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Title word cross-reference

(1 + 1) [RF10]. (k) [YC99].
(\lambda^2 A + \lambda B + C)x = b [SP02], (m) [WOW00].
(Re \leq 9500) [GHTW00]. 1 [GV16, HJLZ18, KNV+16, LW03, MMVV13, RMB00, VB07].
1.5 [KAU18]. 2
[ABST13, ACD+08b, BWV15, BLS14, BH97, BI09, BK14, CMV97, CD01, KL15, KW07, KP06a, Kra09, KNV+16, Lam97, LRP07, LYL+11, LW03, LNS15, MT97a, NN03, Sma01, ZNZ16, ZND18, vVKA11]. 2, 3, 4
[Go97]. 3
[BIA99, BIA05, CP13, CWL+14, CCC18, CDB13, CMSS06, CH11, Don06, GH13, GD03, HA01, KC16, Kra09, LS12b, LFJS14, Min02, PS10b, PWGW12, PELY13, PRSS11, RY03, RL18, RH06, Sch05, ZCW10]. 5
[Goe97], 6 [RY03]. 2 [MW13]. 3 [BOF16]. A
[APSG14, APSG16], A^{-1} [ADLR15], a
[BFM+04, BMM+10, PR09]. B
[BGK15, KPP+16]. H(div) [KLL+16].
CH [LCR+16]. C\star A^{-1}b [ST11]. C
[LR99, PMH+16]. C^{-\infty} [Pla15]. D
[AS18], \ell
[MRS18, SvG10a], \ell^1 [CJ10], \ell_0 [APSG14], \ell_1 [GNZC17, NNT13, CJY16, GLN09, YZ11], \ell_{1-2} [YLHX15], \ell_1 - \ell_2 [YSX17], \ell_2
[CXY10], \ell_p [CXY10, LMRS15]. \ell_q
[LMRS15]. \eta [CB98], f(A)b [CAS11]. H
[DMMO05, Ais96, BH12, CDB13, EOD93, GC97, HTB+05]. H(curl) [LO11]. H(div)
[Tal15, KV12b, LMM17, WWY09]. H(curl)
[RKL09], H(div) [RKL09, WWY11]. H^1
[DTYY18, JK11]. H(curl) [JK11], H_C/E_l
[RH09]. HP
[GB18, AGH13, EPR10,
-Adaptation [DEV16]. -Adaptive
[CDB13, FTY15, HHM17, EOD93, Gia18].
-Algorith [VD10, von97]. -Algorithms
[BRZ14]. -Bit [HJJLZ18]. -Body [KL00b, Alu96, BME93, BEM94, BOF16, AE18].
-box [BH12]. -Conforming
[DMMO05, JK11, DTY18]. -curve [HO93].
-cycle [BG94, Kwa99]. -D [BH97, BIA05, 

CCC18, GD03, KP06a, LS12b, RH06].
- Dimensional [RF10, Joe93]. -estimator
[HW99]. -extrapolation [Ber97].
-Factorization [VM13]. -Finite
[GL08, PDTVM08]. -Fold [ROO08b].
-Galerkin [LWZ17]. -Independent
[HTB*05]. -Lagrange
[BL14, KL15, LNS15]. -Laplace [CK03].
-Laplacian [BI00, CS16]. -Level [KL15].
-Matching [KPP+16]. -Matrices
[BM12, Bör09, Vir07, May08]. -Matrix
[DHP17]. -Method [PR09]. -Methods
[TSK09, BG15, WLO8, GPHHAPR18].
-Minimization [YG15, DGP10]. -Norm
[BRR08]. -Optimal
[APSG14, APG16, AS18]. -Problems
[YZ11]. -Projection [EAS11]. -Radius
-Regularized [CJJ16]. -Sparsification
[APG14]. -Splines [LZ13b]. -step
[AMN15]. -symmetry [WAS94]. -Tensor
[MMR15]. -TV [GLN09, SWU16].
-Version
[AGH13, CDG17, CG99, Cas97, ZK96].

1 [EO15]. 14 [BEM94].
2 [EO16a]. 2000 [vdV01, vdVDE+02]. 2002
[vdVDE+03]. 2004 [Vas05]. 2008 [Tum10].
[Ben17].
3 [Bur97, NKTY08]. 3-D [Bur97]. 3D
[vLH14, Sac98].

4th [MCV17]. 4th-Order [MCV17].
5/C [Bh97b]. 500K [ROM18]. 5E
[Bh97b].
60th [PS97].
754 [MRV06].
AAA [NST18], Abel [HFL16], Ablation [CBK18], Abscisae [MG12, Ros15].

Absolute [VK13, YYWY18]. Absorbing [ABK11, BHM14, FJ99, HY14, LZZ18].

Absorption [LP96, MMY96]. Abstract [Del14]. Accelerated [BY93, CW17, CKLL16, CHJ16, CML+18, DMSW10, EG01, FMYT16, FSvdV98a, FP14, KK09, MR07, NKLW94, NAC+15, NFP18, PS10, RSHK11, VTD12, ZC04, ZW16, EB96, LD93, MW13, GHS+15].

Accelerating [BDM+18, BRZ14, CKBT16, DCP11, HOW17, IT09a, LRSV11, LY13, MG09, NKT08, TMA18, ADRS95].

Acceleration [BGOD08, BER17, CC03, Gar05, HHSW11, HBS00, Kaw17, LSV13, OW00, RWA95, SO15, TEE+17, VN03].

Accessible [KMA+12]. Accumulation [RW97]. Accuracy [ALRT17, AIV98, BP97b, BCCI98, BRK16, CGAD95, CFKM18, CLOY10, CK94, Cor98, DMPV08, DS05b, DS97, Dor10, JZ00, LS09, LB06, MR02, MKRK13, NN00, POQ14, RX17, ROG01, RF07, Sch97, SSS97, Sve00, ZZK15, ZLTT15, ZMK17, ZLJ96, Zin00, vHBTC12, sVR11, Hig93].

Accuracy-Conserving [MKRK13, sVR11]. Accurate [AdWR17, ABMR11, AO07, ABIGG16, AP12, BS18a, BWV15, BM18, BR09, CH17, Che05, CCC18, DH03, Drn97, DVM14b, EE14, GBCT10, GST12, HG02, HT13a, HLLW00, Hen06, JL11, JM16, Kou09, KP05, KM12, KR12b, Kye12, LG09, LD16, LFBO08, Lun15, MC10, NIT99, OR005, PRR+13, RAO08a, RO008b, Rum09, SL09a, SC02, TB99a, VPP05, WL97, WM05, WRS17, ZCL+11, ZJC12, ZCP06, Zin14, ZPE12, vWBV09].

Accurately [Che16, WS15]. Achieving [BS13, Ros05a]. Acoustic [BC06, BS06b, FKW10, Ko07, ML07, MZ94, RZ03, SWB16, Sni97, St99, YBM+18]. Acoustics [BHM14, Nat98]. Across [CYVK15, KM18, TLLK09, Lay06, LP06].

Action [AMH11, AM18, Ber98a, HK17, KR17, RX18]. Active [CDW14a, CDW14b, CKBT16, HSW08, KI11, PST15, YYS16, ZIX14]. Active-Set [PST15, YYS16].

Active-Set-Like [KP11]. Activity [RC06]. Actuator [ABD+17]. Acyclic [GTMP07, MZ09]. Adaptation [AFMP15, Che94, DPF15, DF10, DEV16, Hua05, RH06, Wal99, WH15]. Adapted [AMP00, CCA03, Diet12, GH14, Lab05, RSHK11]. Adapting [HHM17].

Adaptation [MP08]. Adaptive [AB02, AG10, AKH+17, AMM+11, AD18a, ABIGG16, AW15, AGL13, AD06, AB100, BBSV10, BB13, BL02, BG14, Ban08a, BH00a, BL04a, BO07, BM17a, BBC+01, Bas98, BC06, BBSW94, BBC+16, BC09a, BK06, BS16b, BZ12, BB15c, BB05, Bör07, BF04, BM+05, BMM+10, BMV11, BTHG12, BWG11, BH16, CHR99, CSW99, CP03a, CD02, CW07, CCC10, CKLL16, CVK13, CDB13, CHH10, CM13, CVE13, DMS01, DTM+08, DM13b, DDGS16, DHW08, DKKP14, DLZ10, DZ08, DMD+12, DGV18, ES17, EV13, EHW00, EMT09, FCB08, FTY15, FL18, FL02, FNTB18, FKK+14, GT98, Gia18, GB06a, GGS08, GC17b, G10, HMM08, HS05a, HMM17, HBB+16, HH02, HR99a, Huf05, HEG14, HJP04, HXX18, HS01a, HBB07, HS05, J08, JS03, 09, JA10, JZT08, Jam98, JF11, JK11, JHJ12, JP97, Jot14].

Adaptive [JGZ06, KKV13, Kav17, Kav18, KGS90, KV05, KKR16, KRT16, KY05, HKRvBW13, Kul12, KPP07, LG07, LMPQ03, LNP15, LS16b, LM14a, LL18, LKK18, Liv15, LT14, Log03a, Log03b, LFLS08, L04, LR98, MA98, MS13, MH17, MV09, MK08, MR15,
Adaptive-Krylov [LT14]. Adaptive [BCGR98, HG00, Lee14, RKLN07, TT06]. Adaptivity [BP13b, CGKM16, CEJ10, CPB13, CM99, FDE06, Har08, KMW15, MCB18, MHS98, SV08a, WvdZsvB18, Yan18, vdZvBd10a, vdZvBd10b]. add [Goe97]. Additive [AP99, BV16, Bre00, CS99, CL11, CGG07, GH99, GC97, HJN17, HMR09, Jay98, Kra12, KLL16, LSC18, LKBJ18, NT18, PS08, SCGT07, Vil14, Wan12, WGT14]. Adequate [FH06]. ADER [AGI10, TM14]. ADI [DMML05, TV98b, ZsSpH14]. ADI-Like [DMML05]. Adjacencies [SRI18]. Adjoint [ATK12, AHHR16, CLPS03, CP04, CEJ10, Csw14, FHR13, FR10, HTM15, Sch05, SU15, TW13b, WLE00, WMI09, Zs14, Sta97]. Adjoint-Based [ATK12, Csw14, SU15]. Adjoints [HM10a]. Adjusted [CHW17a, CHW17b]. Adjusting [Stef2, Zha18a]. Adjustment [CLP08]. ADM [CE17]. Admitting [DMR17]. Adsorption [BKBT18], advanced [NP93b]. Advantage [MM98]. Advantages [AR99, KB08]. Advection [ADR14, ALLK15, AHH12, BSMM16, GHH07, GGS08, KG14, LW12b, LSV13, MRvf18, MS98, NN03, PDH09, PH13, SBP04, TZ18, TM14, WXK04, WDE99, WL01, YV989, ZK14a, Zbi11, ZJC12, ZRTK12, ZTM16, PCDB96, PW12]. Advection-Diffusion-Reaction [GH07, PDH09, SBP04, TM14, ZRTK12]. Advection-Diffusion [ALLK15]. advection-dominated [PCDB96]. Advection-Reaction [WL01]. Adveective [XCS16]. Adveective-Spectral-Mixed [XCS16]. Aeroacoustic [Dor10, RSA05]. Aerodynamic [Har08, HS06b, Haz08a, Haz08b]. Aerodynamics [Tsy99]. Affine [KA95, Kor93]. Aging [GB98]. Age [BF13]. Agglomeration [JV01]. Aggregated [BMV18]. Aggregation [BFM04, BMM10, CM09, Cho05, DMM08, DMSW10, DMM10a, FKK14, GaP08, GV16, JKKM01, KW10b, MN08, Not12, PoH09, ST08, TY11, TY15, DS96]. Aggregation-Based [FKK14, JKKM01, MN08, Not12]. aggregation-disaggregation [DS96]. Ahead [FGN93]. Aided [HOY03]. AIR [MRS18]. Airfoil [Yiv95]. Aitken [BGOD08]. Aitken-Like [BGOD08]. ALE [ADK18]. Algebra [KM18, PSA99, RTR16, LJ93]. Algebraic [AC05, AS94, AP99, BQQ08, BGL08, BSH16, BS02, BFG16, BGH03, BHS10, BGs09, BB11, BB03, BBC07, BF10, BK14, BCF16, BCF00, BFm05, BTB05, BHP98, BK11, BEM17, CG95, CLPS03, CGL01, CC02, CH02, CS11, ICCVEKV17, CW93, CFH00, CKK03, DMM04, DMM10b, De12b, DM13b, Der08, Doh07, Elm98, Elm00, EN09, FS14, Gar97, GB98, GOS03, GPS95, GW00, HKR02, HR05, HTMM15, HM13, HvdG96, HTB05, JSV10, KR18, KKV13, KY03, Kn01, Kra08, KWR97, LO11, LB12, Liv15, MO08, MOSS17, MRS18, MV94, MB00, MS01, NN12, NN14, NAC15, Not12, Not17, OIs07, OST11, OT11, PRM97, PBV18, PUL08, RX17, RMB00, Sch05, Sch09, Sch10].
SS10a, SH14, TPT+16, VV13, Vir07, WHCX13, WMSG09, WE06, YGB+05, Zas95, BHP94, HTW+12]. **algebraic** [Lam97, MT97a, MS93a]. **Algebraical** [WB99]. **Algorithm** [AKA13a, AKK14, AM18, ALLK15, AFK15, And99, Ash95, AHHR16, BB94, HTW+12]. **algorithm** [Lam97, MT97a, MS93a]. **Algorithms** [APvDG12, HT16, Moo00, PXY+16, SW17]. **Alignment** [ZZ04]. **All-at-Once** [MPW18]. **Allen** [ZD09]. **Allmaras** [DHE13]. **Allocation** [HS99a]. **Almost** [CPW15, DL17, FD03, Jah04, NV98, PWZ10]. **Almost-Adiabatic** [Jah04]. **Almost-Invariant** [FD03]. **Along** [ODN17]. **Alternate** [CJ95]. **Alternating**
[BF06, CG18, DS14, GKK15, HV96, HRS12, LPS13, LD00, Lui00, Lui01, NWY10, NWY11, RDB16, SL11, Sta94, WY12, WY13, YZ11, YYWY18, ZNZ16, Gar96, Li94, ST96].

Alternating-Direction [BF06, HV96].

Alternative [JSZ13, May05, Rah13, Wal14].

Alternatives [HvdV03].

AMF [GPHHAPR18].

AMG [BFJ+15, BBKL11, Ema10, HV01, KV12b, PS11b, Vas10].

AMG-DD [BFJ+15].

AMG-DD/AMG-RD [BFJ+15].

AMG-RD [BFJ+15].

AmgX [NAC+15].

Ampère [PTvR+14, TKCC13, BW09, Fro12, PBtTB+15].

Amplification [DMBB10].

Amplitude [AIL05].

AMPS [YPHH17].

AMR [BH17].

Analogue [AV14, AdVC00, AA00, AKW17, ABC00, ASZ07, ACF09, ABTZ14, BA05, BHN10, Bar12b, Bar05, BW00, BB07, BW11, BM05, BRR04, BCM11, BR18, BVV08, BGP09, BS06b, BT16, BDW11, CKOR16, CLPS03, CH17, CRS+18, CP03a, CJD09, CDF18a, CW07, CFKM18, Ch18, CL18c, CV09, CIZ16, CW07, CG10, CLN12, CW10, CB17, CE16, CSW14, Den97b, Dj07, DH95, Di95, DT00, DTM05, DHP17, DMS18, DP03, DMM18, DHE13, DP16, EH18, ES18a, EMT09, FUNB18, FMRR13, FCZE14, FMB13, GS98a, GV07a, GJSZ13, GN16, GH15b, GGL09, GLS08, GB06b, GGM07, GKT09, GV07b, HMST11, HTMM15, HH+R03, HO96a, HLR9, HLT16, Hö94, HK95, HV04, Huc08, IHTR12, JMM01, JG02, KO05, KSB11, KY03, KGR16, KH18, LSV17, LRW96, LNP+07, Le05, LRP07, LP08].

Analysis [Li99, LSN17, LZZ18, LW15, LS05b, LC05b, LW04, LX16c, MMPR93, Man95, MRFV18, MB02, MSS10, MEHL16, MW08b, MMS05, MN08, MNZ15, NM13, NN05, OC03, OW02, PMCA15, PV17, PV15, RWKW14, RGOY10, RGG15, RX18, RLC08, SKJ+13, SV08b, SV11, SNB08, SW15, TW13b, TV93, TXC16, WC03, WL08, WRSZ18, WB00, WOW00, WO01, WW03, WTWB09, WE06, WZ15, WX17, Xie05, YPN+01, Yiu95, ZCZ04, ZF09, ZPE12, dLRT09, vGEV07, MP94, SA97].

Analytic [Bar14, KBV09, LCD14].

Analytical [BK04, PHA18].

Analyticity [GJ05].

Analyzing [SAY03].

Anchor [BTY08, LT09].

Anchor-Free [BTY08, LT09].

Anderson [EMM+99, LSV13, SBR06, TEE+17].

Angle [KR18].

Anisotropic [ABBM98a, ABBM98b, AFMP15, AP99, BS08, BP13b, Ca07, CP13b, CMIK16, CDN16, DF15, DW05b, DK03, GMS02, GJZ18, ISG15, Lee10a, LPP09, MS13, MV94, MP08, MK96, MV09, Pi03, Pi10, PABG11, Sch98, TLE12, WH15, WYT18, Win10].

Anisotropically [GHH07].

Anisotropy [BT99].

Anomalous [CK17, CLAT10, CHL16a, CHL16b].

