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**Title word cross-reference**

(0, ∞) [MM03]. (t, s) [HY00]. 1
[Bre05, KGDD05, VVD06]. 1 − d [Neg08]. 2
[BH08, EHL07, HL02, Kop08, Sch02a, vdVIB07]. 2 × 2 [ADBN08]. 3 [BBM01, Deu07, DL03, EHL07, Med07, Sar03]. p
[Gue04]. A^n, log(A) [HHT08]. B [BB00]. 
H(curl) [BH09]. H [ABF05]. C^0
[DJLT09, dVNS07], C^1
[DS02, SBM01, Zor00]. C^2 [AS05b]. C^s
[LLF01]. P^k + 1 − S^k [Daw02]. V [Woh05].
C^q [AD00]. \ell_1 [WJ08]. \ell_1 [FS09]. \epsilon [LR02].
\Gamma [ABFM04]. \gamma = 3 [Vas01]. H
[CW08a, TV05, GS07, GZ09, BHL03]. H^1
[Bre03, CRK08, PF02]. H^1(P^k) [VVD06].
H^\infty [LWX00]. h_p [Hei09, LS07a]. L^1
[GP09, Da08]. L^2 [DJLT09, ELS^+02, HTW02, Mer08, Rod07, CK06a, JY09]. L^\infty
[Mer08]. L_1 [HSW05]. L_p [Gei06]. λ < 0
[dP07]. λ > 3 [PP00]. ≤ 3 [BJJ02]. LL^*
[CMMR01]. M [PY04]. n [KS01a]. O(h^2)
[AG03]. P [Guo09, TV05, AC03, BG01, BXZ07, BBFP07, BH09, Beu02, DB03b, DER07, DK08b, Guo06, GS07, GZ09, Ju00, LY01b, LY02a, VO02]. P^1 [CT00]. P^1
[PS03]. P_1^\text{mod} [KT03]. p ≤ 2 [PR01]. Q^1
[Xu00b]. Q_1 [MNS09, NS01].
Q_{k+1,k} \times Q_{k,k+1} [Zha09]. r [PW09]. R^3
[XH05]. R^4 [EJR08, Sze04]. R^\infty [Cao07]. R^s
[HSW05]. u_t = div(\sigma(Du) + Du_t) [CD04].
V = K^A [UY00]. W [SW04a]. Y [Egg08].

-Approximation [GP09]. -Box [BHL03].
-Coercive [VVD06]. -Conforming [BH09].

1 [Guo06]. 2002g [DGS03]. 39 [DGS03].

Absolutely [BG04a]. Absorbing [AMR02, AMR03, CW03, NT02, Sze04]. Accelerated [AG09]. Acceleration [BB09, LW03, Ovt03b, Van05]. Accuracies [DH02, ETW08, ELL02, PLL+03, RW05, Sim05, SL99, ST03, Xu00b, Zhou01, DF00]. Accurate [BL09, Des04, IPT00, PR00]. Acoustic [BGS05, CE09, JRW02, MM03]. Acoustics [ADZ09, BDL06, BDRS04]. Action [RS00]. Active [HO09]. Acute [KK01]. Adams [HS07a]. Adaptation [CCGR03]. Adapted [BKT09]. Adaptive [AZa02, BMN02, Bar04, BSI08, CU05, CET09, CLT05, CKNS08, CD01, CW03b, CL05b, CD03, CHR04, DDU02, DL05, DDO7, 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, DZ02, 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, LDL+03, Mer08, MPP03, DEG08, San09a, San03, TF04, Wan00, WSE01, ZLAT09]. Advection-Diffusion [DL02, LDL+03, MPP03, San03, Wan00, ZLAT09]. Advection-Diffusion-Reaction [AM09c, BZ06]. Advection-Dominated [San09a]. Advection-Reaction [Bur09, WSE01]. Affine [AR02]. Affine-Approximate [AR02]. Age [Aya00, AD02]. Age-Dependent [Aya00]. American [ALY01, HW03, JD04, sQLxsiJb05, WZ08]. Alternating [BF09a, PFF08]. Alternative [BMPT09]. American [ALY01, HW03, JD04, sQLxsiJb05, WZ08]. Amplere [FN09a]. Anal [DGS03]. Analysis [AG00, AC00b, AMR03, ADF09, Arb04, ABCM02, AKW05, BTW03, BC06a, BS07, BMN04, BY00a, Bar09a, BK02, BJ00, Bel00b, BDRS00, BN09a, BNV06b, BRLM03, BMS05, BM05, BD07, BB09, BG04b, BJJ02, BS07, BNM08, BHS06, Bu05, BF09b, CMS00, CMR09, CTU09, DZ02, FK01, FS01, Hig06, Jay07, MRT02b].
Analysis

Analytic [FDFD09, HV06, RW05].

Analytical [ZLAT08].

Anastomoses [AQR06]. Angle

Anisotropic [AS02, AM08, AM06, BN07, CS07, Cao07, CM00, DDE05, DM08, GM06b, GGH08, HK09, Krun01, MPP03, Nic01, NTW04, DEG08]. Anisotropically [LW00a, Anisotropy [AM09b]].

Anomalous [ZLAT08]. Anterpolation

Aorto [AQR06]. Aorto-Coronaric [AQR06]. Application

Applications

Applied [AKW05, BGP05, DF09, Kop03, NV04, Sun00a, SVW02, oWZ06]. Approach

Approximations

Approximabilities [Guo06].

Approximability [BG01]. Approximants [KM05]. Approximate

Approximated [HR07]. Approximating

Approximation

AR02, BWW08, Bue07, FL10, GHV00, IK08, IKT01, Per09, RBX08, RS00, ThT00]. Approximated [HR07]. Approximating

Application

AN02, Aim04, Aim05, Aim07, ACDD05, ADGK03, BG01, BC06a, BJ05, BCG99, BB01, BGN03, BNS04, BWN06, Bar04, Bar05a, Bar05b, Bar09b, BJT00, BY00b, BHL03, BZ02, BG04b, BMM09, BH05b, BP06b, BM02, CG00, Car05, CZZ06, CW08c, CH07, Cod09, CP08, DS02, DDE05, DH07, DL05, Des04, DL09b, DGS01, DZ02, Du08, EL08, EKS04, EM03, EL07, EHR07, FK01, FL03, GR09, GH05, GP09, GS05, Gu103, GM00b, Guo06, Guo09, HB00, Hau02, Hau08, HS05, HRW01, HPS04, Ju00, KD06, KP03a, Kau08, KSS09, Leo01, Lin07, LW00b, LS06b, LL06, Mer08, MG03, MSTZ08, Nic01, NS01, OS07, PR00, PJ02, PS04, PW09, Pro08b, Rin09, RWG01, RS06, RHA03, SW05a, SW07, SL06, Th08, Wol00, Xu00b, Xu00a, XLC02, XTH07, DGS03].

Archimedes [Kup06a]. Arclength

BDRS00, CHK01, HS00, HSY04]. Arterial
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, WS05, Dar00]. Asymptotically [BX03a, BX03b]. Asymptotics [BBC08, Peh09]. Asynchronous [LMPQ04]. Attenuated [XTH07]. Attraction [Gru03]. Attractors [Gru03]. Augmentation [CWX09b]. Augmented [Dos05, Gui03, SV02]. Autoconvolution [DL08a]. Auxiliary [HX07]. Averaged [JLM08]. Averaging [CLT05, CCF09]. Avoidance [HZ07]. Axially [DDE03]. Axis [AM09b]. Axis-Aligned [AM09b]. Axisymmetric [LW06b, Pie05]. Axisymmetrical [CCGHR03]. B [BOS05, DK08a, HRW01, H07, MST06]. B-series [BOS05]. B-Spline [HRW01, MST06]. B-Spline-Based [HK07]. Backprojection [RF03]. Backward [BF09a, DK09a, LS06a, MSZ08, MP02a, PY06]. Balance [BB09, CGLGP08, LRR00]. Balanced [CGLGP08, GT03, Nou01]. Balls [HX00]. Banach [BGMV08, CU05, CP03, SGM01, YZ07, YH06]. Bandlimited [ST06]. Barrier [Aza02, NS05]. 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, IK08, KM06, LS06a, LF99, LW04, LCNY08, LO09, MT04, NZ04, NJN07, Par01a, Pro08a, RW01, Sch07, SLS09, St09, THBS09, WK01, XY07, Yu06]. Bases [DGH02, LS05, Ste07]. Bashforth [HS07a]. Basis [CTU09, Dep08, JK09, KD08, PD05, SW05]. BDDC [Kim08a, KDW08, KT09, LW06a]. BDF2 [Hun01]. BDFM [AP02]. Be [AK09, Beb07]. Beam [AS05a, Ho09]. Beams [CCS06]. Bean [EKS04]. Beaver [GR09]. Behave [DP07]. Behavior [AW09, Da08, LL06]. Bellman [BJ05, CJ09, WF08]. Beltrami [DD07, G08]. Bel’tyukov [SV00]. BEM [GH00, GHS03, HM06, MGP00, MS00b, Say09]. Bending [ACPC02a, XLC02]. Bernoulli [AS05a]. Besov [BG01, Guo06]. Best [CY00, Ker00]. between [DJ05a]. BFGB [LF99]. Biased [RS04]. Bidomain [EB08]. Bifurcation [BJJ02, GKS00]. Bifurcations [DGK03, KGD05]. Biharmonic [BACCF09, DP00, Tha00]. Bilaplacian [BBK01]. Bilinear [Ris01]. Binary [DL05]. Bingham [LV04]. Binomial [JD04, sQIXsJjB05]. Biological [BGR02]. Biot [KS05]. Bivariate [DS02, DF00, 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]. Bordered [DGK03]. Borsuk [FL05]. Bose [BW07]. Bottom [ADZ01]. Bound [BM06, Dep08, Dos05]. Bound-Constrained [BM06]. Boundary [Abg03, ADZ01, AMR02, AMR03, AGR00, AA08, ADZ09, AKW05, Bea04, Ber04, Ber02, BH02, CS02, CW08, CWL07, CN09, DS02, DCM00, Dos04, EP08, EL07, FGN02, FV08, GHV00, GM06b, GMS05, HW09, H03, HS02, Hip03, KD06, KN00, KS01a, KM03, KLS03, Kug03, Kwe00, Lee99, LY01a, LLK+04, LY09b, MST00, MRS00, MV03, NS05, Obe06, Pao01, Pao07, Raf05, SV08, SP02, Ste00, ST03, Sze04, Wa08, WZ08]. Boundary-Value [AA08, Ber04]. Bound [BIR09, HSW05, RSZ01]. Boundness [HMS09]. Bounds [AR08b, BJ05, Bue07, JCK08, OP00, SBBHP04, VV09, dFGAN08]. Bourgain [AK09]. Box [BHL03, Gre07, Ric02, Kup06a]. Box-Schemes [Gre07]. BPX [MB07].
BPX-type [MKB07], Brezzi [LV04].
Brownian [Men06]. Bubble [CS07, FJMT07, Ris01]. Bubbles [San00a].
Bump [Ova07], Burgers [LaY09, LL06, WML03]. BV [Pie05, EK00].
Bypass [AQR06]. C0 [ByS06]. C1 [LM06]. Cahn [BB01, Fen06, BGB99, KSS09].
Cahn/Cahn [BB01]. Calculating [SH08]. Calculations [KEN01, SK03, SE05, Sou05].
Calculus [AG03, LWW02]. Calderon [CN02]. Camassa [CKR08, HR06, XS08].
Can [AK09, Beb07, WZ07]. Cancellation [GMR07, Ste07]. Capturing [Ran08].
Cardinal [TWB07]. Carlo [ALNO07, BMPT09, Di07, Di08, YH06].
Cartesian [BHD06, CKPS01, Des04]. Cascade [Ch02]. Case [CKK01, GAT00, MS02, Maj05, PS02a, PS02b, PR01, Tow01, Yn06, dFGAN09].
Cauchy [DM06]. Cavity [BBK01]. Cell [EP08, Nic05, Nic06]. Cell-Centered [EP08, Nic05]. Cells [LSTZ07]. Centered [EP08, Nic05, Nic06]. Central [BC05, BL03, LRR00, LSTZ07, Par01a, WF08].
Centroidal [DJ05b, DEJ06]. Certain [BH09, BY06b, YH06]. CEV [WZ08].
CFL [KD06, MP03, WH08]. Chains [SS00b]. Changes [Ha07]. Changing [CFFM08, DK99a]. Channel [ASXZ08].
Chapman [Can03]. Characteristic [ER02b, FV09b, FV03]. Characteristics [Bnv06a, Bvn06b, CEJS02, Kac01, PU99].
Characteristics-Based [CEJS02]. Characteristics/Finite [Bnv06a, Bvn06b]. Characterization [AK09, CG04]. Chebyshev [Boy02, KM05, MS00a, RW05, WML03].
Chemotaxis [EK09]. Circulant [Ber02, CYN00]. Circulant-Like [Ber02].
Circular [BBK01]. Class [AMT04, CG00, CO02, DMO07, JJ06, Med02, SR02, TCOZ03, Wen05].
Classification [ABFM04]. Closed [UY00].
Closely [AKKL05]. Clough [SBM01]. Cluster [LO09]. Clustering [GGHS08].
Coadjoint [EF01]. Coarse [KPS06, NV04, PS08]. Coarse-Graining [KPS06]. Codes [Kup06b]. Codim [KGDD05, BJ02].
Coefficient [BF09a, BGMV08, Bue07, MG05].
Coefficients [BMMMS05, BMM05, BN07, BGS05, CCZ02, CDZ00, DDP06, KWD02, MT05, SGM01, SV08, SD05, TK01].
Coercive [BH04, VVD06]. Coercivity [EG08]. Collision [PR00]. Collocation [AB08, AB00, AB03, Ait05, AKW05, BNT07, BD03, BF09a, BPV01, BH05a, CHX03, CWX09a, CMX02, DD04, GW07, HSM03, K02a, LFB02, LS08, MS00a, NTW08a, NTW08b, PFF08, Par01b, Par01c, PPT05, Sch07, Sid00, Xu00a, KL06].
Colocated [EHL07]. Combinatorial [HX00]. Combined [BH04, SW09].
commutator [Th06]. commutator-free [Th06]. Compact [AK07, BACF06, BACCF09, BGM07, Des09].
Compact-Equivalent [AK07].
Compactness [BCDD06, RA05]. Comparing [Can05]. Comparison [For09, NV04]. Compatible [CP00, GZ09].
Completeness [HTCP09]. Complete [HW09b]. Complety [Da08]. Complex [BT00, KDN00, T00]. complexity [Dar00].
Complicated [PS08]. Component [KJ03].
Component-By-Component [KJ03]. Components [SVW01, SVW04].
Composite [LMP04, PS08, SS07, Ste07]. Composite-Grid [LMP04].
Compressible [KT05, Kwe00, Liu00, PW99a].
Computable [AR08b, BCT00].
Computation [ALNO07, BGS05, CM01, Dep08, DV02, DGK03, HTW09, Iz05, LWX00, LaY09, LPS000, Ovt08a, Ovt08b, PS08, SP02, Tod06]. Computational [DL09a, Moo05, WY07].
Computations
Computerized [RS00]. Computing [AA08, Ay02, BW07, BL01, Boy02, DEJ06, GS03a, GKK03, HHT08, KB02, LS09, MMS03, PJ01, PJ02, SBBHP04, ST07, TWV00, TWB07, WZ05, 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, DS99, DMC00, EL07, FGNQ02, GHV00, GL08, GMS05, HW09b, HMS09, KD06, KN00, Lee99, MV03, NS05, Pao07, Raf05, SFNW05, Spi07, Sze04, Waa08]. Conductivity [Kug03]. Cone [Men06]. Conformal [HT08, MR07]. Conforming [BH09, Bur05, CZ09, CT00]. Conical [BGS05]. Conjugate [AB03, BK01, ETW08, Ovt08a, Ovt08b, Rie05]. Connected [DLST07, RD03]. Connection [BG05]. Connections [BKT09]. Conservation [AJG04, AR08a, ADN00, AMT04, BC05, BHL03, Bre05, BKT09, CLG05, DMO07, GM00a, yGpMT01, HL00, Kim02, LV08a, LV08b, LW00c, MP03, Mic02, Mis05, Mor01, MV00, NP00, Par01a, QS08, ThT00, TT03, TW07, Tow00, Tow1, WN00, ZS04, ZS06]. Conservative [Arb04, BW07, BVF09, CT00, CGW07, GLL+03, JR05, LMR05, PZ04, RY05]. Conserving [Reb07, SWW08]. Consistency [BZ03, Har07, OD09, Ven09, LV08a]. Consolidation [KS05]. Constant [HSW05, MG05, Ver09, WJ08]. Constant-Free [Ver09]. Constrained [An09, Bad06, BM06, DH07, DHV00, Dos05, HH09, KLP08]. Constraint [BBFP07, JVD02, LMR+05, TF04]. Constraint-Preserving [BBFP07, TF04]. Constraints [BBMZ09, CHK01, FR08, Juy07, LMR+05, LM06]. Constructing [KK01, Chn00, SKJ02]. Construction [AMR03, Che02, DS09, DL08b, KJ03, PZ04]. Constructions [Dic07]. Contact [AS05a, ACS09, Bel00a, CF03, HS00, HHW02, HWV05, NSV05, RC01]. Containing [Dic08]. Containment [HJ03]. Continuation [DLM07, DKK07, FK05, FDFD09, HV06, KLC+08]. Continuity [Zor00]. Continuous [AGW04, AW05, Bre05, BFH06, CM08, CGW07, CGL09, GKK03, Gui03, MST06, PY04, PW09, RHA03, SV02, vdVIB07]. Continuous-Discontinuous [vdVIB07]. Continuum [Lin07, OZ08]. Contour [HHT08, ST07]. Contours [WT06]. Contraction [GP507]. Control [BZ02, CET09, CD01, CYL08, DH07, DMO07, DHV00, GM05, GM00b, HO09, HH09, IK08, KN08, LWX00, LV01a, LV02b, LMTY04, LV09b, MST07, Med02, MT04, Rin09, RV06, RWY07, RLK09]. Control-Volume [FWY07]. Controllability [Neg08]. Controlled [CS01]. Convected [BDL04]. Convection [BC06a, BK02, BGM07, BN06a, BN06b, BCT00, BHS06, ER2a, EK00, GHV00, Hum01, Kac01, KD06, KSS09, KT03, Kop01, KSS1b, Kop03, Kwe00, LR00, Lin09, LPWE05, Nic06, OR04, Pf000, ST03, Tid02, Ver05b, Ver05a, Voh07]. Convection-Diffusion [BC06a, BGM07, BCT00, BHS06, ER2a, EK00, Kac01, KD06, KT03, Kop01, KSS01b, Kop03, Kwe00, LR00, Lin09, Pf00, ST03, Tid02, Ver05b, Ver05a]. Convection-Diffusion-Reaction [BNV06a, BN06b, Voh07]. Convection-Dominated [BK02, Kwe00, OR04]. Convection-Reaction [LPWE05]. Convergence [AG00, AS05a, ADF09, An05, AGW04,
AMT04, ABFM04, BTW03, Bad06, BMN02, Bar05b, BP06a, BJM09, BK01, Be00b, BACF06, BGM07, Bes04b, Bes08, BMHR07, BCC08, BMZ09, BLS05b, BF09b, Cai03, CMR09, CFR00, CFFM08, CKNS08, CHD07, CDZ03, CE05, CDG08, DDU02, DD04, DH07, Dem02, DER07, DK08b, Dos05, DM08, Du00, Du01, DEJ06, DE08, EHW00, EJR08, EG03, EGGM05, EHL07, Fer03, Fil01, FS01, Ger08, GPHA07, GKK03, GGGS08, GS07, HK01, HTCP09, Han06, HS07a, HLP08, HMS02, HR06, HKW09, HMS03, JKR01, JG06, JD04, JLM08, KP07, KZ09, KPT05, KS08b, KT08, Leo01, LW00a, Lin07, LR00, LW00c, LPWE05, LW06b, LW07, MR07, MN05, MV03, MG03, Mis05, MS09, MNS00, MV00, NS03, Neg08, Not07, OR04.

