02, BJ070, Bel00b, BDRS00, BNV06a, BNV06b, BRLM03, BMMS05, BMN05, BD07, BB09, BG04b, BJ02, Bos07, BIMV08, BHS06].
Analysis [LS06b, LS09, MG03, Man06, MTW03, MPPS02, Mao99, NS09, NS01, Nat07, OD09, OR04, PJ01, PJ02, Per02, PZ04, Pon07, Re03, Ris01, RC01, RV06, San00a, San00b, SV08, SW04b, SW07, SE05, SD09, SS00c, ST03, TT00, THBS09, Tid02, Van05, VVD06, Wet00, WD00, XT06, YA05, Zha08, Zho01, Zor00, dVNS07, vdVIB07, Dar00, KL06].

Analytical [FDFD09, HV06, RW05].

Anomalies [ZLAT08].

Assessment [AD99, AD00, DL08b].

Arclength [DKIK07].

Arbitrary [AR08b, AM08, Cod09, DDO07, Dic08, FQ00, KMS05, LMR02, SGNW05].

Archimedes [Kup06a].

Approximability [BG01].

Approximants [KM05].

Approximate [AR02, BWW08, Bue07, FLL+06, GHV00, IK08, IKT01, Per09, RBX08, RS00, ThT00].

Approximated [HR07].

Approximation [ADGK03, BG01, BC06a, BJ05, BB01, BGS03, BNS04, BW06, Bar04, Bar05a, BA09b, BJ0700, BY00b, BHL03, BZ02, BG04b, BMZ09, BH05b, BP06b, BM02, CG00, Car05, CZZ06, CW08c, CH07, Cod09, CP08, DS02, DDE05, DH07, DL05, Des04, DL09b, DG01, DZ02, DU08, EL08, EM03, EL07, EHR07, FK01, FL03, GR09, GH05, GP09, GS05, Gun03, GM00b, GU06, Guo09, HB00, Hau02, Hau08, HS05, HRW01, HPS04, Ju00, KD06, KP03a, Kaw08, KS09, Le01, Lin07, LW00b, LS06b, LL06, Mer08, MG03, MSTZ08, Nic01, NS01, OS07, PR00, PJ02, PS04, PW09, Pro08b, Rin09, RWH01, RS06, RHA03, SW05a, SW07, SL06, Thi08, Wol00, Xu00b, Xu00a, XLC02, XTH07, DGS03].

Approximations [AADL07, AR08b, AAL09, AGW04, Arm01, BT02, BFP08a, BK02, BFP08b, Ber04, BHD06, BJ03, Bur09, CFE00, CH02, DRO8, DCM00, DNH00, DGLH04, EK00, ELW02, Fen06, Fer03, FG09, GKK03, HT02, JRM02, JLM08, KP07, KP09, KP04, Lar04, Lep00, LL00, LM07, MS08, Mic02, MG05, NPSK07, SW03, ST07, SS00b, SEL09, Ste04, TK01, TV05, WY01, WY03, ZA04, Dem06].

Arisen [Bel00a].

Arising [AR08b, AM08, Cod09, DD07, Dic08, FQ00, KMS05, LMR02, SGNW05].

Arclength [DKIK07].

Area [SS00c].

Area-Preserving [SS00c].

Arisen [Bel00a].

Arising [AR08b, AM08, Cod09, DD07, Dic08, FQ00, KMS05, LMR02, SGNW05].

Archimedes [Kup06a].

Arclength [DKIK07].

Area [SS00c].

Area-Preserving [SS00c].

Arisen [Bel00a].

Arising [AR08b, AM08, Cod09, DD07, Dic08, FQ00, KMS05, LMR02, SGNW05].
Arterial [QVZ01]. Artificial [BIR09, WZ08]. Aspect [AC00a, Cao05, Ovt03a]. Aspects [HL02]. Assisted [BPS09]. Assumptions [CH02, LPWE05]. Asymmetric [Vic04]. Asymptotic [ADBN08, BSC07, CCZ02, DLV08, Des09, FLL+06, Gug01, Hig00, Sch00, WSD05, Dar00]. Asymptotically [BX03a, BX03b]. Asymptotics [BBC08, Peh09]. Asynchronous [LMPQ04]. Attenuated [XTH07]. Attraction [Gr¨u03]. Attractors [Gr¨u03]. Augmentation [CWX09b]. Augmented [Dos05, Gui03, SV02]. Backprojection [RF03]. Backward [BF09a, DK99a, LS06a, MSZ08, MP02a, PYD06]. Balance [BB09, CGLGP08, LRR00]. Balanced [CGLGP08, GT03, Nout01]. Balls [HX00]. Banach [BGMV08, CU05, CP03, SGM01, YZ07, YH06]. Bandlimited [ST06]. Barrier [Aza02, SV05]. Barriers [Gug01]. Base [Gib04]. Based [AR08a, AS05b, AA08, ABV06, Bea04, BR09b, BZ06, CZ09, Car02, CEJS02, CGH05, CN02, DZ09, DL06, DG00, Du01, DE08, ELL02, FN09a, GL00, HW09a, He03, HK09, IK07, IK08, KM06, LS06a, LF99, LW04, LCNY08, LO09, MT04, NZ04, NJN07, Par01a, Pro08a, RWG01, Sch07, SLS09, Sto09, THBS09, WK01, XY07, Yu06]. Bases [DGH02, LS05, Ste07]. Bashforth [HS07a]. Basis [CTU09, Dep08, JK09, KDW08, PD05, SWL09]. BDDC [Kim08a, KDW08, KT09, LW06a]. BDF2 [Hun01]. BDFM [AP02]. Be [AK09, Beb07]. Beam [AS05a, HO99]. Beams [CSS06]. Bean [EKS04]. Beaver [GR09]. Behave [dp07]. Behavior [AW09, Da08, LL06]. Bellman [BJ05, CJ09, WF08]. Beltrami [DD07, GK08]. Bel’tyukov [SV00]. BEM [GH00, GHS03, HM06, MGP00, MS00b, Say09]. Bending [ACPC02a, XLC02]. Bernoulli [AS05a]. Besov [BG01, Guo06]. Best [CYN00, Ker00]. between [DJ05a]. BFGS [LF99]. Biased [RS04]. Bidomain [EB08]. Bifurcation [BJJ02, GKS00]. Bifurcations [DGK03, KGD05]. Biharmonic [BACCF09, DP00, Tha00]. Bilaplacian [BBK01]. Bilinear [RS04]. Binary [DL05]. Bingham [LV04]. Binomial [JD04, sQIXsJy05]. Biological [BGR02]. Biot [KS05]. Bivariate [DS02, DFK00, GS00, LS09]. Black [Che00, HW03, KN00]. Blends [Hun01]. Block [BL00, Dos04]. Block-Grid [Dos04]. Blood [QVZ01]. Boltzmann [AM06, BB09, CHX07, JY09, PR00, Rin00, RSZ01, Rin03, RW00, RW07]. Boolean [LZ07]. Bounded [DGK03]. Borsuk [FL05]. Bose [BW07]. Bottom [ADZ01]. Bound [BM06, Dep08, Dos05]. Bound-Constrained [BM06]. Boundary [Abg03, ADZ01, AMR02, AMR03, AGH00, AA08, ADZ09, AKW05, Bea04, Ber04, Ber02, BHN02, CS02, CW08, CX08, CWL07, Con09, DKS02, DMC00, Dos04, EP08, EL07, FGNQ02, FVV08, GHV00, GM06b, GMS05, HW09b, Her03, HS02, Hip03, KD06, KN00, KS01a, KM03, KLS03, Kig03, Kwe00, Lee99, LY01a, LLK+04, LY09b, MST00, MRS00, MV03, NS05, Obe06, Pao01, Pao07, Raf05, SV08, SP02, Ste00, ST03, Sze04, Waa08, WZ08]. Boundary-Value [AA08, Ber04]. Bounded [BIR09, HS05, RSZ01]. Boundedness [HMS09]. Bounds [AR08b, BJ05, Beu07, JCK08, OP00, BBBH04, VV09, dFGAN08]. Bourgain [AK09]. Box [BHL03, Gre07, Ric02, Kup06a].
Computations [Ort09]. Computerized [RS00]. Computing [AA08, Ay02, BW07, BL01, Boy02, DEJ06, GS03a, GKK03, HHT08, K02, LS09, MMS03, PJ01, PJ02, SBBHP04, ST07, TWV00, TWB07, W05, Ovt08a, Ovt08b].

Concentrated [BEL08, JV03, KM03]. Condensates [BW07].

Condition [AD99, AD00, ADZ01, BMN02, DR08, DM06, DKK07, DL08b, GR09, KD06, Kwe00, RBX08, SY00]. Conditional [GGGS08]. Conditioning [AC03, DWZ09, GM06b]. Conditions [Abg03, AMR02, AMR03, ADZ09, BOS05, BHN02, BB00, DS09, DMC00, EL07, FGNQ02, GHV00, GL08, GMS05, HW09b, HML09, KD06, KN00, Lee99, MV03, NS05, Pao07, Raf05, SFNW05, Sze04, Wao08]. Conductivity [Küg03]. Cone [Men06]. Conformal [HT09, MR07]. Conforming [BH09, Bur05, C09, CT00]. Conical [BG05]. Conjugate [AB03, BK01, ETW08, Ovt08a, Ovt08b, Rie05].

Connected [DLST07, RD03]. Connection [BG05]. Connections [BG05].

Conservation [AJG04, AR08a, ADN00, AMT04, BC05, BHL03, Bre05, BKT09, CLG05, DMO07, GM00a, yGPMT01, HL00, Km02, LV08a, LV08b, LW00c, MP03, Ml02, Mis05, Mor01, MV00, NP00, Par01a, QS08, ThT00, TT03, TW07, Tow00, Tow01, WS04, ZS06].

Conservative

[Arb04, BW07, BFV09, CT00, CGW07, GL08+03, JR05, LMR02, PZ04, RY05].

Conserving [Reb07, SWW08].

Consistency [BZ03, Har07, OD09, Ven09, LV08a].

Consolidation [KS05]. Constant [HSW05, MG05, Ver09, WJ08].

Constant-Free [Ver09]. Constrained [Ani09, Bad06, BM06, DH07, DVH00, Dos05, HH09, KLP08].

[BBFP07, JVD02, LMR+05, TF04].

Constraint-Preserving [BBFP07, TF04]. Constraints [BBMZ09, CHK01, FR08, Jav07, LMR+05, LM06].

[CKK01, Chn02, SKJ02].

Construction [AM03, Che02, DS99, DLP05, KJ03, PZ04].

Constructions [Dic07]. Contact [AS05a, ACS09, Bel0a, CF03, HS00, HH02, HW05, NV05, RC01]. Containing [Dic08].

Containment [HT03].

Continuation [DL07, DK07, FK05, FDFD09, HV06, KLQ+08]. Continuity [Zor00]. Continuous [AGW04, AW05, Bre05, BFH06, CM08, CGW07, CLG09, GKK03, Gu03, MST06, PY04, PW09, RHA03, SV02, vdVIB07].

Continuous-Discontinuous [vdVIB07]. Continuum [Li07, OZ08]. Contour [HHT08, ST07]. Contours [WT06].

Contractivity [GPHA07]. Control [BZ02, CET09, CD01, CYL08, DH07, DMO07, DHV00, GM05b, GM00b, HO09, HH09, IK08, KN08, LXX00, LV01a, LY02b, LM04, LM09b, MST07, Med02, MT04, RIN09, RV06, RY07, RLK09].

Control-Volume [RY07].

Controllability [Neg08].

Controlled [CS01].

Convected [BDL04]. Convection [BC06a, BK02, BGM07, BN06a, BN06b, BCT00, BHS06, ER02a, EK00, GHV00, HU01, Kac01, KD06, KSS09, KT03, Kop01, KS01b, Kop03, Kwe00, LR00, LNI09, LPW05, Nci06, OR04, PI00, ST03, Ti02, Ver05b, Ver05a, Voh07].

Convection-Diffusion [BC06a, BGM07, BCT00, BHS06, ER02a, EK00, GHV00, HU01, Kac01, KD06, KSS09, KT03, Kop01, KS01b, Kop03, Kwe00, LR00, LNI09, PI00, ST03, Ti02, Ver05b, Ver05a].

Convection-Diffusion-Reaction [BN06a, BN06b, Voh07].

Convection-Dominated [BK02, Kwe00, OR04].

Convection-Reaction [LPW05].

Convergence
Convergence [Ovt03a, Ovt03b, PS04, Per02, Plo00, Pin04, Pri08a, sQixsJjB05, QS08, RPK04, Ren03, Ris01, Rod07, SFT05, San09, SV08, Sch07, SD09, Sou05, TW07, Tid02, Tow00, UY00, Waa08, Wai05, Wan01, Wau07, Wau05, Wau00, XH05, YZ07, KL06, Da08, Guo09, LV08b].

Convergent [BBP08, BBFP07, BGMV08, CKR08, GG09, LF99, LS08, Ob06, WWL09].

Convex [AM09a, Bar09b, CU05, CCZ02, CWL07, Dos05, Fer03, GS05, LY01a, LY09b, UY00].

Convexity [Han08, Yu06].

Convexity-Preserving [Han08].

Convolution [GH05].

Convolution-Thresholding [GH05].

Cooperative [KK09].

Coordinates [BH06].

Corner [BB09, CK01, HZ07, LW06].

Coronaric [AC03].

Corotational [SWW08].

Corrected [KR00, SL06].

Correcting [Kup06b].

Correction [ELM00, FS09, GS03b, GMS05, HL03b, KLR06, KW01, Med07, NV04, Ovt08a, Ovt08b, SV05].

Corrections [AGG06].

Corrector [BGP05, BT02, Rin01, SV08].

Corrigendum [DGS03].

Cost [Nik02].

Cost-Functions [Nik02].

Coulomb [HR07, HL09a, Zay04].

Counter [RW00].

Coupled [BRLM03, EJS09, GR09, Xu00a].

Coupling [Daw06, DQV07, GH00, GS03, GMM07, GSSW08, Hip02, Hip03, HM06, LS03, Lin09, MMS03, MX07, RY05, Say09].