ANOVA [ZCK12].

Antenna [ATV07, BH07].

Antidiffusive [BCV13, MS09].

Antipersonnel [XK08].

Antiplane [GT98].

Antireflective [CH08b, SC03].

Any [Ain14, AGK18, CCF14, PCFN16].

AP [Jin09].

Aperture [BL03a].

Application [AdSGC12, ABdSF15, AKW17, AMH11, AHDK14, AWA+18, ACCP13, BLV17, BBH18, BG05b, B1a03, BLGL11, BMR13, BDR18, BTGH12, BTGMS13, BG13, BFSN08, CGL+12, CG14a, CTB15, CM98a, CM98b, CH17, CS18b, CBK18, DMM+08, DKO12, DCS010, EBS+11, FDFW07, GTMP07, GGOY02, GV13, GRL10, GW98, GJ07, GL10, GC16b, HSS08, He05a, HDZ16, HSBC97, Hua05, HTH+16, Hwa07, ISG15, KEOV15, Kra12, LCH09, LSV17,
Applications
[AKM+14a, BF01, BOR97, BTY08, BM10b, BR09, BC09b, BGMW17, CB98, CEOR18, CJZ16, CWY17, CL08, CFS06, CG11, CDW14a, CDW14b, CMG05, CST16, DTV13, DGSW10, DW05b, ERSZ17, Ema10, ES00, FMYT16, FKTW10, FSS13, GaP08, Gar00, GRPG01, GU17, GLW18, HT09, Hri03, Hri05, HiH18, Jia14, JED10, KK18, KR17, KPÇA12, KVMK01, KLL+16, Lee13a, LZ01, LWYX18, Log03b, LD04, MRFV18, MSL13, AE18, MSW05, PH13, RGG15, Rub12, RCL08, SM17, SPS18, SZ06, SY10b, SY12, SW16, SZ00, SS03, SZZ97, Smi97, TPT+16, WS07, WS06, WM05, XZ10, YMM14, ZWH+14, ZyG11, CC96, LCW95].

Applied
[AA13, BLS14, BMV13, CV07, CBS00, DDGS16, DLM16, DHJW08, DHE13, GLOR16, HML+04, HLP08, KM07, MNS07, AE18, MSW05, PH13, RGG15, Rub12, RCL08, SM17, SPS18, SZ06, SY10b, SY12, SW16, SZ00, SS03, SZZ97, Smi97, TPT+16, WS07, WS06, WM05, XZ10, YMM14, ZWH+14, ZyG11, CC96, LCW95].

Approach
[AK09, AP70, ATV07, ACW12, ALZ14, BCS07, BDM+18, BO06, BC02, BTOY8, BHT08, BGR16, BP06, CF07, CW14, CS18b, CV94, ICCVEK17, CN10, CH09b, CRV13, CE17, DGS08, DMN08, DP03, EVLW17, EK14, EK10, Fl13, For95, FGH+08, GB08, GKF98, GLT09, HHvR03, HW03, HT16, HTW+12, HSTH18, Hor10, HC98, HLZ13, HSSZ09, IT09b, JK12, JZ13, KHE07, KSD10, KYO03, KLY06, KL13a, KS15a, KRD18, KZ16, KBP17, LSN17, LW15, LW12b, LB07, LB08, MKWG15, MO10, MDM15, Mis01, MR18, MM07, OS14, OB08, PVV11, PSLG14, PQO14, QGVW17, RS02, SCC17, SB15, TGS08, TPT+16, VS17, Vog16, WL04, WE13, WBS+17, WP98, Wic17, WB08b, YY18, YBM+18, ZK14c, Zen16, ZCI06, ZH09, Zim14, ZVF18, dFL05, dSK11, vdZvBd10a, vdZvBd10b, LL94, RG94].

Approaches
[CSW14, LZ04, SW09, ZLLT13, DS95a, Rot96].

Approximate
[AP14, ABC00, BMT96, BT98, BT00a, BCT00, BBFJ16, BB05, BC13, BT99, BT01, BGMR01, BJW18b, BH14b, CDGS05, CBG12, CBCR14, CS97, CS98, Ch00, CPD17, CST+13, DW05a, EHS+05, Ema10, GWGM03, GNL14, GS98b, GH97, GNYZ18, Gur04, HC05, HLR18, HWS05, JFG15, JP08, KM97, KRT16, LRW96, MG09, MRS18, MXB15, MMA98, NP10, RT10, Reu99, Saa03, SE11, SE13, DH16, VBA18, VW98, WZZ03, AB96, EOD03, SS03b].

approximate-factorization [SS03b].

Approach-Inverse [GS98b].

Approximating [CSW14, LZ04, SW09, ZLLT13, DS95a, Rot96].

Approximation
[AN17, APZ13, AG18, ADKM03, BG14, BGN07, BGN08, BGS, BBKT15, BG17b, BB15c, BKS16b, Bör07, BP13b, BHW99, BTGH12, BF07, CGG15, CTK15a, CNP12, CH08a, Cha07, CL08, CKO15, CMM95, CE16, DLY16, DB94, DQQ13, DGB15a, DGB15b, DOS05, EL03, ELM01, FV06, FS05, FNTB18, FT03, FDFW07, GJ08, GHHK15, GS18, GI17, GOS12a, GT94, GG09, GOV06, GCD18, GPSY17, GNPT18, GdLP+18, GNYZ18, HVK18, HLW00, HC18, HR99b, IL17, IM98, JNZ17, JK07, JP16, JSPC97, KK18, KR14, KLS+15, KK13, Kaw17, Kaw18, KPP+16, KK09, KS11, KG18, Kra12, KLL+16, KKK18, MM18, LPS10, LLLW16, LZZ18, LCL18, Mar01, MRT00, MNvST13, MR94, MNZ15, NZ06, NST18, NJ14, NSK10, PSA99, PPT11, PSSW15, PCD17, PC98, Rah96, RO15a, RW07, RAT18].
Approximations
[SY10a, SY08, SX16a, SX17, SZ00, SP16, Ste99, ST11, Str00a, TE07, TWK18, WR13, WLE+00, Wan12, WH15, Wat04, WY09, WXSX17, XL18, YSX17, ZRK15, Ain96, AE95, McG95, NCV06].

Approximative
[KKS08].

ArbiLoMod
[BEOR17].

Arbitrarily
[DS16, GHS+09, KMV99, KZ16, RMB00].

Arbitrary
[ADR14, AAD11, AS16, AD18b, AIV98, BEOR17, CL10, GPSY17, JM18, MBGV16, MH16, NSK10, PP97, RT99, SG04, TCI2, WK06, YY11, DR93a].

Arbitrary-Order
[AD18b].

Arbitrary-Precision
[JM18].

Arc
[CDM+13].

Architectures
[AHK+17, ABC+14, CP95, Gon15, GKN18, HWD02, LD11, PDE+17, Pip13, PR96, RTR+16, TD99, YS16, BPT93].

Arclength
[LMR97].

Area
[KEF11, PP97, SCDM+10, ZF14].

Arising
[BGL08, BSSW13, CCQ16, CHH01, DD13, DMSC18, Ez11, FWA+11, GP99, GT06, Gos12b, GMS02, HHS+16, HMAS17, HBS00, KP90a, KM97, KS99, KL05, MMZ03, MS13, RT01, SL10, SSC+15, SCW+17, Str99, Tal15, WGT14, ZD09, ZNX14, vdEH05].

Arithmetic
[AT15, CJ09, Drm97, HJ18a, JD12, JF16].

Arnold
[CGP12, Gk18].

Arnoldi
[BS05a, BG17a, DCP11, EPE05, GN14, GT94, JMR17, LPS10, MY18, SSW98, TT96b].

Arnoldi/Lanczos
[GT94].

ARock
[PXY16].

ARPACK
[WT01].

Array
[IS17].

Arrays
[BBH+16, Kk99, OAA93].

Arrival
[RM008].

arrivals
[CC96].

Art
[GMSB16].

Artifacts
[CDBH16].

Artificial
[Dor10, GMS02, LN03, SD11, Tsy97].

Ascent
[DZ12].

Asian
[Mar03, dFL05].

Askey
[XK02].

ASKIT
[MXB15, MXYB16].

Aspects
[PF94, SW17, SD10, Huc93, RST93, Sun93].

Assembling
[Pet99a].

Assembly
[AAD11, RKL09, WH09].

Assessment
[ANP00, Toi96, VBA18].

Assimilation
[BZ97, BGR16, GLS08, GS12, PGLD96, RSNMR17, RLG98, TP18, TZ18, ZFHS15].

Assisted
[CVE13].

Associated
[DB94, RC06].

Astronomical
[CNJ13].

Asymptotic
[AKLP10, BLR14, Bur97, CH08a, CGK13, CDN16, DGS08, DLV17, DPS18, Gk00, HG98, HT14b, HW14a, JMN01, Jin99, JS10, JW13, Kla98a, KH18, LS12a, LM08, NBA+14, PDA09, SL09a, SM18, YJ13, BW93, TR93].

Asymptotic-Induced
[Kla98a].

Asymptotic-Numerical
[GK00].

Asymptotic-Preserving
[BLR14, CDN16, DPS18, JMN01, Jin99, JS10, JW13, JLP18, YJ13, LS12a].

Asymptotically
[APZ13, BV98, WZ18].

Asymptotics
[Gar94].

Atomic
[CDS98].

Atomistic
[OZ16, Sha12, WLLZ18].

Atomistic/Continuum
[OZ16, Sha12, WLLZ18].

Augmentation
[KNN12].

Augmented
[AVBTG17, And17, BR05a, BO06, BW11, CJY16, DGRZ15, FGM08, FL08, HKV18, KSI13, OB08, PSLG14, Vog16, Wic17, YPHH17, AF15].

Augmented-RBF
[AF15].

Authority
[FLM+05].

Auto
[Der08, MW13].

Auto-accelerated
[MW13].

Autoassociative
[SAY03].

Automated
[BL04b, DJ07, FHF13, GGOY02, KXS18, MBM+16, OIWO8, RL13, VR16].

Automatic
[Ba00, BBR04, BV00, CJK10, CV98, Cj99, DM16, GM00b, HS18, HBSC97, JK15, PT08, QDKW18, Sar97, SSW18, Sch18, SIS96, XC13, AMB+94].

Automatically
[ADGM98, Gu93].

Automation
[FCF14].

Autotuned
[DCP11]. Autotuning [HEGH14].
Auxiliary
[CS18b, KV12b, Lee13b, WHCX13].
Avascular [BCG+10]. Average [Kaw17].
Aware [AAB+16, ABST13, GMPZ06, LGH+13, Til15]. Axis [Zhe07].
Axisymmetric [GGZ02, KCL16, Kup98, MCT+05, Nit99, Ros05b].
B [CML+18b, Red99]. B-Spline [Red99].
Backprojector [EH18]. Backscattering [TBKF14]. Backward
[BM17a, BGS17, BPR16, CKOR16, DP16, GGL07, GM11, HLY13, Kas95, MO10, MT06, PS02, ZCP06, ZFZ14].
Backward-Facing [GM11]. Balance [BLMR02, KW10b, SSB08, PSB+06].
Balanced [ABB+04, BKS16a, BMMM08, BL05, CCM08, CK15, DRFNP07, GdLP+18, HSS08, LX11, TTK16, Gos12b].
Balancing [BMP14, BMP16, BO17, Bas98, Ben01, GPTV15, KR12a, NV05, Ten98, WC00, ZT17]. Ball [LLZ09]. Banach
[YZ05]. Band
[BF01, DJP00, GG09, Wil09, CN93, CT94].
Band-Limited [GG09]. band-Toeplitz [CT94]. Banded [LNC05, MSDK10, PS18, BW93, Lan93, Tre93]. Bandlimited [BR14].
Bands [GT98]. Barotropic [CDF18a].
Barrier [DMM+16, KM18, Lu95, ZK14c].
Barriers [MJR05]. Barycentric
[AH18, BHK14, FNTB18, SV13, WTG12].
Based
[ACV12, AG10, AMM+11, ADVC00, ABC+14, AKA13b, ALLK15, AHT12, ALMR17, AB08b, AB+17, AWA+18, ADH99, ATK12, ACF09, BQ08, BF01, BCR11, Bar12a, BS16a, BB08a, BOF16, BN98b, BzCS11, BSS09, BSSW13, BO06, BW11, BC09a, BPS13a, Ber00a, Ber98b, BLP14, BDvdG05, BI09, BHST08, BCCK16, BS05f, BZ15, BTT11, BCF+00, BTGH12, BGL06b, BH17, BGMW17, CCM05, CL11, CDBH16, CHV+18, CPP+17, CB98, CHR02, CEJ+10, CBG12, CV07, CKD13, ÇAK11, CD13, CGM99, CMM00, CC03, CKXZ18, CL18c, CBS00, ICCVEKV17, CJK10, CBF17, CND16, CSW14, Dk00, DMBB10, Doh03, DHP17, DGB15a, EHS+05, EO294, EOv05, EN08, EK14, FO08, FWA+11, Fra98, TV01, FN94, FM07, FM99, FKKK+14, FGH+08, GVP06, GHKK15, GL18, GLS13, GC16a, GLQ16, GY05, GSS00, GBDD10, GCD18].
Based [GHS+09, GMPZ06, HKKYY16, HKF+13, HH13, HKR16, HRT13, HS06c, HTW+12, Ho04, HR99c, HJMS07, ILW17, ILK05, JKMK01, JMNS16, JS10, J0V1, Jou94, JGZ06, JK00, KKP+14, KH14, KB08, KMW15, KA95, KA95, KMR01, KHE07, Kra08, KKB17, Lan98, LLHF13, LS95, LZ17a, LFB13, LNP15, LN17, LM08, LT09, LX14, LFJS14, LI17, LLL08, LI08, LI95, LLYC17, LV01, LFBO08, LZ04, MOSS17, MRS18, MO00, MCB18, MO10, MR18, MFP18, MWY17, MHS98, MN08, NXDS11, NWW11, NK13, NS03, NRSD18, Not12, OS14, PKR+13, PQOB14, Pic03, Pla98, PMSB12, Rad16, RBH06, RG98, RSW10, RNR13, RS13, RLM+00, RAT18, ST16a, Sco17, Sha12, SM18, SP16, SSF16, SU15, Ste00, SL09b, TLN14, TW13b, Til15, TY15, VMM13, VW94, WWY09, WZET13, WD+18, WNC08, WY08Z10, WZSL12].
Based [XBC96, YJ13, YBY15, YC99, Yu01, YSZ14, ZBFN17, Zha97, ZC04, ABS96, BST08, BBSSW15, CMV97, DHO12, FFS07, GKM+17, Jam96, MOKS12, NP96, Pir16, RR98, ZDZ16, ZH18, GMM15, HS06d, GS14].
Bases [CW16a, SLC01, TW03, ABCR93].
Basis
[AB17, AD15, BKGV16, BK16, BN98b, BLB00, BEEM18, Bla97, BM00, CW16b, CDS98, CHMR10, CBN02, DDMQ18, DFS17,
Ded10, DP07, DFQ14, DHO12, EPR10, EF15, FM12, FP07, FLF11, Gar00, GV12, GD07, HSZ12, JK10, JK15, JP16, KKS13, KR06, KP10, KL13b, LLHF13, LSH17, LQR12, LSW17, MR04, MS13, NRMQ13, OS14, OS15, Ong97, Pir16, PS10b, PSS17, QGVW17, Ros05a, VP14, VW98, WDG+18, WSK99, WR08, Yan14, Yan18, vdBF08.

**Basis/Empirical** [BEEM18].

**Batch** [WRB15, CC96].

**Bayes** [BJW18a].

**Bayesian** [APSG14, APSG16, AS18, AWA18, BCP15, BTGH12, BTGMS13, DKM14a, CBCR14, CS17, FL18, FWA+11, Hei13, HCHS13, HFL+16, JKLZ18, LM14a, LW14, PMSG14, Rei13, SSC+15, SCW+17, VBA18, WBS+17, WBTG18, YG15, YGCP96].

**Bayesian-validated** [YGCP96].

**BDDC** [BPS14a, KLR14, KLRU17, PWZ10, Tu07, dVPS+17].

**BDF** [JLZ17].

**BEM** [CP07, CSS12, GH02, HS12b].

**Benchmark** [Nie16].

**Bend** [DM14a, Benefits [MRV06].

**Bermudan** [DK14c, BK00a, BK10, CDH98, HJ18c, PMH+16, TX17, CDH97, Zha94].

bilevel [CV93].

**Bilinear** [AG16, D’A00, Dul98, JK08, KHU96].

**Biology** [DTT+16, LNA+11].

**Biomedical** [JED10].

**Biostatistics** [HBSC97].

**Biot** [BBD16, LMW17, PRM09, Ros06a].

**Bipartitioning** [AKA13a].

**birthday** [PS97].

**Bisection** [AG18, AMP00, CCB09, HO15, LK93, MC09, Mau95, ST97].

**Bit** [HiLZ18].

**Bivariate** [HHL07, PH16].

**Black** [BMM98, JK07, Yav96, iW11].

**Black-Oil** [BMM98].

**BLAS** [Lan98, QOSB98].

**BLAS-3** [QOSB98].

**Blahut** [MM+16].

**Blending** [AM10].

**Blind** [EK14, SX11].

**Blobs** [Ros05b].

**Bleich** [HJMS07, LIZ07].

**Block** [AKA13a, AAB+15b, ABLM17, ADRS95, APQ04, BCR03, BGL05, BGL06a, BDJ05, BS96b, BD05, CGL+12, CGL+13, CMS17, CST+13, CST16, Di 97, DF99, DGRZ15, EHS+05, GWMG03, GG03, GG05, HS17, HKD13, IM99, JFG10, JF11, JFG13, KR17, KL05, Kla98b, Kny01, Krz01, LJ93, Lin16,
LSS03, LWZ13, MSS10, MM95, MM98, MMN00, NP93b, PL03, PS11a, PMH+16, PEC+14, PSC+16, PV15, RKLN07, RWKW14, RRWK15, RT99, SZ99, Saa03, SR18, SBX+08, Soo16, SH14, Ste08, TSK09, TMA18, VV13, WX99, Xie05, Xue18, YDF97, Zie12, dSL05, AM95, CMV97, CS97, FS96, Jin95, RG94, Rot96, CPV95, KALO07, CMV97]. **Block-Boundary** [IM99].