Convergence [Ovt03a, Ovt03b, PS00, Pie05, Pin04, Pro08a, QQsJjB05, QS08, RPK04, Reu03, Ris01, Rod07, SSTT05, San09, SV08, Sch07, SD09, Sou05, TW07, Tid02, Tow00, UY00, Waa08, Wol05, Wan01, Wan07, Wen05, WN00, XH05, YZ07, KL06, Da08, Guo09, LV08b].

Convergent [BBP08, BBFP07, BGMV08, CKR08, GG09, LF99, LS08, Obe06, WWL09].

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

Convexity [Han08, Yu06].

Convexity-Preserving [Han08].

Convolution [GH05].

Convolution-Threshholding [GH05].

Cooperative [KK09].

Coronaric [AQR06].

Cortatinal [SWV08].

Corrected [KR00, SL06].

Correcting [Kup06b].

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

Corrections [AG06].

Corrector [BGP05, BT02, Rin01, SV08].

Corrigendum [DGS03].

Cost [Nik02].

Cost-Functions [Nik02].

Coulomb [HR07, HL09a, YaY04].

Counter [RW00].

Coupled [BRLM03, EJS09, GR09, X00a].

Coupling [Daw06, DQV07, GH00, GHS03, GMM07, GS08, Hip02, Hip03, HM06, LSY03, Lin09, MNS00, MX07, RY05, Say09].

Courant [Fe03].

Covolume [CK00, CKK01, KK00].

Crack [BSES05].

Crank [He03, HS07a, Rod07].

Creeping [LV04].

Critical [YZ07].

Cross [KT05].

Cross-section [KT05].

Crouzeix [RBX08].

Crystal [BF08b, DPxDC08, LW06b, WWL09].

Crystalline [UY00].

Crystallization [Bur01].

Crystals [DG01, Sou05, DGS03].

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

Cubic [AB08, CK06b, SBM01].

Curl [BL08, Chr05, LMW08a, DDO07, GX07].

Curl-Curl [BS08].

Current [Hip02, LM07, PU99].

Current-Voltage [PU99].

Curvature [CM01, For08, GH05, LN05, Leo01, UY00].

Curvature-Dependent [Leo01].

Curve [Can05, CM01, UY00].

Curved [Zha08].

Curves [Ker00, KZ04, LM06].

Curvilinear [AC03].

Cycle [Woh05].

Cycles [KGDD05].

Cyclic [PDP06].

Cylindrical [LPSS00].

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

DAEs [Jay07, LS02].

Damped [BJ03].

Darcy [BC09, BF09, CMX09, DS07, DQV07, GS09, GR09, MTW02, MX07, RY05].

Data [BNT07, CG08, CR08, CP08, DH03, ET08, FR08, GT00, JV03, LS09, Lin06, MNS00, Nik02, NTW08a, NTW08b, SEL09, XY07, Yu06].

Data-Fidelity [Nik02].

Davidson [Ovt03a, Ovt03b].

DDG [LY09a].

Debye [BF08].

Decomposing [SVW02].

Decomposition [Bel04, Beu02, BD03, BZ06, CPR+03, CET09, DDO07, Den03, DQV07, DKW08, DG00, Du01, ETW08,
Decompositions [HSY04, IZ05], Defect [ELM00, KLR06, KW01, Sou05], Defect-Correction [ELM00], Defective [ELM00, KLR06, KW01, Sou05], Defects [Lin07], Defined [DD07], Definite [CDS03, DK99b], Deflation [NV04], Degenerate [BBG99, BB01, Ben04, BN07, CG00, CNPS07, CEJS02, TW07, TK01], Degree [BXZ07, GS00, HR00, HS09, KD03, RB09], Delay [AG03, BK00, BH07, Buc07, ER02b, Gug01, JPC06, LBH03], Delay-Differential [BK00], Delays [BH05a], Densities [BL09, KHP02], Density [KHY09, LW07], Dependent [Aya00, BHN09, BDR09, Dep08, DSO9, 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 [AQR06, BR09b, Sze04], Designs [CW06a], Detecting [FS07], Detection [AGY05, GT00], DG [CDG08, GR09], DGFEM [SST03], DGM [KD06], Difference [ADZ01, ADCK03, BL00, Bea09, BACC09, BGM07, BLS05a, BZ03, BLS05b, CMR09, CRK08, CV05, Cout09, EK00, FG99, HR06, JV03, KU02, KPY02, KPY04, Mic02, Mis05, NT02, NPSK07, Ob06, Par1b, Rin03, SGM01, SY00, Tow00, Tow01, WB00, WLL09, YA05], Differences [BWWW08, DK99b, Rab00, SW03, SLS09, dB03a], Differencing [Par01a, RW05, WF08], Differential [Ayo02, BTZ04, BNT07, BHN09, BK00, BY06b, BCM04, BMIV08, Bos07, BPV01, BH07, Buc07, BT02, BL09, CMMR01, CJ09, CM08, CMMM03, CP03, DL09a, DZ02, ER02b, HLN02, Hau08, HI03, HMS02, HMY07, HMS03, JVD02, JW00a, JW00b, JPC06, KMS05, LLRZ00, LL00, LS07b, MS00a, MSZ08, MMR06, MM06, MT05, NTW08a, NTW08b, PPT05, Röb09, San09, San00b, SS08, Sch02a, SP02, She03, SEL09, WM08, Van05, Tha06], Differential-Algebraic [Bo07, JW00a, JW00b, KMS05], Differentiation [BF09a, Oly09, Slo04], Diffraction [BY00a, BGS05], Diffuse [Fn06], Diffusion [Aya00, AD02, AM09c, BC06a, BMN04, Bea09, BGM07, BNV06a, BNV06b, BCT00, BB09, BLS05b, BHS06, BZ06, CNPS07, CV05, DDE03, DDE05, DJ05a, DM08, DL02, EL08, ER02a, EHR07, EK00, GM05a, GH00, GH07, GGS08, Kac01, KD06, KT03, Kop01, KS01b, Kop03, Kop08, LX09, Lin08, LR00, Lin09, Lin00, LBD03, LY09a, Luc08, MPP03, NT02, nic06, Pf00, DEG08, PU99, Pin04, sQI, XsJ05, RS06, Rou00, San03, SBW04, ST03, Tid02, Van05, Ver05b, Ver05a, Voh07, Wan00, YA05, ZLAT09], Diffusion-Convection-Reaction [Nic06], Diffusions [MT09, MSTZ08], Diffusive [GT03, JPT00, KU02, NP00], Digital [CS01, DLP05, PDP06], Dimension [BHP09, DFK00, RSS04, TJO0, Vic04], Dimensional [BGM07, Bes04b, Bes08, BLS05, BH05b, Cha07, DDP00, DDO07, Dic07, DL09b, Du08, GSN09, GHN03, GM00a, GGS08, HLP08, JR05, Kin08b, KWD02, Kop01, KS01b, Kop03, LM07, LWM08a, Lin07, LZ08, MP02b, PS02a, PZ04, Pon07, RD03, Re03, San03, TT03, TW06, TV05, Van05, Wan00, oWZ06], Dimensions [AH06, Bea04, Bel04, BH09, CPR03, CE09, CG05a, CG05b, DB03b, DKW08, Guo06, Guo09, GZ09, HZ03, KLP01, KL05, Lin08, Mar05, SE05, TK01, WTW00], Diminishing [BW07, FS04], Direct
[BG01, Pon07, LY09a]. **Direction**
[BF09a, MG01, PFF08]. **Directional**
[HK09, SLS09]. **Directions**
[GLQZ02].

**Dirichlet**
[AB00, Bar09a, BG05, HRW01, MV03].

**Discontinuities**
[BH08, Mis05].

**Discontinuous**
[AJG04, Ain05, ADF09, ABCM02, AM09c, BJM09, BMMS05, BMIM05, BPD08, BS06, BHS06, BP06b, BKT09, BS09, CCPB00, CS05, CCS06, CDZ00, CC04, CW06b, CE06, CE09, CKPS01, CKSS02, CG08, CGSS09, CG09, CGL09, Daw02, Daw06, DMO07, DDP06, DS09, EK09, EG06a, EG06b, EG08, FK01, FW09a, FSL05, GSWY08, GP99, GSS06, GP07, Har07, HK09, HPS04, KP03a, KP07, KSS09, KR05, Kwo00, LN04, LS07a, Lin08, LM04, LSTZ07, LY09a, MG03, OD09, OS07, DEG08, RWG01, RS06, SS00a, SD05, SW05b, TK01, Tow00, Tow01, VVD06, Wal05, Wan07, WH08, XS08, Ye04, Ye06, ZS04, ZS06, vdB07].

**Discrepancy**
[DL05, HYO0]. **Discrete**
[Ain04, AMR03, ADN00, AL09, ABFM04, BZ02, BCDD06, CS02, CE05, DDE05, DDD07, Fsh06, Gei06, GT03, GGS08, KK09, LMR02, LFB02, LSW08, LWX00, MS02, MP03, MS00b, Mic02, NZ06, OPR09, Raf05, RD03, ZaY04, dFGAN09].

**Discrete-Time**
[LFB02, LWX00].

**Discretization**
[Abg03, AS05a, BPP08, BBK01, BN06a, BRL03, BC06b, BB07, Ber09, Beu04, Bu05, CD04, Da08, DER07, DDP06, EB08, GM05a, GPPP06, GR07, Gri03, HW09a, Jk09, Klu00, Kin08a, Kin08b, Lin08, MP01, Mor01, OPR09, PR01, Pro08a, RPK04, Rin00, RV06, SS00a, Sch02b, SR02, TJ00].

**Discretizations**
[AMR02, Bbb07, BCT00, CMS00, DZ09, GM08, GSWY08, Han06, HO08, Har07, KDW08, KT09, LZ07, Mar01, OD09, PW99a, PW99b, RS04, Sch02a, Voh07, WK01, vPS03].

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

**Dispersion**
[Ain04]. **Dispersive**
[AW09, IZ09]. **Displacement**
[BJM09, Bo06, CS03]. **Dissipative**
[AW09, ADFN08, BDRS00, DG01, Han06, HL03b, LL06, DG03]. **Dissolution**
[DPvdC08]. **Distance**
[AGG06].

**Distributed**
[GM00b]. **Div**
[CK06a, Chr05, LMW08a, ABF05, CW08a, DDD07, HX07, WY07]. **Div-Curl**
[Chr05, DDD07]. **Div/Curl**
[LMW08a].

**Divergence**
[BL08, Wen09, Zha09].

**Divergence-Free**
[BL08, W09, Zha09].

**Divided**
[Rab00, dB03a]. **Dogleg**
[PSW08]. **Domain**
[AADL07, AGH00, Bel04, BSE05, Beu02, BD03, BM05, BZ06, CRP03, CH09, Den03, DQ07, DW08, DK99b, DG00, Du01, DLST07, Fen00, GL00, GH03, HX03, HSY04, Jia04, LS09, Mar01, MG05, QX06, SFN05, SL06, TW07, TK01, VW04, Zha08].

**Domains**
[BS08, BACCF09, CC02, CL05a, FL1+06, HB00, KZ09, KK01, LPSS00, M05, P08, RD03, R04, R05, RS04, RSZ01, She00, SW07, Zha08].

**Dominated**
[BK02, Hn01, Kwe00, OR04, San00a].

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

**DP**
[DD06, KL05, Kin08b, KR08]. **Drift**
[GM05a, Pu09, PN04]. **Drift-Diffusion**
[GM05a, Pu99].

**Driven**
[BBK01, CM01, DZ02, Hau02, Hau08].

**DSMC**
[RW07].

**Dual**
[BE08, BS03, GH00, GM07, KWD02, OD09, She03, TV05, VW09, W09].

**Dual-Dual**
[GH00]. **Dual-Mixed**
[GMM07]. **Dual-Petrov**
[She03].

**Dual-Primal**
[KWD02, TV05]. **Duality**
[DD007, OP09]. **Dufort**
[MPS02].

**Duhamel**
[BGM08]. **Duhamel-Like**
[BGM08]. **Dykstra**
[Per02]. **Dynamic**
[AS05a, HW09a, RP02, Vas01]. **Dynamical**
[ADZ09, CD01, EL09, GW07, HPS05, IK08].
Dynamically [DK99a]. Dynamics
[AA02, BJJL03, CR07, FVV08, KPS06, KV02, QZ01, WY07, vdVIB07]. Dynamos
[CZZ06].