Courant [Fer03].

Covolume [CK00, CKK01, KK00].

Crack [BSES05].

Crank [H03, HS07a, Rod07].

Creeping [LV04].

Critical [YZ07].

Cross-section [KT05].

Cross-Section [KT05].

Crouzeix [RBX08].

Crystal [BFP08b, DPvDC08, LW00b, WWL09].

Crystalline [UY00].

Crystallization [Bur01].

Crystals [DGS01, Sou05, DGS03].

Cubature [HX00, HS09, Kup06a, Kup06b, LSX08, Vic04].

Cubic [AB08, CK06b, SBM01].

Curl [BL08, Chr05, DDO07, HX07].

Current [Hip02, LM07, PU99].

Current-Voltage [PU99].

Curvature [CM01, For08, GH05, LN05, Le01, UY00].

Curvature-Dependent [Le01].

Curvature [Can05, CM01, UY00].

Curved [Zha08].

Curves [Ker00, KZ04, LM06].

Curvilinear [AC03].

Cylinder [Wol05].

Cylindrical [LPSS00].

D [BBM01, BH08, Bre05, Deu07, DL03, EHL07, HL02, Kop08, Med07, Sar03, VVD06, vdVIB07].

DAEs [Jay07, LS02].

Damped [BJ03].

Darcy [BC09, BFV09, DS07, DQV07, GS09, GR09, MTW02, MX07, RY05].

Data [BNT07, CG08, CKR08, CP08, DGH03, ET08, FR08, GT00, JV03, LS09, Lin06, MNS00, Nik02, NTW08a, NTW08b, SEL09, XY07, Yua06].

Data-Fidelity [Nik02].

Davidson [Ovt03a, Ovt03b].

DDG [LY09a].

Debye [BF08].

Decomposing [SVW02].

Decomposition [Bel04, Ben02, BD03, BZ06, CPR+03, CET09, DDO07, Den03, DQV07, DKW08, DG00, Du01, ETW08,
Fen00, FW09b, GL00, GH03, HZ03, KV02, LS09, LCNY08, Mar01, MG05, QX06, RP03, SFNW05, SL06, SVW01, TW07, TK01.

Decompositions [HSY04, IZ05]. Defect [ELM00, KLR06, KW01, Sou05].

Defect-Correction [ELM00, IZ05]. Defect [ELM00, KLR06, KW01, Sou05]. Defective [EL07, FGNQ02, FVV08]. Defects [Lin07]. Defined [DD07]. Definite [CDS03, DK99b].

Deflation [NV04]. Degenerate [BBG99, BB01, Beu04, BN07, CG00, CNPS07, CEJS02, EK00, Kac01, MV03, Obe06]. Degree [BXZ07, GS00, HR00, HS09, KD03, RB09]. Delay [AG03, BK00, BH07, Bue07, ER02b, Gug01, JPCH06, LB09, LBH03].

Delay-Differential [BK00]. Delays [BH05a]. Densities [BL09, KHP02]. Density [KH09, LR07]. Dependent [Aya00, BHN09, BDR09, Dep08, DSH09, EM03, EHR07, Ger08, Gra08, GMS05, He03, HS07a, HL03a, JD04, KR05, Kig03, Lec01, MST05, PR01, SK03, Tha08, WW07, Yu06].

Depending [AC00b]. Depth [ADZ01]. Derivation [CG09]. Derivative [BXZ07, CW08c]. Derivatives [HK09, Lin06]. Derived [Bos07]. Descent [BCC08, GLQZ02, IKT01]. Design [AQ06, BR09b, Sze04]. Designs [CW06a].

Detecting [FGS07]. Detection [AGY05, GT00]. DG [CDG08, GR09]. DGFEM [SST03]. DGM [KD06].

Difference [ADI01, ADGK03, BL00, Bea09, BACC09, BGM07, BLS+05a, BZ03, BLS05b, CMR09, CIR08, CV05, Cout09, EK00, FG99, HR06, JV03, KU02, KPY02, KPY04, Mic02, Mis05, NT02, NPSK07, Ore06, Par01b, Rin03, SG01, SY00, Tow00, Tow01, WB00, WVL09, YA05].

Differences [BWW08, DK99b, Rab00, SW03, SLS09, dB30a]. Differencing [Par01a, RW05, WF08]. Differential [AY02, BTZ04, BNT07, BHN09, BK00, BY00b, BCM04, BGMV08, Bos07, BPV01, BH07, Bue07, BT02, BL09, CMMR01, CJ09, CM08, CMM03, CP03, DL09a, DZ02, ER02b, HL00, Hau02, Hau08, HI03, HMS02, HMY07, HMS03, JVD02, JW00a, JW00b, JPC06, KMS05, LLRZ00, LL00, LS07b, MS00a, MSZ08, MMR06, MRR06, MT05, NTH08a, NTH08b, PPT05, Röö09, San09, San00b, SS08, Sch02a, SP02, She03, SEL09, WM08, Wan05, Tha06].

Differential-Algebraic [Bo07, JW00a, JW00b, KMS05].

Differentiation [BF09a, OIv09, Sl04]. Diffraction [BY00a, BGS05]. Diffuse [Fen06]. Diffusion [Aya00, AD02, AM09c, BC06a, BMN04, Bea09, BGM07, BN06a, BN06b, BCT00, BB09, BLS05b, BHS06, BZ06, CNPS07, CV05, DDE03, DDE05, DJS0a, DM08, DL02, EL08, ER02a, EHR07, EK00, GM05a, GH00, GH07, GGS08, Kac01, KD06, KT03, Kop01, KS01b, Kop03, Kop08, LX09, Lin08, LRV00, Lin09, Lin00, LDB+03, LY09a, LUC08, MPP03, NT02, Nic06, Pfl00, DEG08, PU09, Pin04, sQlXsJjB05, RSt06, Rou00, San03, SWB+04, ST03, Tid02, Van05, Ver05b, Ver05a, Voh07, Wan00, YA05, ZLAT09].

Diffusion-Convection-Reaction [Nic06].

Diffusions [MT09, MSTZ08]. Diffusive [GT03, JPT00, KU02, NP00]. Digital [CS01, DL05, PDP06]. Dimension [BHP09, DFK00, RSS04, TJO0, Vic04].

Dimensional [BGM07, Bes04b, Bes08, BLS08, BH05b, Cha07, DDP00, DDO07, Die07, DL09b, Du08, GS09, GHN03, GMD07, GM00a, GGG08, HLP08, JR05, Kim08b, KWD02, Kop01, KS01b, Kop03, LM07, LM08a, Lin07, LZ08, MP02b, PS02a, PZ04, Pon07, RD03, Ren03, San03, TTO3, TT03, TW06, TV05, Van05, Wan00, oWZ06].

Dimensions [AH06, Bea04, Bel04, BH09, CPR+03, CE09, CG05a, CG05b, DB03b, DW08, Guo06, Guo09, GZ09, HZ03, KLPV01, KL05, Lin08, Mar05, SE05, TK01, TW00].

Diminishing [BW07, FS04]. Direct
[BG01, Pon07, LY09a]. Direction
[BF09a, MG01, PFF08]. Directional
[HK09, SLS09]. Directions [GLQZ02].
Dirichlet
[AB00, Bar09a, BG05, HRW01, MV03]. Discontinuous [BH08, Mis05].

Discontinuous
[AJG04, Ain07, ADF09, ABCM02, AM09c, BJM09, BMMS05, BMOM05, BPD08, BS06, BHS06, BP06b, BKT09, BS09, CCPS00, CS05, CCS06, CDZ00, CC04, CW06b, CE06, CE09, CKPS01, CKSS02, CG08, CGS009, CG09, CGL09, Daw02, Daw06, DMO07, DD06, DS09, EK09, EG06a, EG06b, EG08, FK01, FW09a, FSL05, GSWY08, GP99, GSS06, GP07, Har07, HKW09, HPS04, KP03a, KP07, KSS09, KR05, Kwe00, LN04, LS07a, Lin08, LM04, LSTZ07, LY09a, MG03, OD09, OS07, DEG08, RWG01, RS06, SS00a, SD05, SW05b, TK01, Tow00, Tow01, VVD06, Wal05, Wan07, WH08, X08, Y02, Ye04, Ye06, ZS04, ZS06, dwVIB07].

Discrepancy [DL05, HY00]. Discrete
[Ain04, AMR03, ADN00, AL09, ABF04, BZ02, BCDD06, CS02, CE05, DDE05, DDD07, Fen06, Ge06, GT03, GGG08, KK09, LMR02, LFB02, LSW08, LWX00, MS02, MP03, MS00b, Mic02, NZ06, OPR09, Rafa05, RD03, ZaY04, dFGAN09].

Discrete-Time [LFB02, LWX00].

Discretization
[Abg03, AS05a, BBP08, BB01, BNV06a, BRL03, BC06b, BB07, Ber09, Ben04, Bu05, CD04, Da08, DER07, DPD06, EBO8, GM05a, GP06, GR07, Gr03, HW09a, JK09, KU00, KM08a, KM08b, Lin08, MP01, Mor01, OPR09, PR01, Pr08a, RP04, Rin00, RV06, SS00a, Sch02b, SR02, TJ00].

Discretizations
[AMR02, Bec07, BCT00, CMS00, DZ08, GM08, GSWY08, Han06, HO08, Har07, KD08, KT09, LZ07, Mar01, O09, PW09a, PW09b, RS04, Sch02a, V07, WK01, vPS03].

Discretized
[BNV06b, BK03, HV05, LR02, Reu03].

Dispersion [Ain04]. Dispersive
[AW09, IZ09]. Displacement
[BJM09, B05, CS03]. Dissipative
[AW09, ADBN08, BDRS00, D08, D03, LL06, DGS03].

Dissolution [DPD08]. Distance [AGO06].

Distributed [GM00b]. Div
[AC06a, Chr05, LMW08a, ABF05, CW08a, DDO07, HX07, WY07]. Div-Curl
[Chr05, DDO07]. Div/Curl [LMW08a].

Divergence [BLS08, Wen09, Zha09].

Divergence-Free [BLS08, Wen09, Zha09].

Divided [Rab00, dBO0a]. Dogleg
[PSW08]. Domain [AADL07, ACH00, Bel04, BES06, Ben02, BD03, BGM08, BZ06, CPR03, CH09, Den03, DQV07, DKW08, D09b, DG00, Du01, DLST07, Fen00, GL00, GH03, HR09, HZ03, HSY04, Jia04, LS09, Mar01, MG05, Q06, SFN05, SL06, TW07, TK01, VW04, Zha08].

Domains
[BS08, BACCF09, CC02, CL05a, FL06, HB00, KDZ09, KK01, LPSS00, MST05, PS08, RD03, RSS04, RSZ01, She00, SW07, Zha08].

Dominated
[BK02, Hum01, Kwe00, OR04, San00a].

Downwind [RS04]. Downwind-Biased
[RS04].

DP
[DD06, KL05, Kim08b, KRW08]. Drift
[GM05a, PU99, Pin04]. Drift-Diffusion
[GM05a, PU99]. Driven
[BB01, CM01, DZ02, Hau02, Hau08].

DSMC [RW07]. Dual
[BEL08, BS03, GH00, GMM07, KW02, OD09, She03, TV05, VW09, W09].

Dual-Dual [GH00]. Dual-Mixed
[GM07]. Dual-Petrov [She03].

Dual-Primal [KW02, TV05]. Duality
[DDO07, OR09]. Dufort [MP02].

Duhamel [BGM08]. Duhamel-Like
[BGM08]. Dykstra [Per02]. Dynamic
[AS05a, HW09a, RP02, V01]. Dynamical
[ADZ09, CD01, EL09, GW07, HPS05, IK08].
Dynamically [DK99a]. Dynamics [Aza02, BJL03, CRK07, FVV08, KPS06, KV02, QVZ01, WY07, vdVIB07]. Dynamons [CZZ06].

Eddy [BIR09, Hip02, HL03b, JL02, KR05, LM07, Med07]. Edge [AS02, AGY05, BCDD06, Chr05, DB03b, LM07, LMW08a, MG01, Nic01, Ova07, Raf05, TK01, TV05, XH05]. Edge-Bump [Ova07]. Edges [ET08, GT00, HK09]. Effective [BBC08, CT00, KB02, Lam05]. Effects [ER02a, Nou01]. Efficient [Bar05a, DMW01, HSY04, IZ05, LM07, LMW08b, SP02, She00, Vee01, WZ05, Xu00a].

Eigencomputation [Sim05]. Eigenfunctions [MG03]. Eigenproblem [BP06b]. Eigenproblems [CFR00]. Eigensolvers [EL09]. Eigenvalue [BDRS00, DZ08, GG09, Lar00, MG05, Ovt03a, Ovt03b, Ovt08a, Ovt08b, SS03b, Tod06]. Eigenvalues [AA08, Bar09a, BT07, Bue07, CW08b, Chu00, MG03, Ovt08b, SS03b].

Eikonal [CFFM08, CF07, QZZ07]. Einstein [BW07]. Elastic [CP00, Gei05, NPSK07]. Elastic-Plastic [Gei05]. Elasticity [ACS09, CS03, CS04, DW09, HW09a, HS08, KMM00, Kim08a, Kim08b, MMSW06, PW06a, PW99a, PW99b]. Elasto [BMPT09, Sta07]. Elasto-Plastic [BMPT09].

Elastodynamics [Proc08a]. Elastoplasticity [AC00b, BS03]. Electric [CN02, HS02]. Electrical [MMM04]. Electromagnetic [BH04, CFR00, CM00, Hip03, KDZ09, SW09].