**Block-cyclic** [LJ93].

**Block-Diagonal** [APC¸04, VV13, dSL05].

**Block-Greedy** [Lin16].

**Block-ILU** [CPV95, CMV97].

**Block-Lanczos** [BCR03].

**block-oriented** [RG94].

**Block-Parallel** [GG05].

**block-partitioned** [CS97].

**Block-Preconditioner** [PV15].

**block-size** [CMV97].

**Block-Structured** [GG03, RKLN07, SR18, Zie12].

**Block-Triangular** [Kla98b].

**Blocked** [MV16, Nov15].

**Blocking** [Gup17, MHL+15, RZTK+15, SKJ+13, VMV15].

**Blocks** [FFSS13].

**Blockwise** [CEJ+10].

**Blood** [BBBV13, BOF16, CL18a, CFZB08].

**Boundaries** [ABLS05, AHZ17, AA00, AFF+15, AP97, ABK11, AP12, AS94, AC95, ADM+15, BHG14, BCR11, BH00b, BH05, BBSW15, Bar14, BWV15, BSSW13, BH12, Ber98a, BK06, BM01b, BF95, BT13, BCI2, BIYS00, BTT13, Bru18, BKS98, BOPG06, BG04, CBB16, CCG14a, Car07, CGAD95, CP03a, CGZ99, Che98, CH08b, Coa12, CS12, CF17, DBO8, DD13, Der08, Dor10, DHE13, DK03, DKK14b, Dur16, EO15, EO16a, EJ08, EN16, EM96, EM99, ES17, EN08, FGMP13, FGMP14a, FGMP14b, FJ99, FDS13, FS02, For06, Fro12, Gär09, GY06, Giv12, GKS98, GPK04, HG02, HHT03, HS05b, HM14, HT16, HO96b, HW09, HM18, IM99, JL03, JL05a, JP01, KBV09, KP06a, KLJ10, KLY05, KC16, KP05, KP06b, KWW13, KGT07, LS99, LHL12, LOSZ07, LG97, LM12, LL11, LZZ18].

**Boundary** [LP04, LS02, MS07d, Mal07, MST15, MS07e, MS03, Nas09, NAS13, Nat98, NCT99, NP17, OSU10, ORST12, PL03, Pat97, PRSS11, RH06, RK07, RS03, RSSZ08, SB09, Sch09, SC03, SW16, Ste00, SD11, TKW08, TT96a, TY00, Tan96, TW03, TP09, Tsy99, VC00, VO15, Vil09, VPP05, WL04, WFP15, XEG06, XLG+16, YCY13, YK03, vdZvBdB10a, vdZvBdB10b, AGC96, DR93a, HG96, Rán93, Tsy97].

**Boundary-Element** [Nat98].

**Boundary-Value** [ABLS05, BLYS00, Der08, CS12].

**Bounded** [BHNPR07, Ber00b, DW15b, GM17, Gär09, GJM94, HS06d, NS06, Not07].

**Bounded-Obstacle** [NS06].

**Bounding** [KOSB16, SB05, Wil09].

**Bounds** [BGS17, BHR96, CHMR10, DM16, GH15a, GvdV17, GSS00, KL13, LQX14, Möü08, MRL+17, PS02, PDH09, SBP04, TBO10, Van00, Yan18].

**Boussinesq**
Complementarity [WC17, ZYSL15].
Complements [BS05e]. Completely [ZLWZ18]. Completion [AKM+14a, CA16, GKK15, Ste16, TW13a, WLL+15].
Complex [AM04, AL99a, AH04, BBKK97, BOR97, BS96b, BKS13, BGL06b, CCG14a, CMM95, DH01, DJT08, Du11, GM14b, Har11, HML+04, HGZ17, IP06, Kir14, KC16, LS09, MF06, MO08, Nat98, SY14, SMR16, SXK17, SAE10, Ste16, TW13a, WLL+15].
Complex-Geometry [SXK17].
Complex-Symmetric [Nat98].
Complex-Valued [Har11, HML+04, HGZ17, IP06, Kir14, KC16, LS09, MF06, MO08, Nat98, SY14, SMR16, SXK17, SAE10, Ste16, TW13a, WLL+15].
Complexity [ABLM17, GM14a, HVW95, IL16, KKT13, Kir14, LZK17, ZTBK18].
Compliance [PVV11].
Complicated [AGH13, Bre96, Yav93].
Component [GG05, GH14, HMST11, SP16, WZET13].
Component-Averaged [GG05].
Component-Based [SP16, WZET13].
Components [BzCS11, FB95, HTH+16, OW02].
Componentwise [FKQS17, Van00].
Composite [AGH13, C896, CKXZ18, EIL+09, GM14a, HM10a, LMPQ03, Mu99, Par17, PP12a, PRSS11, SP03, SJJ09, XBC96, ZCW10, Pet93]. Composite-Grid [LMPQ03]. Composites [TG04].
Composition [BCM05, GKR+04a, KM18, ML95, V114].
Compositional [WZET13]. Compress [SO18]. Compressed [Ash95, DFG15, KMSM14, SSSV17, YLHX15].
Compressible [ACL09, CD01, DS99, DDGS16, DL17, Egg18, GY17, Has98, HC95, LD12, LE01, LD05, LXS+08, MAB07, PCFN16, PM15, RHKK11, SA99, WLK06, YC14, HG96, Has97]. Compressing [Mar16]. Compression [AKW17, Bór09, CGMR05, GLL01, LN03, SYZO15, WG12].
Compressive [AK15, HJLZ18, YZ11].
Comput [BEM94]. Computable [ABR17, HHS+16]. Computation [ADLR15, AP01, AHHR16, AVW13, BZ10, Bal00, BS96a, BS95e, BAF00, BM18, BL04b, BMF12, Bog14, BvVC+10, BBK06, BDMFSL04, CDY07a, CFSZ08, CPT05, CBCR14, CV98, CJ99, DP17, DM16, DK11, DLP05, DGP18, Drm97, DGK98, EL01, ELtHR00, Fli13, FDFW07, GH13, GSS12, GS12, GKM+17, GST12, GB99, Gu96, GD03, HT13a, HGLS15, HAG17, Ho05, HS18, HKM97, HK02, IBM01, Inv02, ISS06, JLY08, JM18, KB96, Lab05, LHIF13, LS94, LX12, LMR97, LH00, LCH99, Lu97, MH16, ML11, NP14, PSKG13, RO15b, Sch10, Se95, SL09a, SWT00, VBA18, WWH17, WT01, XLS18, ZLC03, ZZ18, ZLY+18, vVKA11, AD96, BZ93, Tsy97, WM93].
Computational [APS12, AHT12, BB17, BBP13, BS04, BCG+10, BWZ10, BTGMS13, CC98, CHL06, DMM+16, DTT+16, EHW00, EMT09, GGLT00, GM14b, GKR5, JHJ12, JKR08, Kouv09, Kra08, LCR+16, MW11, NK15, PMSG14, PDE+17, Rv05, Ros97, SD10, Ste00, TGS08, TCC18, Tsy99, TAHR15, Wan07b, Wan07a, WMSG09, Z1m14, AP93].
Computationally [DFN12].
Computations [AKW17, Bór09, CGMR05, GLL01, LN03, SYZO15, WG12].
Computer [CGDD11, GV15, HK+04, HTH+16, vdHCD15, MH95, YGCP96].
Computers [BDD+97, HKR02, HW94, Goe97, NP93b].
Computing [AEFM17, AS16, AMH11, AMHR13, AMHR15, AM18, ABB09, ADL+12, ACO98, AT15, AMB+94, BD03, BCT07, BFKY11, BD04, BL08a, BLS09, BMTZ13, BM12, BMF12, BS96b, BGSV15, BGR16, Bru18, CCQ16, CAS11, CHJ16, CC18, DR93a, DLY17, DDF00, FGL09, FMYT16, FGM95,
GH15b, GWMG03, GTMP07, GST09, GGGL10, GE96, GM96, GM00b, Gug16, HNS08, HV01, HK17, HHL15, JN10, JED10, JW05, JP19, KV96, KVM99, KPÇA12, Kei09, LCN14, LR10, LSU11, LL11, LWZ13, LT12, LR98, MV00, Man99, MV16, MB99, MW01, MG12, NH18, OKdSG17, PP97, Pe93, PSLG14, RL18, RM08a, Ros15, RX18, SDR15, SBP04, SMB07, SS03, SXK17, SO10, DH16, Str93, Swa02, TS11, TV98a, TWW16, VMV15, WX17, Wat98, WTW17, WTS94, WkZ15, WS15].

Computing [XS16, YZ07, YZ08, Zha96, ten95, DS95b, RST93, Tre93].

Concave [LNS96, NNT13].

Concentrating [LL02].

Concentrations [JW05].

Concept [SNB16].

Concepts [GW00, vD03].

Concrete [CST16].

Condensate [BH08].

Condensates [BD04, BS05c, BL08a, BLS09, BM00, BMTZ13].

Condensation [SP16, VP14].

Condition [AMHR13, AGK18, BH00b, BCH12, BHP98, CCG14a, GH15a, HLLM15, HR14, KR17, KL15, KL94, KL98, LX08, RL10, SV08b, SV11, WL04, Wan04, Win06].

Conditioned [BS07, CH17, CCG14a, Du16, PS01, WSS14, Di 95].

Conditioning [BBC07, KR00, SBC93].

Conditions [AHZ17, ABK11, BHV05, BMD016, BK18, BTT13, BG04, CH08b, Coa12, Dor10, EO15, EO16a, FJ99, FDS13, Fra12, HG02, HHT03, Her08, LRD+04, LZ18, LP03, LS02, MRS04, Mal07, NCT99, NV08, Pat97, QX08, RK07, RM08, RSS08, SC08, SC09, SD11, TAV02, Tsy99, UW94, Ush01, Vd09, WX17, WX05, HG96, Ty97].

Conducting [AKLP10].

Conduction [Don06, SCM10, SK05].

Conductive [BK98, BK99].

Conductive-Radiative [BK98, BK99].

Conductivities [MS03].

Conductivity [Du11, EIL+09].

Cone [GY05, KO05, ST03, ZYS15].

Conference [Ben15, Ben13, Ben17, Tun10, TBC+11, Vas05, vdV01, vdVDE+02, vdVDE+03].

Configuration [CL03].

Conformal [AMA18, DP98, DV98, HT09, ISW18, Nas09, NAS13, Por01, SO15, WK18, CDH97].

Conformation [BTY08].

Conformational [BMM05].

Conical [GST09].

Conjugate [ABF96, BMT96, BCT00, BBFJ16, BCL99, CRS+18, CDH98, DLZZ17, DFG15, DCL98, Fie98, GY99, GH99, JvGVS13, Kny01, Not00a, PF12, SYEG00, Sp16, SO97, VP14, NP96].

Connected [DP98, DK11, NAS13, NN18].

Connecting [DDF00].

Connectivity [BM11].

Connections [KR12a].

Conservation [AB02, AD06, AGH00, BLMR02, BF16, BBSW94, BPR99, BG13, BFS08, CHR02, CGV18, CW13, CW14, CW16c, CLL13, cWCHJ12, CK94, Dk00, DMM005, DGL16, DS16, DSB17, DB07, FM06, GR05a, GB12, GMS02, HH02, HBL05, HLM+09, JF98, JSZ13, KO0a, KN01, KP07, KP17, LR00, LR02, LLLX16, LD16, LN03, MAR94, NMAB11, PPR05, QS18, QS08b, SL11, ST17a, SMT01, SJ01, SJ14, TW12, Tor12, TLE12, TW95, VS03, WD+18, YHQ12, ZQ17, dLRT09, BH97, Pem93].

Conservative [AH12, AHR12, AS05, CH94, cWCHJ12, DS16, EGG18, GC10, GJ07, LLV16, LW16, NH14, PM15, REI18, RG09, SLO9b, YY11].

Conserving [AH06, CL97, DG09, HLM06, LW12a, MRR13, sRV11].

Considerations [CC98, FK97, Moo00].

Considered [Gri94].

Consistency [Lu95, NP08].

Consistent [BPR04, BHP98, BJV18a, Dor98, HSWW08, LY13, MSDK15, PBA18, SH12, TKCC13, WMU13].

Consistently [BBGS04].

Consolidation [BRBT12, LM17].

Constant [ABST13, BG15, Br18].
DZSN09, FGMP13, FGMP14a, FGMP14b, HCRT13, Ren15, SL09b, VMV15, vdDA12].

**Constant-Coefficient**

[FGMP13, FGMP14a, FGMP14b].

**Constituted**

[LXK08].

**Constrained**

[AV14, AEMM16, AOR18, BV03, BLR99, BPS13b, BG05a, BG05b, BU15, BCL99, BLNZ95, CKXZ18, CLTX15, CK94, Doh03, DS17, DGJ03, EN16, FCC10, GU17, GHN01, GV07b, GKL08, Haz08b, HRT13, HD15, Jay98, KB08, KP12a, KS94, KSD10, KP12b, LCH09, LST07, MH17, MB17, NMY10, PWF18, PR09, PBC05, PC07, QGVW17, RP01, RDW10, Ros06b, SWW08, Vas10, YMW07, YHC16, YP98, AE95, AP93, Dax93, GHKS14, KHRvBW14, SB15, PST15].

**Continuous**

[BB13, BS95, BT04, BB08b, BV00, BG13, CE17, EZ11, FEM08, GS98a, GPSY17, HM10a, HH13, Kim08, KW18, KS14, KK16, MMT15, MS18b, SL09b, SW10b, TSK09, YWL17, BS94].

**Continuous-Wave**

[BS95].

**Continuous-Time**

[KK16].

**Continuous-Dimensional**

[BB13].

**Continuous-Wave**

[BS95].

**Controller**

[AS16, Aru12, BKGV16, BBH18, Ber98a, BH11, Ber95b, BG05b, BK00b, BK12, BH08, BVW09, CP04, CR14, CF00, CP03a, CK03, CP07, CPT05, CK98, CBW15, CHH01, Ded10, DZSN09, DZ12, DMABB10, EN16, EM96, EHW09, EMT09, FL02, GPS95, GM11, GS97, HS05a, HS12, HH06, HHWO, HR99b, IR7199a, KK18, KB08, KLS+15, KL12, KW10a, Ku12, KW15, Kus97, LPS17, LV07, LU17, LIX15, LM14c, MSS10, MRW15, MP08, NRMQ13, OPRB06, OS15, PPB14, FS13, PST15, Rav05, RW11, RW13, RL13, RW06, SMN10, SBMR18, SRW+18, TU01, Wan07a, WG12, Yiu95, ZWH+14, ZFWCW15, vVBW09].

**Controllability**

[NMS06].

**Controlled**

[vLH14].

**Controllers**

[AK04, Rav02].

**Controlling**

[Rub12, ZSD+10].

**Controls**

[GXY15, HJ18b].

**Convected**

[BRB17, Ber95b, BBM+15, BK12, BKS98, CLK18, CKV99, CDG+09, DMS01, DT00, FMM98, GR05a, GKV00, GB06b, GV98, HR99a, He196, HY10, JX13, KGM+08, KGM+11, KL09a, LE10, LCD18].