Eddy [BIR09, Hip02, HL03b, JL02, KR05, LM07, Med07]. Edge
[AS02, AGY05, BCDD06, Chr05, DB03b, LM07, LW08a, MG01, Nic01, Ova07,
Rao05, TK01, TV05, XH05]. Edge-Bump [Ova07]. Edges [ET08, GT00, HK09].
Effective [BBC08, CT00, KB02, Lam05]. Effects [ER02a, Nou01]. Efficient
[Bar05a, DWMW01, HSY04, IZ05, LMR+05, LW08b, 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, Gie05, NPSK07]. Elastic-Plastic
[BBM01, BB01, BBFP07, BNS04, BNW06, BBFP07, Bar05b,
BP06a, BFP08a, BJJM09, Bel07, BFP08b, BSC07, Bel06b, Bel06a, BMM01, BKK01,
BSES05, BMPT09, BDRS00, BR08, BR08a, BR08b, Ber09, Beu04, BHD06,
BG04a, BG09c, BG04b, Böh08, BHV08, BDW09, Bur05,
BFH06, BF09b, Bur09, CK01, CFIP03, CLG05, CJ09, CS07, CFR00, Car02, CKNS08,
CZZ06, CWL07, CL05a, CD200, CW03b, CW03a, Che06, CHX07, CS08, CKK02,
CH02, Cod09, DZ09, DS09, DZ08, DK99a, DMC00, DAW06, DDE05, DH07,
Dem02, DD07, Dem09, Den08, Deu07, DK80b, DV05].

Element [DGHL04, DWZ09, DL03,
yDST06, DLST07, DJLT09, EL08, EHW00, EKS04, ELL02, EL02, ELS+02, FEL+06,
Fen00, Fen08, FN09, FN09a, FMJMT07, GAT00, GM07, Gei06, GSW08, GP99,
GL00, GP00, GM06b, GR07, GSS06, Gue04, Guo06, GS07, Guo09, GZ09, HB00,
HiW02, HO06, HR09, Han08, He03, HTW02, He09, HO02, HSS00, HMM02, JWR02,
JLM08, KAI00, KSS09, KM03, KLPV01, KT03, KS08, KS05, Kin01, Lar00, LS07a,
LW00a, Liu00, LLK+04, Lov05, LCNY08, MST00, MRS00, Mar01, Mar05, MTW02,
Man09, MN05, MS09, NP05, NS01, ORG09, OS07, PF02, PS03, Par01c, PW99a,
PW99b, PS08, Pie05, Pr08a, RPK04, Re07, Ric02, RWG01, RS06, RV06, RW07,
San00b, SS07, Sch00, SW03, Sch05, SS00a, SW09, SEL09, Sta05, Ste05].

Element-Based [Pro08a].

Element-by-Element [DS99].

Element/Volume [Mau09]. Elements
[AD99, AD00, AC00a, AP02, AC03, AR08b,
AM08, AW05, AB06, ABF05, BZ07,
BJ00, BN00a, BZ06b, BDG06,
BCD06, BR05, C09, 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, Bea04, BMMS05, BM05, BN07, Böh08, BHV08, BH08, BS09, CMS00, CMMR01, CS02, CW08a, CMR09, CET09, CCP09, CS05, CHD07, CL05a, CS99, CW03a, CC04, CY08, CK00, CY07, CKPS01, CG04, CGSS09, CGL09, CMM03, CMMR03, DDP00, Daw02, DH07, Dem09, DV05, DL06, DDP06, DGH03, EP08, EG06b, EG03, FLL+06, FK01, FGS07, GG09, GLL08, Gre07, GP07, GH03, HH09, KP03a, KP07, KK09, KLS03, KP03b, KWD02, KK00, Lar00, LN04, Lee09, LMK04, LLK+06, ORG09, OS07, Pa07, 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, Reb07, SWW08, WWL09].

Energy- [Reb07]. Energy-Based [DE08]. Energy-Conserving [SWW08].

Energy-Diminishing [BW07].

Energy-Stable [WWL09].

Engquist [BKT09]. Enhancement [GT00, ST03].

ENO [CZ02, GM08]. ENO-Wavelet [CZ02].

Enrichment [AVB06]. Entire [GM07]. Entirely [Sar03].

Entropic [GM05a, MP03].

Entrophy [LR00, LMR02, LR02, MV03].

Envelopes [Bar05a]. Environment [ADZ01].

Epitaxial [XT06].

Equation [AB08, ADZ01, AM06, BC06a, BBP08, BS08, BF09, BBG99, BP06a, Bea09, BD04, BBK01, BACCF09, Ber09, BBD02, Bes04a, BB09, BG05, BZ03, BGP05, BDS01, BH04, Bur09, CK01, Cai03, CFFM08, CH07, CN02, CE09, CG08, CDG08, CKR08, CJRT01, CF07, CP03, Da08, DF09, Den08, DK08b, DGH03, EW00, ER02a, EHR07, FW09a, FN09a, FL03, GK08, GH03, Gie05, GPPP06, Gra08, GSS06, HW03, HS02, HR06, HNM02, HSM03, HV05, IZ09, JRW02, JW06, JR05, KS09, KKK02a, KM06, KPY02, KPY04, KV02, LX09, LaY09, MS01a, MPP02, Med00, Neg08, NPS07, Oel02, OPR09, Ovt08a, Ovt08b, PF02, PF08, PR00, Per09, RP04, Rin00, RS01, RW00, RW07, STW03, SBB04, Sch09, SM08, SP02, She03, SW05a, SW07, TJD0, WJ08].

Equations [WWL09, WD00, WML03, XS08, ZLAT08, ZLAT09, oWZ06].

Equations [Abg03, AG00, AD99, AMR02, AMR03, AM09b, AAL09, AD09, Ay02, AGAN05, BTZ04, BNT07, Bad05, BH09, BJ03, BOL00, BJ05, BK00, BHPS09, BM01, BM06, BY00b, BGM07, BRS02, BF09a, BF08, BCM04, BG04a, BG06, Böh08, BGMV08, BK03, BP01, BH05a, BS06, BH07, BL03, Bue07, Bu05, BF06, BF09b, BT02, BL09, Cai00, CMS00, CMMR01, CX08, CG00, CJ09, CCZ02, CHX03, CWX09a, CHK01, CDZ00, CN00, CMX02, CW06a, CM08, CY08, CXW09b, CH02, CW06b, CDZ03, CE05, CL00, CMM03, DR08, DD04, DK99a, DMC00, Daw02, DM06, DJ05a, Dep08, DZ02, DL03, yDLST06, DL02, EL08, ER02b, EK00, EHL07, FN09b, Fer03, FGNQ02, FG05, FJM07, FL05, GH00, GS09, Ger08, GFD00, GR09, GPD04, GLQZ02, GMS05, GP09].

Equations [Gug01, GGS08, GL00, HL00, Han06, HO08, Hau02, Hau08, IJ03, HL02, He03, HS07a, HMS02, HMY07, HL03a, HL03b, HL09b, HZ03, KKR01, JVD02, JW00a, JW00b, JPC06, JPT00, JLM08, KN00, KOT05, KR00, KR05, KL06, KU02, KMS05,
Kwe00, LF99, LW06a, LL00, Lin09, Liu00, LL00, LY02b, LBD+03, LMTY04, LPWE05, LW07, L02, LS07b, LL06, Luc08, LCNY08, MS0a, MST05, MSZ08, MMRR06, MMR06, Med07, MV03, MT05, NT02, Nic01, NTW08a, NTW08b, NP05, NS05, Obe06, ORG09, OZ08, PYD06, Pao07, PPT05, PS04, PT05, Pro08b, QZZ07, Reb07, Reu03, Ric02, Rin01, RV06, Ro809, SV05, STW03, SSTT05, San00b, SS08, SV08, SN04, Sch02a, SV03, SV00, She03, SL06, SD09, SEL09, Sta05, SW09, Ste03, Sze04, SD02, TT00, Tha08, TW06].

Equations

[TF04, TCOZ03, VV08, Van00, Van05, Ven09, Ver05b, Ver05a, Voh07, Waa08, Wan00, WSE01, Wan07, WM08, Xu00a, YS02, Yan05, YA05, ZB00, dFN00, dFGAN08, dFGAN09, vPS03, Tha06].

Equilibrated [LW04].

Equilibria [DLM07, Thu08].

Equivalence [SWB+04, XY07].

Equivalent [AK07].

Equivariant [Thu08].

Ergodic [SS00b].

Ericksen [BFP08b].

Erratum [BX07].

Error [AD00, Ain05, Ait07, AR08b, AY01, AM03, 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, DDP00, DDE03, DM07, DB03b, Dem09, DLM09, Dep08, Deu07, DV08, DL06b, DL02, DH0N+03, DL08b, EP08, ELS+02, FV03, For08, FW09b, GH0V, GM07, GW07, GM00a, GR07, GMS05, GS05, HW09b, HB00, Hau02, HK09, HR07, HL09a, HH09, HPS05, HNM02, HV05, HW05, JCK08, JRV02, JR05, KP03a, KPS06, Kop01, Kop03, Kop08, Kun01, Kup06b, Küt01, LN05, Lar00, LN04, LW000, LY01a, LY01b, LY02b, LY02a, LB+03, LL+04].

Error [LMTY04, LY09b, LW04, LCNY08, MS01a, MN03, MNS09, Mel05, Mer08, MPP03, NZ04, Nic05, Nic06, NS05, OPR09, OP00, PJ02, RSS07, RWG01, RW07, RV06, San00a, Sch00, SW03, Sch05, SW04b, SD05, ST03, Vee01, Ver05b, Ver05a, Ver09, Voh07, Wan00, WSE01, Wan08, WJ08, Wet00, WW05, WML03, ZS04, ZS06, dFGAN08, vdVIB07, Dem06, Dar00, dVNS07].

Error-Correcting [Kup06b].

Errors [CI06, JLO2, KEN01, RSS04, SK03, SE05].

Estimate [AKW05, BGP05, Cao07, Car02, CW03a, Des04, EP08, For08, HR07, HW05, Kop08, Wan00, WSE01, Wan08].

Estimates [AD00, ALY01, Arm01, BK00, BR09a, Ber09, BDR09, BB02, CK06a, CT05, CL05a, CC04, Che06, CH02, CW06b, CG08, DB03b, Dem09, DLM09, Deu07, DKI07, DL02, DH0N+03, DL08b, ELS+02, FW09b, GH0V, GM07, GM00a, GS05, HB00, HK09, HR09, JRV02, KP03a, Kop01, Küt01, LN04, LW000, LY01a, LY02b, LY02a, LB+03, LMTY04, LY09b, LCNY08, MS01a, MN03, MNS09, Mer08, MPP03, NZ04, Ovt03a, Ovt03b, RP04, RSS07, RWG01, Sch00, SW03, Sch05, SD05, Ver05b, Ver05a, Ver09, Voh07, WW07, WJ08, WW05, WML03, ZS04, ZS06, Dem06].

Estimating [KHY09].

Estimation [AD00, Ain05, Ait07, BH09, BR09a, Car05, HPS05, LY02a, Mel05, OPR09, RSS04].

Estimations [Nic05, Nic06].

Estimator [CZ09, Kun01, LW04].

Estimators [BX03a, BX03b, DDP00, FW03, FH09a, LY01b, LL+04, NS05, PY04, Vee01].

Euler [AS05a, BDR09, DK99a, DL08b, DPP06, HPS02, PY04, Reu03, San09, TJ00, TW06, Xu00a].

Euler-Mixed [DK99a].

Euler-Type [HPS02].

Eulerian [WW07].

European [JD04].

European/American [JD04].

Evaluation [AGH00, BR09a, CT00, EE06, GMR07, HW06].

Evolution [BG04b, Han06, PFO2, PFF08, oWZ06].

Evolutionary [CHS00, HSS0, HL03b].

Evolutions [CM01].

Exact [BX03a, BX03b, SBBHP04].

Exclusion
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, SFW05, San00b, Sch00, SW03, Sch05, SS00a, SLS09, SEL09, Sta05, Sta07, Ste05, TT00, TV05, VW04, Voh07, Wan01, WY01, WY07, Wen05, WN00, WY05, WY06, WB00, WWL09, Woh00, WK01, Woh05, WD00, Yan05, Yan06, Ye04, Ye06, YA05, Zha08, Zha09, ZaY04, Zho01, dV04, dVNS07, dFN02, dFGAN08, dFGAN09, vdVIB07, Dem06].

Finite- [MRS00]. Finite-Dierence [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, Lee09, LMW06, LMW08a, MM04, MS06, Rin01, RK09, SK03, SE05, Sta05, SD02, KMM00]. First-Order [ACS09, BMMS05, BM05, CMMR01, CS02, CS03, CMM03, CMMR03, DS07, Gue04, HSS00, Lee09, LMW06, LMW08a, MM04, MS06, Rin01, RK09, Sta05, KMM00].

Fits [LS09]. Fitted [Pin04]. Fitting [AGY05, Cl06]. Fixed [Seg02]. Flames [KB02]. Flexible [SS03a]. Floquet [Moo05].

Flow [AC00a, BBFP07, BDL06, BFP08b, CJ04, Cha07, CG09, DS07, DGS01, EM03, EL07, EJS09, FN09b, KT08, LN05, LSY03, Lee04, MTW02, Mic03, MX07, NV04, N01, PW09b, QZ01, RL09, Wan08, WD00, DG03]. Flows [CH07, DZ07, Dn07, ELS02, Fen06, GR07, GH05, GS03b, GM00b, Hm01, KT05, LV04, LW06b, LW06b, Man06, PS08, RY05, S03, VO02]. Fluid [CL04, CHD07, DGH04, EM03, Fen00, Fen06, FV08, GMM07, KV02, LSY03, Lee04, Med02, MT04, MX07, N01, SST05, WY07].

Fluid-Rigid [SSTT05]. Fluid-Solid [Fen00, GMM07]. Fluid-Structure [DGLH04]. Fluids [BRLM03, BDR09, DPR06, LV04, PYD06, PR01]. Flux [AJ04, AW05, BKT09, CT00, C02, Mis05, Tow00, Tow01, WY06]. Fluxes [Bre05, CGW07, LW04, XZ05]. Focusing [BJ03]. Fokker-Planck [BDS01, Den08, Wan07]. Force [GR07]. Form [BG04b, MP02b].

Formation [BGR02]. Forms [RB09, Sch05]. Formulae [KHY09, dB03a]. Formulas [BNV06b, Ber02, BD07, CN02, GM09, HT08, Peh09].

Formulation [BMN04, BSES05, BACF06, BC06b, CS03, Cod09, EKS04, FN09b, GH00, KL05, Kim08b, Lin08, LNY08, MP03, MG00, MV03, NPS07, PW06a, SWW08, STWW03, SS09, VVD06, W00].

Formulations [GC09, Che00, RSS07]. Forward [MSZ08, San09]. Forward-Backward [MSZ08]. FOSLL* [BMMS05, BM05, KMM00, LMW06, LMW08a].

Foundations [LMP04].

Fourier [DG03, Sar03, BH05b, CX08, DG03, HL09b, KS08b, LSX08, LL06, MG03, NS01].

Fourier-Wavelet [KS08b].

Fourth [BC05, BGM07, DS09, Ji01, MKB07, Mar05, Tha06]. Fourth-Order [BC05, DS09, Tha06]. Fractal [MK06].

Fractional [Den08, EHR07, Ger08, LX09, SL99, THBS09, Ven09, YAO5, ZLAT09].

Frames [St03]. Framework [BG01, BC06a, CHO07, C01, FV04, Guo06, Par06].

Frankel [MPPS02].

Frehdolm [DM06, L07, PPT05, V008].

Free [ACP02b, BL08, BWW08, CS07, CCS06, FJMT07, HW09a, Her03, HO09, Obo06, R01, S00a, Ver09, Wen09, Zha09, dV04, GM06a, Tha06].

Frequency [BR02, BGS05, CWW07, SM08, THBS09].

Frequency-Based [THBS09].