Electromigration [BNS04]. Electronic [BDS01, DGS03]. Element [AG00, Ach02, AADL07, AM09a, AC00a, Ain04, Ain05, Ain07, AR08b, AW09, ALY01, Am09, ABV06, ACYW00, AR02, AMT04, AM06, AGAN05, BG01, BTZ04, BC06a, BC09, BBP08, BY00a, BFV09, BBG99, BB01, BGN03, BNS04, BW06, BBFP07, Bar05b, BP06a, BF08a, BJM09, Be507, BF08b, BSC07, Bel06b, Bel00a, BBM01, BBK01, BSES05, BMPT09, BDRS00, BR02, BR08, Ber09, Beu04, BHD06, BG04a, BG05, BR09c, BG04b, Böh08, BHVO8, BDW99, Bur05, BF06, BF09b, Bur09, CK01, CPR03, CLG05, CJO9, CS07, CFR00, Car02, CKNS08, CZZ06, CWL07, CL05a, CDZ00, CW03b, CW03a, Che06, CHX07, CS08, CKK02, CH02, Cod09, DZ09, DS99, DZ08, DK99a, DMC00, Daw06, DE05, DH07, Dem02, DD07, Dem09, Den08, Deu07, DK08b, DV05].

Element [DGHL04, DW09, DL03, yDLST06, DLST07, DJLT09, EL08, EHW00, EKS04, ELL02, ELW02, ELS02, ELL04,6, FL06, Fen00, Fen06, FN09b, FN09a, FJMT07, GAT00, GMM07, Gei06, GSWY08, GPP99, GLL08, GP00, GM06b, GR07, GSS06, Guo04, Guo06, GS07, Guo09, GZ09, HB00, Hlw02, HO08, HR09, Hau08, He03, HTW02, Hel09, HS02, HSS00, HMM02, JRW02, JLM08, KAI00, KSS09, KM03, KLP01, KT03, KS08a, KS05, Kun01, Lar00, LS07a, LW00a, Lu00, LLK04, Lov05, LCN08, MST00, MR05, Mar01, Mar05, MTW02, Mau09, MN05, MS09, NP05, NS01, ORG09, OS07, PF02, PS03, Par01c, PW99a, PW99b, PS08, Pie05, Pro08a, RP04, Reb07, Ric02, RW01, RS06, RV06, RV07, San06b, SS07, Sch00, SW03, Sch05, SS00a, SWL09, SEL09, Sta05, Sta07, Ste05]. Element [TT00, TK01, TV05, VW04, Voh07, WY01, WY07, WY05, W06, Wol00, WK01, WD00, Xu00a, XLC02, XH05, Yau05, Yau06, Zha08, Zay04, Zho01, dV04, dFN00, dFN02, dFGAN08, dFGAN09, vdVIB07, Dem06].

Element-Based [Pro08a]. Element-by-Element [DS99]. Element/Volume [Mau09]. Elements [AD99, AD00, AC00a, AP02, AC03, AR08b, AM08, AW05, AB06, ABF05, BZ07, BJT00, BNV06a, BNV06b, BDG06, BC06b, BR05, CZ09, CHO07, Chr05,
CG05a, CG05b, CJRT01, DB03b, DHIN+03, GSWY08, HW09a, HR07, Hip03, HN09, HS08, KW06, LZ08, MNS09, MMS03, MPP03, Nic01, Ra05, Ris01, Ste00, TV05, Wan01, WY07, Woh05, Zha09, dVNS07.

Elimination [KEN01, SK03].

ELLAM [Wan00, WSE01, Wan08].

ELLAM-MFEM [Wan08].

Elliptic [AGW04, Arb04, AW05, ABCM02, BTZ04, BNT07, Beam04, BMM05, BM07, BH08, BH08, BS09, CMS00, CMMR01, CS02, CW08a, CMMR09, CTR09, CCE09, CS05, CHD07, CL05a, CS09, CW03a, CY08, CK00, CY07, CKPS01, CG04, CGSS09, CGL09, CMM03, CTR09, DD00, Daw02, DH07, Dem09, DVR05, DL06, DPP06, DGH03, EP08, EG06b, EG03, FLL+06, FK01, FGS07, GG09, GLL08, Gre07, GP07, GH03, HH09, KP03a, KP07, KK09, KLS03, KP03b, KWD02, KK00, Lar00, LN04, Lee99, LMPQ04, LLK+04, MKB07, MN03, MMRR06, MMR06, MN05, Ob06, OR09, OS07, Pao07, PS03, Par01b, Par01c, PW99a, PW99b, PZ04, RSS04, RSS07, RWG01, San00b, SV08, Vee01, Ye04, Dem06].

Elliptic-Parabolic [AGW04, CHD07].

Ellipticity [GS09]. Embedded [CGSS09].

Embedding [Zha08].

Enclosing [JVD02].

Energy [BW07, DF09, DE08, EF01, HL00, LN04, LW06b, Re07, SWW08, WWL09].

Energy-Conserving [SWW08].

Energy-Diminishing [BW07].

Energy-Stable [WWL09].

Engquist [BKT09].

Entrainment [GT00, ST03].

ENO [CZ02, GM08].

ENO-Wavelet [CZ02].

Enrichment [ABV06].

Entire [GMR07].

Entirely [Sar03].

Entropic [GM05a, MP03].

Entropy [LR00, LMR02, LR02, MV03].

Envelopes [Bar05a].

Environment [ADZ01].

Epitaxial [XT06].

Equality [Dos05].

Equation [AB08, ADZ01, AM06, BC06a, BBP08, BS08, BFV09, BBG99, BP06a, Bea09, BD04, BBK01, BACCF09, Ber09, BBD02, Bes04a, BB09, BG05, BZ03, BGP05, BDS01, BH04, Bur09, CK01, Cai03, CFFM08, CHX07, CN02, CE09, CG08, CDG08, CRK08, CJRT01, CF07, CP03, Da08, DF09, Den08, DK08b, DGH03, EW00, ER02a, EHR07, FW09a, FN09a, FL03, GK08, GH03, Gic05, GPPP06, Gou02, Gra08, GS06, HW03, HS02, HR06, HMMN02, HSM03, HV05, IZ09, JRV02, JW06, JR05, KSS09, KK02a, KM06, KPY02, KPY04, KV02, LX09, LaY09, MS01a, MPPS02, Med00, Neg08, NPSK07, Oe02, OPR09, Ovt08a, Ovt08b, PF02, PFF08, PR00, Per09, RP04, Rin00, RSZ01, RW00, RW07, STWV03, SBBHP04, Sch09, SM08, SP02, She03, SW05a, SW07, T300, WJ08].

Equation [WWL09, WD00, WML03, X08, ZLAT08, ZLAT09, oWZ06].

Equations [Arg03, AG00, AD99, AMR02, AMR03, AM09b, AAL09, AD09, Ayo02, AGAN05, BTZ04, BNT07, Bad05, BH09, BJ03, BOL00, BJ05, BK00, BHS09, BM01, BM06, BY00b, BGM07, BRS02, BF09a, BF08, BCM04, BG04a, BDG06, Böh08, BGVM08, BK03, BP01, BH05a, BS06, BH07, BL03, Bue07, Bu05, BF06, BF09b, BT02, BL09, Cai00, CMS00, CMMR01, CX08, CG00, CJO9, CCOZ02, CHX03, CWX09a, CHK01, CDZ00, CN00, CXM02, CW06a, CM08, CY08, CWX09b, CH02, CW06b, CDZ03, CE05, CL00, CMM03, DR08, DD04, DK09a, DMC00, Daw02, DM06, DJ06a, Dep08, DZ02, DL03, yDLST06, DL02, EL08, ER02b, EK00, EHL07, FN09b, Fer03, FGNQ02, FG99, FK05, FJMT07, FL05, GV00, GS09, Ger08, GFD00, GR09, GPD04, GLQZ02, GMS05, GP09].

Equations [Gug01, GGGS08, GL00, HL00, Han06, HO08, Han02, Hau08, HJ03, HL02, He03, HS07a, HMS02, HMY07, HL03a, HL03b, HL09b, HZ03, JK01, JVD02, JW00a, JW00b, JPC06, JPT00, JLM08, KN00, KOT05, KR00, KR05, KLR06, KU02, KMS05,
Kwe00, LF99, LW06a, LLRZ00, Lin09, Liu00, LL00, LY02b, LBD+03, LMY04, LPWE05, LW07, LZ07, LR02, LS07b, LL06, Luc08, LCNY08, MS00a, MST05, MS08, MMRR06, MMR06, Med07, MV03, MT05, NT02, Nic01, NTW08a, NTW08b, NP05, NS05, Obe06, ORG09, OZ08, PYD06, Pao07, PPT05, PS04, Pi00, Pro08b, QZZ07, Reb07, Re03, Ric02, Rin01, RV06, Rö09, SV05, STWW03, SSTT05, San00b, SS08, SV08, SN04, Sch02a, SV03, SV00, She03, SL06, SD09, SEL09, Sta05, SW09, Ste03, Sze04, SD02, TT00, Tha08, TW06]. Equations [TF04, TCOZ03, VV08, VW04, Van05, Ven09, Ver05b, Ver05a, Voh07, Waa08, Wan00, WSE01, Wan07, WM08, Xu00a, YS02, Yan05, YA05, ZB00, dFN00, dFGAN08, dFGAN09, vPS03, Tha06]. Equilibrated [LW04]. Equilibria [DLM07, Thi08]. Equivalence [SWB+04, XY07]. Equivalent [AK07]. Equivariant [Thi08]. Ergodic [SS00b]. Ericksen [BFP08b]. Erratum [BX07]. Error [AD00, Ain05, Ain07, AR08b, AY01, AMR03, Arm01, AKW05, BS07, BX03a, BX03b, BMN04, BJ05, BK00, BK02, BR09a, BDR09, BH09, Bos07, BGP05, Bue07, Bur09, CK06a, CZ09, CTU09, Cao05, Cao07, CET09, Car02, CLT05, CHO07, CCPS00, CL05a, CD01, CEJS02, CC04, Che06, CH02, CW06b, CG08, DPD00, DDE03, DM007, DB03b, Dem09, DLM09, Dep08, Deu07, DV08, DL09b, DL02, DHHN+03, DL08b, EP08, ELS+02, FY03, For08, FW09b, GHV00, GM07, GW07, GM00a, GR07, GMS05, GS05, HH09b, HB00, Hau02, HK09, HR07, HL09a, HH09, HPS05, HNN02, HV05, HW05, JCK08, JR02, JY05, KP03a, KPS06, Kop01, Kop03, Kop08, Kun01, Kup06b, Küt01, LN05, Lar00, LN04, LW00, LY01a, LY01b, LY02b, LY02a, LBD+03, LLK+04]. Error [LMRY04, LY09b, LW04, LCNY08, MS01a, MN03, MNS09, Me05, Mer08, MPP03, NZ04, Nic05, Nic06, NSV05, OPR09, OP00, PJ02, RSS07, RWG01, RW07, RV06, San00a, Sch00, SW03, Sch05, SW04b, SD05, ST03, Vee01, Ver05b, Ver05a, Ver09, Voh07, Wan00, WSE01, Wan08, WJ08, Wet00, WY05, WML03, ZS04, ZS06, dFGAN08, vdVIB07, Dem06, Dar00, dVNS07]. Error-Correcting [Kup06b]. Errors [C106, J102, KEN01, RSS04, SK03, SE05]. Estimate [AKW05, BGP05, CAO07, Car02, CW03a, Des04, EP08, For08, HR07, HW05, Kop08, Wan00, WSE01, Wan08]. Estimates [AD00, ALRY01, Arm01, BK00, BR09a, Ber09, BDR09, BBD00, CK06a, CLT05, CL05a, CC04, Che06, CH02, CW06b, CG08, DB03b, Dem09, DLM09, Deu07, DKi07, DL02, DHHN+03, DL08b, ELS+02, FW09b, GHV00, GW07, GM00a, GS05, HB00, HK09, HH09, JY02, KP03a, Kop01, Ki01, LN04, LW00, LY01a, LY02b, LY02a, LBD+03, LMTY04, LY09b, LCNY08, MS01a, MN03, MNS09, Mer08, MPP03, NZ04, Ovt03a, Ovt03b, RPK04, RSS07, RR01, Sch00, SW03, SCH05, SD05, Ver05b, Ver05a, Ver09, Voh07, WW07, WJ08, WY05, WML03, ZS04, ZS06, Dem06]. Estimating [KHY09]. Estimation [AI05, Ain07, BH09, Bur09, Car05, HPS05, LY02a, Mel05, OPR09, RSS04]. Estimations [NI05, Nic06]. Estimator [CZ09, Kun01, LW04]. Estimators [BX03a, BX03b, DDP00, FY03, HL09a, LY01b, LLK+04, NSV05, PY04, Vee01]. Euler [AS05a, BDR09, DK09a, DLV08, DPR06, HNS02, PY060, RPK04, Ren03, San09, T00, TW06]. Euler-Mixed [DK09a]. Euler-Type [HMS02]. Eulerian [WW07]. European [JD04]. European/American [JD04]. Evaluation [ACH00, BR09a, CT00, EE06, GM07, HV06]. Evolution [BG04b, Han06, PF02, PFF08, oWZ06]. Evolutionary [CHS00, HS00, HL03b]. Evolutions [CM01]. Exact [BX03a, BX03b, SBBH04]. Exclusion
Existence [CW06a, DR08, FL05, Hel09, KDN00, KD03, Ker00, Ort09, Vas01].

Expanded [WD00]. Expansion [Boy02, Kop03, NS09, Rin00, Sch00].

Expansions [FLL+06]. Explicit [BJ03, CLT05, Des04, Des09, DiC07, Hel09, HO05, SV00, SL06, VV09, WB00, YA05].

Expanded [WD00]. Expansion [Boy02, Kop03, NS09, Rin00, Sch00].

Expansions [FLL+06]. Explicit [BJ03, CLT05, Des04, Des09, DiC07, Hel09, HO05, SV00, SL06, VV09, WB00, YA05].

Explicit-Implicit [SL06]. Explicit-Jump [WB00].

Explicit [BJ03, CLT05, Des04, Des09, Dic07, Hel09, HO05, SV00, SL06, VV09, WB00, YA05].

Explicit [BJ03, CLT05, Des04, Des09, Dic07, Hel09, HO05, SV00, SL06, VV09, WB00, YA05].

Explicit-Implicit [SL06]. Explicit-Jump [WB00].

Explicit [BJ03, CLT05, Des04, Des09, Dic07, Hel09, HO05, SV00, SL06, VV09, WB00, YA05].