**Continuation**

[BDFO08, BNN18, CCJ07, CKK03, DER08, GKD05, HS16, KUE12, LS13a, LZ99a, LMR97, LC05b, Lui97, Ly011, RAB+14, SSH06, WY01Z10, vNLB04, LL93].
KL00a, LP96, LMR98, LS05b, Lu95, Not12, TUV10, WE06, XQX15, ZLS12.
Convection-Diffusion-Reaction [ABR17, CDG+09].
Convection-Dominated [Ber95b, CLK18, DMS01, GR05a, HR99a, Hei96, HY10, JX13, WX99].
Convective [HHT03].
Conventional [LZ04].
Convergence [ABF96, BK04, BVW03, BJW18b, CDH98, CH02, CL18c, EH18, FS02, FP14, GGL07, GG18, GK11b, HHSW11, HBS00, IM97, Kol99, LZ02, LS05b, MW03, NN12, Q508b, Red09, Ros05a, SO15, Son12, SLC01, VL10, Vil09, WMSG09, WZ15, WX17, vdVY00, BY93, HLS93, Lei93].
Convergent [Abg09, BB10, BK08, BM01a, HO18, LW07, Ros96, TBKF14, WY18, XK08].
Conversion [CC11].
Convex [AP01, BV03, FKQS17, GNP18, LNS96, LTW18, MK96, OK13, SCDM+10, TV98a].
Convex/Concave [LNS96].
Convexification [GPZ17, XK08].
Convexity [LR99, Obe13].
Convexity-Preserving [LR99].
Convolution [Ban10, BSS17, DD13, GT06, GJJ18, HT14a, HS06d, JZ17, KKT13, LFLS08, LS02, PGLD96, RO15a, RWA95, SFL06, WX17, XAW17, XL18, ZW03].
Convolution-Diffusion [GT06].
Convolution-in-Time [DD13].
Convolutions [BR11].
Coordinate [CWY17, DZ12, DR13, MB13, MHS98, PXY16, QZ14, YPN’01].
Coordinate-Stretching [DR13].
Coordinate-Update [CWY17].
Coordinates [BMTZ13, BN00, CDF18a, CM98c, HK02, LWCL03, QKW18].
Copper [Ben13, Ben15, Ben17, Tum10, TBC+11, Vas05, vdV01, vdVDE+02, vdVDE+03, Vas07].
Core [ADL+12, GKN18, Ros96, RS99, RTR+16, AGL10].
Cores [ROM18].
Corner [CKS01, DP07, LTC13, SL09a].
Corners [EO16b].
Correct [Pat97, ZH09].
Corrected [AW11, BMV13, DR13, RWW14, Str95].
Correcting [SX16a].
Correction [BQR18, CMM95, CC18, DH95, DT00, DGL+12, FTY15, GXY15, Hei96, HXX18, HIH18, JZ17, KSU14, LHR+18, OZ16, SZ06, VC00, Wu18, Yav98, LK93].
Correction-Type [CMM95].
Corrections [CWX15, HO06b, RS16, SAB14].
Corrector [RC06].
Correlated [BzCS11, Hei13, HTH+16, OV17].
Correlation [ABT14, LCL18].
Correlations [BBBV13].
Correspondence [WK18].
Corrupted [HLZ13, MRL+17, YZY09].
Corruption [SX16a].
CORS [CJH11].
Cosine [AMHR15, FO08, LCA08, RO12, RO15b].
Cosmic [SCM10].
Cosmological [RF10].
Cost [CDPC13, RMC12, SE13, TWK18].
Costs [BWH16].
Cost/Reliability [SE13].
Coulomb [BHH01, GGM01, HSW08].
Coulombic [HA17].
Counting [KPP+14].
Coupled [AFF+15, ATK12, BF01, BBGS13, BG07, CLS16, FN94, HKD13, HSSZ09, KLJ10, LSV17, LSRG17, RWW14, RWWK15, SMZ18, WH13, ZFZ14].
Coupling [ACL09, ACFO9, BCF13, BCM15a, BK18, BJ08, BRK16, BKBT18, CHV+18, CSS12, CND16, DL17, ES17, FGS14, GH02, GJ07, Her08, HQH+16, KKCZ15, KW16, KNV+16, LQR12, LK08, MNBK10, ORST12, PM15, Sh12, TK13, VY09, WLLL18, DSH15a].
Couplings [CCCZ10].
Covariance [DN97, FB95, NRS18, TTY16].
Covariances [CAB04, GLS08].
Cover [GS02a].
Covering [Wan13].
Covolume [CKV99, CMS06].
CPU [VMV15].
Crack [AFMP15, BCCK16].
Cranke [AKLP10, JLZ16a, ODN17].
Crank [GT94].
[LPP09, Mu97, Tie18, WRSZ18]. **Criteria**
[AGL13, BHvST14, BR05b, Don06, EV13, FS08, INS05, JSV10, SRI+18, WI12a].
**Criterion** [CM95, GL03]. **Critical**
[BHW99, KM05, LZO1, LZ02, YZ05].
**Criticality** [HHM17, Zas95].
**Cross** [BLS14, DV98, GK11, GH07, KL15, RO15a, WE13, WRI+14]. **Cross-Entropy**
[WE13, ZWH+14]. **Cross-Ratios** [DV98].
**Crossing** [JG02]. **Crossings** [BG11].
**Crosswind** [WX99]. **Crout** [LSC03].
**Crowding** [Ban08b]. **Crystal**
[AAB+15a, AEMM16, CS94, Fli13, GX16b, HLM16, PV15, RG13].
**Crystals** [CS94, CYZ17, MMRN15, RS00, ZYLW16].
**CSE** [DJM16]. **CSP** [HG98].
**Cub** [AB08b]. **Cub-Octahedron** [AB08b]. **Cubature**
[CZ13]. **Cube** [BHW99, CD15a, GMSB16].
**Cube-Partition** [CD15a]. **Cubed**
[TDTF03, YCC10]. **Cubed-Sphere**
[TDTF03, YCC10]. **Cubic**
[BFK05, MS07d, TV98b, Zha18a, AE95, HHRV93].
**CUDA** [DARG13, Hog13]. **Cumulant**
[DGP18]. **CUR** [KG18, SE16]. **CUR-Factored**
[KG18]. **Curl** [BVV08]. **Curl-Curl**
[BVV08]. **Current** [CCCZ10, IHTR12, JZL16a, KL12, RH09, WKM+07].
**Curse** [OT09]. **Curtis** [EJJ08]. **Curvature**
[Bru18, CS94, KKK18, Ren15, Vog16].
**Curvature-Augmented** [Vog16]. **Curve**
[BM11, BR14, BH16, COZ96, KKO2a, HO93].
**Curved** [CH09a, CW13, CW14, CS12, Far01, HT16, SF08].
**Curves** [BBSV10, DD00, EL01, EL03, GMPZ06, Hel11, JED10, LNS96, MK96, MV06, YH17].
**Curvilinear**
[BS03, CHW17a, CFJT18, CM98c, DKR12, GHTW00, HILW13, KP12b, War13, Zie12].
**Curvilinear-Orthogonal** [Zie12]. **Cut**
[BCM15b, CCE97]. **CutfEM** [CBK18].
**Cutting** [DP07, JED10, Pet99b]. **Cycle**
[Fer98, KSB11, Kwa99, VL10, BGP94, TW93]. **Cycle-Convergence** [VL10].
**Cycles** [FD03, GKD05]. **Cyclic**
[AP97, CWY17, Pen00, Ren99, LJ93]. **Cyclically** [GV98]. **Cylinder**
[HLPO8, NH12]. **Cylinders** [CM96, GP96]. **Cylindrical** [HH15, LCH99, She97].
**cylindrically** [WM93].
D [ACD+08b, BWV15, BH97, BI09, BK14, BIA99, BIA05, Bur97, CMV97, CP13, CWL+14, CCC18, CD01, CDB13, CMSS06, CH11, Don06, GH13, GV16, GD03, HA01, KW07, KAU18, KP06a, KC16, Kra09, KNV+16, LRP07, LS12b, LFS14, LYL+11, LW03, Min02, NS03, PS10b, PWGW12, PELY13, PRSS11, RL18, RH06, Sma01, VB07, ZNZ16, ZND18, ZCW10, vVKA11].
**DAE** [CLP03]. **DAES** [Bar05, ABST13, AL97, SBS98]. **DAGs**
[HRS10]. **Damage** [BA05]. **Damped**
[BV09, EKL+S18]. **Damping**
[EDGL12, Kol99, WWJ12]. **Dantzig**
[LY12]. **Daphnia** [BGSV13]. **Darcy** [EZ11, ACL09, AHT17, BT13, CDF18b, CLS16, GHMY18, HLLM15, LFW18, WY09, XZ10].
**Darcy-Flux** [EZ11]. **Darwin** [LM15]. **Data**
[ABKS16, AVBTG17, ACLZ15, AKM+S14a, BDS98, BL03a, BL06, BG10, BB08a, BzCS11, Ber06b, BvO97, BGR16, BFIO7, CTO95, CH90, CKLNO8, CE17, DGS08, DJM16, DG17a, DMM18, DSZ13, EPSU09, FS12, FS13, GLS08, GS12, GPA18, GH14, GMP20, HNS11, HHS+S16, HPH99, HKC+04, HHS94, IS17, IA14, ILW17, JZL16b, KBT14, KY14, KL08, KP05, KHW+14, KP07, LOSZ07, LMM18, LR99, LNS96, L99, LZ13b, LSO9, LB07, LB08, MZM09, MDC08, NNT13, PS18, PGLD96, PGW17, PKV16, PCL+S16, PDC99, PS12, PJ96, RSNNR17, RLG98, RDB16, RNR13, SDNL10, SX16a, SKJ+S13, SX11, SW10b, TP18, TZ18, TBKF14, Ti15, Wi09, XMRI18, YCZ13, YS16, ZC+16, ZFS15, DR93b, Gu93]. **Data-Assimilation** [TZ18]. **Data-Bounded** [Ber06b]. **Data-Driven**
[GPA18, HC18, IA14, PGW17, XMRI18].
Data-Noise [BG10]. Data-Parallel [CKLN98]. Data-Sparse [BB08a, Bör09, LOSZ07]. Database [HBK04]. Datasets [YYWY18]. Daubechies [Jam96]. Daubechies-based [Jam96]. Davey [KR11]. Davidson [AH04, CPS94, FSvdV98b, HL10, Hoe01, HHLW15, NvdP00, RO18, RZTK +15, SSW98]. Davidson-type [NvdP00]. DC [vdDA12]. DCT [ZLBC03]. DD/AMG [BFJ +15]. Dealiased [BR11]. Deblurring [BNP15, BDR18, CDBH16, CC10, CH08b, DEC05, MO00, NCT99, SC03, WNC08, YZY09]. Decay [BC13, Gos12b, ZCZ04]. Decay [BR11]. Decoding [HJLZ18]. Decomposition [ABLS05, AK17, ADGP07, AK04, BMP14, BMP16, BO17, BDD+97, BDHS10, BJNN02, BL04a, BFJ+15, BLB00, BCLT15, Bet08, BLPL14, BF95, BFK03, BEMK16, BT13, BIA05, Ca10, CSM94, CDS98, CBS00, CCG14b, CGHT14, CML+18a, CML+18b, De 12a, DM13b, DT95, Den97a, Den97b, DW17, DW94, FK+14, Gar94, GKKW18, GLMN15, GJM94, HNN+13, HLLM15, HN06, HM14, HS06c, He98, HLR18, HJMS07, IW14, JFG13, JKKM01, JCL07, JS10, KXS18, KU18, Kla99a, KW00, KLR15, Kus97, Lar99, Lee13b, LN17, LW15, MRS04, MPRW98, Meu01, MR94, Mu95, NH13, NRS18, OT11, Ose11, PS10a, PL12, QSV06, Rav02, RL10, RSSM18, RG06, RSM+15, SAY03, ST98, Ste99, TLN14, TS11, VVM12, VMV15, WGO0, YC10, Yu01, YSS07, YYY11, ZT17, ZND18, ZBK18, ZSO2, Ain96, ALT93]. decomposition [BD03, BZ93, BR95, Ca10, DS95a, He97, Nat95, Nat97, SSO93c]. Decomposition-Based [CBS00, JS10]. Decompositions [CP17, DMM18, Hön94, LWZ13, Rah13, RDB16, DH16, YR98]. Deconvolution [Bar99, EK14, DG95]. Decoupled [GHMY18, HZXC16, KS14, SY14, Ske00]. Decoupling [LC05a, LC08, Sch02, WNC08]. Dedicated [DMD+12]. Dedication [PS97]. Defect [DH95, DT00, EM96, Hei96, SZ06, LK93]. Defect-Correction [DH95, DT00]. Deferment [PSB+06]. Deferred [BQR18, CC12, FTY15, RS16, VC00]. Deficient [PRM97, QOQP99, Sco17, Wan97]. Defined [DPF15, PHA18, PV08, RL18, RS03, Say15, Zhe07, BGP94]. Definite [BGLY05, BGM13, FEM08, GM17, JFG10, MV00, MB09, Ng00, Pla15, SO18, VSS14, Zha96, FS96, FF94]. Deflated [ARMNW10, GGPV10, JvGVS13, Mor02, RF07, SYEG00]. Deflating [SO10]. Deflation [AEFM17, BEPW98, CGL+13, FBF15, FV01, GSO17, HLM16, KR12a, NV05]. Deflation-Based [FV01]. Deformable [ABC08, KRDL18, PRM09, Ros06a]. Deformation [GKT09, PWGW12, de 99]. Deformations [DZ08]. Deforming [Ros05a, Ros05b, TK13]. Degenerate [BCF12, BBM+15, CLST03, CHL16b, LSZ11, Slo02]. Degraded [NO98]. Degree [Ash95, DEV16, Gre03, IMS96, NP17, SV11]. Degrees [HHL07, Lin06]. DEIM [SE16, WSH14]. Delaunay [CW+14, CC06, CC90, CC12b, DV98, FCC10, Gär09, HGPM14, Joe93, JGZ06, LC05a, LC08]. Delay [BP97a, BMV05, CZK15a, ELtHR00, HV04, HX11, HXB13, JMM10, Kus00, May08, SSH06, TSK09, WRSZ18, ZCZK14, ZPE12]. Delay-Dependent [HV04]. Delay-Differential [SSH06]. Delays [HV04, PvdVvG17, SE00, SE13, XZB11]. Delta [SJ14, Wen08, Wen10]. Deluxe [BPS+14a, ZT17, dVPS+17]. Denoising [AKM+14a, CC10, CC03, CMK11, VO96, WNC08, WY13]. Dense [BOR97, BDvdG05, Bör07, Che98, CPD17, DB98, FT03, HLD12, HW94, HJS99, Hog13, LXdH16, Nat98, PPB13, Rah96, ST17b,
WLX +13, Yan94, LJ93]. Densities [BJW18b, GZYW18, Gab96, KKS08, SY10a, XLS18]. Density [AM05, Bar12b, BTGH12, CK17, EMT09, ES00, FGP13, FGP14a, GKM +17, HSF07, LY13, PCL +16, Red99, RN14, TV98a, UYW +15, WK18].

Dependency [Til15]. Dependency-Aware [Til15]. Dependent [ATK12, BS15a, BFN17, BCM11, BFS16, CB98, CCG14a, CEJ +10, CIZ18, CBS00, EKSW15, FEL18, GLOR16, GC17b, HJ18b, HV04, Hwa07, Kna98, LH00, MO00, ML11, MNZ15, PW16, RPK18, RZ03, RSS08, RW07, SE11, SB05, SKJ +13, TUV10, TPT +16, WE17, XCS16, ZN16, ZCW10, vSRV11, Nor07]. Dependent/Algebraic [TPT +16]. Deposition [GST +99]. Depth [ZCl06]. Derivation [ABBM98a, CGI11, FHFR13, XW05]. Derivative [AMHR13, BtVC¸G +10, DZ15, FF15, HR14, HBSC97, IT14, KR17, NL16, SPK13, XC13, DS95b, SS93a]. Derivative-Extended [SPKB13]. Derivatives [CA007, D979, GPHHAPR18, GPK04, HW14b, KP09a, MA100, OR18, ÖBO5, RKLN07, SSW18, MS93a, WTS94]. Derived [CL03, LM00]. Deriving [DO11]. Described [AKM14b, GL18, GPS05]. Describing [MK96]. Descriptive [GS13, HSS08]. Design [APSG14, APSG16, AS18, ACLZ15, BFI07, CM98a, CM98b, CGDD11, DKKP14, DW17, GS12, HOY03, HMR09, HRS10, LPS17, LD04, MEHL16, PTvR +14, RSC18, ST03, TCCK18, XZ14, vHCDD15]. Designed [BEOR17, KKN18]. Designing [CCO11, Huc09]. desingularization [HLS93]. Detailed [HS16, YS16]. Detecting [CE17, FD03, VP11]. Detection [AFMP15, BS95, BBC +16, CGKM16, CD06, DG17a, DGLW16, HHMDC18, HA08, LS09, MRL +17, VR16, WD +18, ZLW18]. Determinant [CG18]. Determinantal [PH16]. Determination [Jac03, JK15, NH14, SCC17, XCI13, SML97]. Determining [BIK02, CWD13, GJ05]. Deterministic [CCM05, FS12, FS13, Kue12, LTT16, Ros96, WKPP13, XZ14]. Deterministic-Stochastic [FS12, FS13]. Deterministic/Monte Carlo [WKPP13]. Detonation [BJ01, BBH +16, HLW00]. Detonations [CO299]. Developing [LHL11, Wal18]. Development [DMBB10, LZ99a, PV15, TKCC13, WL01, CSS09]. Device [FFMT96]. Devices [BBGS13, BG07, BBH +16, RWA95]. devising [Yav93]. DFN [BPSV15]. DG [KR14, LCH15, ZVF18]. DGTD [LSV17]. Diagnosis [BT00b]. Diagnostics [Str93]. Diagonal [AKA13a, AP05, Cas97, NIP10, PKNS14, Saa05, TS11, VV13, dSL05]. Diagonal-times-Toeplitz [PKNS14]. Diagonalizable [HLLT97]. Diagonalization [BOR97, SBR06]. Diagonally [CEHN08, KW15, QSO8a]. Diagonals [DHHR09]. Diamond [MHL +15, MW15]. Dielectric [GJLX16, MG11, XJS12, XJS13]. Diffeomorphic [MR17, MB17]. Diffeomorphisms [CM09]. Difference [AH18, BS04, BM10a, BM10b, CZZK16, CLTX15, CFJT18, DGLW16, FV06, FS02, Gas13, GHST98, GLW18, GW04b, GM04, HZ11, IW14, ILK05, IT99, Jia14, JZS13, JX13, JZ00, KP09a, KW16, Kup01, LNP15, LSW17, LN03, LW03, LS11, LP03, Lu95, YK98, MC10, MIA02, MR18, NN03, NT00b, OL98, OSCE00, PKD13, QSO3, RU01, RLC08, Str09, TB99a, TW05, TIC18, Wan04, WB12, WD +18, WLZ18, Yam02, ZLTT13, ZLJ96, ZIN00, dVM08, Eft96]. Difference-Quadrature [AH18]. Difference/Element [ZLT13]. Differences [ADK +98, HAM96, Kwa99, RMR15]. Differentiating [BT03a, BN13, BMVO5, KYE12]. Differentiating [BT03a, BN13, BMVO5, KYE12].
[RL18, SY10a, BME93, BEM94].