Friedrichs [HR07, HL09a, RO1]. Friedrichs
[Bre03, EG06a, EG06b, EG08, Kit01].  
Frobenius [JK09].  
Front [Cha07, GLL+03].  
Front-Tracking [Cha07].  
Fully [AR08b, BZ02, Boh08, CE05, DDE05, Fen06, FN09b, FN09a, GGG08, LMR02, MS02, MS00b, NSV05, PR01, SLW09, dFGAN09, BNV06b].  
Function [AJG04, Che02, GMR07, Hla01, HS07b, Iso05, Ova07, PD05, ST07, SH08, Tvy07].  
Functional [MRS00, WM08].  
Functionals [ABFM04, Bad06, CU05, GM05b, SBBHP04].  
Functions [AGG06, AM09a, AR08a, ACDD05, BG01, BT00, BR09a, Bre03, CK01, Cz02, CK06b, CG05, CS01, CN01, Dic07, Dic08, EE06, FV03, GMR07, Guo06, HT08, HM07, KHY09, Mel05, Nik02, Ova07, PW06b, PW09, RW05, RHA03, Seg02, She00, SLW09, SVW02, ST06].  
Future [CL00].  
FV [MV03].  
Galerkin [CGL09, LY09a, AG00, Ain07, ADF09, ADZ09, ABCM02, AD02, AM09c, BZ03, BS07, BM09, BK02, BP08, BS06, BHS06, BP06b, BF09b, BS09, CX08, CFR00, CCPS00, CS05, CCS06, CWL07, CD01, CC04, CY08, CT00, CW06d, CE06, CE09, CKPS01, CKSS02, CGW07, CG08, CGS09, CG09, CGL09, CH04, Daw02, DMO07, DS09, DL02, EK09, EG06a, EG06b, EG08, FK01, FV09a, Gat00, GSW08, GM06b, GSS06, GP07, Har07, HKV09, HL09b, HPS04, KP03a, KP07, KSS09, KV02, Kwe00, LN04, LS07a, LV04, LLRZ00, LMY04, LST07, LZ07, MS00a, MS01a, MST00, MS01b, MS02, Maj05, MTW03, OD09, OS07, PF02, DEG08, RS06, SHT05, SSS01a, She03, SW07, SW05b, VVD06, Wal05, WH08, X08, Y02, Yan05, Z04, Z06, oWZ06, vdVIB07].  
Gamma [BRM09, ST07].  
Gas [Aza02, BJL03, CRK07, Vaso1].  
Gauge [NP05].  
Gauss [BHM09, Hel09, LF99, PP00, Peh09, Ren03, dP07].  
Gaussian [Bal03, BP05, DK99b, HC09, KS08b, PD05].  
Gegenbauer [BY00b, CW08b].  
General [AAL09, BX03b, Ber02, BHMR07, CCZ02, CKK01, CR08, DWZ09, EHL07, FS04, GH00, GM08, GPHA07, HM07, KX02, MN05, MV03, Sp07, Wen05, EG06a].  
Generalization [Lu99].  
Generalized [CL00, Lu99].  
Generalized [BT00, Bal03, BZ03, CFF08, CK06b, DPR06, EJS09, For09, GKS00, GHS05, HGS09, IZ05, LL06, Ovt03a, Ovt03b, PW06b, SW08, SdS06, WML03, vDvIB07].  
Generalizing [FV04].  
Generation [Aza02, CMMR03].  
Geometric [BGP05, CM01, DL05, Ha07, KZ04, Sch02a].  
Geometrical [CL00].  
Geometrical [MMS06].  
Geometry [DWZ09].  
Geophysics [ET05].  
Geostrophic [Med00].  
Gilbert [BBP08, BP06a].  
Ginzburg [CD01, TJ00].  
Global [AG03, BHN02, EJ08, LMR05, LLK05, San00a].  
Globally [LF99, PW09].  
GMRES [Ovt09].  
Goal [LS07a, KV02].  
Goal-Oriented [LS07a, KV02].  
Godunov [AJG04, CGLGP08, JJ06, MP02b, Nuo01, Q080].  
Godunov-Type [AJG04, Q080].  
Good [K03].  
Governed [BZ02, CYL08, LY02b, LMY04].  
Gradient [AB03, DG00, HTW02, IK01, Ova07, WZ07].  
Gradients [B01, Bes08, Ovt08a, Ovt08b, Rie05, Dem06].  
Graining [KPS06].  
Graphs [BMN04, BL00, DDE05, LN05].  
Green [HS07b].  
Grid [Aza02, Bea04, CMS00, CMX09, CMMR03, Dos04, LGPL04, MX07, NV04, Neg08, NTW08a, NTW08b, Not07, T099].  
Grid-Based [Aza04].  
Grids [AAL09, ACWY00, BX03a, BX03b, BZ07, Be04, BHL03, BR09c, CK00, CKK01, CKPS01, Des04, Gra08, Gre07, Gro08, KK02b, Kit01, LW00a, RBX08, RW07, SFNW05, Sch00, Zha08, Zha09].  
Ground [BW07, Daw06].  
Groups [Mar09].  
Growth [BHM02, HW09b, HV05, XT06].  
Guided [PJ01, PJ02].  
Gurtin [BIMV08, K02a].
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, HX07, WY07]. Hamiltonian-Preserving [JW06, WJ08]. Hammerstein [CWX09b]. Handling [LMR05]. Hardening [AC00b]. Hardy [BT07, HN09]. Harmonic [BBFP07, Bar05b, BDL06, BR02, CDS03, CM00, GMP04, HNO02, HTW09, Pie05, Sid00, VO02, CL05b]. Hat-box [Kup06a]. Heat [Ber09, ETW08, Kug03, SL06, XZ05]. Helicity [LW06b, Reb07]. Helicity-Conserving [Reb07]. Helmholtz [ADF09, BDL04, CC02, FW09a, HM06, SW05a, SW07]. Hereditary [SW00]. Hermite [AR08a, Bal03, BX02, BX07, GS00, MST05]. Hermitean [CYN00, EL09, Ovt08a, Ovt08b]. Hessenberg [LS05, LS02]. Hessian [Ova07]. Heterogeneous [Bu05, DZ09, KWD02]. Hexagon [LSX08]. Hexahedra [AC03]. Hierarchical [AC03]. Hierarchical [Beb07, LSTZ07, SSZ07]. High [AC00a, Ain04, ADN08, Bar09a, Bes08, BGS05, BL03, CGLP08, CNPS07, CWL07, Di07a, Di08, Dos04, Ger08, LR00, PZ04, RS04, SM08, SW05a, SSZ07, SR02, Tha08, Vic04, Zho01]. High-Dimensional [Dic07]. High-Frequency [BGS05]. High-Lying [Bar09a]. High-Order [ADB08, Bes08, BL03, CNPS07, LR00, RS04, SR02, Tha08]. Higher [BNV06a, BNV06b, BH05b, Car05, CE09, CJRT01, Dem09, KDO3, RR09, She09]. Higher-Order [BH05b, Dem09]. Highly [BS07, CCF09, HV06, SS08]. Hilbert [BY00b, Egg06, KF03, KKO9, MP01, Mat04]. Hilliard [BBG99, BB01, Fen06, KSS09]. HJB [BZ03]. Hodge [DD007]. Holm [CKR08, HR06, X008]. Holonomic [Jay07]. Homogeneous [GS03a, RW07]. Homogenization [CS08, OZ08]. Homotopies [SVW04]. Homotopy [LWW02]. Hopf [GKS00]. Horner [P00]. Howard [BMZ09]. hp [BCD06, BS06, HSS00, AC00a, Ain04, SS00a, AP02, Mel05, SST03]. hp-Approximation [AP02]. hp-DGFEM [ST03]. hp-Discontinuous [BS06]. hp-Finite [HSS00, AC00a]. hp-Interpolation [Mel05]. hp-Version [Ain04, SS00a]. Hybrid [CHX03, CKK02, LV08a, YD08]. Hybridizable [CG09]. Hybridization [CG05a, CG05b, CLO9]. Hybridized [CG04]. Hydrostatic [BK03]. Hyperbolic [ADB08, AMT04, Aza02, BC05, BHL03, CL05, CHK01, CD04, CEG05, Co09, HSS00, J06, JV03, MP02b, Mor01, NP00, OS07, Par01a, RT03, Z01, Par06]. Hyperelasticity [GH00]. Hyperplane [PDP06]. Identification [Bur01, BM02, Kal00, Kiu03]. II [BX03b, BB01, BNV06b, BRL03, BMM05, BB09, CG05b, Da08, DGS09, EG06b, GT00, Gu09, KS01a, LV08b, MS02, Otv03b, Ovt08b, PS02b, P01c, PW99b, PJ02, Sch00]. III [DMC00, EG08, Maj05]. Ill [AMR02, BK06, CL00, FSL05, Kal00, Mat04, PS05, R01]. Ill-Posed [BK06, CL00, FSL05, Kal00, Mat04, PS05, R01]. Ill-Posedness [AMR02]. Image [ABFM04, DM08, MG01, VO02]. Images [AGY05]. IMEX [Bos07]. Immersed [GL08, WB00]. Immersed-Interface [GL08]. Immiscible [Mic03]. Immunology [Luc08]. Impact [PS02a, PS02b]. Impedance [MMM04]. Impenetrable [CM00]. Imperfect [BJS02]. Implicit [BBP08, BP06a, Bar09b, Bea09, BDR09].
Implicitly \[ DD07 \]. \[ Importance \] \[ Kaw08 \]. Improved \[ Bar09a, ETW08, GLL+03, Men06, Sch05, dFN00 \]. \[ Impulse \] \[ SS08 \]. Inclusion \[ Bar09a, LaY09 \]. \[ Inclusions \] \[ AKKL05, San09 \]. Incompressible \[ AG00, BJM09, Bel00b, BDR09, CLW04, CG05a, CG05b, DZ09, DW09, ELM00, EHL07, FVV08, GR07, GS03b, LW06a, LW07, PR01, Pro08b, SV05, SST03 \]. \[ Increment \] \[ Wet00 \]. Indefinite \[ AB03, Ait05, BS07, Mis05 \]. \[ Independence \] \[ FQ00, PW06b, WSD05 \]. Independent \[ AK07, Rin09 \]. \[ Index \] \[ KMS05, LS02, Sch02a \]. Index-2 \[ LS02 \]. \[ Induced \] \[ SM08 \]. Inelastic \[ RW07 \]. \[ Inequalities \] \[ BTW03, Bel00a, BZ02, Bre03, Hs00, LR00, NZ06, Sch00, kDH07 \]. \[ Inequality \] \[ EKS04 \]. Inertial \[ IK08 \]. \[ Inexact \] \[ An05, lC00, Dos05, Jay00, PSWS08, Rie05 \]. \[ Inf \] \[ BMN02, FJMT07 \]. \[ Inf-Sup \] \[ BMN02, FJMT07 \]. \[ Infinite-Dimensional \] \[ Du08 \]. \[ Infinity \] \[ GS09 \]. \[ Infinity-Dimensional \] \[ GS09 \]. \[ Inflow \] \[ Kwe00 \]. \[ Ingham \] \[ NZ06 \]. \[ Inhomogeneous \] \[ BH05b, CM00, MMS03 \]. Initial \[ BK03, CG08, CKR08, Con09, HSM09, KW01, Pal04, Rod07, SEL09, Spi07 \]. \[ Inner \] \[ BCT00, Beu02, Rie05, S03a \]. \[ Inner-Outer \] \[ SS03a \]. Input \[ BNT07, NTW08a, NTW08b \]. Inscribed \[ Can05 \]. \[ Inspired \] \[ HR09 \]. \[ Instability \] \[ SM08, WS07 \]. \[ Integral \] \[ AAL09, Bea04, BH05a, BH04, CX08, CHX03, CWX09a, CHK01, CMX02, CN02, DD04, DM06, HS02, HGN02, K02b, LZ07, SV00, SW09, VV08 \]. \[ Integrals \] \[ BL01, BL05, HHT08, HS09, HV06, HC09, ST07 \]. \[ Integrated \] \[ PJ01, PJ02 \]. \[ Integrator \] \[ BCM04, BS03, CO02, CN01, Die07, DV08, EF01, Hel09, JPC06, MRT02b, MT05, NJ07, Pa04, PDP06 \]. \[ Integrators \] \[ BOS05, GFD00, HL03a, LMW08b, SS00c \]. \[ Integro \] \[ BPV01, BH07, CJ09, CP03, LLRZ00, PPT05, SEL09 \]. \[ Integro-Differential \] \[ BPV01, BH07, CP03, LLRZ00, PPT05, SEL09 \]. \[ Integro-Partial \] \[ CJ09 \]. \[ Integrodifferential \] \[ BS06, vPS03 \]. \[ Interaction \] \[ DGH04, Fen00, GMM07 \]. Interface \[ BE08, CZ09, CZ06, Fen06, GR09, GL08, SFNW05, WB00 \]. \[ Interfaces \] \[ FGS07, Say09, TZ99 \]. \[ Intermediate \] \[ KJ03 \]. \[ Intermediate-Rank \] \[ KJ03 \]. \[ Internal \] \[ Ca05, DK08a \]. \[ Interpolation \] \[ ACDD05, AL09, BH09, BX02, Ca05, Ca07, CK06b, DS02, DB03b, DL08b, FW09b, GM06a, GS00, Han08, HK09, Ker00, KZ04, LSX08, LFF01, LYO2a, MNS09, Mar99, Mc05, PY04, PD05, Sar03, Xu03, BX07, VV08 \]. \[ Interpolations \] \[ Cod09 \]. \[ Interpolatory \] \[ GS05, LM06 \]. \[ Intersecting \] \[ SVW04 \]. \[ Interval \] \[ BP05, Boy02, LaY09 \]. \[ Intervals \] \[ DV02, GP007 \]. \[ Intrinsic \] \[ CO02 \]. \[ Invariant \] \[ HX00 \]. \[ Inverse \] \[ BG01, BHM09, BHR07, CHR04, DL08a, Hac07, HR00, MP01, RSO0, SS03b \]. \[ Inverses \] \[ Du08, Sl04 \]. \[ Inversion \] \[ RF03, WT06 \]. \[ Inverting \] \[ LFPS06 \]. \[ Involving \] \[ FSL05, Nik02 \]. \[ Ionic \] \[ BDS01 \]. \[ Irreducible \] \[ SVW01 \]. \[ Irregular \] \[ BACCF09, BHL03, KRW08, Sch00 \]. Irregularly \[ AGY05 \]. \[ Isentropic \] \[ Vas01 \]. \[ Isoparametric \] \[ AD00, DHHN+03 \]. \[ Isothermal \] \[ BJ03 \]. \[ Itō \] \[ Rö0809 \]. \[ Iterated \] \[ BH05a, KW01 \]. \[ Iteration \] \[ ALN007, PS04, RP02, Rie05 \]. \[ Iterations \] \[ Jay00 \]. \[ Iterative \] \[ BH09, BEL08, Bur01, DK08a, Den03, EL09, Huh01, Lu99, Med02, MT04, PW99a, PW99b, WTW00, Egg06 \].
Iteratively [BHM09].