Explicit-Implicit [SL06]. Explicit-Jump [WB00].

Explicit [BJ03, CLT05, Des04, Des09, Dic07, Hel09, HO05, SV00, SL06, VV09, WB00, YA05].

Explicit-Implicit [SL06]. Explicit-Jump [WB00].

Explicit [BJ03, CLT05, Des04, Des09, Dic07, Hel09, HO05, SV00, SL06, VV09, WB00, YA05].

Explicit-Implicit [SL06]. Explicit-Jump [WB00].

Explicit [BJ03, CLT05, Des04, Des09, Dic07, Hel09, HO05, SV00, SL06, VV09, WB00, YA05].

Explicit-Implicit [SL06]. Explicit-Jump [WB00].

Explicit [BJ03, CLT05, Des04, Des09, Dic07, Hel09, HO05, SV00, SL06, VV09, WB00, YA05].

Explicit-Implicit [SL06]. Explicit-Jump [WB00].
MTW02, Mau09, MMS03, MN05, Mer08, Mic03, MPP03, Mis05, MS09, NT02, Nic05, Nic06, NP05, NS01, ORG09, OPR09, OS07, PF02, PS03, Par01b, Par01c, Pie05, PZ04, Pro08a, RPK04, Reb07, Ric02, RWG01, RS06, RV06, RWY07, SFNW05, San00b, SS07, Sch00, SW03, Sch05, SS00a, SLS09, SEL09, Sta05, Sta07, Ste05, TT00, TV05, VV04, Voh07, Wan01, WY01, WY07, Wen05, WN00, WY05, WY06, WB00, WWL09, Woh00, Woh05, WD00, Yan05, Yan06, Ye04, Ye06, YA05, Zha08, Zha09, ZaY04, Zh01, dV04, dVNS07, dFN02, dFGAN08, dFGAN09, vdVIB07, Den06].

Finite- [MRS00].
Finite-Difference [ADGK03, WWL09].
Finite-Dimensional [Du08].
Finite-Element [Ani09, AGAN05, Bar05b, GAT00, GLL08, Pie05, dFGAN08, dFGAN09].

First [Abg03, ACS09, BBM01, BMMS05, BMM05, CMMR01, CS02, CS03, CMM03, CMMR03, DS07, DV05, Gue04, HSS00, KEN01, Lee99, LMW06, LMW08a, MMS04, MMSW06, Rin01, RLK09, SK03, Sta05, SD02, KMM00].
First-Order [ACS09, BMMS05, BMM05, CMMR01, CS02, CS03, CMM03, CMMR03, DS07, DV05, Gue04, HSS00, Lee99, LMW06, LMW08a, MMS04, MMSW06, Rin01, RLK09, Sta05, KMM00].

Fits [LS09].
Fitted [Pin04].
Fitting [AGY05, Cl06].
Fixed [Seg02].

Flames [KB02].
Flexible [SS03a].
Floquet [Moo05].

Flow [AC00a, BBFP07, BDL06, BFP08b, CLW04, Cha07, CG09, DS07, DGS01, ELM00, EM03, EL07, EJS09, FN09b, KT08, LN05, LSY03, Lee04, MTT02, Mic03, MX07, NV04, Nou01, PW99b, QVZ01, RLK09, Wan08, WD00, DGS03].

Flows [CHD07, DZ09, Deu07, EL5+02, Fen06, GR07, GH05, GS03b, GM00b, Hun01, KT05, LV04, LW00b, LW06b, Man06, PS08, RY05, SST03, VO02].
Fluid [CLW04, CHD07, DGHLO4, EM03, Fen00, Fen06, FVV08, GMM07, KV02, LSY03, Lee04, Med02, MT04, MX07, Nou01, SHTT05, WY07].

Fluid-Rigid [SSTT05].
Fluid-Solid [Fen00, GMM07].
Fluid-Structure [DGHL04].
Fluids [BRLM03, BDR09, DPR06, LV04, PYD06, PR01].

Flux [AJG04, AW05, BKT09, CT00, CKK02, Mis05, Tow00, Tow01, WY06].

Fluxes [Bre05, CWG07, LW04, XZ05].

Focusing [BJ03].

Force [GR07].
Form [BG04b, MP02b].

Formation [BGR02].

Formulae [BP05, HX00, HS09, Vic04].

Formulas [BNV06b, Ber02, BD07, CN02, GM09, HT08, Peh09].

Formulation [BMN04, BSES05, BAC06, BC06b, CS03, Cod09, EKS04, FN09b, GH00, KL05, KMD08, Lin08, LCN08, MP03, MGP00, MV03, NPSK07, PW06a, SWW08, STWW03, SS09, VVD06, WY00].

Formulations [BC09, Che00, RSS07].

Forward [MSZ08, San09].

Forward-Backward [MSZ08].

FOSLL* [CMMR01, LM07].

FOSLS [BMMS05, BMM05, KMM00, LMW06, LMW08a].

Foundations [LMPQ04].

Fourier [DGS03, Sar03, BH03b, CXX08, DGS01, HL09b, KSO08b, LXX08, LL06, MG03, NS01].

Fourier-Wavelet [KS08b].

Fourth [BC05, BGM07, DS09, Jinn01, MBB07, Mar05, Tha06].

Fourth-Order [BC05, DS09, Tha06].

Fractal [CK06b].

Fractional [Den08, EHR07, Ger08, LX09, SL99, THBS09, Wen09, YA05, ZLAT09].

Frames [St03].
Framework [BG01, BC06a, CHO07, CK01, FV04, Gu06, Par06].

Frankel [MPPS02].

Fredholm [DM06, L070, PPT05, VV08].

Free [ACPC02b, BL08, BWWW08, CS07, CCS06, FJMT07, HW00a, Her03, HO09, Obe06, Riss01, San00a, Ver09, WY09, Zha09, dV04, GM06a, Tha06].

Frequency [BRS02, BGS05, CWL07, SM08, THBS09].

Frequency-Based [THBS09].

Friction
Friedrichs [HR07, HL09a, RC01].

Frobenius [JK09].

Front [Cha07, GLL+03].

Fully [AR08b, BZ02, Böhm08, CE05, DDE05, Fen06, FN09b, FN09a, GGGS08, LMR02, MS02, MS06b, NSV05, PR01, SLW09, dFGAN09, BNV06b].

Functional [AJG04, Che02, GMR07, Hla01, HS07b, IZ05, LL06, Ovt03a, Ovt03b, PW06b, SH08, Seg02, She00, SLW09, SVW02, ST06].

Future [CL00].

Galerkin [CGL09, LY09a, AG00, Ain07, AD09, ADZ09, ABCM02, AD02, AM09c, BTZ04, BS07, BJM09, BK02, BP08, BS06, BHS06, BP06b, BF09b, BS09, CX08, CFR00, CCP00, CS05, CCS06, CWL07, CD01, CC04, CYL08, CT00, CW06b, CE06, CE09, CKPS01, CKKS02, CGW07, CG08, CGSS09, CG09, CGL09, CHR04, Dav02, DMO07, DS09, DL02, EO9, EG06a, EG06b, EG08, FK01, FW09a, GAT00, GSWY08, GM06b, GSS06, GP07, Har07, HKW09, HL09b, HPS04, KP03a, KP07, KSS09, KV02, Kwe00, LN04, LS07a, LV04, LLRZ00, LM04, LSTZ07, LZ07, MS00a, MS01a, MST00, MS01b, MA05, MTW03, OD09, OS07, PF02, DEG08, RS06, SST05, SS00a, She03, SW07, SW05b, VVD06, Wal05, WH08, XS08, YS02, Yan05, ZS04, ZS06, oWZ06, vdVIB07].

Gauss [Bal03, BP05, DK99b, HC09, KS08b, PD05].

Gegenbauer [BY00b, CW08b].

General [AA09, BX03b, Ber02, BHM07, CC02, CKK01, CRK08, DWZ09, EHL07, FS04, GHV00, GM08, GPHA07, HM07, KV02, MN05, MV03, Spi07, Wen05, EG06a].

Generalization [Lu99].

Geometric [AA02, CMMR03].

Geometrical [JW06, St09].

Geometrically [MMSW06].

Geophysics [ET05].

Geostrophic [Med00].

Gilbert [BBP08, BP06a].

Ginzburg [CD01, TJo00].

Global [AG03, BHN02, DK00, EJR08, LMR04, LLK04, San00a].

Globally [LF99, PW09].

GMRES [Ovt09].

Goal [MS09].

Goal-Oriented [MS09].

Godunov [AJG04, CGLGP08, JJ06, MP02b, Nou01, QS08].

Godunov-Type [AJG04, QS08].

Good [KJ03].

Governing [BZ02, CYL08, LY02b, LM04].

Gradient [AB03, DG00, HTW02, IKT01, Ovt07, WZ07].

Gradients [BK01, Bes08, Ovt08a, Ovt08b, Rie05, Dem06].

Graining [KPS06].

Graphs [BMN04, BL00, DDE05, LN05].

Green [HS07b].

Grid [Aza02, BZH03, CMA02, CMX09, CMMR03, Dos04, LMPQ04, MX07, NV04, Neg08, NTW08a, NTW08b, Not07, TZ99].

Grid-Based [Bea04].

Grids [AA09, ACWY00, BX03a, BX03b, BXZ07, Bel04, BHN03, BR09c, CK00, CKK01, CKPS01, Des04, Gra08, Gre07, Gro08, KK02b, Küt01, LW00a, RBX08, RW07, SFNW05, Sch00, Zha08, Zha09].

Ground [BW07, Daw06].

Groups [Mar99].

Guided [BHN02, HW09b, HV05, XT06].

Guided [PJ01, PJ02].

Gurtin [BIMV08, KK02a].
H [EG03, HX07, WY07]. H-Convergence [EG03]. Haar [JK09]. Half [Bal03].

Half-Range [Bal03]. Halton [HZ07].

Hamilton [Abg03, AM09b, BJ05, BL03, CG00, CJ09, Fer03, GP09, JKR01, KOT05, Lep00, Obe06, SV03, SD02, TCOZ03, Waa08, WF08].

Hamiltonian [CCF09, HK01, JW06, KB02, MRT02b, WJ08]. Hamiltonian-Preserving [JW06, WJ08].

Hammerstein [CWX09b]. Handling [LMR + 05].

Hardening [AC00b].

Hardy [BT07, HN09]. Harmonic [BBFP07, Bar05b, BDL06, BRS02, CDS03, CM00, GDP04, HNM02, HTW09, Pie05, Sid00, VO02, CL05b].

Hat-box [Kup06a].

Heat [Ber09, ETW08, Kug03, SL06, XZ05].

Helicity [LW06b, Reb07].

Helicity-Conserving [Reb07]. Helmholtz [ADF09, BDL04, CC202, FW09a, HM06, SW05a, SW07]. Hereditary [SW00].

Hermite [AR08a, Bal03, BX02, BX07, GS00, MST05]. Hermitian [CYN00, EL09, Ovt08a, Ovt08b].

Hessenberg [LS05, LS02]. Hessian [Ova07]. Heterogeneous [Buf05, DZ09, KWD02]. Hexagon [LSX08].

Hexahedra [AC03]. Hierarchical [AC03].

Hierarchical [Beb07, LSTZ07, SSZ07].

High [AC00a, Ain04, ADBN08, Bar09a, Bes08, BGS05, BL03, CGLGP08, CNP07, CWL07, Dic07, Die08, Dos04, Ger08, LR00, PZ04, RS04, SM08, SW05a, SSZ07, SR02, Tha08, Vic04, Zho01].

High-Dimensional [Dic07]. High-Frequency [BGS05].

High-Lying [Bar09a]. High-Order [ADBN08, Bes08, BL03, CNP07, LR00, RS04, SR02, Tha08].

Higher [BNV06a, BNV06b, BHO5b, Car05, CE09, CJRT01, Dem09, KD03, RB09, Sch09, She03].

Higher-Order [BH05b, Dem09]. Highly [BS07, CCF09, HV06, SS08]. Hilbert [BY00b, Egg06, KF03, KK09, MP01, Mat04].

Hilliard [BBC99, BB01, Fen06, KS090].

HJB [BZ03]. Hodge [DD007]. Holm [CKR08, HR06, SS08]. Holonomic [Jay07].

Homogeneous [GS03a, RW07].

Homogenization [CS08, OZ08].

Homotopies [SVW04]. Homotopy [LWW02].

Hopf [GKS00]. Horner [Pen00].

Howard [BMZ09]. hp [BCDD06, BS06, HSS00, AC00a, Ain04, SS00a, AP02, Mel05, SSS03].

hp-Approximation [AP02].

hp-DGFEM [SS03]. hp-Discontinuous [BS06]. hp-Finite [HSS00, AC00a].

hp-Interpolation [Mel05]. hp-Version [Ain04, SS00a]. Hybrid [CHX03, CKK02, LV08a, YD08].

Hybridizable [CG09]. Hybridization [CG05a, CXG05b, CGL09]. Hybridized [CG04].

Hydrostatic [BK03].

Hyperbolic [ADBN08, AMT04, Aza02, BC05, BHL03, CLG05, CHK01, CD04, CGH05, Con09, HSS00, J006, JV03, MP02b, Mor01, NP00, OS07, Par01a, Ric02, TT02, Zho01, Par06].

Hyerelastically [GH00].

Hyperplane [PDP06].

Identification [Bur01, BM02, Kal00, Kug03].

II [BX03b, BKK01, BNV06b, BRL03, BMM05, BB09, CG05b, Da08, DGS09, EG06b, GT00, Guo09, KS01a, LV08b, MS02, Ott03b, Ovt08b, PS02b, Par01c, PWH0b, PJ02, Sch00].

III [DMC00, EG08, MA05].

III [AM02, BK06, CL00, FL05, Kal00, Mat04, PS05, Rin01]. III-Posed [BK06, CL00, FL05, Kal00, Mat04, PS05, Rin01].

III-Posedness [AMR02]. Image [ABFM04, DM08, MG01, VO02]. Images [AGY05].

IMEX [Bos07]. Immersed [GLL08, WB00]. Immersed-Interface [GLL08]. Immiscible [Mic03].