**Differential**

[AC08, ACVZ12, AVZ13, AW15, AS94, BP97a, BJNN02, BS96a, BBH18, BCM05, BB03, BBC07, BMV05, Bre17, BHP98, BHRW99, BOPGF06, BB02, BLL07, BDW11, CG18, CG95, CB98, CLPS03, CP04, CZK15a, CZK15b, CZZK16, CGL14a, CJKG15, CKK03, CCG14b, CMM95, CRV13, EPR10, EF15, EltHR00, EM99, FBF15, FGH08, GASSS98, GK03, GLT18, GB98, GPS95, GW00, HO18, HHS16, HTMM15, HH13, HJ98, HLS98, HO94, HO96b, HVW95, HV95, HHL07, HG00, HV04, HXB11, HXB13, IM99, JL03, KK13, KZK17, KLR15, KCB17, KW15, KMRW97, KR12b, LL17, LCH09, LU17, Lee09, LMW15a, LE17, LLS13, LCD18, LN05, LPR98, LJ17, LZ13a, LCH99, MPS18, MR09, MGB18, MB00, MPW18, Mcl95, MT97b, MT06, Mis01, Moo00, MS07e, MTB17, NT18, PRM97, PP12b, PP12c.

**Differential** [Pul08, RPK18, RMB00, RF10, RNR16, Rim18, RW06, RWX07, Sch98, Sch05, SE11, SE13, SWX16, SB05, SSH06, TSX17, TSK09, TS14, Vih14, WL08, WH13, WC17, XN02, XH05, XTD06, YR12, ZZK15, ZMK17, ZTBK18, ZTRK14, ZCP06, ZFZ14, ZPE12, ZKV99, Zygl11, bZOW07, AC96, AH18, Boeg93, BHP94, Gre93, HHKV93, Lam97, MT97a, MS93a, ZV05].

**Differential-Algebraic** [AS94, BHP98, CLPS03, CJKK03, GB98, GPS95, GW00, HTMM15, KMRW97, MB00, PRM97, RMB00, Sch05, BHP94, MT97a, MS93a].

**Differential-Algebraic** [AS94, BHP98, CLPS03, CJKK03, GB98, GPS95, GW00, HTMM15, KMRW97, MB00, PRM97, RMB00, Sch05, BHP94, MT97a, MS93a].

**Differential** [ALLK15, BBR04, BV00, CV98, Cj99, GM00b, HBC97, KL97, LLHF13, LtVBW10, MB00, PT08, XCI3, AMB94, Jam96].

**Diffraction** [HSS09].

**Diffuse** [FKQS17, JLY08, KdS05, OKdSG17, QS14, SKMF15, dSK11].

**Diffusion** [ADR14, AN17, ABF99, ABR17, And17, AWA18, AH12, AKM14b, AM05, Bar12b, BG98, BPR13, BBM15, BHMX18, BDK12, BW01, BKS98, BHK12, BG04, CK17, CNP12, CH08a, CDF18a, CMK11, CD15b, CLST03, CKV99, CDG9+09, CFM96, CE16, CHL16a, CHL16b, DMS18, EO15, EO16a, EFHL09, EV13, EPSU09, FMYT16, FMM98, FDS13, FDE9+06, GW15, GKV00, GH07, GB06, GT06, GV98, GGS08, GL18, HG98, HP14, Hen05a, HLT16, IP06, JX13, JLY08, JZL16, KGM9+08, KGM11, KBK9+08, Kla98a, Kla99, Kna98, KL00a, KL11, LS12a, LP96, LMR98, LR12, LS17, L08, LW12b, LS05b, LSV13, Luy5, LX16c, MEHL16, MO10, MPS09, Not12, PKNS14, PN16, PDH09, PS08, PS13, PP05, Pol16, PC98, RC06, RVN17, SBP04, SR12, SY08, SY09, SM94, TSTM08, TK13].

**Diffusion** [Toi08, TV10, TM14, TW17, UEE12, VS04, WKP04, WDE9+99, Wan07a, WB12, WH15, WRS18, WYT18, WE06, XX15, YTL11, YYYY, Zbi11, ZJC12, ZRTK12, ZHDZ17, ZTM1+6, dFL05, ZLS12].

**Diffusion-Advection-Reaction** [Zbi11].

**Diffusion-Reaction** [EO15, EO16a, VS04].

**Diffusion-Wave** [JLZ16b].

**Diffusions** [DMR17, JKLZ18, KOSB16, ZWH9+14].

**Diffusive** [CM09, CILZ15, DS18, JLP18].

**Diffusively** [BMV13].

**Digits** [Nik13].

**Digraphs** [MZW09].

**Dilute** [P010].

**Dimension** [Ain14, AS16, AGK18, BS05a, CM98a, CJKL16, BMRK17, GBCT10, HC95, IT14, KU18, LYLC17, MR07, NG18, PSDF12, Red09, RT09, SvG10a, SD10, WS05, WW17, ZP18].

**Dimension-Independent** [CJLL16].

**Dimensional** [ABC9+16, APSG14, AS18, AILP07, AO17, AHR12, Aru12, ASM16, BT06, BBK97, BBSW94, BPO6, BTWG08, BTGMS13, COZ96, CL18b, CHR99, CGS02, tVCAU10, CGV18, CGXJX15, CC99, CL08, CJ95, CM00b, CST1+3, DFS17, DDO0, DSRMK17, DF99, DZ13, DHZ18, EdDP09, FCC10, GJ08, GVP06, GKCI13, GGL9+8, GB06b, GT06, GV98, GH14, GC16b, HHMS15, HM98, HJ07, HXZC16, HRT03, HRT13, HC98, HR99c, HSW08,
Hun95, Hun96, HGPM14, ISW18, JK07, Joe95, JK08, JP01, KK18, KL06, KL10, KR06, KS17, KS15a, KPW17, LL98a, Le 09, LP08, LS95, LCA08, Lem16, LB15, LY16, Liv08, LD04, Mac98, MV09, MAB07, MXYB16, MB13, ML11, MZ94, MMN00, MDC08, NKLW94, NJ14, NS06, NMAB11, OS14, PNP13, PVK16, PMR16, Pet99b, PMSG14, PP13, PM15, RR03.

**Dimensional** [RT01, RW07, RF10, Rim18, RDP08, RO12, Sch02, SWB16, SY10b, SY12, SWX16, SM94, Sma04, Ste16, SJD14, TC99, Tsy99, Ush01, Vil09, VS03, WXK04, WS05, WMC12, WB12, WBTG18, WWM03, WQ08, WCHZ14, Wen08, Wen10, WSX17, XBC96, Xu04, WX05, Yam02, YHQ12, Yu01, ZsSpH14, vdHCD15, APSG16, Elt96, Joe93, KT08, LZZ18, SRCG93, SMR01, Hes97].

**Dimensionality** [ABTZ14, GH14, OT09, Sma04, ZZ04, ZCC +16].

**Dimensions** [ABMR11, ABIGG16, AA02, BK99, Ber95b, Beu05, BM05, BBMR03, BKS13, CM98b, CP07, Dk00, DS14, DK03, EZ11, EG01, FK00b, GGL100, GK98, GC97, HT17, HS94, JVG12, KKK18, KKR16, LAG14, LCI15, MXB15, MLL13, Moo00, NX12, NH12, Ong97, OT09, PV08, PWZ10, Pek12, PSSW15, RR98, Sha12, SWT00, TT13, Tu07, WS07, WDE*99, WG18, WLLZ18, XB16, YTL11, ZF14, aKT18, Cai93, EOD93, HHRV93, MSS12, Sni93].

**Dimer** [ZDZ16].

**Diminishing** [WI12a].

**Dipole** [Rah96, WKM*07, v WBV09].

**Dirac** [BK14, FKK*14, Rub12, SJD14].

**Dirac-Delta** [SJDI4]. Direct

[ASS16, BACF08, BM95a, BIA05, BH14b, COZ96, CCC17, CKXZ18, CILZ15, CIZ18, CPD17, DK10, DAE02, GM14a, GGK04b, HG12, HG00, LAG14, LL00, LXdH16, MS03, NNH99, PR09, PP12b, PP12c, RT99, She94, She95, SWX16, SV00, WT16, Xxhd+17, XOMN10, YMW07, BME93, BEM94].

**Direction** [BF06, CG18, HV96, MO10, NWY10, NWY11, Sta94, WY12, WY13, YY11, YYWY18]. **Directional** [BPT*14, EE14, EY07, ÖB05, RL17].

**Directions** [CJ95, FGM95]. **Director** [RG13]. **Dirichlet** [AO17, BK00a, BP06, CCG14a, CS12, EO15, Fli13, HJ18c, JP16, KL06, KP05, NXDS11, OK13, OW014, PMH+16, SW16, YCZ13, Zha94].

**Dirichlet-to** [Fli13].

**Dirichlet-to-Neumann** [NXDS11].

**Disaggregation** [KV13, DZ96].

**Disappearing** [APZ13]. **Discontinuities** [ALRT17, GB98, GM14b, LS94, RH06, TB02, WL97].

**Discontinuity** [DQQ13, IT14, LCH09].

**Discontinuous** [AB17, AGH13, ACCP13, BB13, BDGK18, BCS11, BDK12, BMV11, BKB18, BG04, CDG17, Cas02, CK14, CDF18a, CT03, CW17, CHW17a, CHW17b, CMS17, CD02, CVK13, CH10, CDG+09, CS16, CKRS07, DLM16, DF99, DHE13, EKSW15, EVL17, EIL01, FDS13, FHL13, GK11a, Gas13, GvdV17, GH07, GL08, Gia18, GH99, GX16b, GC16b, GC17b, GY17, GW04b, HA01, HMM17, HHE10, HH02, HHvR03, HLT16, HS01a, HS18, HS99c, HX11, HX13, JWH08, KU03b, KSSM18, Kim05, Kin08, KG14, KT08, KG06b, KW18, KO13, Li01, LLLX16, LY14, LXS16, LSS17, KQ98, MN07, MRFV18, MMT15, MKRK13, NP17, ORST12, OLW08, PCFN16, PP08a, PP08a, PP08b, Pet05, PRSS11, PoH09, Q518, QS05a, QS05b, Q508b, RCM12, RG09, RFA05, SSDN12, Sch98, SWK18, TLLK09, War13, WWM03, Whi15]. **Discontinuous** [WS18, XQX15, Xu04, X08, XOMN10, YCS16, ZK14a, ZCZK14, ZCL+11, ZP18, vSRV11].

**Discontinuous-Coefficient** [DF99].

**Discontinuous-Continuous** [Kim08].

**Discrepancies** [GPS12, MC94].

**Discrepancy** [CZ13].

**Discrete** [AP14, AN16, AB08b, AKM14b, ACD+08a, AC+08b, BT06, BST08, BPS13b, BPS13a, Bur97, CHKM13, CS10a, CW13, Che13,
CW14, CW16c, CH11, DHJW08, DG16, EEO01, EdDP09, FH06, FT03, FGH+08, FK18, Gär09, GNOR14, GZYW18, GZW18, HHE10, HM10a, HH13, HPS06, HGPJM14, JV96, JZ16b, Kof04, KZ16, KPW17, LCA08, LM17, MRS04, MEHL16, MNvST13, MM07, MRL+17, OV07, PBWB14, PRR05, PEdD12, Rah96, Reg96, RF10, RS02, SBX+08, SW10b, TZ14, VN03, WO09, WB00, WkZ15, ZD09, ZW03, ZRK15, ZNX14, vGEV07, AD18b, HH13. Disruption [DMM+16]. Dissection [GBD10, HR98a]. Dissimilarity [GLT09]. Dissipation [GK11a, GMS02, MRFV18, Roe98]. Dissipative [AHZ17, CEOR18, CDGT01, GOMO14, LSU11, LW16, Mal07, Sha03, WS95]. Distance [BtVÇG+10, CS11, CSS12, Gro02, LL17, RL18]. Distance-2 [BtVÇG+10]. Distances [BBK06]. Distillation [And99, ZYZ05]. Distinct [FBF15]. Distorted [SY08, SYY09]. Distributed [AKK14, AKK18, AK04, BKG16, BDD+97, Bar12b, BBGS13, BCF13, BtY08, BtVÇG+10, BFJ00, CHJ16, DGRZ15, GY06, GKK10, HKR02, HWD02, HV04, IH18, IBWG15, KMV99, KZK17, KL12, KZ16, PR96, SSK99, SE13, Sun96, TZ18, TD99, XvX+17, Liu93]. Distributed-Memory [BtVÇG+10, G015, PR96, Sun96, XvX+17]. Distribution [AB02, ADR14, AT17, BLH02, BV16, DGS08, KK02a, KB96, Luh15]. Distributions [BSHL14, CS14, Gub96, Man99, PF12, SBM07]. div [DMMO05]. Divergence [BF14, MS06a, Sch02, TZ18, Tor05, WYY09, XZ10]. Divergence-Free [Sch02, TZ18, WYY09, XZ10]. Divergence-preserving [Tor05]. Divide [HLD12, LT09, LS13b, NH13, TD99, VXCB16, VTD12, LL93]. Divide-and-Conquer [LT09, VXCB16]. Dividing [Hum96]. Divisible [IK10]. DMPlex [LMKG16]. DNS [BCM15a, Hof05]. DNS/LES [Hof05]. Domain [ABLS05, BMP14, BMR16, BO17, BJNN02, BL04a, BFJ+15, BLB00, BRT07, BCL15, BSS17, Bla98, BCCK16, BT13, BIA05, Cs95, CSM94, CHL06, CCG14b, CML+18a, CML+18b, DD13, Den97b, DL16, DSN16, DW17, DSN13, DW94, EHL05, FKK+14, Gar94, Gri95, GNPT18, HMM+13, HLL15, HTO03, HN06, Hes98, AD18b, HH13]. Displacement [GY17, LY98]. Displacements
HLY13, JFG13, JKKM01, JCL07, JZ00, KXS18, Kla98a, KW00, KLR15, Kus97, Lar99, Lee13b, LN17, LWT15, MRS04, MPRW98, MR94, Mu95, MSV00, Nat95, Nat97, NP08, PS10a, PGW17, PL12, PV94, PV95, QSV06, RL10, RBH06, RW01, RGG06, SRM+15, ST98, SD11, TS11, TZ14, TP09, Tie18, WG00, XA99, YCC10, YBM+18, Yu01, YYY11, ZT17, ZND18, ZBK18, ZS02, Zim14, de99, vLH14, vdZvBdB10a, Ain96, Cai93, Hes97, SS95, SS93c.

Domain-Decomposition-Type [TS11].
Domain-Map [vdZvBdB10a].
Domain-Oriented [Gri95].
Domains [Ama98, AGH13, Bar14, BK06, BWZ10, BOPGF06, CYVK15, CS12, CF05, DK11, DR13, DW15b, DHZZ18, FDFW07, FKW13, GPSY17, HG02, HHT03, HT09, HW15, HJ18c, HLW13, ILK05, KCL16, KL15, KLY05, KC16, KNv+16, MS17, NN18, OR18, RS03, SKF18, SY12, SK05, SXK17, SF08, XT06, ZZ18, VBO7].
Domain-Map [Nie16].
Dominance [Saa05].
Doniach [DG99].
Donor [MS98].
Dosimetry [DLM16].
Dot [CWC08, OR005].
Double [AMVR17, BHG14, Nie06, WK18].
Double-Exponential [AMVR17].
Double-Layer [WK18].
Double-Precision [Nie06].
Down [SCM10].
Downwarding [AB16b, BPT93].
DP [KL06, KL10, KLR14, KKR16, KLRU17].
DPG [GM014].
DQDS [LGP14].
DR [EMN17, LMW15b].
Drag [Ho05].
Drift [BS95, BHN10, BHMX18, BBM+08, DMR17, Kla98a, Kla99].
Drift-Diffusion [BHMX18, Kla99].
Drift-Flux [BHN10].
Driven [DEVI6, DMM18, GDL14, GPA18, HC18, IA14, MP08, PGW17, TVV11, XMRI18, Kös07].
Driver [Der08].
Driving [BM11].
Dropping [KRT16, May05].
DRp [PP12c, PP12b].
DSMC [Ste11].
DST [ZLBC03].
Dual [ACCO00, BCS07, BO07, BC09a, CGM99, CW14, CLK18, DFG15, FK18, HS06d, HQH+16, HSW08, IMS96, KR06, KM16, LPSB17, LN17, LD03, NH12, PWGW12, Rad16, WvdZvBdB18, Zam16, FCR93].
Dual-Mesh [CLK18].
Dual-Porosity [HQH+16].
Dual-Porosity-Stokes [HQH+16].
Duality-Based [CJ10, Ho04].
Dome [Nie16].
Dumbbells [KM18].
Dynamic [AFK15, AK17, BBGS13, Ber98b, BB09, CA94, CCFP12, CE17, DEP11, GGLT00, HM10a, HBJ04, HE94, KKK16, LSV+08, NNRW09, PR09, PVC17, PV08a, SSW98, VBA18, WMI09, WSA16, YH17, YP98, ten95].
Dynamical [AKT16, BS05a, BFN17, BCP15, CW12, GDL18, HHW00, LSU11, MTM08, MS18b, NK15, RM10a, SHP07, Sma04, WTB09, WSH14, YW17].
Dynamically [BBSV10, MM98, MN00, MN15, SNB16].
Dynamics [APvDG12, ACCP13, BLS09, BMTZ13, BOR97, BRL99, BCM15a, BR16, CL18a, CTB15, CGK13, DY06, EW00, FGL09, GKM+17, GKR16, HM10a, ISG15, JAH04, JHJ12, Jay98, Kim05, LR10, LL98a, LL11, LFWP08, AE18, NKT08, NV08, NBA+14, OKF14, QDKW18, RWK14, RWW15, RN14, SDNL10, Sch94, Sha03, SP02, SZE97, Ske09, SAY03, TKW08, WP09, WGF08, YHS07, Zim14, AP93, SRCG93].
Each [GCL+13].
Early [LFB08].
Early-Exercise [LFB08].
Earth [KY14].
Easy [GG09].
Eccentrically [GP96].
Eddies [SL09a].
Eddy
[AL07, BST08, CCCZ10, EAS08, Hof04, JLZ16a, KLI2, RH09]. **Edge**

[BG10, BBMR03, Cas97, DG17a, HHMS15, HO15, HH16, HHMDC18, MNP07, PH13, PSC^+16, RT01, Wal13, dVL10]. **Edge-Enhancing** [HHMS15].