J [DGS03]. Jacobi [BJ05, C09, WF08, Abg03, AM09b, BL03, CG00, CW08c, Fer03, GP09, Guo06, JKR01, KOR05, Lep00, Ove06, 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 [Sche03, LS06a, LFPS06, OPR09, WT06]. Laplacian [DK08b, Ju00, LY01b, LY02a]. Large [Bad05, BM06, BIR09, FW09a, Fer03, JL02, LR02, Q508, RP02, SD09, XT06]. Large-Scale [Bad05]. Lattice [Y09, KPS06, KJ03, SKJ02, WSD04]. Law [Hla01, Mis05, TW07]. Laws [AJG04, AR08a, ADN00, AMT04, BC05, BHL03, Bre05, BKT09, 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 [Kii01], Layer [CL05b, Med00, ST03]. Layers [BDL04, BDL06, CW03b]. Leapfrog [KN08]. Least [Arm01, ACS09, AM06, BY00a, BMMS05, BMM05, CG00, Cai00, CS02, CS03, CS04, CLW04, CK06a, CW08a, CMM03, CMMR03, DK05, DS07, DL03, yDLST06, DLST07, GHS03, HDV09, KMM00, KLS03, KS05, Lee99, LMW06, LMW08a, Lin08, MMM04, MS01b, MS02, Maj05, MRS00, MMSW06, RL09, Sta05, Sta07, Tha00]. Least-Squares [AM06, BY00a, BG05, CS04, CLW04, CK06a, CW08a, DS07, DL03, yDLST06, DLST07, KLS03, KS05, Lee99, LMW08a, Lin08, MS01b, MS02, Maj05, MRS00, RL09, Sta07, Leffler [SH08]. Legendre [ASXZ08, CYL08, MS00a, MS01a, Par01b, Par01c, SW04b, WML03]. Leibniz [db03a]. Lemma [Chr05]. Leslie [BF08b]. Less [DKW08]. Level [FK01, He03, KW06, KT09, SGM01]. Lévy [CV05, Kaw08]. Liapunov [BGR02]. Lie [EF01, Mar99, Ran08]. Life [KK02a]. Life-Span [KK02a]. Lifshitz [BBP08, BP06a, EW00, FL03]. Like [Ber02, BGMV08, CJ09]. Limit [DLV08, KGDD05]. Limits [LR02]. Line [AG09, Ovt08a, Ovt08b]. Line-search [AG09]. Linear [ACS09, AM06, BOL00, Ber02, BF09a, BB09, BH08, BGP05, BH08, BP01, Bue07,
CS03, CDS03, CS04, CLW04, CZ09, Cao05, CH02, CHR04, DF09, Des04, Des09, DK08b, DS09, DZ02, DGHL04, ELL02, FLT08, FQ00, GM09, GS03a, GPHA07, GKK03, GP07, GH03, HDVV09, HTCP09, HM07, HRS03, IKT01, JW00b, KMM00, KS01b, KK00, LRRZ00, LRV00, LMW08b, Mat04, MST06, MN05, Mer08, Pao07, PW06a, PW99a, PW99b, PW06b, SBBHP04, Sch09, SW03, SW00, SD05, Sto09, 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, BHP09, Ber09, CCPS00, CW03a, CKPS01, CKSS02, DL08a, Dav02, DS09, DJLT09, GKK03, HW09b, HK09, JPCH06, Kun01, LY01b, LY09b, LW04, PW06b, RC01, San00a, WZ04, X08, YS02].
Local-in-Space-timestep [Ber09].
Localization [GT03, HS07b].
Locally [Dem06, GM09, NSV05].
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, BR502, BDG06, BS09, DL05, DHNN+03, Lov05].
Low-Frequency [BR502].
Low-Order [DHNN+03, BDG06, Lov05].
Lower [Car05, HS08].
Lowest [BR09c, Voh07].
Lowest-Order [BR09c, Voh07].
Lubrication [ZB00].
Lubrication-Type [ZB00].
Lypunov [DV02, SD09].
Lying [Bar09a].
MacCany [BIMV08, KK02a].
Macroelement [AS05b].
Macroscopic [CP05].
Magnetization [BW07].
Magnetodynamics [BPS09].
Magnetostatic [BR08, DLST07].
Magnetostatics [HL02].
Magnus [HL03a].
Majda [KL02].
Malik [Ese06].
Maliavin [KHY09].
Manifold [XY07].
Manifold-Valued [XY07].
Manifolds [IK08].
Manteuffel [FLT08].
Mapped [SW04b].
Mapping [MR07].
Maps [Bar05b, BFP08a, Bar09b, 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, BDLO6, CW03b, CL05b].
Matching [CDZ00, SM01].
Material [Lin07].
Mathematical [CZZ06, MG01, PJ01, QVZ01].
Matrices [Be97, Chu00, GM06b, Lu99, Slo04, SS03b, BD07].
Matrix [BSC07, BR09a, Böt06, BWWW08, DWZ09, EE06, GM06a, HHT08, Huh01, IZ05, KM06, LS06b, Sim05].
Matrix-Free [BWWW08, GM06a].
Matrix-Vector [Sim05].
Max [FS01].
Maximal [CG00, Ge06, LBH03, WF08].
Maximum [AD99, Bea09, CMS00, DD00, DLM09, DL08b, KK09, KL06, Kop01, Kop08, MP02a, Rod07].
Maximum-Norm [MP02a].
Maxwell [BBP08, BMM01].
Mean [Du00, For08, HY00, Hig00, LN05].
Mean-Square [Hig00].
Measure [Bar04, DGH03, MPPS02].
Measurements [FGS07, Kug03].
Measures [Hau02, Hau08, Vic04].
Mechanics [GK09b, Med02, MT04].
Media [BH05b, CHD07, Che00, CDZ03, CE05].
DPvDC08, ELS⁺02, KS05, KT08, LSY03, Mic03, MX07, NV04, SS07, SW05b, WD00].

Medium [EL08, EJS09, HO08, MMS03, NT02, Oel02, Wan08], Memory [CP03, PF02, PF08].

Mesh [AH06, AK07, CCGR03, Ca07, DK99a, DWZ09, DL02, EP08, GM06b, GH080, JR05, LBD⁺03, PS08, TT03, WSD05].

Meshes [AC03, BR05, HLS05b, Ca07, CDZ00, CW03a, CDG08, DDO07, DJ05b, EHL07, GS07, Ku01, LRV00, MP03, Nic01, QZZ07, TV05, WH08, WZ07].

Meshfree [LV08a, LV08b, KL06].

Meshless [GW07, LS08, Sch07].

Method [AG00, Ach02, AM09a, AR08a, AW09, AB03, ACP02a, ACPC02b, ADF09, An05, AA08, AR02, AM06, Aya00, AGAN05, ASXZ08, Aza02, BG01, BNT07, BTW03, Bad06, BL00, BJ03, BW07, Bar09a, BFV09, BBFP07, BP06a, BH09, BL01, Be04, Bel00b, BMM01, Bel04, BMT09, BS02, BS08, BD03, BF09a, BB09, BG04a, BGR02, BL05, BGP05, BH08, BDW09, BLS08, Bre05, HLS05b, BPD08, BHS06, BM02, BFH06, BZ06, CK01, Ca03, CPR⁺03, CK06a, CX08, CW08a, CLG05, CS07, CMR09, CTU09, CHX03, CWX09a, CFFM08, CKNS08, CCP00, CGLGP08, CS05, CMLW07, CL05a, CW03b, CS08, CYL08, CRK07, CT00, CD203, CKPS01, CGW07, CG08, CDG08, CGSS09, CF03, CP03, DZ09, DP00, Daw02, DD07, Den08, Deu07, DK08b, DV05, DS09, Dos04, Du00, DG00, DL03].

Methods [DLST07, DJLT09, EHW00, EE06, EP08, ELL02, FN09b, FN09a, For09, GAT00, GLY00, GG09, Gie05, GP09, GP00, GSS06, GL00, yGpMT01, GH03, Gu06, GS07, Gu09, GZ09, HDVV09, HW03, HR09, HL02, He03, HLP08, Her03, HR00, Hig00, HKW09, HL03b, HL09b, HZ03, JI06, JPCH06, JK09, JY09, Kal00, KR05, KLP01, KK02a, KLS03, KD08, 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, MTT02, Man09, MT04, Med07, MS09, MV00, MX07, NS09, NTW08a, NTW08b, NP05, Oel02, OR04, ORG09, Ovt03a, Ovt03b, PF02, PY06, PJ01, PJ02, PS04, Pie05, sQIXsJb05, QX06, RP02, RW05, Rin01, Rin03, Rin01, SST05].

Method [San09, San00a, San03, San00b, Sch00, Sch05, SS00a, Seg02, She03, SLS09, SLW09, Sou05, Sta05, Ste07, Ste09, SL99, TW07, Tha00, TK01, VV08, VW04, Wal05, WZ04, WZ05, Wan07, WS07, WSD05, WY05, WY06, WB00, WTW02, Woh00, WK01, WZ08, WML03, Xu00a, XLC02, XS08, YS02, Yan06, Ye04, Ye06, YD08, YA05, ZS06, ZLAT08, Zor00, dF0N00, dF0N02, dFGAN08, dVIB07, Dar00, KL06].

Methods [AG09, AJG04, AC00a, AM09b, Ani09, AD09, AS02, ABV06, ACW06, ABC02, AKW05, ALNO07, AD02, AM09c, Bad05, BHN09, BK00, Be09a, Bel00a, BSES05, BM06, BHL03, BLS⁺05a, BBD02, Beu02, BEL08, BHMR07, BCM04, BG05, Bol08, Bos07, By06, BWW08, BPV01, BK06, Burt05, BF09b, BS09, BB00, BT02, BL09, BS03, CS04, CLW04, CCGR03, CLT05, CCS06, CW08b, CDZ00, Che00, CN00, CD01, CEJS02, CMX02, CC04, CGH05, CM08, CWX09b, CK00, CKK01, CKK2, CY07, CW06b, CE05, CE06, CE09, CKSS02, CG04, CG09, CGL09, CHR04, CS01, DD02, DKS02, DK99a, Daw06, DM06, DK08a, DF09, DMO07, Dem02, Den09, DQV07, DJ05b, yDLST06, DL02, EW00, ERO2b, EK09, EG06a, EG06b, EG08, ELM00, ELS⁺02, FLL⁺06, Fen00, FK01, FW90a, FN09a, FS04].

Methods [FS09, FS01, FSL05, Gan06, GH07, GHS03, GMM07, GLL08, GPA07, GKS00, GKS09a, GKS09b, GLQZ02, GP07, GS03b, Hac07, HW09b, HL00, Hel09, HX00, HMS02, Hig05, Hig06, HS02, HO05, HOS09, HM07, HK07, HSS00, HMS03, HS07b, Huh01, HRS03.
Jay00, Jay07, JD04, JR05, KOT05, KF03, KLR06, KM03, KL05, KWD02, KHP02, KV02, KK00, LV08a, LMPQ04, LW00a, LFB02, LLRZ00, LS08, LBD+03, LSTZ07, LY09a, LS06b, Lu99, MST05, MS01b, MS02, Maj05, MMRR06, MMR06, Mar01, MTW03, MM03, MP01, Mat04, MST06, Med02, MN05, MV03, MRT02a, NS03, Nic05, Nic06, Not07, PFF08, Pa01, Pa07, PS03, Par01b, Par01c, PW99a, PW99b, PSWS08, DEG08, PZ04, Pon07, Pro08b, QZZ07, Ran08, Ric02, Rin00, RSZ01, RWG01, R6809, 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, Th08, TF04, VO02, WY01, WY07, WW07, WH08, Wen05, Wen09, W800, Wci00, W00, WD00, XH05, XT06, Yan05, ZS04, Zha08, Zho01, ZLAT09, dV04, dFGAN09, BW06, Par06].

**Metrics**

[Cao07].

**MFEM**

[Wan08].

**Micromagnetics**

[CP05].

**Micromagnetic**

[BLS+05a, BLS05b, CMR09].

**Mindlin**

[ACPC02b, Cai00, Car02, Lov05, SS09, dV04].

**Mini**

[PS08].

**Minimal**

[CH02, GS00, HS09, LWX00, LPWE05].

**Minimax**

[BLS+05a, BLS05b, CMR09].

**Minimization**

[Bad06, DK00, FS09].

**Minimizers**

[Nik02].

**Minimizing**

[HW09b].

**Minmod**

[KPT05].

**Mixed**

[ACWY00].

**Mixed-Type**

[KPT05].

**Minvar**

[KK03].

**Miscible**

[BJM09, CH07, Cha07].

**Miss**

[AGG06].

**Miss-Distance**

[AGG06].

**Mittag**

[SH08].

**Mixed**

[AD99, AC00a, ACPC02a, ACPC02b, ACWY00, AW05, AB06, AGAN05, BJT00, Bel00b, BSES05, BDG06, BG04b, CPR+03, CMX09, CH07, CK00, CKK01, CG04, CGL09, DP00, DK99a, Dem02, DV05, DL03, ELW02, ELS+02, FL+06, FN09a, GH00, GMM07, GSW08, HPS04, HS08, JRW02, KS05, KKK00, LW00a, LBD+03, LCNY08, MX07, NS01, PF02, PW06a, PW99b, RPK04, Raf05, RSS07, Rinas03, RWY07, SST03, SEL09, Sta07, Ste00, Voh07, WY05, WY06, WD00, YD08, dFGAN08].

**Mixed-FEM**

[GH00].

**Mobility**

[BBG99].

**Model**

[ACPC02a, ACPC02b, Aya00, AD02, BNS04, BFP08b, BRLM03, BB07, BCC08, BHD06, BIR09, BH02, CMX09, CP05, Che00, CD01, CW08d, DJ05a, Du00, EKS04, EK09, EB08, Fen06, GM05a, KB02, LBH03, Lu08, MX07, NIN07, OR04, PU99, Pin04, sQXsJaB05, SSZ07, WS08, dV04].

**Modeling**

[BP09, CHD07, DGS01, EGGM05, QVZ01, WD00, DGS03].

**Modelling**

[SSTT05].

**Models**

[CV05, GT03, HPS05, KS08b, RP02, XT06].

**Modular**

[BP09].

**Mollified**

[SS08].

**Moment**

[ACPC02a, DS09, FN09a, HMY07, RSZ01].

**Monge**

[FN09a].

**Monotone**

[BJ05, EK00, HK07, JW00a, KT08, LBH03, Waa08].

**Monotonicity**

[HRS03, Spi07].

**Monotonicity-Preserving**

[HRS03].

**Monte**

[ALNO07, BMPT09, Dic07, Dic08, YH06].

**Moore**

[Du08].

**Morgan**

[DFT00].

**Morley**

[XLC02].

**Mortar**

[Ach02, Bel00b, BMM01, BDW09, DD06, GSW08, GP00, KLPV01, KL05, KW06, Km08a, KDW08, Kim08b, KT09, Mar01, Mar05, RBX08, WY05, Woh00, WK01, Woh05, XLC02, XH05].

**Mortar-Type**

[XLC02].

**Motion**

[DL09a, For08, Men06, PY06, SSTT05, UY00].

**Motions**

[AL01, PR01].

**Moving**

[Arm01, DL02, LBD+03, Pie05].

**MR1860443**

[DGS03].

**Multiblock**

[ACWY00].

**Multibody**

[HW05].

**Multidimensional**

[ADN00, BL03, KHY09, PS02b, TF04, WSE01].

**Multidisciplinary**

[DG00].

**Multifield**

[EG08].

**Multigrid**

[AS02, Beu02, BDW99, By06, FV04, GP00,
Multilevel [Ait05, AH06, Bad06, Ben04, BPD08, CWX09b, CMM03, CMMR03, DE08, MMRR06, MM06, Pri00, Sar03].

Multiphase [KT08]. Multiple [KMS05, WZ04, WZ05, YZ07].

Multiplicative [BTW03, MST00, NS03].

Multiplicator [KLPV01, SV02, Woh00].

Multiplier [ADF09, BRS02, CS05, HSY04, Mar05].

Multiply [DLST07].

Multipoint [WY06].

Multipole [BL05, Sar03, Dar00].

Multiprecision [BHSI08].

Multiresolution [CLG05, GM08].

Multiscale [ABV06, AB06, BHS06, CZ02, CET09, C08, EHW00, EGR08, G09, HK09b, S07b, JPT00, Lin06].

Multiple [KMS05, WZ04, WZ05, YZ07].

Multiplicative [BTW03, MST00, NS03].

Multiplier [KLPV01, SV02, Woh00].

Multiplicator [KLPV01, SV02, Woh00].

Multiplier [ADF09, BRS02, CS05, HSY04, Mar05].

Multiply [DLST07].

Multipoint [WY06].

Multipole [BL05, Sar03, Dar00].

Multiprecision [BHSI08].

Multiresolution [CLG05, GM08].

Multiscale [ABV06, AB06, BHS06, CZ02, CET09, C08, EHW00, EGR08, G09, HK09b, S07b, JPT00, Lin06].

Multiple [KMS05, WZ04, WZ05, YZ07].

Multiplicative [BTW03, MST00, NS03].

Multiplier [KLPV01, SV02, Woh00].

Multiplicator [KLPV01, SV02, Woh00].

Multiplier [ADF09, BRS02, CS05, HSY04, Mar05].

Multiply [DLST07].

Multipoint [WY06].

Multipole [BL05, Sar03, Dar00].

Multiprecision [BHSI08].

Multiresolution [CLG05, GM08].

Multiscale [ABV06, AB06, BHS06, CZ02, CET09, C08, EHW00, EGR08, G09, HK09b, S07b, JPT00, Lin06].

Multiple [KMS05, WZ04, WZ05, YZ07].

Multiplicative [BTW03, MST00, NS03].

Multiplier [KLPV01, SV02, Woh00].

Multiplicator [KLPV01, SV02, Woh00].

Multiplier [ADF09, BRS02, CS05, HSY04, Mar05].

Multiply [DLST07].

Multipoint [WY06].

Multipole [BL05, Sar03, Dar00].

Multiprecision [BHSI08].

Multiresolution [CLG05, GM08].

Multiscale [ABV06, AB06, BHS06, CZ02, CET09, C08, EHW00, EGR08, G09, HK09b, S07b, JPT00, Lin06].

Multiple [KMS05, WZ04, WZ05, YZ07].

Multiplicative [BTW03, MST00, NS03].

Multiplier [KLPV01, SV02, Woh00].

Multiplicator [KLPV01, SV02, Woh00].

Multiplier [ADF09, BRS02, CS05, HSY04, Mar05].

Multiply [DLST07].

Multipoint [WY06].

Multipole [BL05, Sar03, Dar00].

Multiprecision [BHSI08].

Multiresolution [CLG05, GM08].

Multiscale [ABV06, AB06, BHS06, CZ02, CET09, C08, EHW00, EGR08, G09, HK09b, S07b, JPT00, Lin06].

Multiple [KMS05, WZ04, WZ05, YZ07].

Multiplicative [BTW03, MST00, NS03].

Multiplier [KLPV01, SV02, Woh00].

Multiplicator [KLPV01, SV02, Woh00].

Multiplier [ADF09, BRS02, CS05, HSY04, Mar05].

Multiply [DLST07].

Multipoint [WY06].