Immunology [Luc08]. Impact [PS02a, PS02b]. Impedance [MMM04].

Impenetrable [CM00]. Imperfect [BJJ02]. Implicit [BBP08, BP06a, Bar09b, Bea09, BDR09,
Iteratively [BHM09].

J [DGS03]. Jacobi
[BJ05, C09, WF08, ABg03, AM09b, BL03, CG00, CW08c, Fer03, GP09, Guo06, JKR01, KOT05, Lep00, Obe06, Ovt08a, Ovt08b, SV03, SD02, TCOZ03, Waa08].

Jacobi-Weighted [Guo06].

Johnson [Say09].

Joint [FR08].

Joseph [GR09].

Jump [CV05, GLL08, Hau08, sQlXsJjB05, WB00].

Jump-Diffusion [sQlXsJjB05].

Jumps [LL00, MSTZ08].

Kaczmarz [BK06].

KDV [She03, LL06, YS02].

Keller [BCC08, EK09].

Kelvin [BG05].

Kernel [Da08, Sch07, Wen09].

Kernels [AGH00, BPV01, CHX03, Lin06, PPT05].

Killed [Men06].

Kind [CMX02, L207, SV00].

Kinetic

[ADN00, BHH02, DJ05a, GT03, Jun00, MP03, WN00].

Kirkhoff [ACPC02a, Men09, dVNS07].

Knots [Rab00].

Kolmogorov [Cai03].

Korobov [WSD04].

Korteweg [MS01a].

Kronrod [PP00, dP07].

Krylov [Bad05, BWW08, EE06, KZO09, LS05, LW03, SS03a].

Kutta

[Bos07, BB00, BT02, BS03, CM08, CG08, DK08a, DMO07, DHV00, FS04, Guo01, HO08, Hig05, Hig06, HO05, Jay00, Jay07, R609, RS04, Sch02a, ZS04, ZS06].

L [Gue04].

L2 [yDLST06].

L2-Projected [yDLST06].

Lagrange

[AD09, BZX07, BK02, BR02, HSY04, LLF01, Mar05, SV02, SSTD05, Woh00].

Lagrangian

[Ayo02, Bes04b, Bes08, CS05, CF07, Fer03, Gu03, WW07].

Lagrangians [Dos05].

Laggerre

[ASXZ08, BBC08, She00].

Landau

[BBP08, BP06a, CD01, EW00, TJ00].

Laplace [DD07, Dos04, LS06a, LFPS06, OPR09, WT06].

Laplacian

[DK08b, Ju00, LY01b, LY02a].

Large

[Bad05, BM06, BIR09, FW09a, Fer03, JL02, LR02, QS08, RP02, SD09, XT06].

Large-Scale [Bad05].

Lattice

[FR09, KPS06, KJ08, SKJ02, WSD04].

Law

[HL01, Mis05, TW07].

Laws

[AJG04, AR08a, ADN00, AMT04, BC05, BHH03, Bre05, KBT09, CLG05, CGLGP08, DMO07, GM00a, yGpMT01, Kim02, LV08a, LV08b, LRR00, LW00c, MP03, Mic02, Mor01, MV00, NP00, Par01a, QS08, ThT00, TT03, Tow00, Tow01, WN00, ZS04, ZS06].

Lax [Kui01].

Layer [CL05b, Med00, ST03].

Layers [BDL04, BDL06, CW03b].

Leapfrog [KN08].

Least

[ARM01, ACS09, AM06, BY00a, BMMS05, BMM05, BG05, Cai00, CS02, CS03, CS04, CLW04, CK06a, CW08a, CMM03, CMMR03, DKS02, DS07, DL03, yDLST06, DLST07, GHS03, HDVV09, KMM00, KLS03, KS05, Lee99, LMW06, LW00a, Lin08, MMM04, MS01b, MS02, MA05, MRS00, MMSW06, RL09, Sta05, Sta07, Tha00].

Least-Squares

[AM06, BY00a, BG05, CS04, CLW04, CK06a, CW08a, DS07, DL03, yDLST06, DLST07, KLS05, Lee99, LMW08a, Lin08, MS01b, MS02, MA05, MRS00, RLK09, Sta09, Sta07].

Leffler [SH08].

Legendre

[ASXZ08, CYL08, MS00a, MS01a, Par01b, Par01c, SW04b, WML03].

Leibniz [dB03a].

Lemma [Chr05].

Leslie [BF05b].

Less

[DKW08].

Level

[FK01, He03, KW06, KT09, SGM01].

Lévy

[CV05, Kaw08].

Liapunov [BGR02].

Lie

[EFO1, Mar99, Ran08].

Life [KK02a].

Life-Span [KK02a].

Lifshitz

[BBP08, BP06a, EW00, FL03].

Like

[BR02, BGMV08, C09].

Limit

[DL08, KGDD05].

Limits [LR02].

Line

[AG09, Ovt08a, Ovt08b].

Line-search

[AG09].

Linear

[ACS09, AM06, BOLO0, Ber02, BF09a, BB09, BH08, BGP05, BH08, BP02, BP01, Bue07].
CS03, CDS03, CS04, CLW04, CZ09, Cao05, CH02, CHR04, DF09, Des04, Des09, DK08b, DS09, DZ02, DGLH04, ELL02, FLT08, FQ00, GM09, GS03a, GPAH07, GKK03, GP07, GH03, HDVV09, HTCP09, HM07, HRS03, IKT01, JW00b, KMM00, KS01b, KK00, LLRZ00, LRV00, LMW08b, Mat04, MTS06, MN05, Mer08, Pao07, PW06a, PW99a, PW99b, PW06b, SBBHP04, Sch09, SW03, SW00, SD05, Ste09, Van05, Wan00, WS07, dFN02, Dem06, LLK04, San00b.

Linearization [JPCH06, San00b].

Linearized [PYD06, TT00].

Lines [Jia04].

Lions [GH03].

Liouville [AGG06, GM01, JW06, WJ08].

LIP [LWW00].

Lipschitz [CM08, DLST07, MT05, SV02].

Lipschitz-Continuous [SV02].

Liquid [BFP08b, DGS01, LW00b, DGS03].

Lloyd [DEJ06, EJR08].

LMS [ER02b].

Lobatto [Hel09].

Local [AH06, BHPS09, Ber09, CCPS00, CW03a, CKPS01, CKSS02, DL08a, Daw02, DS09, DJLT09, GKK03, HW09b, HK09, JPCH06, Kun01, LY01b, LG09b, LW04, PW06b, RC01, San00a, WZ04, XS08, YS02].

Local-in-Space-timestep [Ber09].

Localization [GT03, HS07b].

Localized [Dem06, GM09, NSV05].

Locally [Arb04, BN07, BLS08, CGW07, ZP04, RY05].

Locking [ACPC02b, CCS06, HO09].

Locking-Free [ACPC02b, CCS06, HO09].

Long [HW09b, HL00, LL06, OP00, TW06].

Long-Time [HL00, OP00, TW06, LL06].

Look [RP03].

Lorentz [BF08].

Lossless [Jia04].

Love [ACPC02a].

Low [BJM09, BRS02, BG06, BS09, DL05, DHHN+03, Lov05].

Low-Frequency [BR02].

Low-Order [DHHN+03, BG06, Lov05].

Lower [Car05, HS08].

Lowest [BR09c, Voh07].

Lowest-Order [BR09c, Voh07].

Lubrication [ZB00].

Lubrication-Type [ZB00].

Lumping [CJRT01].

Lyapunov [DV02, SD09].

Lying [Bar09a].

MacCany [BIMV08, KK02a].

Macroelement [AS05b].

Macroscopic [CP05].

Magnetization [BW07].

Magnetodynamics [BPS09].

Magnetostatic [BR08, DLST07].

Magnetostatics [HL02].

Magnus [HL03a].

Majda [KB02].

Malik [Ese06].

Malliavin [KHY09].

Manifold [XY07].

Manifold-Valued [XY07].

Manifolds [IK08].

Manteuffel [FLT08].

Mapped [SW04b].

Mapping [MR07].

Maps [Bar05b, BFP08a, Bar09b, HT08, HTW09, Pie05].

Marching [AM09b, CFFM08, For09].

Markov [GM05b, SS00b].

Mass [BW07, BCC08, CJRT01, GLY00, GGGS08, Gui03, HW09a].

Mass-Free [HW09a].

Mass-Transport [BCC08].

Massic [Gib04].

Matched [BDL04, BDL06, CW03b, CL05b].

Matching [CDZ00, SBM01].

Material [Lin07].

Mathematical [CZZ06, MG01, PJ01, QVZ01].

Matrices [Be07, Chn00, GM06b, Lu09, Slo04, SS03b, BD07].

Matrix [BSC07, BR09a, B¨ot06, BWW08, DWZ09, EE06, GM06a, HHT08, Huh01, IZ05, KM06, LS06b, Sim05].

Matrix-Free [BWW08, GM06a].

Matrix-Vector [Sim05].

Max [FS01].

Maximal [CG00, Ge06, LB03, WF08].

Maximum [AD09, Bea09, CMS00, DDP00, DL09, DL08b, KK09, KL06, Kop01, Kop08, MP02a, Rod07].

Maximum-Norm [MP02a].

Maxwell [BBP08, BB01, BR02, BF08, Bu05, BP06b, CDZ00, CDZ03, CE05, DJLT09, GPD04, HL02, HPS04, HM02, HZ03, Nic01, VV04].

Mean [Du00, For08, HY00, Hig00, LN05].

Mean-Square [Hig00].

Measure [Bar04, DGH03, MPPS02].

Measurements [FGS07, K¨ug03].

Mechanics [Hau02, Hau08, Vic04].

Media [BK09b, Med02, MT04].

BKO5b, CHD07, Che00, CDZ03, CE05,
DPvDC08, ELS+02, KS05, KT08, LSY03, Mic03, MX07, NV04, SS07, SW05b, WD00.

Medium [EL08, EJS09, HO08, MMS03, NT02, Oc02, Wan08].

Memory [CP03, PF02, PFF08].

Mesh [AH06, AK07, CCGHR03, Ca07, DK99a, DWZ09, DL02, EP08, GM06b, GGHS08, JR05, LBD+03, PS08, TT03, WSD05].

Meshes [AC03, BR05, BLS05b, Ca07, CDZ00, CDG08, DDO07, DJ05b, EHL07, GS07, Ku01, LRV00, MPP03, Nic01, QZZ07, TV05, WH08, WZ07].

Meshfree [LV08a, LV08b, KL06].

Meshless [GW07, LS08, Sch07].

Method [AG00, Ach02, AM09a, AR08a, AW09, AB03, ACPC02a, ACPC02b, ADF09, An05, AA08, AR02, AM06, Aya00, AGAN05, ASXZ08, Aza02, BG01, BNT07, BTW03, Bad06, BL00, BJ03, BW07, Bar09a, BFW09, BBFP07, BP06a, BM09, BL01, Bea04, Bel00b, BMM01, Bel04, BMP09, BR02, BRS08, BD03, BF09a, BB09, BG04a, BGR02, BL05, BGP05, BH08, BD09, BLS08, Bre05, BLS05b, BP08, BHS06, BM02, BF06, BZ06, CK01, Ca03, CPR+03, CK06a, CX08, CW08a, CLG05, CS07, CMR09, CTU09, CHX03, CW09a, CFFM08, CKNS08, CCGS00, CGLGP08, CS05, CW07, CL05a, CW03b, CS08, CYL08, CKR07, CT00, CD03, CKPS01, CGW07, CG08, CDG08, CGSS09, CF03, CP03, DZ09, DP00, Daw02, DD07, Den08, Deu07, DK08b, DV05, DS09, Dso04, Du00, DG00, DL03].

Method [DLST07, DJLT09, EHW00, EE06, EP08, ELL02, FNO9b, FN09a, For09, GAT00, GL00, GG09, Gic05, GP09, GP00, GST06, GL00, yGPMT01, GH03, Gu06, GS07, Gu09, GZ09, HV00, HW03, HR09, HL02, He03, HLP08, Her03, HR00, Hig00, HK09, HL03b, HL09b, HZ00, JZ06, JPCH06, JK09, JY09, Kac01, Kal00, KR05, KLVP01, KK02a, KLS03, KDW08, KS08a, KS01b, KS05, Kwe00, LS09, LN04, LS07a, Lee04, LS06a, LM07, LF99, LX09, LS02, Liu00, LLK+04, LMTY04, LFPS06, Lu99, LO09, MS00a, MS01a, MST00, MP02a, Mar05, MTW02, Man09, MT04, Med07, MS09, MV00, MX07, NS09, NTW08b, NP05, Oel02, OR04, ORG09, Ovt03a, Ovt03b, PF02, PYD06, PJ01, PJ02, PS04, Pie05, sQtXsJb05, QX06, RP02, RW05, Rin01, Rin03, Ris01, SRTT05].

Method [San09, San00a, San03, San00b, Sch00, Sch05, SS00a, Seg02, She03, SLS09, SWL09, Sou05, St05, Ste05, Sto09, SL99, TW07, Tha00, TK01, VV08, VW04, Wal05, WZ04, WZ05, Wan07, WS07, WSD05, WY05, WY06, WB00, WT00, Woh00, WK01, WZ08, WML03, Xu00a, XLC02, XS08, YS02, Yan06, Ye04, Ye06, YD08, YA05, ZS06, ZLATS08, Zor00, dFN00, dFN02, dFGAN08, vdVIB07, Dar00, KL06].

Methods [AG09, AJG04, AC00a, AM09b, Ani09, AD09, AS02, AVB06, ACWY00, ABM02, AKW05, ALNO07, AD02, AM09c, Bad05, BHN09, BK00, Bea09, Bel00a, BSES05, BM06, BHL03, BLS+05a, BBD02, Bel02, BEL08, BMH07, BCM04, BG05, Böh08, Bos07, By06, BW08, BP01, BK06, Bur05, BF09b, BS09, BB00, BT02, BL09, BS03, CS04, CLW04, CCGHR03, CLT05, CCS06, CW08b, CDZ00, Che00, CNQ00, CD01, CE02, CCM02, CC04, CG05, CM08, CWX09b, CK00, CCK01, CCKK02, CY07, CW06b, CE05, CE06, CE09, CKSS02, CG04, CG09, CGL09, CHR04, CS01, DDU02, DK09a, Daw06, DM06, DK08a, DF09, DMO07, Dem09, DQV07, DJ05b, yDLST06, DL02, EW00, EO02b, EK09, EG06a, EG06b, EG08, ELF00, ELS+02, FLL+06, Fen00, FK01, FW09a, FN09a, FS04].