[Edge-Preserving] [BG10].

**EEG** [AFF^+15, EVLW17, WKM^+07].

**Effect** [FLM^+05, HJP04, SHP07].

**Effective** [AHH06, CP05, CG17, EHL05, GLQ18, JZ13, Kye12, MCT^+05, NV08, TG04, WS05].

**Effects** [AAB^+15a, BER17, CDF18a, DS96].

**Efficiency** [AMM^+11, BSA13, CD02, HJ98, Kra09, vHBTC12]. **Efficient** [AG18, AS18, AFK15, ACCO00, AM05, ABTZ14, BS08, BB07, BM12, BS95, BCR11, BS05d, BMTZ13, BddSM11, BSSW13, BL07a, BS16b, BT97, BFS16, Bol03, BV00, BR11, BBK06, BRK16, BHK12, CB08, CMS94, CH02, Cla18, CL03, CHX15, CCC18, CN10, CV09, CJ99, CRV14, CD06, CV09, DH03, DAE02, DGP18, DSYG13, EWM0, Ema10, EPSU09, ES00, FDFW07, FNNB05, GS16, GNOR14, GCB15, GLR^+16, GST12, GKNW18, Gon15, GM14b, GKT09, GKN18, GS02a, GE96, HRL05, HAG17, HNS08, HJS99, HJ04, HBSC97, HMW07, IBM01, Jin99, JW13, JLP18, KW07, Ket08, KZ00, KPP^+16, KRLD18, KHW^+14, LMKG16, LS13a, LLW16, LZ17b, LZ13b, LM14b, LLZ15, LCL18, LY18, LC05b, LD11, Lun15, MMRN15, Mac98, MH95, MXYB16, MLL13, MST15, MDM15, Mon08, NH13, NN17, OS98, OGO16]. **Efficient** [PKR^+13, PHJ11, PMH^+16, PSS17, QLOQ09, RMR15, ROY03, RW07, Ren15, RKL09, RS13, RS99, ROLB15, SSS98, SSW18, SKWK18, SNB16, SSW12, SHe94, She95, She97, She99, SY10b, SY12, Sk02, ST11, SF99, SO09, TT07, TB99b, UEE12, VBA18, VPP05, WZ18, WSO6, Wan13, WLX^+13, WBFA09, WWH17, WB08b, WGF08, Xia13, XS13, XCL13, YZY09, YY18, YP98, ZFLB15, ZZ18, DG95, LMS93, PCDB96, RG94, Yav93].

**Efficiently** [KMV05, MV16]. **Eigenbasis** [Liv08]. **Eigendecomposition** [HKO99].

**Eigenfunction** [BBKK97]. **Eigenpair** [Du19, MB99]. **Eigenpairs** [De 12b, GWMG03, MW01, VK15, YZ07, YZ08].

**Eigenproblem** [LZ90a, Oet99, VS17, LZ94].

**Eigenproblems** [AA13, BC03, EPE05, GPP95, LZ99b, PPB13, Sta07, SM07, SV15, VX16, LL93, ZAK15].

**Eigenvalue** [AK15, AH04, BCS07, BLV18, BB14, BYL13, CR16, CJ05a, CDY07b, CHH10, DN13, DDLZ96, EMM^+99, ET01, rFS12, GJ17, GK03, GK18, GY02, GVMM14, HMD12, HvG96, HL10, HvD03, HXX18, HHL15, HLM16, HLM03, JM10, JKM14, JMR17, KALO07, KH18, KSU14, LSX^+16, LZ17b, LMT18, LWK^+16, MV00, MS06b, Mec01, MG12, NZ06, NH13, Ng00, NvdP00, SG11, SW03, Sta07, TD99, VMM13, VXCB16, WH15, XLS18, Xue18, YGB^+05, YBH98, vD98, CW93, DS93, MCJN94, MS93b, Tre97, YL93].

**Eigenvector** [JKM14]. **eigs** [WT01].

**Eikonal** [ABMR11, CV12, CV15, CVC14, FJP^+11, FKW13, GK05, JW08, ZCL^+11].

**Einstein** [BD04, BS05c, BL08a, BS09, BMTZ13, BN00, BH08].

**Elastic** [CSW99, DTMK14b, HMCK04, Lay06, LL97, LJL90, Min02, Sei95, TY00, VMG99, LP06, TR93].

**Elasticity** [BCCK16, CLMM00a, CLM00b, CPW15, CF05, DZ08, GOS03, HH13, KW00, KR06, KC16, Kra08, MMT15, Pav98, PWZ10, VBT99, CMV97].

**Elasto**
Elasto-Acoustic

Elastodynamics

Elastohydrodynamic

Elastoplasticity

Elastostatics

Electric

Electrical

Electrified

Electrocardiac

Electrocardiology

Electrodynamics

Electroencephalography

Electrohydrodynamics

Electrokinetic

Electromagnetic

Electromagnetics

Electromagnetism

Electromechanical

Electrostatics

Element

Element-Based

Element-by-Element

Element-Free

Elementary

Elementary-Structured

Electrophysiology

Electrostatics

Electrotransmission

Electrotransfer
Elimination
[CL11, LRW96, Saa96, YYS16, Rag95, Wri93].
ELLAM [WDE99].
Ellipses [Gro02].
Ellipsoids [Kue12].
Elliptic
[ABLS05, AW15, AGH13, ADK+98, AP90, BKGV16, BDS09, BJNN02, BBC+01, BK06, BF95, BAS09, BB03, BLYS00, BHW99, Bur13, CPV95, CPB12, Cas02, CCR12, CT03, CD02, CM15, CJ05a, CM99, CML+18a, CML+18b, CRV13, CH11, CDN16, CP17, DEV16, DK03, EPR10, EF15, EGKS94, EMT09, EPV94, EIL01, Fro12, Gar05, Gia18, GM14a, GXY15, GH99, GS00, HW15, HHS+16, HCRT13, HN06, HLT16, HG00, ILK05, Jia14, JCL07, JGZ06, KCL16, KMW99, KS11, KLR15, Knu96, KT08, KRP17, Kus97, LP11, LP13, LV13, Lee09, Lec13b, LLW16, LY13, LNS15, Liu00, MV94, MK08, MWY17, NRMQ13, NV98, Ols07, PL03, PS11a, PP08a, Pic03, PRSS11, QZZ14, Sch98, SY10b, SY12, ST00, Sta07, TY08, TPB17, TV98b, WR13, WZ18, Wan04, WHL18, Xu94, YZ05, bZOW07, Cai93].
Elliptic
[Gre93, HHRV93, McG95].
Elliptic-Parabolic
[LV13].
Elliptic-Type
[Kus97].
Elliptical
[PRM09, Ros06a].
Embedded
[AP12, BH12, CKN06, HBL05, KP05, KP06b, LKVW10, ÖBO5, PDE+17, SSVW17].
Embedding
[CL18c, DFS17, DN97, GL18, GLT09, MDC08, CG93].
Embedding-Based
[GL18]. Emerging
[AHK+17, PDE+17].
Empirical
[AN16, BEEM18, CS10a, DG16, DOH12, JK10, Kea97, PBWB14].
Employing
[WWY11]. enabled [CGHT14]. Enabling
[MKW15]. Encapsulating
[UA04].
Enclosed
[PHA18]. Enclosing
[LHL12].
Enclosures
[BBB14]. Encoded
[NNRW09].
End
[ZMK17]. End-Point
[ZMK17].
Endpoint
[AMVR17]. Energetic
[Lee10a].
Energetics
[BZ10]. Energy
[AK15, AAB+15a, AN16, BPS14b, BW01, BJ08, BMR13, CCC17, CYZ17, DK10, DJP00, DG09, Doh03, DS14, GJ08, GMYH18, GZW18, HSWW08, HKR16, HP03, HJ04, In99, KG14, LW12a, Li03, MNP07, OST11, OW014, RWW14, Sha12, SY14, Vas10, WCS00, YY18, Yan18, ZYLW16]. Energy-Based
[Sha12]. Energy-Consistent
[HSWW08].
Energy-Corrected
[RWW14]. Energy-Minimizing
[HKR16, WCS00]. Energy-Norm
[Yan18].
Energy-Transport
[BJ08, DJP00, GJ08, HJ03, HJ04].
Engineering
[JKR08, SBMR18]. Enhance
[Zen16]. Enhanced
[ADK+98, EEO01, HLM+09, HTH+16, JFG13, KM98, PDMV08, Zim13].
Enhancement
[DG10, DS97].
Enhancements
[DMM18, EG93].
Enhancing
[Gup17, HHMS15, NZZ06, Wan12]. ENO
[CLTX15, DBSR17, GB12, JP00, JSZ13].
Enriched
[Gia18, HY10, LLIW16].
Enrichment
[OS15, SL09b]. Ensemble
[AdWR17, GCR16, GC17a, LTT16, LM14b, LM14c, NRSD18, PDE+17, Re13, UWWY+15].
Ensembles
[AM04]. Entries
[ADL+12, ADLR15, CXY10].
Entropic
[CFY18, TWK18]. Entropy
[AHT12, ADNM+15, Bi09, BDMSL04, DGS08, FR10, PCFN16, Pup03, WE13, ZWH+14].
Entropy-Based
[AHT12]. Entry
[BCT07]. Enumeration
[AHJS01]. Environment
[ADL+12, BS98, HBB+16, LCBD07].
Environmental
[SBMR18]. Epistemic
[LS12, LQX14]. Epitaxial
[BHV05, LL11].
Epitaxy
[QZT11]. Equal
[RMD08].
Equality
[GH01, HD15, wLY00].
Equality-Constrained
[HD15]. Equation
[AB16a, ABMR11, ADKM03, APS12, ALK15, ABR17, ADGM98, ABIIG16, AB08b, AL99a, ATV07, AP12, AH18, ABI00, BBP13, Ban10, Bar12b, BPB07, BLS14, BT97, BCM11, BGS09, BVV08, BV00, BK18, BP13b, BIA99, BTT13,
Equation [HC98, HR99c, HW09, Jah10, JVG12, JLY08, JS10, JW13, KMW15, KA95, KMS15, KKF11, KL13a, KP10, KBG18, KL13b, KP05, KP06b, KS14, KO13, Lar99, LMM18, LMMR00, Lee10a, Lee10a, LC18, LZZ18, LB15, LY98, LXK08, LX16a, LY16, LY18, LZ04, LX16b, MR04, MG11, MNBK10, MW03, McL12, MST15, MR01, MV06, MW16, MCV17, Nas09, NAS13, NMS06, OL98, PDH09, PR01, PMR16, Pet01, Pic10, PV15, PB18, PB15, RBH06, RU01, RK07, ST16a, SB04, Sch05, SAB14, Str94, Str00b, SD11, TY08, VMG09, VB07, WXX04, WGT14, WiO08, WH13, XKXY08, XS08, YMW07, YTL11, ZLTT13, ZLTT15, ZNZ16, ZND09, ZJC12, ZW03, ZspH14, Zhe07, ZLTM15, ZHDZ17, BPD96, CDH97, Elt96, JS93, Lie93].