Multipole [BL05, Sar03, Dar00].

Multiprecision [BHSI08].

Multiresolution [CLG05, GM08].

Multiscale [ABV06, AB06, BHS06, CZ02, CET09, C08, EHW00, EGR08, G09, HK09b, S07b, JPT00, Lin06].

Multiple [KMS05, WZ04, WZ05, YZ07].

Multiplicative [BTW03, MST00, NS03].

Multiplier [KLPV01, SV02, Woh00].

Multiplicator [KLPV01, SV02, Woh00].

Multiplier [ADF09, BRS02, CS05, HSY04, Mar05].

Multiply [DLST07].

Multipoint [WY06].

Multipole [BL05, Sar03, Dar00].

Multiprecision [BHSI08].

Multiresolution [CLG05, GM08].

Multiscale [ABV06, AB06, BHS06, CZ02, CET09, C08, EHW00, EGR08, G09, HK09b, S07b, JPT00, Lin06].

Multiple [KMS05, WZ04, WZ05, YZ07].

Multiplicative [BTW03, MST00, NS03].

Multiplier [KLPV01, SV02, Woh00].

Multiplicator [KLPV01, SV02, Woh00].

Multiplier [ADF09, BRS02, CS05, HSY04, Mar05].

Multiply [DLST07].

Multipoint [WY06].

Multipole [BL05, Sar03, Dar00].

Multiprecision [BHSI08].

Multiresolution [CLG05, GM08].

Multiscale [ABV06, AB06, BHS06, CZ02, CET09, C08, EHW00, EGR08, G09, HK09b, S07b, JPT00, Lin06].

Multiple [KMS05, WZ04, WZ05, YZ07].

Multiplicative [BTW03, MST00, NS03].

Multiplier [KLPV01, SV02, Woh00].

Multiplicator [KLPV01, SV02, Woh00].

Multiplier [ADF09, BRS02, CS05, HSY04, Mar05].

Multiply [DLST07].

Multipoint [WY06].

Multipole [BL05, Sar03, Dar00].

Multiprecision [BHSI08].

Multiresolution [CLG05, GM08].

Multiscale [ABV06, AB06, BHS06, CZ02, CET09, C08, EHW00, EGR08, G09, HK09b, S07b, JPT00, Lin06].
Nonmixed [CT00]. Nonmonotone [GP07, LLK +04].
Nonnegative [SBM01]. Nonoscillatory [BC05, LSTZ07]. Nonoverlapping [BD03, Den03, DG00, Du01, GH03, HZ03, QX06].
Nonquadratic [Bad06]. Nonreflecting [AGH00].
Nonselfadjoint [AB03]. Nonsimply [RD03]. Nonsmooth [FK05, GK09a, Mel05, Nik02, SEL09].
Nonstationary [LCNY08, Pro08b, Ver05a]. Nonsymmetric [BD07, LN04, SW05b].
Norm [Bea09, CMS00, CK06a, Car05, DDP00, DM06, DLM09, Dep08, Kop01, Kop08, LMW06, LMW08a, LWX00, LY01b, LY02a, MP02a].
Norms [AL09, FS01, Slo04, VV09]. Note [DFK00, JW00b, Ven09, Ver09].
Nozzle [KT05]. Number [Ain04, CW08d, FW09a, WH08]. Numbers [DM06, Fer03, SW05a]. Numer [DGS03].
Numerical [Abg03, AS05a, AC00b, BJ03, BW07, BHPS09, Be00a, BNV06a, BNV06b, BRLM03, BCM04, BJJ02, BGR02, BBM02, BJL03, BDS01, BM02, BL09, Cai03, CMX09, CG00, CCO02, CHK01, CP00, CP05, Che00, CHS00, CF03, Cop07, CP03, DR08, DDE03, DP02CD08, Di07, Du00, DZ02, EW00, EF01, EL07, EHR07, ET05, EG03, EGM05, FL03, FGN02, FFV08, GK08, GKS00, GM01, HL00, HW03, HJ03, HL02, Her03, HMY07, HMS09, IZ09, JP06, JL02, Ju00, Jin01, Kin02, KT05, Kup06a, Kup06b, KGD05, LMR +05, LW202, LWX00, Lin06, LW07, LPSS00, MSZ08, MG01, Man06, MMR06, MP02a, Mau09, Med00, MRT02a, MT05, NP00, NS09, Ort09, Pa01, Pa07, PS02a, PS02b, Par06, PR00, Par01a, PJ02, PS04, QVY01, RC01, Rout00, STW003, San00b, SW08, SH08]. Numerical [SS00b, SW00, SD09, SVW01, Sp07, SD02, THBS09, Th08, VO02, Waa08, Wan07, WM08, XZ05, ZB00, ZLAT08, ZLAT09, kDH07].
Numerics [HLP08]. Nyström [MM03, SM08]. Nyström-Type [MM03].
Obstacle [Nou01, Vee01]. Obstacles [CM00]. Occurring [Bur01]. Ocean [Med00, Med07]. Odd [She03]. Odd-Order [She03]. ODE [Lam05]. ODEs [DGK03, GS03a, NJN07]. Oil [Che00].
Oldroyd [PYD06]. One [ALNO07, Bes04b, Bes08, CN01, DL09b, GH03, GM00a, JR05, Kop01, KS01b, Lin08, MP02b, PY06, PS02a, PZ04, Re03, San03, T.J00, TT03].
One- [TT03]. One-Dimensional [Bes04b, Bes08, DL09b, GM00a, JR05, Kop01, KS01b, MP02b, PS02a, PZ04, San03].
Open [GMS05]. Operations [Böt06].
Operator [BGMV08, BR05, Bu05, CET09, CW08c, CN00, DD07, ETW08, EGR +08, HPS04, JKR01, JK09, KR00, KM06, Luc08, Olv09, PR00, SGM01, Ste03, Th08, ZY04].
Operator-Based [KM06]. Operators [AK07, DGS08, DGS09, FLT08, FSL05, Ge06, 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, DD02, Dem02, Den03, DER07, DL09b, DHV00, Dos05, GH03, GGH08, GSO7, HK01, HW05, IK08, JCK08, Kaw08, KN08, KDZ09, KS08a, LMT04, MS01a, MP01, RF03, Rin09, RV06, RLK09, SD05, SR02, Ste05, ST03, Wan00, WSE01, Wan08, WML03].
Optimal-Order [Wan00, WSE01, Wan08]. Optimality [AH06, San03]. Optimization [An09, BR09b, CU05, DG00, Du01, G09b, GL00, HS07b]. Optimization-Based [BR09b, DG00, GL00]. Optimized [Gan06, GH07]. Optimizing [WT06].
Option [ALY01, CV05, WZ08]. Options [HW03, JD04, sQLXsJL05]. Orders [EF01].
Order [Abg03, AR08b, AM08, AW05, ADBN08, ACS09, BC05, BGM07, BOS05, BNV09a,
BNV06b, BMMS05, BMM05, BCT00, BBD02, Bes08, BR09c, Böh08, BH05b, BL03, BS09, BB00, CMMR01, CS02, CS03, CW08a, CCZ02, Car05, CGLGP08, CS05, CNPS07, CW03a, CC04, CY07, CG04, CGSS09, CGL09, CMM03, CMMR03, CJRT01, DS07, DB03b, Dem09, Di08, DV05, DL09b, DS09, DHV00, DHHN03, FLL06, FK01, Ger08, GS03a, Gue04, HPS05, HSS00, HS08, IK08, Jin01, KP03a, KP07, LSK03, KEN01, KPY02, KPY04, KK00, LR00, LMR02, Lee99, LMW06, LMW08a, LFPS06, MS00a, MMM04, MKB07, MMSW06, Mar05, MN05, NPSK07, OS07, PYD06, PZ04, RPK04, RP02, Rin01, Rö09, RS04, RLK09, Sch09, She03, SK03, SE05, SR02, Sta05, SD02, THBS09, Tha08, Voh07].

Orders [Wan00, WSE01, WS07, Wan08, ZLAT09, BDG06, Dem09, HPS05, HSS00, HS08, IK08, Jin01, KP03a, KP07, LSK03, KEN01, KPY02, KPY04, KK00, LR00, LMR02, Lee99, LMW06, LMW08a, LFPS06, MS00a, MMM04, MKB07, MMSW06, Mar05, MN05, NPSK07, OS07, PYD06, PZ04, RPK04, RP02, Rin01, Rö09, RS04, RLK09, Sch09, She03, SK03, SE05, SR02, Sta05, SD02, THBS09, Tha08, Voh07].

Ordered [SV03].

Orders [BH05a].

Ordinary [BCM04, CM08, HJ03, JVD02, SP02].

Orientation [Cao05].

Oriented [MS09].

Original [CDG08].

Orthogonal [AB00, AB03, Atl05, BD03, BF09a, CO02, DR05, DGH02, KV02, LFB02, LS05, LCNY08, PFF08, RP03].

Oscillating [CCZ02, SV08].

Oscillation [MNS00].

Oscillatory [CCF09, CI06, HL00, HV06, SS08].

Oseen [BFH06, Deu07, FJMT07].

Osher [BKT09].

Osher-Type [BKT09].

Outer [SS03a].

Outliers [Nik02].

Output [LWX00].

Overdetermined [Jay07].

Overlap [CD03].

Overlapping [Ach02, BN07, CMS00, CKK01, DKW08, DW09, KW06, LSTZ07].

Overrelaxation [Lu99].

Padé [KM05].

PageRank [ALNO07].

Pairs [SV00].

Panel [GGHS08, Pon07].

Panel-Clustering [GGHS08].

Pantograph [BH07, HV05].

Parabolic [ADZ01, AGW04, ADZ09, BZ02, BF09a, CHD07, CEJS02, CH02, CW06b, CHL09, DK99a, DLM09, DER07, DMW01, FGS07, HO05, Ju00, Jün01, KR00, LS07a, LS06a, LMTY04, LR02, LS07b, MST05, MS01b, MS02, MA05, MN03, MP02a, MV03, Obc06, OP00, OZ08, Pao01, Pon07, SS00a, SD05, SEL09, SY00, WD00, Yan05, Yan06, vPS03].

Parabolic-Elliptic [FGS07].

Parallel [Den03, DMW01, LS06a, QX06, SW04a, SL06].

Parameter [Bur01, BM02, Dep08, HH09, Kal00, Kaw08, PS05].

Parameter-Dependent [Dep08].

Parametric [Ani09, CP08, JVD02].

Parametrized [CTU09].

Parareal [MST07].

Part [BG01, BX03a, BX03b, BBK0, BNV06a, BNV06b, BRLM03, BMMS05, BMM05, CG05a, CG05b, DMC00, DGS08, DGS09, EG06b, EG08, Guo06, Guo09, NP05, PJ01, PJ02, Sch00].

Partial [BTZ04, BNT07, BHH09, CMMR01, CJ09, CMM03, DZ02, EG08, Han08, JW06, LS07b, MMRR06, MRR06, NTW08a, NTW08b, Peñ03, San00b, Yan05].

Partially [Hun01].

Particle [CKR07, Oel02, Woi00].

Particular [Bar09a].

Partitioned [BL09, CHL09, Jay07].

Partitions [CS07, DL05, KK01].

Passive [HTCP09].

Past [Nou01].

Patch [BHS08, JD04].

Path-Dependent [JD04].

Patlak [BCC08].

Pattern [BGR02].

PCG [AK07].

PDE [BR09b, GH03].

PDEs [CTU09, DLM07, EG06b, Thi08, WF08, CL05a, CGH05, Gue04, MN05, WB00].

Peer [SW04a].

Penalties [BZ06, DZ09].

Penalty [ByS06, BLS08, BPD08, Bur05, BFH06, Bur09, CC04, CF03, DL06, EK09, HKW09, Man09].

Penrose [Dau08].

Perfect [Hla01].

Perfectly [BD04, BD06, CW03b, CL05b].

Performing [Sar03].

Perimeter [Hac07].

Perimeter-Regularized [Hac07].

Periodic [Bue07, CW03b, Di07, 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, SS01a, 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 [Peñ03]. Pivots [Peñ03]. Planar [BACCF09, Cop07]. Planck [BDS01, Den08, Wan07]. Plane [ADF09, 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, GK09a, HSY04, HTW09, MTW03, Sch05, Seg02, SLS09, SD06, KL06]. Points [BHP09, Gb04, GS03a, LZ08, Sid00, TWV00, TWB07, Vic04, WZ04, WZ05, YZ07]. Pointwise [AG03, CC04, Che06, Dem09, LRV00, Sch00, SW03, Dem06]. Poisson [AB08, Bes04b, Bes08, BG04a, BG05, CK01, CHX07, DLV08, EF01, Fll01, Han02, Han08, Rin03, STW03, SBHP04, VVD06, W00]. Pol [SM08]. Polar [IZ05]. Polyconvex [Bar05a]. Polygon [Can05]. Polygonal [CL05a, Say09]. Polygons [CWL07]. Polyhedra [HS02]. Polyhedral [BS05b, KK01, Per02]. Polymer [Bur01]. Polymers [RS06]. Polynomial [AGY05, BHP09, Bv02, BPV01, CL00, DGS08, DG09, GM09, GZ09, KZ04, NZ04, PPT05, RHA03, SWV01, SWV02, SWV04, Xu03, YD08]. Polynomials [Bal03, BX02, DR05, ELL02, GS00, PY04, PD05, dP07, BX07]. Polytopes [GS05]. Population [Aya00, AD02]. Pore [DPvDC08]. Pore-Scale [DPvDC08]. Porous [CHD07, Che00, DPvDC08, EL08, EJS09, ELS+02, HO08, KS05, KT08, LSY03, Mic03, MX07, NV04, Oe02, SW05b, Wan08, W00]. Poroviscoelastic [SS07]. Posed [BK06, CL00, FSL05, Kal00, LLL01, Mat04, NS05, PS05, Rin01]. Posedness [AMR02, BK03]. Position [RSZ01]. Positive [CDS03, DK99b, PF02, PF08]. Positive-Type [PF02, PF08]. Possessing [BGMV08]. Possible [PP00]. Posteriori [Am05, Ain07, BXX03a, BXX03b, Ber09, Bur09, CTU09, CET09, Car02, CLT05, CHO07, DR08, DLM09, EP08, ETW08, EGR+08, FV03, GM00a, KP03a, Kop01, Kop08, LN05, Lr00, LLY10a, LLY10b, LLY02a, LLL+04, LMTY04, LYY09b, LW04, MN03, N04, Nc05, Nic06, NSV05, OPR09, Or09, RSS04, RSS07, Vee01, Ver05b, Ver05a, Ver09, Voh07, WJ05, Dem06, Mel05]. Postprocessed [AGAN05, dFGAN08]. Postprocessing [GAT00, HL09b, LSH07, MTW03, RV06, Yan06, dFN02, dFGAN09]. Potential [DD04, PD05, ZA04]. Potentials [BR08, RD03, W08]. Power [UY00]. Practical [MT09]. Prandtl [CW08d]. Precipitation [DPvDC08]. Preconditioned [AB03, An05, BHN09, BD07]. Preconditioner [BD08, CN02, DL06, DD06, KL05, PW06a, Reu03]. Preconditioners [Ait05, AH06, Ber02, BN07, BHV08, CDS03, CY00, GM06b, MKB07, SD06]. Preconditioning [CS09, HX07, KF03, KP03b, Ov03a, Par01b, Par01c]. Predicted [LS02]. Prediction [HK01]. Predictor [BT02, Rin01]. Predictor-Corrector
Premixed [KB02].

Prescribed [Chu00]. Presence [BDL06, GGH08, Raf05]. Preservation [Ran08, THBS09]. Preserving [BBFP07, CP08, DLV08, ER02, Han08, Hig05, HRS03, Jw06, Jin01, LW06a, MG01, MRT02a, NZ04, RS04, SS00c, SR02, TF04, WJ08, Yu06, ZB00].

Pressure [BC06b, BG04a, BF09b, DL03, GMS05, Pro08b, SV05, STWW03, Wet00]. Pressure-Correction [GMS05]. Pressure-Poisson [BG04a]. Pressureless [BJL03, CKR07]. Prewavelets [FQ00]. Pricing [CV05, WZ08].

Primal [AC00b, BEL08, CKK02, DL06, GMM07, KWD02, TV05]. Primal-Based [DL06]. Primitive [Med07, STWW03]. Principle [For09, KL06]. Principles [BG05].