Methods [FS09, FS01, FSL05, Gan06, GH07, GHS03, GMM07, GL08, GPA07, GKS00, GKL09a, GKL09b, GLLQ20, GP07, GS03b, Hac07, HW09b, HL00, Hel09, HX00, HML02, Hig05, Hig06, HS02, HO05, HOS09, HM07, HK07, HSS00, HSM03, HS07b, Huh01, HRS03].
Jay00, Jay07, JD04, JR05, KOT05, KF03, KLR06, KM03, KL05, KWD02, KHP02, KV02, KK00, LV08a, LMPQ04, LW00a, LFB02, LRRZ00, LS08, LBD+03, LSTZ07, LY09a, LS06b, Lu99, MST05, MS01b, MS02, Maj05, MMRR06, MMR06, Mar01, MTW03, MM03, MF01, Mat04, MRT06, Med02, MN05, MV03, MRT02a, NS03, Nic05, Nic06, Not07, PFF08, Pao01, Pao07, PS03, Par01b, Par01c, PW99a, PW99b, PSWS08, DEG08, PZ04, Pon07, Pro08b, QZZ07, Ran08, Ric02, Rin00, RSZ01, RWY07, RS04.

Methods
[RLK09, SFNW05, SV02, SV05, SS07, SS08, Sch07, SW04a, SS09, SM08, SV03, She00, SW04b, SS03a, Sim05, SD09, SR02, ST06, SW05b, SD02, TT03, THBS09, Tha08, TF04, VO02, WY01, WY07, WW08, Wen05, Wn09, BDD, W00, WD00, XH05, XT06, Yan05, ZS04, Zha08, Zh01, ZLAT09, dV04, dFGAN09, BW06, Par06]. Metrics [MFEM].

Micromagnetics [CP05]. Mimetic [BLS+05a, BLS05b, CMR09]. Mindlin [ACPC02b, Cai00, Car02, Lov05, SS09, dV04]. Mini [PS08]. Minimal [CH02, GS00, HS09, LWX00, LPWE05]. Minimax [VZ04, Y027]. Minimax-Newton [W04]. Minimization [Bad06, DK00, FS09]. Minimizers [Nik02]. Minimizing [HW09b]. Minmod [KPT05]. Minmod-Type [KPT05]. Minvar [GKK03]. Miscible [BJM09, CHD07, Cha07]. Miss [AGG06]. Miss-Distance [AGG06]. Mittag [SH06]. Mixed [AD99, AC00a, ACPC02a, ACPC02b, ACWY00, AW05, AB06, AGAN05, BJT00, Bel00b, BSES05, BDG06, BG04b, CPR+03, CMX09, CHD07, CK00, CKK01, CG04, CGL09, DP00, DK99a, Dem02, DV05, DL03, ELW02, ELS+02, FLL+06, FN09a, GH00, GMM07, GSWY08, HP04, HS08, JRW02, KS05, KK00, LW00a, LBD+03, LNY08, MX07, NS01, PF02, PW06a, PW99b, RPK04, Raf05, RSS07, Ria03, RWY07, SRT03, SEL09, Sta07, Ste00, Voh07, WY05, WY06, WD00, YD08, dFGAN08].

Mixed-FEM [GH00]. Mobility [BBG99]. Model [ACPC02a, ACPC02b, Aya00, AD02, BNS04, BFP08b, BRM03, BB07, BCC08, BHD06, BIR09, BHN02, BIVM08, CQ09, CP05, Che00, CD01, CW08d, DJ05a, Du00, EK04, EK09, EB08, Fen06, GM05a, KB02, LBH03, Luc08, MX07, NJS07, OR04, P099, Pin04, sQlXsJjB05, SS07, WW08, dV04]. Modeling [BPS09, CHD07, DGS01, EGGM05, QVZ01, WD00, DGS03].

Modelling [SSTT05]. Models [CV05, GT03, HPS05, KS08b, RP02, XT06]. Modes [Sou05]. Modified [AB08, DF09, FN09b, FDFD09, HKY00, SW09, dV04].

Modular [RP02]. Mollified [SS08]. Moment [ACPC02a, DS99, FN09a, HMY07, RSZ01]. Monge [FN09a]. Monotone [BJ05, EK00, HK07, JW00a, KT08, LHB03, Waa08]. Monotonic [Da08, Her03, MST07]. Monotonicity [HR03, Spi07]. Monotonicity-Preserving [HR03].

Monte [ALNO07, BMPO09, Dic07, Dic08, YH06]. Moore [Du08]. Moreau [HH09]. Morgan [DFK00]. Morley [XLC02]. Mortar [Ach02, Bel00b, BM01, BDW09, DP06, GSWY08, GP00, KLPV01, KL05, KW06, Kim08a, KDW08, Kim08b, KT09, Mar01, Mar05, RBX08, WY05, Woh00, WK01, Woh05, XLC02, XH05].

Motion [DL09a, For08, Men06, PY06, SSTT05, UY00]. Motions [Leo01, PR01]. Moving [Arm01, DL02, LBD+03, Pie05].

MR1860443 [DGS03]. Multiblock [ACWY00]. Multibody [HH05].