Equations [ARMNW10, AH18, AC08, ACV12, AVZ13, Abg09, APZ13, AHZ17, ABD+17, A FK15, AOR18, AM17, ACL09, ALJ09, AW15, And16, ANP00, ABK11, ACD95, AKD+98, AA02, AS94, AC95, ADM10, ACCP13, BS08, BBSV10, BH07, BGL08, BLH02, BP97a, BT06, BYK05, BJNN02, BK98, BK99, BH00b, BJM03, BW15, BGN07, BGN08, BN00, BBH18, BLB00, BG98, BM01a, BSS09, BL07a, BW11, BC09a, BS15a, BHK14, BM08, Ber95b, BPS14b, BS16b, BCF12, BK10, BPI2, BCM05, BG+03, BHST08, BCM15a, BFI6, BK18, BMSV97, BPR13, BS15b, BV09, BHT11, BCO07, BHMX18, BVM05, Bre17, BC99, BJ08, BL03c, BL05, BHW99, BOPG06, BT16, Bur13, Bur14, BEPW98, BB02, BLO7, BHK12, BDW11, CGGG15, CCFP12, CC16, CLMM00b, CLW13, CH09a, CG95, CB98, CLPS03, CP04]. Equations [CZK15a, CZK15b, CZK16, CGG14a, CFR05, CK17, CBG12, CM09, CCA03, CNP12, CV12, CV15, CCM08, CGK13, CDF18a, CK15, CCJ07, CWZO7, CHMR10, CM15, CJGX15, CLST03, CGM00a, CVK13, CW06, Ch09, CLTX15, CCV14, Coa12, CKK03, CG07, CV16, CCG14b, CGI11, CML+18a, CML+18b, CR14, CV13, CH11, CHL16a, CHL16b, DB98, DD13, DG98, DDGS16, DLZ05, DG09, DP10, DPA18, DT03, DAE02, DGGG09, DS17, DMSC18, DP03, DF99, DHO12, DHE13, DW15b, DTYY18, DGVdZ18, EPR10, EKSW15, EDGL12, Elm98, Elm99, Elm00, EE001, EHS+07, EF15, ELHR00, EOZ94, EM99, EIL01, FKQ17, FS01, FBF15, FG08, FR15, FM11, FSvdV98a, FGH+08, GJ08, GW15, GS16, GK00, GASSS98, Gar97, GNOR14, GK03, GL18, GLMN15, GRL10, GHST98, GW98, GXY15, GB98, GT06]. Equations [GV16, Gra14, GKO8, GMS18, GPS95, GM15b, GNPT18, GdL+18, GW00, GC16b, GC17b, GL18, GNS97, HG02, HO18, HHS+16, HW13, HS05b, HL09, HZXC16, HNS08, HSS08, HJ98, Hel11, H1J18c, HRT13, Hen06, Her08, Hes98, HS99b, HLM+09, HLS98, HQ04, HO96b, HBS00, HH11, HVW95, HV95, HS99c, HTB+05, HHL07, HY14, HXJ15, HZ16, HL17, HG00, HV04, HW09, HX11, HX13, HCY15, HCY16, HK02, IM99, ISG15, ILK05, JL03, JW08, JL11, Jia14, JP00, JX13, Jin09, JCL07, JLZ16b, JLZ17, JL18, JK05, JP08, JL05b, JK00, JZ00, KKK16, KK18, KM11, KNN12, KMG+11, KM97, KK13, KSS99, KLW02, KL05, KGG10, KZK17, Kla98a,
Kla99, KLR15, KR11, KLS08, KCB17, KOV15, Kue12, KW15, KW10b, KQW04, KMRW97, KL00a, KNP01, KP09b, Kus97, KR12b, Kus00, Kye12. **Equations** [LW12a, LS12a, LS99, LL17, LCH99, LLD99, Lu17, LLP98, Lay03, LL03a, Lec09, LMW15a, LE17, LSL13, LSW17, LM08, LM12, LNSZ06, LN05, LPR98, LHL11, LLX15, LZ17b, LJ17, LWZ17, LSC18, LZ13a, LT00, LLL08, LW03, LSI11, LYS13, LY14, LB06, Liv15, LFLS08, LC96, LCH99, LRO4, Lu95, Lui01, LXL11, LX16c, MPS18, MR09, MN07, MGB18, Mal07, MM1+94, MK00, Mar99, MB00, MSW05, MPW98, MW18, McL95, MK08, MT96, MP08, MT99, MT97b, MT06, Mis01, MSS12, MN11, MS18a, MS07e, MWY17, MV06, MS00, MTBT17, NKLW94, NT18, NV98, NFFP18, NBA+14, NS10, Not12, Not17, Ökt05, OR02, OKD16, PS18, PKNS14, PNM16, PS10a, PFCN16, PL12, Penu00, PT01, PP08b, PR05, PR97, PSC18, PVdV17, PBV18, PP12b, PP12c, PEY13, PS12, PSS17, Pui08. **Equations** [Pup99, RMR15, Rah96, RPK18, RAB+14, RT01, RL10, RX17, RW11, RMB00, RC06, RG09, RR16, Rim18, RW01, RW06, RWW07, RSA05, SMZ18, Sar98, Sch98, SV08a, SSW18, ST16b, SE11, SE13, SY12, SWX16, SYY09, SM94, SWT00, Sim07, SB05, SvG08, SV11, Staq94, SMN10, ST98, SSH06, TLN14, TLLK09, TW05, TC12, TSK09, TM14, TC99, Tor05, TTK16, TS14, VSO4, VI14, VS03, Wab05, WC03, WDE+99, WL01, Wan07a, WL08, WWY09, WW11, WMC12, WB12, WRSZ18, WHL18, WYT18, WW03, WGS17, WE06, WvdZSvB18, XZB11, XQX15, XK02, XH05, XT06, Xu09, Xu09, Xu04, ZX10, YCY13, YJ13, YDF97, YCC10, Yan14, Yan18, YR12, YCS16, ZN16, ZK14a, ZCZ14, ZKZ15, ZMK17, ZTBK18, ZS03, ZV05, ZCW10, ZCL+11, ZLS12, ZRTK12, ZTRK14, ZFLB15, ZFwCW15, ZZ18, ZCP06. **Equations** [ZFZ14, ZS02, ZFHS15, ZTM+16, ZPE12, ZKV99, Zy11, bZOW07, iW11, AGC96, ABS96, ABCM97, ABCR93, Akt94, AO93, AZ96, Ber97, Bin94, Bse93, CC97, DS95a, EOD93, ES96, Ema97, ED95, Gre93, HHV93, HG96, Hes97, LK93, Lam97, LV94, LC95, LSM93, MT97a, MS93a, MCJN94, MP94, PSB+06, PM95, She94, She95, SS95, WAS94]. **Equatorial** [Mar09]. **equidistant** [bZOW07]. **Equidistributed** [BKS98]. **Equidistribution** [Che94, CF97]. **Equilibria** [AEMM16, AHJS01, HBJ04, Kue12]. **Equilibrium** [AAB+15a, CHL16a, PP05, TW96]. **Equivalence** [FKTW10, TSX17, WB99]. **Equivalent** [DH01, SCC17]. **Equivariant** [Tae96]. **Erasure** [ZGG17]. **Ergodic** [Vil15]. **Ericksen** [CGGGS15]. **Erratum** [BEM94, CDW14b, FGMP14a, FS13, Hri05, LB08]. **Error** [ABF99, AV14, AdVC00, Ain07, ABR17, AOR18, ASZ07, ATK12, BR02, Ber95b, BPS14b, BCM11, BP13b, BBT11, Bre99, BDW11, Cab94, CKOR16, CP04, Cao07, CGAD95, CF00, CP03a, CK03, CP07, CWC08, C09, Che94, CV94, Cho05, CCH15, CWG10, CHOH1, CE16, Dec10, DP09, DEV16, DG16, EHW00, EMT09, FLO2, GLS08, GGL07, GSS0, HHS+16, Har08, HHW00, HL98, Hof04, HR99b, JSV10, KK14, KLS+15, Kas95, KS99, KW10a, Kul12, KW15, LV07, LZZ18, Liu96, LLP09, LX16c, Meu11, MNZ15, Nor07, OS15, OC03, OC05, PS02, PDH09, Pic03, Pic10, PS10b, Rad16, RKL18, RL13, San10, Sch03, SKJ+13, SSF16, TE07, TO15, TP99, TBO10, WC03, WWY11, WRSZ18, WLLZ18, Wei94, WW10, Wic17, WSH14, WvdZSvB18, Yan18, ZCK12, ZFLB15, ZHS10]. **Error** [dLR09,vdZvB10a, vdZvB10b, DG95]. **Error-minimizing** [Wei94]. **Error-Oriented** [Wic17]. **Errors** [KG11a, GGK+04a, GMO14, GRK16,
GPS12, Hei13, HW99, LHR$^+$18, Men94, RW97, Rub12, SX16a, ten95, AGC96, SS93b. Errors-In-Variables [ten95]. Escape [GDL14]. Essential [Sch99]. Essentially [CFR05, HKYY16, QS05a, QS08b, ZLS12, ZQ18]. Estimate [BR02, CPP$^+$17, KLS$^+$15, Str93, Wat98]. Estimates [AL07, BP13b, Br99, CDH98, CAB04, DEV16, GS18, HHS$^+$16, HZ11, HR99b, JSV10, KL15, KL94, LD03, Meu11, PDT09, TBO10, WW03, ZCK12, ZHS10]. Estimating [AMHR13, GSO17, HS12, HR14, HR16, KK16, Le93, MW11, PVV11, SLO13]. Estimation [AK15, ABF99, Ain07, ALLK15, ABR17, AOR18, AT12, AM05, BP97a, BG10, BF13, BPS14b, Bla03, BBT11, BM00, CP04, CCH15, Ded10, EH00, EMT09, ES00, FB95, GCB04, GM00a, GK13, Har98, HCTR13, Hei13, Hof04, HTH$^+$16, JKLZ18, JBL18, KH14, KR17, KS99, KLR98, KU96, KHKL16, LV07, LX08, LM17, Liu96, MS07d, MDG$^+$18, Ng94, NRS18, PHA18, PWG16, PCL$^+$16, PS10b, RKL18, RW13, RTH17, SKP13, SW01, TP18, TE07, TO15, TTY16, TP99, WWY11, WE13, WLLZ18, Win06, WSH14, WvdZvB18, YR12, YSS07, ZBFN17, ZFLB15, ZTM$^+$16, ZW16, vdzVdB10a, vdzVdB10b, Liu93]. Estimator [Che16, LPP09, Pic03, Pic10, Sch03, SSF16, WW10, HW99]. Estimators [Rad16, Red99, TV98a]. Euclidian [ACCO00]. Euler [ABC07, CBG12, CC08, CDF18a, CK15, CPR11, DDGS16, DLV17, DT03, EOD93, Ena97, GNPT18, HG02, Her08, KLS$^+$15, KQW04, LK93, LDL99, LM07, LJJ98, LSM93, MV06, NBA$^+$14, SMN10, TKK16, TV93, Xu99, YC14]. Eulerian [AHH12, AHR12, BCM15a, GH18, Gra14, GPSY17, NSK10, WLE$^+$00, WZET13, WT16, YWL17]. European [AO07, FO08, OGO13, OGO16, T0i08]. Evaluate [BS98, Bar00, HS99a, PRM09]. Evaluating [EP07, Li10, OR18, Yun03]. Evaluation [AO07, Bar14, BWV15, BN98b, BER17, BV98, CBN02, CBS00, DP09, Far01, FM12, GJM94, GPK04, GKK04b, HFK$^+$13, In99, JLZ16a, JZ16, Kea97, KKL05, KLST06, KST07, KW11, LS12b, LHN96, LG09, LX14, Ni99, OSU10, OW98, RMC12, Ros06a, SNB16, YH17, aKT18, BS94, SS93a]. Evaluations [KHRvBW14, TZ14, TEE$^+$17]. Event [GL15, Ko04, LLZ15]. Every [Fe98]. Evolution [And16, BEG$^+$08, BGN07, BGN08, BGK15, CKM16, Coa12, DHO12, EOZ94, JTZ08, JLZ17, KM97, KLS08, Kup00, LPS13, LFLS08, LMMW04, McL12, MK96, MRSS14, RS00, SL11, ZFLB15]. Evolutionary [CDGT01, DKZ09, DLZ10, MPW18]. Evolving [CM09, CW16c, NN99, OX17, TN16]. Exact [BHNPR07, BL14, BBR08, CFSZ08, DMR17, DN97, Fli13, JPP08, NHSS13, NMS06, Ol01, PDH09, PV08, PEC$^+$14, Sa03, SBP04, SWU16, Str93, VS03, WVMU13, Yan18, ZH09, HLS93]. Example [CST16]. Examples [MT99, GM96]. Exascale [MRL$^+$17]. Exchanger [VP14]. Excitation [CVK13]. Execution [MZW09]. Exercise [LFB008]. Existence [FLM$^+$05, Gär09, Zyg11]. Exit [BP06, GDL14]. Expansion [BBK99, BDW11, CJ05b, CML$^+$18b, FO08, FEL18, GI17, JNZ17, JK10, Kei99, RT05, Rub12, RN14, SM15, TW09, Nat95, Nat97]. Expectation [LR10]. Expectations [ML11]. experience [Car93]. experiment [Ber97]. Experimental [BFI07, LPSB17, RCC18, TBKF14, BL03a]. Experiments [ABH03, APSG14, APSG16, AS18, Ban10, BBC$^+$01, BG12, CGP12, CGDD11, DTT$^+$16,
Explicit [AVZ13, AAI98, BPR13, BQR18, BB09, BK11, CHAMR06, CZZZK16, CS10b, CS10c, DW98, DG09, DMD12, EJL03, FGS14, GKC13, GLQ18, GMM15, HS05a, HCR13, JLP18, KCB17, KW10a, Lay06, LD05, LMSSS97, MO00, NP17, ODN17, PKD13, SKW18, SS93a, VS04, WL01, ZS02, Ena97, LK93, ZSB16]. Explicit-Implicit [ZS02]. Explicitly [DCP11, EPE05]. Exploiting [AKA13b, ABB16, EL93, GRT05, MDC08, SLvdGK14, SBS98, SW03, SvG10a, Wan12]. Exploratory [Sun93]. Exploring [ES18a]. Explosive [BBH16]. Exponential [AMVR17, AMH11, BDZ13, Bar12b, BM17b, BN13, BG13, COR13, CKOR16, DLP05, FMVY16, HKY16, HLS98, Hok17, JL03, JL05a, KCB17, KGB18, LPS10, LW16, LT14, RX18, SIR15, SLO9a, TLT12, vDEH05, OS95]. Exponentially [BB10, Lan10]. Exponentials [PPT11]. Exponentiating [Lee13a]. Exponents [BHW99, YWL17]. Exposing [BD012, YS16]. Expression [IHTR12]. Extended [AKPRB08, BPS13a, HTW12, KK16, PDB13, Ser06, Yun03]. Extending [BBH16]. Extensible [HHLL00, KMA12]. Extension [AP14, BTO4, Beau05, KO13, Pip13, RSA05, TT13, WJM15]. Extensional [KP10]. Extensions [Cho09, CS12, DG16, FFS07, MH16, Nio06, XAW17]. Exterior [HHT03, KL13a, NHSS13, TET10]. External [Tsy99, Tsy97]. Extraction [DTV13, MS07c]. Extrapolated [CS10b]. Extrapolation [ALZ14, BPR16, GSS12, HL09, HW09, JR96, JR98, MMZ03, WTG12, WI12b, XZK95, Ber97]. Extrema [KV96]. Extrimal [De12b, Zhang96]. Extreme [AHJS01, BMP16, rFS12, SR18]. Extreme-Scale [SR18]. Extruded [TPT16].
HEGH14, HR98b, HG00, Inv02, ISS06, JW08, JF16, JM18, JP11, KK98, KV12a.

Fast

[KBK+08, KP11, KLZ+06, KW11, KW18, Kup98, KGT07, Lab05, LAG14, LS94, LG97, LMPQ03, LCA08, LFBI13, LCD14, Li10, LXL15, LZZ18, LY+11, Lin16, LB12, LFLS08, LFBO08, LWK+16, LY01, MG07, MG09, MG11, MBGV16, MR07, MS05, MH16, McL12, Nag93, NAS13, NP96, NCT99, NL99, OSU10, PNW16, PRR05, PP13, PS03, PD15, PCD17, PT08, RO15a, RRR03, RRR05, RT05, RT99, Rum09, RS16, SKMF15, ST16a, SLFL06, Sch94, SC03, SWX16, SV00, SvG08, SVG10b, Str94, TW09, TN16, TZ18, TWK18, W009, WB12, WG18, WYGZ10, XLS18, XH15, XJBS12, XAW17, YV98, ZLBC03, ZNZ16, ZCL+11, ABC93, BS94, MMM+95, MMY96, Sch96, CRMC12, CD13, EMT99, RAT18, ZK14c.


FATODE [ZS14]. Fault

[AG17b, AG17a, HHL15, SRM+15, ZGG17]. Fault-Oblivious [ZGG17]. Faults [SW15].


Fejér [XH15]. Fabekto [GNYZ18, PZP07]. Felicitás [Wal18].

FEM [BC06, BH12, CF00, GM17, GH02, Sch03].

FEM/FDM [BC06]. FEMS [LWZ17].

FENE [KP10]. Fermi [Rub12]. FETI [KLO6, KL10, KR06, KLR14, KKR16, KLRU17, RT01, ST01]. FETI-μ [KL06]. Few [GHS+99]. FFT.

[GS08b, LFBO08, ZL18]. FFT-Based [LFBO08, ZL18]. FFTs [MK93, Pel93].

FFTW [Pip13]. Fibers [Wio08].

Fictitious
CK15, CFKM18, CD02, Che05, CCCZ10, CLTX15, CFJT18, CF05, CG07, CFM96, CDPC13, CHH01, CVE13, CH11, CSW14, DY06, DMM04, DMM05, DG98, DLTZ05, DRFNP07, DFN12, DKR12, DHP17, DGLW16, DMSC18, DEP11, DZ08, DW15b, DTYY18, DGvdZ18, Egg18, ES17, EHW00, EIL01, Fai03, FV06, FHFR13, FGM08, FM11, FKTM10]. Finite
[FS02, FCM12, FL08, FEM08, GJ08, GYZ11, GW15, GHMY18, Gas13, GK18, GL08, GHST98, GKT09, Gra14, GJ07, GPSY17, GdLP18, GC97, GLW18, HA01, HHS16, HH02, HL09, HZXC16, HR99a, HPS08, HZ11, HTW12, HY08, HJP03, HXX18, Hor10, HQH16, HS01a, HS18, HY10, HK95, HS99c, HLY13, HSSZ09, Hun95, Hun96, ISG15, ILK05, IT09b, JV96, JK11, JHJ12, Jia14, JSZ13, JX13, JK05, JGZ06, JR96, JZ00, KL16, K09a, Kan03a, KL05, KMS15, KNL05, KST06, KS07, Kir14, KO17, KP12b, KLY05, KLY07, KW16, KZ16, KKK18, KS14, KW10b, Kup00, Kwa99, Kye12, LD12, LW12a, LO11, LP11, LP03, LP96, LLP98, LMR98, LMM18, Le 01, Le 05, LRP07, LP08, LDS11, Lec14, LNP15, LSW17, LMM17, LOL13, LO14, Lem16, LH11, LSV13, LSZ11, LTW18, LP03, LKV99]. Finite
Lu95, LMMW04, LK98, MMZ03, MH17, MM14, MRT00, MLL13, MB13, MBM16, MCB18, MT09, Mic01, MTTV98, Min02, MSS12, MR18, MS12, Moo00, MS18a, MWY17, MSV09, NNN14, NN03, NNRW09, NV98, Nie16, NS10, Not00b, ORST12, Ox17, OQR18, OL98, OSCE00, PRS12, PTV08, PP12a, PL06, PSKG13, PM16, Pet01, Pic10, PvdVvG17, PWG12, PRS11, PC98, QZZ14, Q503, QS08b, RMR15, RL18, RU01, RW01, RKL09, RDP08, RV10, RLC08, RW14, SM12, T13, Sar10, SC17, Sar98, SJR09, Sch02, SV08a, SL09a, SZ06, SY10, SY18, SC02, SSF16, St00, Ste01, Str99, SL09b, Tal15, TB99a, TX17, Tie18, Tor05, Uli10, VP10, WS07, Wai13, WLE+00, Wan01, Wan04, WWY09, WB12, WH15, WD+18, WGS17, Wh15, WH09, WKM+07, Y22, YSZ14, ZL16, Z05, ZJC12]. Finite
[ZLS12, ZMS10, ZHS10, ZK96, ZQ18, ZJ16, Zin00, dVM08, Aim96, CP93, Elh96, MP94, PSC16]. Finite-Difference
[FV06, HZ11, ZK09, K09a, LP03, Lu95, OSCE00, RU01, ZL16, Zin00]. Finite-Element
[AV14, CGGS15, CG10, GJ08, HJP03, Le 01, Le 05, LRP07, LP08, LDS11, MTTV98]. Finite-Volume
[FEM08, MSV00, ZJC12]. Firedrake
LMKG16]. First
[Abg09, AMMR10, AMM10, AMM11, ABM13, AV14, ALMR17, AM05, BFS16, BLM03, CLM00a, CLM00b, CP03a, CP05, DM13a, DFN12, FM98, HZ16, HJ18c, HT16, HO94, HO96b, HS01a, Lan94, LMR00, LM15, LMM17, LW16, NKLW94, OKF14, PSC18, VC00, ZPE12, HO96a]. First- [DM13a]. First-Kind [NK1LW94]. First-Order [AMMR10, AMM10, AMM11, ABM13, AV14, ALMR17, BLM03, CLM00a, CLM00b, FM98, HZ16, HO94, HO96b, HS01a, LMR00, LM15, LMM17, ZPE12, HO96a]. First-passage [HT16]. First-Principles [OK14]. Fisher [DGS08, RU01, ZW03]. Fitted [Woo94]. Fitting
[BLS06, BR14, BF07, DGB15a, DGB15b, FS12, HW99, H017, LZ13b, LS00, NNT13, SL09a, ten95, OS95, FS13]. Fixed
[AII05, CWY17, DBS17, HV04, KS94, KM05, SW15, Van00, Ver96, SS95]. Fixed-Point [CWY17, Ver96]. Fixing
[HY08]. Flames [HC95, SAY03]. Flapping
[EKS16]. Flat [FP07, ZQ14]. Flexible
[CGL12, CGL13, GW17, GGPV10, HZ10, HD15, Not00a, RTH17, SBK13, SSM16, SV01, W098, Saa93]. Flexoelectric
[AAB15a]. Flight [EKS16]. Flights
[CD15b]. Floating
Floating-Point [And99, ROO08a, ROO08b, ZYZ05, ZH09].