Priori [CCPS00, Des04, ERG^+08, HW05, JRW02, Lar00, MPP03, RWG01, RV06]. Problems [ALY01, AGW04, AM08, ABV06, ACS09, ASX08, BT00, BNM02, Bel00b, Bel04, BMPT09, BDRS00, BRS08, BC06b, Beu02, Beu04, BMMZ09, Böt06, BK03, Bur01, BS03, CS02, Che06, Cod09, CHL09, CF03, Cop07, DL08a, DP00, DH07, Dos04, DK99a, DGHL04, DLST07, DJLT09, EL07, ETW08, Fen00, FGS07, GMM07, GP99, Gui03, GM00b, HlW02, HR07, Hla01, Huh01, KLS03, KS08a, Kop01, KS01b, Kop03, Kp08, KS05, KPY04, Kun01, LM07, LWX00, LLK^+04, MGP00, MS00b, MG05, Nou01, OR04, Rod07, RLK09, San03, Sch02b, ST03, TTT0, VVD06, WW01, Wen09, Xu00b, XLC02].

Problems [AGG06, AG03, AB00, AB03, Ait05, ADF09, Ani09, AA08, Arb04, AW05, ABCM02, AK09, AKW05, AM09, Azab02, BC09, BS07, BY00a, Bar04, BJM09, BM09, BK02, Bea04, BJ00, BEL00a, BSES05, Ber04, BZ02, BN06a, BN06b, BMMS05, BM05, Ber02, BCT00, BN07, BD03, BHR07, BG04b, BH08, BLS08, BLS05b, BHS06, BK06, BZ06, BS09, CLW04, CW08a, CZ09, CMR09, CCGHR03, CCF09, CCP00, CS05, CNPS07, CEJS02, CW03a, CC04, CL05b, CS08, CYL08, IC00, CK00, CY07, CKPS01, CG04, CGS09, CGL09, CD03, CHR04, CI06, Cou09, DDU02, DKS02, DZ08, DD00, DDD07, Dem09, DLM09, DDP06, DS09, DMW01, EP08, ELM00, EG03, FLL^+06, FK01, FV08, FSL05, GH07, GG09, GLL08, GK09a, GM01, Gre07, GP07, Hac07, HW09a, HB00, HS00, Her03].

Problems [HR00, HH09, Hip02, HM06, HO05, HN09, HRW01, HSS00, HSY04, HW05, HMS09, JV03, Kac01, Ka00, KP03a, KP07, KP03, KS01a, Kin08a, Kin08b, KWD02, KZ09, KT03, KW01, KK00, Lar00, LN04, LS07a, Lec09, LMPQ04, LS06a, LMW06, LF02, Lin08, LRV00, LY01a, LY02b, LMT04, LY09a, LY09b, MK07, MS01b, MS02, Maj05, MN03, MRS00, MP02a, Mar01, Mar05, MP01, Mat04, Med02, MT04, MPP03, MG03, Nic06, NS05, Obe06, OP00, Ovt03a, Ovt03b, Pal04, Pao01, PS02a, PS02b, PS03, Par01b, Par01c, PS05, PZ04, RS04, RSS07, Rin09, RWG01, RC01, San00a, SA00a, SP02, SW00, SdS06, Sd05, Sp07, SS03b, Tha00, Tdd02, Vee01, WW07, Yan06, Ye04, Ye06, Zho01, BW06, Dem06].

Procedure [AGG06, Den03]. Process [Sid00]. Processed [BCM04]. Processes [GM05b, Gug01, Kaw08, KS00b, Ron00].

Processing [DM08, Nik02, VO02]. Product [CN01, VV08, WK01]. Products [BCT00, Sim05]. Profile [HM07]. Profiles [Vas01]. Programming [Dos05, JCK08].

Projected [yDLST06, DJLT09, KLQ^+08].

Projection [AG00, AAL09, BHN02, DM06, GS03b, HS07b, Ka00, LS06b, MR06, MR06, MP01, Pro08b, Sim05, SD09, WY01, XY07].

Projection-Regularized [Kal00].

Projection/Lagrange [AG00].

Projections [CW03a, HTW02, XTH07].

Prolate [CGH05].
Prolongation/Restriction [BR05]. Proof [GKK03, WN00]. Propagation [AGH00, BJT00, Bes08, CE06]. Proper [KV02, LCNY08, RP03]. Properly [LLF01]. Properties [Bea09, CW08d, CP03, Ese06, HZ07, Sch02a, Ste07, Vas01, Ven09, XY07]. Property [FS04]. Pseudo [DKIK07, FK05]. Pseudo-Arclength [DKIK07]. Pseudospectra [JW00b]. Pseudospectral [KLS03, SW04b, Slo04]. Pseudotransient [KLQ08]. Pure [BACF06, KMM00]. QR [DV08]. Quadratic [AG03, BDRS00, Dos05, Ova07]. Quadrature [Ayo02, BR09c, CKK02, DL08b, RBFs [FW09b]. Reaction [AM09c, BN06a, BNV06b, BZ06, CDG08, GH07, Kop08, Lin08, LPWE05, Lu08, Nic06, Rou00, Voh07, WSE01]. Reaction-Diffusion [Kop08, Lin08, Lu08]. Reactive [SW05b]. Real [Boy02]. Reconstruction [AKKL05, LSTZ07, MN03, ST06, XZ05, XTH07]. Recovery [BKS07, CZ09, CKNK02, ET08, FR08, NZ04, Ova07, WZ07]. Recovery-Based [CZ09]. Rectangular [AM08, AW05, BD06, CK00, FLL06, Gre07, HS08, RWY07, Zha09]. Recursive [Chu02, G09b]. Reduced [CTU09, Dep08, GMR07, HPS05, IK08, RP02]. Reduced-Order [HPS05, IK08]. Reduction [CS01, KD09, KHP02, LS05, MT09, Pal04, RSS04]. Refinable [Che02]. Refined [BS07, LW00a, dFGAN08]. Refinement [AH06, AS02, Cao07, EP08, GM06b, GGH08, JR05]. Refinements [KK01]. Reflections [JW06]. Regimes [GT03, KU02]. Region [BM06, GK09b, Hig99, AG09]. Regions [HS05, SN04]. Regression [MT09].
Regular
[AGG06, CS99, DKW08, Gro08, TV05].

Regularity
[BJM09, CH02, Ge06, LPWE05, ThT00].

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
[Thu08].

Relaxation
[BK00, Bes04a, CNPS07, GHN03, GH07, JW00a, JW00b, JPT00, LRR00, LW00c, LW00b, LW03, NP00, Par01a].

Reliable
[BOL00, Bar05a, Hac07, Hla01, Vee01].

Remarks
[Buf05].

Renormalized
[LV08a, LV08b].

Representations
[Hig05].

Residual
[CS07, Car02, FJMT07, HL09a, Ris01, San00a].

Residual-Based
[Car02].

Residual-Free
[FJMT07, San00a].

Residual-Free-Bubble
[CS07].

Residuals
[BB00, BT02, BS03, CM08, CG08, DD04, DS99, Ele07, GD07, GL07, GR98, GM00a, Jam04, JPT00, JW00b, LW00b, LW00c, LW00d, LW03, LW04, Par01a].

Remarks
[Buf05].

Retarded
[DD04].

Restriction
[BR05].

Restrictions
[FS04].

Results
[AS05a, BBM01, BMZ09, BH07, DL09a, MMRR06, MMRR06, YZ07] Retarded
[DD04].

Revised
[WSD05].

Richards
[RK04].

Richardson
[FL04, Sid00].

Riemann
[Nou01].

Rigid
[ADZ01, SSTT05].

Rigorous
[HJ03, JCK08, NS09].

Robin
[QX06, DV07, Lee99].

Robin-Type
[QX06].

Robust
[Ar05, KS01b, MTW02, Med02, MT04, Pfl00, Tod06, Ver05b, Ver05a].

Robustness
[GR03].

Rootfinding
[Boy02].

Roots
[DR05, ER02b].

Rosenbrock
[HOS09].

Rosenbrock-Type
[HOS09].

Rough
[HL08].

RT
[AP02].

Rules
[Dic07, Dic08, DK99b, HC09, JK03, LO09, MM03, SK02, WSD04].

Runge
[Bos07, BT02, BS03, CM08, CG08, DK08a, DMO07, DHV00, FV04, Gug01, HO08, Hig05, Hig06, HO05, Jay00, Jay07, Ro09, RS04, Sch02a, ZS04, ZS06].

Saddle
[IC00, DDU02, DL06, GK09a, HS04, HTW09, SD06, WZ04, WZ05].

Saddle-Point
[IC00, HS04, SD06].

Safe
[LMR05].

Saffman
[GR09].

Sampled
[AGY05].

Sampling
[BT07, Kow08, ST06].

Satisfaction
[JVD02].

Satisfying
[AD00, DS09].

Saturated
[SS07, WD00].

Saturation
[Mat04].

Scalable
[kDH07].

Scalar
[Bar04, BR08, CMM01, CMMR01, GM00a, Kim02, LW08b, MV00, Q08, T07, Z04].

Scale
[ADB04, BD05, D08, DP08C08, Egg08, L07, RP02, HS07b].

Scales
[Egg06, MP01, OZ08].

Scaling
[DDP06, M05, ST05].

Scattered
[LS09].

Scatterers
[CM00].

Scattering
[AM06, BGS05, BH05b, BH04, CFW07, CW03, CL05, CM00, HLP08, Hop03, HN09, SW09].

Scheme
[ACF06, ACF09, BN06, BDR09, Bes04b, Bes04a, Bes08, BCC08, BHN02, BKT09, CJ09, CHD07, Cha07, CW08d, CR08, CV05, DK08a, DDE03, DL08, DP08C08, DPR06, DM08, DGH03, DE08, Eo06, EGM05, EHL07, Fil01, For08, GGS08, HR06, HN02, JW06, Jim01, Kim02, KU02, Kop03, K01, LV04, Leo01, LWW00, LW06b, MPP02, Mic03, MP02b, NT02, N01, PS02a, PS02b, Pen00, Pin04, Reb07, RW00, Rod07, TW06, Tow00, Tow01, Wan00, WSE01, WJ08, WWL09, Yu06, HS07].

Schemes
[ADZ01, ADN00, ADR08, AMT04, Ay02, BC05, BJ05, BR05b, BLY08, BM07, BF08, BZ03, BL03, CP07, CO02, CD03, Cou09, CF07, DD04, Des09, E08, ET05, EG03, G08, GM08, GT03, Gro07, Gro08, GMS05, HTP09, IZ09, KIT01, JPT00, J03, Jun00, L05].
DM06, Guo06, HL02, HMS03, HC09, KDN00, KD03, KW01, PPT05, Pie05, VV08].