Multidimensional [ADN00, BL03, KHY09, PS02b, TF04, WSE01]. Multidisciplinary [DG00]. Multifield [EG08]. Multigrid [AS02, Beu02, BDW99, ByS06, FV04, GP00,
Multilevel [Ait05, AH06, Bad06, Ben04, BPD08, CWX09b, CMM03, CMMR03, DE08, MMRR06, MMR06, Pf00, Sar03].
Multimodal [Ait05, AH06, Bad06, Beu04, BPD08, CWX09b, CMM03, CMMR03, DE08, MMRR06, MMR06, Pf00, Sar03].
Multiple [KMS05, WZ04, WZ05, YZ07].
Multiplicative [BTW03, MST00, NS03].
Multiplier [KLPV01, SV02, Woh00].
Multipliers [ADF09, BRS02, CS05, HSY07, Mar05].
Multiply [DLST07].
Multipoint [WY06].
Multipole [BL05, Sar03, Dar00].
Multiprecision [BHSI08].
Multiresolution [CLG05, GM08].
Multiscale [ABV06, AB06, BHS06, CCZ02, CET09, CS08, EHW00, EGR*08, G09b, H07b, JPT00, Lin06].
Multisection [HLP08].
Multistep [Ber02, BD07, BW06, Han06, HRS03, MST06].
Multivariable [BL05].
Multivariate [DLP05, PDP06, Rab00, TWB07, dB03a].
MultiWell [GP99].
Naghdi [BB07, BHD06].
Natural [Dep08, Gug01, HS02, L08].
Navier [AG00, AGAN05, BACF06, CMX09, DR08, Dep08, EHL07, Fen06, FGNQ02, GR09, GGGs08, GM00b, GL00, He03, HS07a, HL09b, JLM08, KR05, KRL06, Kweo06, Lin00, LW07, LCNY08, Man06, Med07, NP05, NS05, Pro08b, Reb07, SV05, TT00, TW06, Xu00b, Xu00a, dFN00, dFGAN08, dFGAN09].
Near [BV08, Ker06].
Near-Interpolation [Ker00].
Near-Linear [BVH08].
Near-Linear Interpolation [Ker00].
Necessity [Wan01].
Nécédic [AC03, Say09].
Negative [BCT00].
Negative-Order [BCT00].
Nematic [BFP08b].
Nets [DLP05, PDP06, YH06].
Neumann [KPY04, YA05].
Neumann-Type [YA05].
Neutral [WM08].
Neutron [MRS00].
Newton [An05, BH09, BWWW08, BK06, G09a, GLQZ02, HDVV09, Jay00, Kal00,KF03, LF99, PSWS08, Rie05, WZ04, WSD05].
Newton-Based [LF99].
Newtonian [CLW04, DPR06, E07].
Nicely [D07].
Nicolson [HS07a, He03, Rod07].
Nicolson/Adams [HS07a].
Nodal [AB08, BFV09, HC07].
Node [LO09].
Non-Differentiable [CNQ00].
Nonglobally [MT05].
Nonhomogeneous [CDZ03, CE05, GL08].
Nonlinear [AR08a, AB00, AG04, Ay00, A0D2, Bad05, B03, BH09, BM06, BB02, Bes04a, Bö08, BH08, BK06, CT00, E0W00, Gre07, HWW02, HS08, KT03, Lov05, PS03, Wan01, Xu00b].
Nonconservative [MP02b, TZ99, Par06].
Nonconvex [ABFM04, Bar04, CL05a, San09, Tow01].
Nondegeneracy [EJR08].
Nonlocal [AADL07].
Nonlocality [BJ03].
NonLinear [ACWY00, Bel04, CMS00, CDZ00, RBX08,
Nonmixed [CT00]. Nonmonotone [GP07, LLK+04]. Nonnegative [SBM01]. Nonoscillatory [BC05, LSTZ07]. Nonoverlapping [BD03, Den03, DG00, Du01, GH03, HZ03, QX06]. Nonquadratic [Bad06]. Nonreflecting [AGH00]. Nonsimply [RD03]. Nonsmooth [FK05, GK09a, Mel05, Nik02, SEL09]. Nonstationary [LCNY08, Pro08b, Ver05a]. Nonstiff [TJ00]. Nonsymmetric [BD07, LN04, SW05b]. Nonuniform [ST06]. Norm [Bea09, CMS00, CK06a, Car05, DDP00, DM06, DLM09, Dep08, Kop01, Kop08, LMW06, LMW08a, LWX00, LY01b, LY02a, MP02a]. Normalization [KGDD05]. Note [DFK00, JW00b, Ven09, Ver09]. Nozzle [KT05]. Numbers [DM06, Fer03, SW05a]. Numerical [Abg03, AS05a, AC00b, BW07, BHP09, Bel00a, BN06a, BRLM03, BCM04, BJ02, BGR02, BBMZ09, BJL03, BDS01, BM02, BL09, Ca03, CMX09, CG00, CZZ02, CHK01, CP00, CP05, Che00, CHS00, CF03, Cop07, CP03, DR08, DDE03, DPPvDC08, Dic07, Du00, DZ02, EW00, EF01, EL07, EHR07, ET05, EG03, EGG05, FL03, FGNQ02, FVV08, GK05, GK00, GM01, HL00, HW03, JH03, HL02, Her03, HM07, HSM09, IZ09, JPCH06, JL02, Ju00, Jin01, Kim02, KT05, Kup06a, Kup06b, KGDD05, LMR+05, LWW02, LW00, Liu06, LW07, LPSS00, MSZ08, MG01, Man06, MRR06, MP02a, Maur09, Med00, MRT02a, MT05, NP00, NS09, Ort09, Pap01, Pap07, PS02a, PS02b, Par06, PR00, Par01a, PJP02, PS04, QVZ01, RC01, Rou00, STWW03, San00b, SV08, SH08]. Numerical [SS00b, SW00, SD09, SVW01, Sp07, SD02, THBS09, Thu08, VO02, Waa08, Wan07, WM08, XZ05, ZB00, ZLAT08, ZLAT09, kDH07]. Numerics [HLP08]. Nyström [MM03, SM08]. Nyström-Type [MM03]. Obstacle [Nou01, Vee01]. Ocean [Med00, Med07]. Odd [She03]. Odd-Order [She03]. ODE [Lan05]. ODEs [DGK03, GS03a, NJN07]. Oil [Che00]. Oldroyd [PYD06]. One [ALNO07, Bes04b, Bes08, CN01, DL09b, GH03, GM00a, JR05, Kop01, KS01b, Lin08, MP02b, PYD06, PS02a, PZ04, Reu03, San03, TJ00, TT03]. One-Dimensional [Bes04b, Bes08, DL09b, GM00a, JR05, Kop01, KS01b, MP02b, PS02a, PZ04, San03]. Open [GMS05]. Operations [Böt06]. Operator [BGMV08, BR05, Bu05, CET09, CW08c, CNQ00, DD07, ETW08, EGR+08, HPS04, JKR01, JK09, KR00, KM06, Luc08, Olv09, PR00, SGM01, Ste03, Tha08, ZA04]. Operator-Based [KM06]. Operators [AK07, DGS08, DGS09, FLT08, FSL05, Gei06, GM09, JW00b, KP03b, KK02b, Par01b, Par01c, Tod06]. Optics [JW06, PJ01, PJ02, Sto09]. Optimal [ADGK03, BT00, BDR09, BH09, BH05a, BH07, Cao07, CKNS08, CCS06, CYL08, CE06, CE09, CDG08, DDU02, Dem02, Den03, DER07, DL09b, DHV00, Dos05, GH03, GGH08, GS07, HK01, HW05, IK08, JCK08, Kaw08, KN08, KDZ09, KS08a, LMTY04, MS01a, MP01, RF03, Rin09, RV06, RLK09, SD05, SR02, Ste05, ST03, Wan00, WSE01, Wan08, WML03]. Optimal-Order [Wan00, WSE01, Wan08]. Optimality [AH06, San03]. Optimization [Ani09, BR09b, CU05, DG00, Du01, GK09b, GL00, HS07b]. Optimization-Based [BR09b, DG00, GL00]. Optimized [Gan06, GH07]. Optimizing [WT06]. Option [ALY01, CV05, WZ08]. Options [HW03, JD04, sQIXsJb05]. Order [Abg03, AR08b, AM08, AW05, ADBN08, ACS09, BC05, BGM07, BOS05, BN06a,
Perimeter-Regularized [Hac07]. Periodic [Bue07, CW03b, Dic07, DGK03, KGDD05, Pao01, ST06]. Periodic-Coefficient [Bue07]. Perona [Ese06]. Perron [JK09]. Perspective [ET08, Jun00]. Perturbation [AQR06, ABFM04, SS00b]. Perturbations [Sch05]. Perturbative [Bar09a]. Perturbed [Cai00, KS01a, Kop08, Lin08, Lin09, Not07, Pal04, WW07]. Petrov [MS00a, MS01a, CS05, LLRZ00, She03]. Petviashvili [PS04]. Phase [BNS04, CP00, Cha07, Fen06, GR07, Mic03, WWL09]. Phenomena [NT02]. Photonic [Sou05]. Piecewise [ACDD05, Bre03, BPV01, CZ02, ELL02, FQ00, GKK03, Han08, HSW05, Kim02, MG05, PPT05, PW09, RHA03, SW03, ThT00, WJ08, WB00, Dem06]. Pieri [LWW02]. Pitkäranta [LV04]. Pivoting [Pe˜n03]. Pivots [Pe˜n03]. Planar [BACCF09, Cop07]. Plane [AD09, BT00, CM01, HS08, KRW08, MGP00, MS00b, MMS03, PW06a]. Plastic [BMPT09, Gie05, Hla01]. Plasticity [Sta07]. Plate [ACPC02a, ACPC02b, Cai00, Car02, HhW02, Mar01, RHA03, SS09, XLC02, dV04]. Plates [DHHN+03, Lov05, dVNS07]. PML [ADGK03]. Poincaré [Bre03]. Point [C00, CN01, DDU02, DL06, DK99b, GKO9a, HSY04, HTW09, MTW03, Sch05, Seg02, SLS09, SdS06, KL06]. Points [BPS09, Gib04, GS03a, LZ08, Sid00, TWV00, T WB07, Vic04, WJ04, WOZ05, YZ07]. Pointwise [AG03, CC04, Che06, Dem09, LRV00, Sch00, SW03, Dem06]. Poisson [AB08, Bes04b, Bes08, BG04a, BG05, CK01, CHX07, DL08, EF01, Fil01, Hau02, Hau08, Rin03, STTW03, SBBHP04, VVD06, WO00]. Pol [SM08]. Polar [IZ05]. Polyconvex [Bar05a]. Polygon [Can05]. Polygonal [CL05a, Say09]. Polygons [CWL07]. Polyhedra [HS02]. Polyhedral [BLS05b, KK01, Per02]. Polymer [Bur01]. Polymers [RS06]. Polynomial [AG05, BHPS09, Boy02, BPV01, CL00, DGS08, DGS09, GM09, GZ09, KZ04, NZ04, PPT05, RHA03, SVW01, SVW02, SVW04, Xu03, YD08]. Polynomials [Bal03, BX02, DR05, ELL02, GS00, PY04, PD05, dP07, BX07]. Polyttopes [GS05]. Population [Aya00, AD02]. Pore [DPvDC08]. Porous [CHD07, Che00, DPvDC08, EL08, EJS09, ELS+02, HO08, KS05, KT08, LSY03, Mic03, MX07, NV04, Ocil02, SW05b, Wan08, WO00]. Poroviscoelastic [SS07]. Posed [BK06, CL00, FSL05, Kal00, LLLF01, Mat04, NS05, PS05, Rin01]. Posedness [AR02, BK03]. Position [RSZ01]. Positive [CDS03, DK99b, PF02, PFF08]. Positive-Type [PF02, PFF08]. Positivity [Ji01, ZB00]. Positivity-Preserving [Ji01, ZB00]. Possessing [BGMV08]. Possible [PP00]. Posteriori [Ain05, AIn07, BX03a, BX03b, Ber09, Bur09, CTU09, CET09, Car02, CTO05, CHO07, DR08, DLM09, EP08, ETW08, EGR+08, FV03, GM00a, KP03a, Kop01, Kop08, LN05, Lar05, LY01, LY02b, LYO2a, LLK+04, LMTY04, LY09b, LW04, MN03, NZ04, Nic05, Nic06, NSV05, OP09, Ort09, RSS04, RS07, Vee01, Ver05b, Ver05a, Ver09, Voh07, WY05, Dem06, Med05]. Postprocessed [AGAN05, dFGAN08]. Postprocessing [GAT00, HL09b, LS07b, MTW03, RV06, Yan06, dFN02, dFGAN09]. Potential [DD04, PD05, ZaY04]. Potentials [BRS08, RD03, WJ08]. Power [UY00]. Practical [MT09]. Prandtl [CW08d]. Precipitation [DPvDC08]. Preconditioned [AB03, AN05, BHN09, BD07]. Preconditioner [BPD08, CN02, DL06, DDP06, KL05, PW06a, Rei03]. Preconditioners [Ait05, AH06, Ber02, BN07, BHV08, CDS03,
Preconditioning [CS99, HX07, KF03, KP03b, Ovt03a, Par01b, Par01c]. Predicted [LS02]. Prediction [HK01]. Predictor [BT02, Rin01]. Predictor-Corrector [BT02, Rin01]. Premixed [KB02]. Prescribed [Chu00]. Presence [BDL06, GGHS08, Raf05]. Preservation [Ran08, THBS09]. Preserving [BBFP07, CP08, DLV08, ER01, Han08, Hig05, HRS03, JWW06, Jn01, LW06b, MG01, MRT02a, NZ04, RS04, SS00c, SR02, TF04, WJ08, Yu06, ZBO0]. Pressure [BC06b, BG04a, BF09b, DL03, GMS05, Pro08b, SV05, STWW03, W00]. Pressure-Correction [GMS05]. Pressure-Poisson [BG04a]. Pressureless [BJL03, CKR07]. Pricing [CV05, WZ08]. Primal [AC00b, BEL08, C007, DL06, GMM07, KWD02, TV05]. Primal-Based [DL06]. Primitive [Med07, STWW03]. Principle [For09, KK90, KL06]. Principles [BG05]. Prior [CCPS00, Des04, ERG08, HW05, JRW02, L000, MPP03, RW01, RV06]. Problem [ALY01, AGW04, AM08, ABV06, AC09, ASX08, BT00, BMN02, Be00b, Bel04, BMPT09, BDRS00, BR08, BC06b, Beu02, Beu04, BBM09, B06, BK03, Bur01, BS02, CS04, CS02, Che06, Cod09, CHL09, CF03, Cop07, DLO8a, DP00, DH07, Dos04, DK99b, DHG04, DLST07, DJLT09, EL07, ETW08, Fen00, FGS07, GMM07, GF09, G03, GM0b, HhW02, HR07, Hla01, Huh01, KLS03, KS08a, Kop01, KS01b, Kop03, Ko8, KS05, KPY04, Kun01, LM07, LWX00, LK04, MG00, M02b, MG05, N01, OR04, Rod07, RL09, San03, Sch02b, ST03, TT00, VVD06, WY01, W09, Xu00b, XCL02]. Problems [AG06, AG03, AB00, AB03, Ait05, ADF09, An09, AA08, Ar04, AW05, ABC02, AK09, AKW05, AM09c, A02, BC09, BS07, BY08a, Bar04, BJM09, BH09, BK02, Bea04, BJ00, B00a, BSES05, Ber04, BZ02, BN06a, BN06b, BMMS05, BMM05, Ber02, BCT00, BN07, BD03, BMR07, B04b, BH08, BL08, BL05b, BHS06, B06, B08a, BS09, CW04, CW08a, C09, CM00, CGH03, CCF09, CCPS00, CS05, CP07, CEJS02, CW03a, CC04, CL05b, CS08, CYL08, IC00, CK00, CY07, CKPS01, CG04, CGS09, CGL09, CD03, CHR04, C10, Cou09, DD02, DKS02, DZ08, DDP00, DDO07, Dem09, DLM09, DDP06, DS09, DMW01, EP08, ELM00, EG03, FLL06, FK01, FV08, FSL05, GH07, GG09, GL08, GK09a, GM01, Gr07, GP07, Hac07, HW09a, HB00, HS00, Her03]. Problems [HR00, HH09, Hip02, HM06, HO05, HQ09, HRW01, HSS00, HSY04, HW05, HMS09, JV03, Kac01, K000, K03a, KP07, KF03, KS01a, Km08, Km08b, KWD02, KZD09, KT03, KW01, K000, L04, LS07a, Lee99, LMP04, L06a, LMW06, LFB02, Lin08, LR00, LY01a, LY02b, LMT04, LY09a, LY09b, MKB07, MS01b, MS02, MA05, MR03, M000, MP02a, Mar01, Mar05, MP01, Mat04, Med02, MT04, MPP03, MG03, Nic06, NVS05, Obe06, OP00, Ovt03a, Ovt03b, Pal04, Pao01, PS02a, PS02b, PS03, Par01b, Par01c, PS05, PZ04, RSS04, RSS07, Run09, RWG01, RC01, San06, SS00a, SP02, SW00, S05, SD05, Spi07, SS03b, Tha00, Tid02, V01, WW07, Yan06, Ye04, Ye06, Zh001, BW06, Dem06]. Procedure [AG06, Den03]. Process [Sid00]. Processed [BCM04]. Processes [GM05b, G01, K08, KS08b, R00]. Processing [DM08, Nik02, VO02]. Product [CN01, VV08, W01]. Products [BT00, Sim05]. Profile [HM07]. Profiles [V01]. Programming [Dos05, JCK08]. Projected [yDLST06, DJLT09, KL08]. Projection [AG00, AAL09, BHN02, DM06, GS03b, HS07b, Kal00, LS06b, MMRR06, MMR06].
Projection-Regularized [Kal00]. Projection/Lagrange [AG00]. Projections [CW03a, HTW02, XTH07]. Prolate [CGH05]. Prolongation/Restriction [BR05]. Proof [GKK03, WN00]. Proper [KV02, LCNY08, RP03]. Properly [LLF01]. Properties [Bea09, CW08d, CP03, Ese06, HZ07, Sch02a, Ste07, Vas01, Ven09, XY07]. Property [FS04]. Proximity [Gro08]. Pseudo [DKIK07, FK05]. Pseudo-Arclength [DKIK07]. Pseudo-Transient [BK05]. Proof [GKK03, WN00]. Proper [KV02, LCNY08, RP03]. Properly [LLF01]. Properties [Bea09, CW08d, CP03, Ese06, HZ07, Sch02a, Ste07, Vas01, Ven09, XY07]. Property [FS04]. Proximity [Gro08]. Pseudo [DKIK07, FK05]. Pseudo-Arclength [DKIK07]. Pseudo-Transient [FK05]. Pseudospectra [JW00b]. Pseudospectral [KLS03, SW04b, Slo04]. Pseudotransient [KLQ08]. Quadratic [AG03, BDRS00, Dos05, Ova07]. Quadrature [AY02, BNV06b, BP05, GM09, HT08, HC09, MM03, PP00, Peh09, TBW07, YH06, dP07]. Quadratures [Bal03]. Quadrilaterals [ABF05, BR09c, CKK01, DHHN08, MNS09, PS03, Xu00b]. Quadrilaterals [AP02, AC03, BLS03]. Quantitative [CP03]. Quantization [DE08]. Quantum [AY02, DZ08, GM05a, MST07, PU99, Pin04]. Quartic [DS02, Han08]. Quasi [BD07, CKNS08, CW03a, Di07, Di08, EL07, GLQZ02, GP07, GS07, HDVV09, KF03, KS01b, KK00, Lin07, LR00, LY01b, LY02a, LLK04, Med00, Pao07, RC01, San03, San00b, VV08, YH06]. Quasi-Continuum [Lin07]. Quasi-Geostrophic [Med00]. Quasi-interpolation [VV08]. Quasi-Linear [GP07, KS01b, KK00, LR00, Pao07, LLK04, San00b]. Quasi-Monte Carlo [Di07, YH06]. Quasi-Newton [GLQZ02, HDVV09, KF03]. Quasi-Newtonian [EL07]. Quasi-Norm [LY01b, LY02a]. Quasi-Optimal [CKNS08]. Quasi-Static [RC01]. Quasi-Toeplitz [BD07]. Quasi-Uniform [GS07, CW03a]. Quasicontinuum [DL09b, LO09]. Quasilinear [MMRR06, MMR06, MGP00, Dem06]. Quasilinear [DLBV08]. Quasistatic [SW00]. Radial [PD05]. Radiation [HW09b]. Radon [XTH07]. Random [BNT07, BHM09, CS08, HZ07, Han02, Han08, KS08b, NTW08a, NTW08b]. Random-Start [HZ07]. Randomly [SK02]. Range [Bal03]. Rank [KJ03]. Rapid [AGH00, BS08]. Rapidly [CCZ02, SV08]. Rate [BTW03, Bad06, CKNS08, JKR01, KDZ09, Rim09, Waa08]. Rate-Independent [Rin09]. Rates [AK07, BMRR07, DDU02, Gris03, LW00c, MS09, Rod07]. Ratio [AC00a, Cao05]. Rational [BT00, Gib04, Han08, KDZ09, LS06b, ST07, SWL09]. Raviart [BR09c, DL08b, BXX08, WTW01]. RBFs [FW09b]. Reaction [AM09c, BNV06a, BNV06b, BZ06, Bur09, CDG08, GH07, Kop08, Lin08, LPW05, Luc08, Nic06, Rou00, Voh07, WSE01]. Reaction-Diffusion [Kop08, Lin08, Luc08]. Reactive [SW05b]. Real [Boy02]. Reconstruction [AKKL05, LSTZ07, MN03, ST06, XZ05, XTH07]. Recovery [BZ07, C09, CKK02, ET08, FR08, NZ04, Ova07, WZ07]. Recovery-Based [CZ09]. Rectangular [AM08, AW05, BCDD06, CK00, FLL06, Gre07, H05, RWY07, Zha09]. Recursive [Chn00, G09b]. Reduced [CTU09, Dep08, GMR07, IK08, RP02]. Reduced-Order [HPS05, IK08]. Reduction [CS01, KDZ09, KHP02, LS05, MT09, Pal04, RSS04]. Refinable [Che02]. Refined [BS07, LW00a, dFGAN08]. Refinement [AH06, AS02, Cao07, EP08, ...
GM06b, GGHS08, JR05]. **Refinements** [KK01]. **Reflections** [JW06]. **Regimes** [GT03, KU02]. **Region** [BM06, GK09b, Hig99, AG09]. **Regions** [HSW05, SN04]. **Regression** [MT09].

**Regular** [AGG06, CS99, DKW08, Gro08, TV05]. **Regularity** [AGG06, CS99, DKW08, Gro08, TV05]. **Regularization** [BHMR07, Bur01, CL00, DL08a, Egg06, Egg08, FSL05, FDFD09, HH09, HM07, IKT01, LS02, MP01, Mat04, PS05, Rie05, Rin01, SGM01, SWB04]. **Regularized** [BHM09, FV03, Hac07, Kal00]. **Regularizing** [BK06].

**Rehabilitation** [BR09c]. **Reissner** [ACPC02b, Cai00, Car02, Lov05, SS09, dV04]. **Related** [Bal03, GM01, HHT08, Huh01, Med07]. **Relation** [Ain04]. **Relative** [Thü08].

**Relaxation** [BK00, Bes04a, CNPS07, GH03, GH07, JW00a, JW00b, JPT00, LRR00, LW00c, LWW00, LW03, NP00, Par01a]. **Reliable** [BLO00, Bar05a, Hac07, Hla01, Vee01]. **Remarks** [Buf05]. **Renormalized** [LV08a, LV08b]. **Representations** [Hig05].

**Residual** [CS07, Car02, FJM07, HL09a, Ris01, San00a]. **Residual-Based** [Car02]. **Residual-Free** [FJM07, San00a]. **Residual-Free-Bubble** [CS07]. **Residuals** [VV09]. **Resolution** [SSZ07]. **Resonance** [HN09, Nou01]. **Respect** [Sch05].

**Restarted** [EE06]. **Restricted** [CS03, FS01, NS03]. **Restrictions** [FS04]. **Results** [AS05a, BBM01, BMZ09, BH07, DL09a, MMR06, MMR06, YZ07]. **Retarded** [DD04]. **Revisited** [WSD05].

**Richards** [RPK04, Richardson [FLL+06, Sid00]. **Riemann** [Nou01]. **Rigid** [ADZ01, SSTT05]. **Rigorous** [HJ03, JCK08, NS09]. **Robin** [QX06, DQV07, Lee99]. **Robin-Type** [QX06]. **Robust** [Ain05, KS01b, MT02, Med02, MT04, Pfl00, Tod06, Ver05b, Ver05a]. **Robustness** [Grii03]. **Rootfinding** [Boy02]. **Roots** [DR05, ER02b]. **Rosenbrock** [HOS09]. **Rosenbrock-Type** [HOS09]. **Rough** [HL08]. **RT** [AP02]. **Rules** [Dic07, Dic08, DK09b, HC09, KJ03, LO09, MM03, SKJ02, WSD04]. **Runge** [Bos07, BB00, BT02, BS03, CM08, CG08, DK08a, DMO07, DHV00, FS04, Gug01, HO08, Hig05, Hig06, HO05, Jay00, Jay07, Röb09, RS04, Sch02a, ZS04, ZS06].

**Saddle** [IC00, DDU02, DL06, GK09a, HSY04, HTW09, SdS06, WZ04, WZ05]. **Saddle-Point** [IC00, HSY04, SdS06]. **Safe** [LMR+05]. **Saffman** [GR09]. **Sampled** [AGY05]. **Sampling** [BT07, Kaw08, ST06]. **Satisfaction** [JVD02]. **Satisfying** [AD00, DS09]. **Saturated** [SS07, WD00]. **Saturation** [Mat04]. **Scalable** [KD07]. **Scalar** [Bar04, BR08, Bre05, CMMR01, GM00a, Kim02, LV08b, MP03, Mis05, MV00, QM08, TW07, ZS04]. **Scale** [Arb04, Bad05, DZ08, DPDC08, Egg08, LZ07, RP02, HS07]. **Scaled** [Peñ03]. **Scales** [Egg06, MP01, OZ08]. **Scaling** [DD06, MST05]. **Scattered** [LS09]. **Scatters** [CM00]. **Scattering** [AM06, BGS05, BH05b, BH04, CWL07, CW03b, CL05b, CM00, HLP08, HP03, HN09, SW09]. **Scheme** [BACCF06, BACCF09, BNV06b, BDR09, Bes04b, Bes04a, Bes08, BCC08, BHN02, BKT09, C090, CHD07, Cha07, CW08d, CRK08, CV05, DK08a, DDE03, DLV08, DPDC08, DPR06, DM08, DGH03, DE08, Ese06, EGGM05, EHL07, Fil01, For08, GGGS08, HR06, HNM02, JW06, Jü01, Kim02, KU02, Kop03, Kü01, LV04, Le01, LW00, LW06, MPPS02, Mic03, MP02b, NT02, Non01, PS02a, PS02b, Peñ00, Pin04, Reb07, RW00, Rod07, TW06, Tow00, Tow01, Wan00, WSE01, WJ08, WWL09, Yu06, HS07]. **Schemes** [ADZ01, ADN00, ADBN08, AMT04, Ayo02,
BC05, BJ05, Bar05b, BLW08, BGM07, BF08, BZ03, BL03, CNPS07, CO02, CD03, Cou09, CF07, DD04, Des09, EB08, ET05, EG03, Ger08, GM08, GT03, Gme07, Gro08, GMS05, HTCP09, IZ09, IKT01, JPT00, Jun00, KPT05, KT08, LV08a, LV08b, LR00, LMR02, LRR00, LPWE05, MP03, Mis05, NP00, Obe06, Par01a, QS08, RW07, SGM01, STWW03, SSZ07, SY00, Ven09, Waa08, WN00, Wet00, XY07, ZB00, oWZ06.

Schmidt [BGR02].

Scholes [HW03, KN00].

Schrödinger [Gra08, AMR02, AMR03, ADZ09, BJ03, BBD02, Bes04a, DF09, HL03a, IZ09, MPPS02, Sze04, Tha08, ZaY04].

Schrödinger-Type [AMR02, AMR03].

Schubert [LWW02].

Schwarz [An05, BTW03, Bad06, BN07, CDS03, DKW08, DW09, FK01, FS01, GH07, KW06, MST00, NS03].

Scott [DKF00].

Scrambled [HY00].

SDEs [BWC06].

SDFEM [ST03].

Search [Kaw08, Ovt08a, Ovt08b, AG09].

Secant [HDVV09].

Second [AW05, Bö08, BS09, CS02, CW08a, CCZ02, CS05, CW08c, CMX02, CW03a, CC04, CY07, CG04, CGS09, CGL09, DHV00, DK99b, FLL+06, FK01, GS03a, HR00, KP03a, KP07, KLS03, KPY02, KPY04, KK00, L207, MKB07, MN05, NPS07, OS07, Rw09, SV00, SD02, Den06, EG06b, PS03].

Second-Order [CS02, CW08a, CW03a, CC04, CGS09, DHV00, KP03a, KP07, KLS03, KK00, OS07, Den06, PS03, EG06b].

section [KT05].

Sectorial [LFPS06].

Sedel [BCC08, EK09].

Seidel [Ren03].

Selection [Hig99, PS05].

Self [GM01, Kim02, Lar00, MP01, Ait05].

Self-Adjoint [GM01, Lar00, Ait05].

Self-Regularization [MP01].

Self-Similar [Kim02].

Semi [ASXZ08, Bar09b, BDR09, Bes04b, BDR09, CW08d, CF07, DFR06, DK99b, Egg06, EB08, Fer03, GPA07].

Semi-Implicit [Bar09b, BDR09, CW08d, EB08, DFR06].

Semi-Infinite [ASXZ08, DK99b, GPA07].

Semi-iterative [Egg06].

Semi-Lagrangian [Bes04b, Bes08, CF07, Fer03].

Semicirculant [KP03b].

Semiconductor [CHK01, RSZ01].

Semidefinite [JCK08, DEG08].

Semidiscrete [CH02, DFR06, GGL04, Gou02, Maj05, Neg08, RF03, Vas01].

Semidiscretization [MS01b].

Semigeostrophic [FN09b].

Semilinear [CGLGP08, CH02, HO05, Kop08, LS07a, Maj05, Yan06].

Semimonotonic [Dos05].

Semismooth [CNQ00].

Semismoothness [SS03b].

Sensitivities [SP02].

Sequence [Sid00].

Sequences [BSC07, HZ07, HY00].

Sequential [GM05b, LS02, Rin01].

Series [BB00, DK99a, Pie05, Rin00, BS05].

Set [BHPS09, GK09a].

Sets [Lao01, LFF01, NS05, Per02, SVW01, SVW02].

Setting [MP02a].

Settings [Du08].

Several [Ovt08b].

Shadowing [HJ03, OP00].

Shallow [DMC00, Nou01, Sta05].

Shape [AQR06, CP08, LM06, TV05].

Shape-Preserving [CP08].

Shape-Regular [TV05].

Sharp [ELS+02, GS05, MP03].

Shear [BDR09, PR01].

Shear-Dependent [PR01].

Shell [BB07, BHD06].

Shifted [SKJ02].

Shishkin [LRV00].

Shishkin-Type [LRV00].

Shock [KEN01, Ran08, SK03, SE05, Vas01].

Shock-Capturing [Ran08].

Shocks [LR00, Mic02].

Shooting [KMS05].

Shrinkage [SWB+04].

SIAM [DGS03].

Sided [RS07].

SIDEs [SWB+04].

Sign [CFM08].

Signals [AG05].

Signorini [ACS09, HR07].

Similar [Kim02].

Simple [BB09, GM06b, Rab00].

Simplicial [BR05].

Simplified [Jay00].

Simulating [MT09].

Simulation [BMN04, Bel00a, BIR09, CCZ02, DPVC08, GPP06, HMY07, Jia04, JL02, KHP02].
Men06, Oel02, RP02, SS07, THBS09.

Simulations [DG00, Med00]. Sinc [AA08].

Sinc-Based [AA08]. Single [Küg03].

Singular
[AGG06, AAL09, AKW05, BL01, BY00b, BPV01, CK01, CX08, CHX03, Chu00, CN01, DM06, Guo06, HL02, HMS03, HC09, KDN00, KD03, KW01, PPT05, Pie05, VV08].

Singularities
[CK01, Dos04, LM06, LM07, LMW08a].

Singly
[KS01a, Kop08, Lin08, Lin09, WW07]. Size [SSZ07]. Size-Structured [SSZ07]. Sliding [DL09a]. Slyozov [FL03]. Small [AKKL05, HS09, HL03b, Med07, BW06].

Smoother
[Bea09, CNQ00, ER02a, KLPO8, Tod06]. Smoothing [Beu02]. Solvers [Beu04, HSY04, LAM05, Man06]. Solving
[AK09, Bad05, BJ03, BHKV08, Cai03, CX08, CWX09a, DOW09a, GP09, Gu04, MP02b, Tha00, Wan07]. Some [AAL09, Bel00a, Ber02, BMZ09, Buf05, DZ02, Her03, KM05, NT02, Nic05, Nic06, SV00, Zhu01].

Space
[AG04, AD02, Ber09, BGMV08, CD04, CG05a, CG05b, DL05, DFK00, Den08, DER07, EHR07, GT03, HW09a, HX07, HN09, JR05, KF03, KK09, KHP02, LX09, OZ08, PR01, Pro08a, Rin00, SE05, TJ00, WK01].

Space-Fractional [EHR07]. Spaced [AKKL05]. Spaces [Arm01, AK09, BG01, BY00b, BT07, CU05, CP03, Dic08, DW09, Guo06, HX07, KLPOV01, Mat04, PD06, RW01, SGM01, SK02, WSD04, Woh00, YZ07, YH06].

Spatetime [JJ06]. Span [KK02a]. Sparse [Gra08, JK09, KK02b, NTW08a, NTW08b].

Spectral [FR08]. Spatial [AMR02, Cha07, FG99, KMM00, RS04]. Spatially [RW07]. Special [CDG08, DDP06, DZ02, Seg02]. Specialized [Jay07]. Spectra [JW00b]. Spectral [AGG06, AR08a, AW09, An09, ASXZ08, BBK01, BRLM03, BC06b, BB07, BD07, BGR02, CGH05, CYL08, DV02, DK99b, DGS01, ET08, GT00, yGpMT01, HMS03, Lep00, LX09, LLP06, LL06, MST05, MMS03, MG05, MG05, Par01b, Par01c, PW99a, PW99b, PW00, Rin03, She00, SW04b, SW05a, SW07, SWL09, WML03, dFN00, DGS03]. Spectral-Difference [Rin03]. Spectral-Galerkin [SW07]. Spectrally [PR00]. Spectrum [BSC07, Ber02, CW08c, ZaY04]. SPH [MV00]. Sphere [FW09b, GM06a, GM09, MKB07, Xu03].

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Thomas [BR09c, DL08b, WTW00]. Three
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CG05b, Cod09, DZ08, DDP00, DK99b, 
GGGS08, Gu06, Gu09, GZ09, HLP08, 
H03, KLPV01, Kim08b, KT09, KWD02, 
LM07, LMW08a, LZ08, Pon07, RD03, 
SGM01, Van05, WTW00].

Three-Dimensional
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[Cod09].

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[KT09, SGM01].

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[DG09b].

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[GH05].

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[FDF09].

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[Moo05].

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[FS04].

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Truncation
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Trust-Region
[BM06, GKO9b, AG09].

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[Peh09].

Turbulent
[BRLM03, KB02].

Turning
[GS03].

Two
[ARB04, BRLM03, BH09, BD06, BX02, 
BL08, BH05b, CMX09, Cha07, CG05a, 
CHL09, DDO07, DB03b, DKW08, DK99b, 
FK01, Fen06, GMM07, GMM0a, GR07, Hc03, 
KLO5, KVW06, Kop03, Lin07, Lin08, LZ07, 
Mar05, Med00, Mic03, MX07, Neg08, Not07, 
RSS07, SW04a, SE05, TT03, TW06, TK01, 
TV05, Wan00, oWZ06, BX07].

Two-Dimensional
[BL08, BH05b, DDO07, GMM07, Kop03, 
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[BIMV08]

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[BIR09]

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