**Singularities**
[CK01, Dos04, LMW06, LM07, LMW08a].

**Singularly**
[KS01a, Kop08, Lin08, Lin09, WW07]. **Size**
[SSZ07]. **Size-Structured**
[SSZ07]. **Sliding**
[DL09a]. **Slyozov**
[FL03]. **Small**
[AKKL05, HS09, HL03b, Med07, BW06]. **Smooth**
[ACDD05, Bar09b, BSES05, Can05, CZ02, Che02, CN01, DJ05a, Dic08, PW09, ThT00, WB00, ZS04, ZS06]. **Smoothness**
[DGH02, Gro08, XY07]. **Sobolev**
[Arm01, AK09, Car05, Guo06, PDP06, SKJ02]. **Soft**
[SWB+04]. **Solid**
[Fen00, GMM07]. **Solids**
[CP00]. **Solitary**
[LPSS00]. **Soluble**
[BNW06]. **Solute**
[QVZ01]. **Solution**
[ADF09, BS08, BOL00, BHPS09, BR09b, BHN02, BDS01, CMX09, CET09, CF03, DR08, DK99a, DGK03, ETW08, FVV08, FSL05, GKO8, GHVO0, GM01, Her03, Hla01, Kac01, KW01, MRS00, Oel02, PR00, Ron00, SW00, SD09, SVW01, SVW02, SVW04, Ste03, ZLAT08, kDOH07]. **Solutions**
[Ayo02, Bar09a, Bar04, Ber04, BH05a, CG00, CW03a, CW06a, Che06, EK00, FLL+06, FL05, GS03a, HJ03, JVD02, Kim02, KT05, Lep00, LaY9, Pao01, PS04, San00b, SBBHP04, ThT00, Wa05, WB00, WM08, ZS04, ZS06]. **Solver**
[Beu02]. **Solvers**
[Beu04, HSY04, Lam03, Man06]. **Solving**
[AK09, Bad05, BJ03, BHV08, Cai03, CX08, CWX09a, CWX09b, Dos04, GP99, Gue04, MP02b, Tha00, Wan07, WML03, YDO8]. **Some**
[AAL09, Be00a, Ber02, BMZ09, Bu05, DZ02, Her03, KM05, NT02, Nic05, Nic06, SV00, Zho01]. **Souganidis**
[KBO2]. **Source**
[JKR01, Luc08, OD09, ZLAT09]. **Space**
[AJG04, AD02, Ber09, BGMV08, CD04, CG05a, CG05b, DL05, DFK00, Den08, DER07, EHR07, GT03, HW09a, HX07, HN09, JR05, KFO3, KKO9, KHP02, LX09, OZ08, PR01, Pro08a, Rin00, SE05, TJO0, WK01]. **Space-Fractional**
[EHR07]. **Spaced**
[AKKL05]. **Spaces**
[Arm01, AK09, BG01, BYO0b, BT07, CU05, CP03, Dic08, DWZ09, Guo06, HX07, KLPV01, Mat04, PDF06, RWG01, SGM01, SKJ02, WSD04, Woh00, YZ07, YH06]. **Spacetime**
[JJ06]. **Span**
[KK02a]. **Sparse**
[GR03]. **Spatially**
[RW07]. **Special**
[CDG08, DDP06, DZ02, Seg02]. **Specialized**
[Jay07]. **Spectra**
[FW09b]. **Spectral**
[AGG06, AR08a, AW09, An09, ASXZ08, BBK01, BRLM03, BC06b, BB07, BD07, BGR02, CGH05, CYL08, DVO2, DK99b, DGS01, ET08, GT00, yGPMT01, HN03, Lep00, LX09, LFS06, LL06, M705, MMS03, MG05, Par01b, Par01c, PW99a, PW99b, Rin03, She00, SW04b, SW05a, SW07, SWL09, WML03, dFN00, DGS03]. **Spectral-Dierence**
[Rin03]. **Spectral-Galerkin**
[SW07]. **Spectrally**
[PR00]. **Spectrum**
[BSC07, Ber02, CW08c, ZaY04]. **SPH**
[MV00]. **Sphere**
[FW09b, GM06a, GM09, MKB07, Xu03]. **Spheres**
[BBFP07, BFP08a, DJ05b, HX00]. **Spherical**
[CZZ06, CW06a, CN01, DJ05b]. **Spherically**
[HS09]. **Spheroidal**
[CGH05]. **Spin**
[BW07]. **Spin-1**
[BW07]. **Spline**
[AB08, AB00, AB03, Ait05, BD03, BF09a, CK06b, DFK00, HRW01, HK07, KLP08, LS09, LFB02, MST06, PFF08, RHA03, VV08]. **Splines**
[DOS02, SBM01]. **Split**
[AS05b, DF09, MP02b]. **Split-Step**
[DF09]. **Splits**
[SBM01]. **Splitting**
[BBD02, EGR+08, Gra08, JKR01, KR00, Luc08, NT02, RW07, SV05, Sc09, Tha08]. **Spreading**
[BBN03, BNPW06]. **Spurious**
[CW08b]. **SQP**
[BM02, SV02]. **SQP-Type**
Squares [ACS09, AM06, BY00a, BMMS05, BMM05, BG05, Cai00, CS02, CS03, CS04, CLW04, CK06a, CW08a, CMM03, CMMR03, DKS02, DS07, DL03, yDLST06, DLST07, GHS03, HDVV09, KLS03, KS05, Lee99, LMW06, LMW08a, Lin08, MMSW06, RLK09, Sta05, Sta07, Tha00, KMM00]. Squeezable [DGH02]. Stability [AC00a, AMT04, BS07, Bar05b, BLW08, BF08, BMM05, BF09b, Cha07, Cou09, DD04, Des09, Ese06, Ese06, FW09b, Gie05, Gug01, GGGS08, HMY07, KLS03, KS05, Lee99, LMW06, LMW08a, Lin08, MMSW06, RLK09, Sta05, Sta07, Tha00, KMM00]. Stabilization [BDG06, BF09b]. Stabilized [ABV06, BC06a, BC09, KLR06, LV04, MPP03, NS01, SS09]. Stable [AR02, BJ03, BCT00, BG04a, DS02, FJMT07, FDGD09, GZ09, LS08, NPSK07, Ric02, Sch02b, She00, WZ05, WWL09]. Stage [DK08a]. Staggered [BLW08, GFD00, Küt01]. Stair [Lu99]. Star [DL05]. Start [HZ07]. State [BW07, DH07, HH09, Rin03]. State-Constrained [DH07]. Static [KOT05, RC01, SV03]. Stationary [AM09b, BL09, CLW04, CW08d, GP09, PS04, PU99, Ver05b]. Statistical [BHMR07, CW08d]. Statistics [JLM08]. Steady [Man06, Rin03]. Steepest [BCC08]. Stefan [Sch02b]. Step [Aya00, DF09, Ger08, SW04a, SL09, Ven09]. Stepping [BS06, CHL09, HTC09, LMT04, XU06]. Steps [QS08]. Stepsize [FS04, HMM09, Sp07]. Sticky [CR07]. Stieltjes [dP07]. Stiff [NP00]. Stiffness [DWZ09]. Stochastic [Ayo02, BTZ04, BNT07, BZ03, BB00, BT02, BL09, CWX09a, DK08a, DZ02, ET05, GS09, Hau02, Hau08, Hig00, HMM07, KPS06, Kaw08, LL00, LS07b, LMW08b, Lu08, MS08, MRT02a, MT05, NTW08a, NTW08b, Rö089, WM08, Yan05]. Stokes [Fen06, AG00, AD09, AC00a, AM08, AB06, AGAN05, ASXZ08, BC09, BMN02, Be100b, Be04, BACF06, BC06b, BG04a, BG06, BF09b, Ca00, CMX09, Che06, CKSS02, CG05a, CG05b, CG09, Cod09, DS07, DR08, Dp08, DQV07, WM07, yDLST06, EL07, EJS09, EH10, FGN02, Ger08, GR09, GMS05, GGGS08, GM00b, GL00, H03, HS07a, HL09b, JML08, KR05, KLR06, KS08a, Kwe00, LW06a, Liu00, LY02b, LW07, LC08, Man06, MTW02, MS00b, Med07, MPP03, MX07, NP05, NS05, PW09b, PS05, Pro08b, Re07, RY05, Rod07, RV06, RLK09, SV05, TT00, TW06, Ven09, WY01, WY09, Xu00b, Xu00a, Ye06, dFN00, dFGAN08, dFGAN09]. Stokes-Type [Med07]. Stokes/Darcy [CMX09]. Stokes/Euler [XU00a]. Strain [Hla01]. Strong [Des09, Gra08]. Strategies [ER02a, Pei03]. Stratigraphic [EGGM05]. Streamfunction [BACF06]. Streamline [Li00]. Stress [CS03, Hla01]. Stress-Displacement [CS03]. Stress-Strain [Hla01]. Strong [DR08, HMM02, Hig05, Hig06, Lin09, LMW08b, RS04, SR02, SS03b, YH06]. Strong-Stability-Preserving [RS04, SR02]. Structure [B306, DER07, DGHL04, MRT02a]. Structured [SS07, WH08]. Structures [CW03]. Study [CHK01, LHI03, Yu06]. Sturm [AGG06, GM01]. Subcritical [BCC08]. Subdiffusion [ZLAT08]. Subdivision [Gro08, LM06, PW06b, XY07, Yu06, Zor00]. Subdomains [Ach02, DKW08, KR08]. Subgrid [AB04, AB06, KR05, KLR06]. Suboptimal [Dem02]. Subregions [KW06]. Subspace [BM06, EE06, FS09, KZ09,
LS05, LW03, Ovt03b, SS03a. **Subspaces** [Sch05]. **Substructuring** [BEL08, PW99a, PW99b, WTW00]. **Successive** [Lu99]. **Suciency** [ALNO07]. **Summation** [LO09]. **Sup** [BMN02, FJMT07]. **Supercell** [Sou05]. **Superconducting** [Du00]. **Superconductivity** [CD01, EKS04]. **Superconvergence** [AAL09, BX03a, BLS+05a, BH05a, BH07, CW03a, CKPS01, ELW02, ELS+02, HTW02, LW00a, LZ08, LLK+04, RWY07, Sch05, WY01]. **Superconvergent** [BXZ07, WZ07]. **Superlinear** [AK07, BK01]. **Superlinearly** [LF99]. **Superreplication** [BBMZ09]. **SUPG** [EM03, San03]. **Support** [BHV08, NT02]. **Supported** [kDH07]. **Surface** [BMN04, Daw06, DDE05, FGS07, GR07, HW09a, STWW03, Sch02b, TT00]. **Surfaces** [Bar09b, CP08, DDE03, DD07, Dem09, Gib04, HLP08, ORG09, Zor01]. **Surfactant** [BG05, BNW06]. **Sweeping** [KOT05, QZZ07, TCOZ03]. **Symmetric** [BFV09, BF09b, CDS03, DDE03, DL02, GLQZ02, Hip02, HS09, LB0+03, Ovt03a, Ovt03b, Sch05, SVW02, SS03b, SW05b, Vic04]. **Symmetries** [WZ04, WZ05]. **Symmetrizable** [ZS06]. **Symmetry** [Ran08]. **Symplectic** [MRT02a, MRT02b]. **Synthetic** [BB09, Van05]. **System** [ACS09, BB01, BHPS09, BACF06, BMMS05, BMM05, Bes04b, Bes08, CMMR01, CS02, CS03, CD04, CH07, CHS00, CKSS02, CG05a, CG05b, CMM03, CMMR03, DS07, DMC00, DL08, DGS01, Fil01, HNN02, Jin01, KMM00, Lee09, LMW06, LM08a, Lin09, MIMO4, MWSW06, Med07, Rin03, RKL09, SSTT05, Sta05, Vas01, Wol00, YD08, oWZ06, DGS03]. **Systems** [ADN00, ADBN08, AMT04, Bad05, BOL00, BP05, BHV08, Bos07, CDS03, CET09, CYN00, CS99, CW06a, DL09a, DER07, DV05, DGK03, DL06, EL09, EF01, EG06a, EG06b, EG08, GW07, GM01, HDV09, HK01, HTCP09, HPS05, IK08, Jay07, JJ06, JW00a, KK09, KDN00, KD03, LMR+05, LMW08a, LMW08b, MST07, Mic02, MRT02a, MRT02b, MP02b, NP00, OS07, PW99a, PW99b, RP02, SN04, SVW01, SVW02, SVW04, SY00, THBS09, YD08, ZS06, Par06]. **Talbot** [WT06]. **Taming** [WH08]. **Tau** [CW08b, CW08c]. **Taylor** [NJN07]. **Tchebycheff** [BP05]. **TD** [BF08]. **Technique** [CCF09, CL05b, Gue04]. **Techniques** [Gui03, ZLAT08]. **Temperature** [BDS01, Kug03, RW00]. **Tension** [GR07, Sch02b, TT00]. **Tensor** [Bad05, DM08, JK09]. **Tensor-Krylov** [Bad05]. **Tensorial** [Gib04, SWL09]. **Term** [LB03, PF02, PFF08, ZLAT09]. **Terminations** [Jia04]. **Terms** [BR05, DR05, JKR01, Luc08, Nik02, OD09, Par01a]. **Tessellations** [DEJ06]. **Test** [BHPS09, Wan01]. **Testing** [Bot06]. **Tests** [FL05]. **Tetrahedral** [KK01, Kun01]. **Tetrahedron** [AS05b]. **Thalmaier** [KHY09]. **Their** [BG05, DK08a, Du01, Lu99, PY04, BW06, MST06]. **Theorem** [FLT08, FL05, Kup06a]. **Theorems** [BG01]. **Theoretical** [DL09a, LMPQ04, MM06, Par06]. **Theoretically** [kDH07]. **Theories** [EG08]. **Theory** [AQR06, AP02, Cai03, CHK01, CZZ06, DV02, FS01, Guo06, Guo09, Moo05, NS03, Pd04, PD05, SV03, SS06b, EG06a]. **Thermally** [BP09]. **Thermoelectricity** [Cop07]. **Thermoviscoelastic** [CF03]. **Theta** [Hig00]. **Thin** [ACPC02b, BGN03, BMW06, BH02, RSS04, RHA03]. **Third** [MS00a, Sch03]. **Third-Order** [MS00a]. **Thomas** [BR09c, DL08b, WTW00]. **Three** [AH06, Bea04, Bel04, BGM07, CPR+03, CG05b, Cod09, DZ08, DD00, DK99b, GGG08, Guo06, Gu09, GZ09, HLP08,
HZ03, KLPV01, Kim08b, KT09, KWD02, LM07, LMW08a, LZ08, Pon07, RD03, SGM01, Van05, WTW00.

Three-Dimensional
[BGM07, DDP00, GGGS08, HLP08, KWD02, LM07, LZ08, Pon07, RD03, Van05].

Three-Level [KT09, SGM01].

Three-Point [DK99b].

Three-Field [Cod09].

Three-Scale [KT09, SGM01].

Three-Point [DK99b].

Three-Point [DK99b].

Three-Scale [DZ08].

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Tikhonov [FDFD09].

Tikhonov [FDFD09].

Time-Averaged [JLM08].

Time-Continuous [Gui03].

Time-Dependent [Gui03].

Time-Discretization [EB08].

Time-Domain [AGH00, Jia04, VW04].

Time-Harmonic [BDL06, CM00, HN02, CL05b].

Time-Periodic [Pao01].

Time-Space [CD04].

Time-Stepping [BS06, HTCP09, LMTY04, XT06].

Time-Stepping [Hig99, Ber09].

Timoshenko [CCS06, HO09].

Tocher [SBM01].

Tomographic [RF03].

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Topological [LR02].

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Total [CS01, DK00, FS04, FV03, FS09, SWB +04].

Total-Variation-Diminishing [FS04].

Tracking [BHSI08, Cha07, GLL +03, GM00b].

Tractability [YH06].

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Trajectories [JH00].

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Transform [BR09a, WT06, Sar03].

Transformation [KWD02, LS06a].

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Transient [BC06a, BF09b, FK05].

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Transmission [HM06, Jia04, Tid02].

Transmissions [JW06].

Transport [BB09, BCC08, BHN02, CG08, CDG08, Gie05, Gui03, JPT00, KV02, MRS00, Rin00, SW05b, Van05].

Transport-Projection [BHN02].

Transport-Reaction [CDG08].

Treatment [DMC00, FGNQ02].

Tree [JD04, sQIXsJ]B05].

Triangle [Cao05, He09, LSX08, TV00].

Triangular [AR08b, BXZ07, Be07, CET09, CJRT01, QZZ07, SWL09].

Triangulations [DFK00].

Triangulations [FQ00].

Triangular [YD08].

Trivariate [AS05b].

Truncated [MM03].

Truncation [CI06, MTW03].

Trust [AG09, BM06, G09b, Hib99].

Trust-Region [BM06, G09b, AG09].

Turán [Peh09].

Turbulent [BRLM03, KB02].

Turning [GS03a].

Two [Arb04, BRLM03, BH09, BHD06, BX02, BLS08, BH05b, CMX09, Cha07, CG05a, CL09, DDO07, DB03b, DKW08, DK99b, FK05, Fen06, GM007, GM00a, GR07, He03, KL05, KW06, Kop03, Lin07, Lin08, LZ07, Mar05, Med00, Mic03, MX07, Neg08, Not07, RSS07, SW04a, SE05, TT03, TW06, TK01, TV05, Wan00, oWZ06, BX07].

Two-Dimensional
[BLS08, BH05b, DDO07, GM007, Kop03, Lin07, TT03, TW06, TV05, Wan00, oWZ06].

Two-Grid [CMX09, MX07, Neg08, Not07].

Two-Layer [Med00].

Two-Level [FK01, He03, KW06].

Two-Phase [Fen06, GR07, Mic03].

Two-Point [DK99b].
Two-Scale [Arb04, LZ07]. Two-Sided [RSS07]. Two-Step [SW04a]. Type [AJG04, AMR02, AMR03, BH07, BM02, BKT09, BT02, FG99, GP07, HO08, Hau08, HMS02, HOS09, KPT05, KK01, LRV00, LRR00, LLK04, Man06, MM03, Med07, PF02, PFF08, PZ04, QX06, QS08, XLC02, YS02, YA05, ZB00, MKB07].

Ulam [JK09]. Ultra [BMPT09]. Ultraspherical [PP00, dP07]. Unbounded [BS08, HB00, HSW05, KDZ09, MST05, SGM01, She00]. Uncertain [Hla01]. Unconditional [SL06]. Unconditionally [BJ03]. Unconstrained [DP00, WK01]. Underdetermined [CW06a]. Underwater [ADZ09]. Unified [ABC02, Bac06, BC09, Bur05, CY07, CGL09, YZ07]. Uniform [BK02, BDL06, Da08, Des09, DE08, GS09, GS07, KU02, LW00a, LRV00, Pin04, PW09, WW07, Zha08, CW03a]. Uniformly [JPT00]. Unilateral [Bel00a, Cop07, RC01]. Unit [Xu03]. Unsteady [BACF06, Moz01, Ven09]. Unstructured [BX03b, BXZ07, KMS05, Kurt01, Lin06]. Unsymmetric [LS08, Sch07]. Updates [SV02]. Upper [VV09]. Upscaling [Arb04, AB06, KM06]. Upwind [BC05, BG05, Br05, Kop03, Mis05, SV03, TF04]. Upwinding [ER02a]. Use [DK08a, WF08]. Useful [AK09]. Using [AGG06, AQR06, AAL09, BC06a, BWWW08, Bur05, CK01, Cod09, CP08, DL05, DKG03, FS01, FL05, Hel09, JK09, KDW08, KHY09, Kup06b, Luc08, Ova07, RP02, Rie05, RHA03, ST07, She00, SWL09, Ste03, WN00, Woh00, YH06, GSWY08, Zha08]. Uzawa [Bac06, BMN02, IC00, NP05].

Validated [DLM07]. Validity [Say09]. Valuation [ALY01]. Value [AA08, AKW05, Ber04, Ber02, BK03, CS02, Cou09, DKS02, Dos04, EP08, FVV08, Her03, HMS09, JCK08, KS01a, KLS03, KW01, LLK+04, Pal04, Pas01, Rod07, SP02, Spi07]. Valued [FR08, GK09a, XY07]. Values [Chn00, DK08a]. Vanishing [BH05a, FN09a, yGpMT01]. Vanka [Man06]. Vanka-Type [Man06]. Variable [ADZ01, Aya00, BF09a, BGMV08, DB03b, KF03, KT05, LW07, Sim05, ZLAT09]. Variable-Order [ZLAT09]. Variables [BX02, SW04a, BX07]. Variably [WD00]. Variance [KHP02, MT09]. Variant [MR07]. Variates [GM05b]. Variation [CS01, DK00, FS04, FS09, SWB+04]. Variational [AK09, Aza02, BTW03, BS07, BMN04, Bar04, Bel00a, BZ02, CCGHR03, CD03, EKS04, HS00, HS07b, kDH07]. Variations [AG03]. Vector [FR08, FW09b, RD03, Sim05, WTW00]. Vector-Valued [FR08]. Vectors [Che02, Gib04]. Velocity [BC06b, BLS+05a, CFFM08, DL03, GS03b, GM00b]. Velocity-Changing [CFFM08]. Velocity-Correction [GS03b]. Velocity-Pressure-Vorticity [DL03]. Verification [KDN00, KD03]. Version [AC03, An04, BG01, BCDD06, Gou02, Guo06, GS07, Guo09, LS07a, SS00a]. Vertically [BK03]. Very [Ber04, Fer03]. Via [AK07, Xu00a, BR09a, BCT00, BHN02, CT00, CG05a, CG05b, Gib04, KF03, Kaw08, MT09, Pro08b]. Vibration [HO09, LFB02]. View [MTW03]. Viscelastic [EM03, HS00, Lee04, RS06]. Viscelasticity [SW00]. Viscoplasticity [CHS00]. Viscosities [BDR09, PR01]. Viscoelasticity [AR08a, BIR09, CLG05, yGpMT01, KR05, Lep00, IW07]. Viscous [LEM00, Kwe00, Oel02]. Vlasov [Bes04b, Bes08, Fil01, Sch09, W00]. Void [BNS04]. Voltage [PU99]. Volterra [BPV01, BH05a, BS06, CHX03, CL00, Da08, LLRZ00, Rin01, S00]. Volume [AGW04, BGP05, BH08, CLT05, CHD07, CL05a, CKK01, CY07, CDZ03, CE05, DDO07, Des04, DM08, DGH03, DJ05b].
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[BHPS09]

Bouzoubaa:2009:GWS

[BHPS09]

Bouzoubaa:2009:GWS

[BHPS09]

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