Floquet [LZ17a]. Flow [AB17, AADM13, AL07, AHR12, AKM14b, BM11, BHN10, BD04, BL08a, BG08, BCT05, BSW13, Ber98a, BPSV15, BJK02, BSA13, BEM17, BM13, BKT18, CL97, CMS17, CP13, ICCVEKV17, CDB13, Cor98, Egg18, EAS08, EMSW12, EdDP09, Fai03, FL02, FHR14, FK97, GYZ11, GHTW00, GY09, GGS08, GM11, GP96, Har08, Hei96, HK03, HR99b, HQH+16, HB97, HC98, HR99c, Hun95, Hun96, JMN01, JKKM01, JVG12, JWH08, KGGS10, KSM18, KP10, KM98, KVM01, KWW13, Kup01, LVWW03, LHL12, LE10, Lay96, LL97, LD16, LJL98, LYL17, LTW18, LH00, LZ04, LRG017, MAB007, MIR05, MRT00, MS06a, MMS05, MZW09, MM07, NH12, OSCE00, PMSG14, Pet12, PBV18, PM15, Radv2, Rov5, RSG17, SS10a, Sl02, Sma01, SU15, Sta00, SF99, SO09, TV00, TP09, VY09, VS03, WLK06]. Flow-Control [Ber98a].

Flows [AE08, AK15, ABB+04, BB13, BST08, BKK97, BBSW15, BCL15, BPS13b, BPS13a, BG05b, BB08b, BD09b, BC09b, CFGM11, CCC17, CEOR18, Cha07, CL03, CDF18b, CC12a, CD01, CLK18, CBS00, CHH10, CCH15, DDD0, Dor98, EAS11, GJP+14, GC16a, GZG02, GZW18, HM98, HR99a, HPS06, IR08, KC15, KEF11, LCE14, LD05, MCT+05, Mnn05, MGBV16, MM14, MT99, NH99, OW00, RSHK11, Ros06b, SA99, SL09a, SY10a, Ste11, VN03, WLE+00, XMR18, YC14, ZC04, BY93, LL94, TR93, Tsy97]. Fluctuating-Point [WSA16].

Fluctuation [BLH02]. Fluid [AB17, ACF09, BQQ08, BC10, BB15a, CFGM11, CHV+18, CHH10, Cor98, CDFQ11, DY06, DP10, ES17, ES00, EF05, FUNB18, FG14, FHR14, GLQ16, GZGW18, HSF07, IR98, HJH12, KC15, KV05, LQ+12, Lee14, LM15, LO14, Lem16, LFWP08, LL08, LMK08, MRT00, MKW15, MEF09, NV08, ODN17, PRR12, PV11, QS14, RR98, RW13, SC17, SM17, SCM10, SN08, SF99, WLE+00, WLK06, XMR18, Zin14, ZVF18, vBd05]. Fluid-Filled [ODN17]. Fluid-Fluid [FGS14]. Fluid-Membrane [RR98].

Fluid-Saturated [SCC17]. Fluid-Solid [KC15, PRR12]. Fluid-Structure [ACF09, BQQ08, BC10, BB15a, CFGM11+18, CHH10, Cor98, CDFQ11, FUNB18, KV05, LQ+12, MKW15, NV08, PV11, RW13, SM17]. Fluid-Structure-Interaction [vBd05]. Fluidity [ALMR17]. Fluidity-Based [ALMR17]. Fluids [DD00, Del14, GH15, GZW18, I99, KW07, KP10, Le01, LX+08, SY14]. FluxSI [EKSS16]. Flux [ACCP13, BLMR02, BF16, EAS11, FEM08, FM07, GC16a, KQW04, PDH09, WL97, YH07]. Flux-Based [FM07]. Flux-Continuous [FEM08]. Flux-Free [PDH09].


Forced [Cab94]. Forces [BZ10]. Forchheimer [ACL09]. Forcing [WZ18, EW96]. Forests [BGW11, IBW15, WP98]. Form [AKA13a, AP04, BL07a, BF14, CZ10, CJ05b, DM14b, HIK09, HMLH18, KHE07, OR02, PSC18, PT+14, Sch18, ST11, YH17, Lan93]. Format [BG14, BKK18, DKO12, GKK15, HRS12, KKF11, Kor15, KMSM14, KP17, KH14, OD12]. Formats [RO15a]. Forms
Formulas [CK17, Ske00, SSVW17, WTG12]. Formulations [BCLT15, BMM98, BH11, BPS13b, BL14, Bjo95, BIK02, BLM03, BRB12, CW07, CRMC12, CCM08, Del14, ERSZ17, EPSU09, GM17, GS16, GP92, Giv12, HMCK04, JSZ13, KL06, KL10, Kup01, LM08, LLL08, NV08, PA18, Pat97, PEC+14, QZZ14, RG09, RH09, WZET13, YPHH17, ZVF18, dVM08, FCR93, LSM93, Nat97, PM95]. Formulations [AMM+11, AKM+14a, BB13, BHG14, DH01, GRL10, GKC13, GR04, HV07, LWCL03, MG11, MRFV18, PS11a]. Formulations [BPR16, BRR18, BJW18b, BJW18a, CH09b, DP16, EVLW17, MO10, MT06, VP10, ZS14, ZFZ14]. Formulation [BCMM03, HT14b, PDA09, Ush01]. Fraction [KM05, RF10, RS02, BGP94]. Formulation [BCMM03, HT14b, PDA09, Ush01]. Fractional [AN17, AG18, ALLK15, AF15, BCF13, BHK12, CRMC12, CZK15b, CZZK16, CK17, CD15b, DMS18, DW15b, FMYT16, FF15, GR17, GLW18, HO18, HP14, HLW00, JLF16b, JLF17, LHL12, LMM18, Li10, LZW17, LK17, LX16c, MS17, Nik13, PKN14, PNW16, SXK17, TSX17, WB12, YT111, ZK14a, ZK14b, ZCK14, ZAK15, ZLT13, ZLK15, ZLT15, ZMK17, ZT18, ZzSpH14, Zz16, ZLT15]. Fractional-in-Space [BHK12]. Fractional-Step [BCF13]. Fracture [BPS13b, BPS13a, EdDP09, HTW+12, HGP14, MM07, PEdD12, Wict17]. Fractured [CDF18b, SCC17]. Fractures [FK18, MRR05]. Fracture-Backward [BPR16, DP16, MO10, MT06]. FOSSL [LMW15a]. Fourier [AO17, MM14]. Fourier [BLS09, CRMC12, EMT99, GHR13, GMS18, RAT18, AD96, AC08a, AS16, BS94, BBV13, BR95, BR18, BVV08, BIA05, BS06b, CFY18, CDY07a, CD13, DG17a, DGLW16, DR93b, EBR00, EB96, EKSS16, FO08, FMB13, Gar00, GGL09, GP16, Goe97, GHR12, Heb95, HHvR03, HKM97, Huc08, Inv02, KV12a, KM12, Lyo11, MH16, NP96, NL99, NN99, OWO2, GO16, Pek12, PP13, RGOY10, RO12, RO15b, Sch96, WOW00, WO01, WM05, XAW17, Yin97, ZF90]. Fourier-Based [CD13]. Fourth [AO17]. Fourth-Field [MM14]. Frequency [BS95]. Fractional [AN17, AG18, ALLK15, AF15, BCF13, BHK12, CRMC12, CZK15b, CZZK16, CK17, CD15b, DMS18, DW15b, FMYT16, FF15, GR17, GLW18, HO18, HP14, HLW00, JLF16b, JLF17, LHL12, LMM18, Li10, LZW17, LK17, LX16c, MS17, Nik13, PKN14, PNW16, SXK17, TSX17, WB12, YT111, ZK14a, ZK14b, ZCK14, ZAK15, ZLT13, ZLK15, ZLT15, ZMK17, ZT18, ZzSpH14, Zz16, ZLT15]. Fractional-in-Space [BHK12]. Fractional-Step [BCF13]. Fracture [BPS13b, BPS13a, EdDP09, HTW+12, HGP14, MM07, PEdD12, Wict17]. Fractured [CDF18b, SCC17]. Fractures [FK18, MRR05]. Frame [CD13]. Frame-Based [CD13]. Frames [MM14]. Four-Dimensional [AO17]. Four-Field [MM14]. Fourier [BLS09, CRMC12, EMT99, GHR13, GMS18, RAT18, AD96, AC08a, AS16, BS94, BBV13, BR95, BR18, BVV08, BIA05, BS06b, CFY18, CDY07a, CD13, DG17a, DGLW16, DR93b, EBR00, EB96, EKSS16, FO08, FMB13, Gar00, GGL09, GP16, Goe97, GHR12, Heb95, HHvR03, HKM97, Huc08, Inv02, KV12a, KM12, Lyo11, MH16, NP96, NL99, NN99, OWO2, GO16, Pek12, PP13, RGOY10, RO12, RO15b, Sch96, WOW00, WO01, WM05, XAW17, Yin97, ZF90]. Fourier-Based [CD13]. Fourier-Cosine [FO08]. Fourth [AO17]. Fourth [AO17]. Fourth-Order [AP12, BS05c, BT97, GB06b, Hen05a, KT05, LPR02, LD16, MN18, PL03, RXW07, ZJC12, ZF14, Zha18a, ZzSpH14, She94, She95]. Fourth-Order [Zha18a]. Fourth-Order [AP12, BS05c, BT97, GB06b, Hen05a, KT05, LPR02, MN18, PL03, RXW07, ZJC12, ZF14, ZzSpH14, She94, She95]. FQMR [SV01]. FQMR [SV01].
BER17, CHL16b, DT95, Den97a, ERSZ17, HV07, IJ08, KMW99, KK02b, LAG14, RBH06, ZNZ16, Zim14, vLH14.

Frequency-Adaptive [IJ08].

Frequency-Domain [vLH14].

Frequency-Limited [BKS16a].

Friction [GdLP18, HMW07, HSW08].

Frictional [CHH01, HSWW08, Kra09].

Fringe [NNH99].

Fromm [DT00].

Front [Aru12, BLGL11, BCS11, CL97, Dk00, GT98, GGL+98, GST+99, GM13, HC95, HY08, Hwa07, LS95].

Front-Fixing [HY08].

Front-Tracking [GT98, GBCT10].

Frontier [vdBF08].

Fronts [DBC13, TN16].

Frozen [DLY16].

FSAI [JFG10, JF11, JF13].

FSAI-ILU [JFG10].

Fuel [BK00b].

Full [CGK+98, CGG+14, EZ11, FEM08, MBVO13, PBC05, RGOY10, TH17, YHC16, YBM+18].

Full-Space [YHC16].

Full-Tensor [FEM08].

Fully [ABR17, AW15, AH06, AH12, BLR14, BW01, CG18, CF00, FCC10, GZYW18, GZW18, GVMM14, HY15, JLZ16b, KS18, KPW17, LVWW03, NT18, TKCC13, Wic17, YCC10, YC14, Yam97].

Function [AP14, AP01, ADH99, AM05, BLB00, Bur97, DQF14, FMYT16, FM12, FT03, Gar97, GS12, GST09, GST12, GD07, Hei13, HR14, JK07, JK10, JK15, JBL18, KR17, KV96, KMOV5, KK09, KL13b, KHRvBW14, Kup01, LSH17, LS17, MR94, OGO13, Pir16, Rad16, RT11, RM08a, SX16a, SX17, SQO02, TEE+17, WDQ+18, Wen08, Wen10, WR080, XEG06, XS17, XKWy08, ten95, Car93, OS95, PM95].

Function-Based [Rad16].

Function-Related [FT03].

Functional [CCH15, DP17, DMN08, HSF07, HZ11, LY13, LD03, MP08, NR98, NMFP16, UWy+15, WL08, WH13, XZB11, ZKV99].

Functional-Differential [ZKV99].

Functionals [AL07, GRPG01, Hof04, MNP07, ÖB05, SCDM+10, SBP04].

Functions [AMVR17, AM18, ALLK15, ACCP13, BLMR02, Bal00, BO07, BT04, BN98b, BF13, BNP15, BGM09, Bre17, CHR99, CGS02, CBN02, CVV06, DFS17, DZSN09, DG17a, DGK08, EHL05, FL18, FP07, FLF11, FS08, GLR07, GJZ18, HK17, JP16, KL94, LLHF13, LW16, LS00, MS06a, NH18, NS03, OR18, Rahl13, Ros05a, SB13, Str95, TV98a, TW16, WSK99, Wel17, WTW17, WJMT15, XZY05, XAW17, ZCK12, ZZ18, dBMZ11, FS96, NCV06, Tan93].

Fundamental [AFF+15, AA13, SK05].

Further [CLMM00b, GG95, LZ99a].

Fusion [PVK16].

Future [EMT99].

Fuzzy [CHX15, CRV13, vdBHDD15].

G [CGQ10].

G-NI [CGQ10].

GaAs [CCM05].

GaAs-Based [CCM05].

Galerkin [LWZ17, PP08a, SNBD11, AB17, AW15, AGH13, BB13, BDGK18, BBH18, BB15a, BS15a, BS16b, BK00a, BT97, Bae93, BCS11, BDK12, BMV11, BKBT18, BG13, BG04, CDG17, Cas02, CNP12, CKQ14, CN99, CW17, CHW17a, CHW17b, CMS17, CVK13, CHH10, CDG+09, CS16, CGH11, CRV13, CRKS07, DLM16, DHJW08, DAE02, DHE13, EKSW15, EAS08, EAS11, EVLW17, EPSU09, FS14, FF05, FHL13, GKL08, GvdV17, GH07, GL08, Gia18, GLL+14, GGG04b, GX16b, GC16b, GC17b, GY17, HH17, HHE10, HS05b, HH02, HvR03, HL1T6, HS01a, HS18, HS99c, HJX15, HXB11, HXB13, Kan03b, KZK17, KSSM18, KS11, Kin05, Kin08, KL13a, KG14, KL13b, KT08, KW18, KO13, LS99, LV13, LLW16, LS12b, LLX16, LZX17, LY14, LX16a, LS17, LWT18, Liv15, Log03a, Log03b, LMMW04].

Galerkin [MN07, MRV18, MMT15, MST15, MKRK13, Mu97, MWY17, NP17, ORST12, OLRW08, PP08b, Pet05, PSS17, PoH09, QS18, QS05a, QS05b, QS08b, RMC12, RG09, RSA05, ST08, SKWK18, She94, She95, She97, She99, SW16, SS10b, Smi97, Str00a, SL09b, TVV11, TY15, Uli10, UEE12, WRSZ18,
War13, Whi15, Win10, WvdZSvB18, WS18, XQX15, Xu04, XS08, XOMN10, Yan14, YCS16, ZCL+11, ZP18, vSRV11, Galerkin-Characteristic [EAS08, EAS11], Galerkin-Projected [SBND11], Games [And17, AHJS01], Gamma [GST12, KB96, Luu15], Gaps [GK03, HLT16], Gas [BCM15a, CGK13, CF07, LL98a, LXL11, NBA+14, PL06, SMZ18, Ste11, TPW09, Xu99, YHS07, LL94, SRCG93], Gas-Kinetic [LXL11, Xu99], Gaseous [VN03], Gauge [BHST08, Chr09, DLY16, FM16, GMC18, GH13], Gauge-Invariant [DLY16], Gaunt [RY03], Gauss [Alp99, AM95, BR02, BMF12, Bog14, Day98, EJJ08, FMRR13, GK11a, HT13a, HNR17, JM18, Lan10, MR17, PZPR07, SvV10b, Swa02, TW09, Ver94, WG18, dSK11], Gauss-Quadrature [KS17], Gauss-Trapezoidal [Alp99], Gaussian [AM04, ACW12, Bar12b, BGR10, BTGH12, CL18b, CS14, DLY16, D097, D15a, FM12, FLF11, Fra98, GS14, LLHF13, LCL18, L04, MC05, PF12, PM03, PM09, Rag95, RPK18, Ros06a, Tan93, WTS94, Wri93, YR98, Zim13], Gaussian-type [MC05, Tan93], GCROT [HZ10], GCV [RVA17], General [PS97], Gegenbauer [GJ05, Jac03, Kei09], Gel [WG08], Gelation [EW00], ABK11, AH09, ADK+08, BK06, BCR09, BBD16, Bö07, CS09, CG95, CGG07, CCA03, CS10c, DO11, FL08, GHH17, GW15, HR96, HV01, HD16, Hun95, KL15, KL94, KKS13, KHE07, KHW+14, LCD14, LSC03, wLxY00, OST11, PDA09, QZZ14, RK07, Saa96, S99, SS99, TGS08, Vas10, Wat04, WZSL12, WT16, Xia13, XZB11, Zen16, ZV05, ZSB16, WTS94], General-Form [KHE07], Generalised [Kas95], Generalized [AOR18, ABP18, BS05d, BLS09, Bet08, BZ15, BCI12, BGR10, CC16, CC09, CC12b, CBN02, yCWH05, CS17, CP17, DB98, DZ15, DF10, EHL05, FCF14, FCC10, GH13, GK00, GN14, GR02, GLMN15, GY02, Hösk94, HLW13, IT09a, JNZ17, LV98, LSV17, LMRS15, LC14, Lee14, LL98b, LK04, Nas09, NV08, NvdP00, PEcD12, RMR15, SS98, SVG10b, SQ002, TLN14, VYX16, WK06, XLS18, XKW08, YR98, ZZK15, ZMK17, Zha97, ZLG98, BD93, BZ93], Generalized-Laguerre [BL09], Generalizing [ET01], Generated [AD18b, MRS16, RS13], Genetic [OW02, SBK18], Geodesic [CSB+18, MK08], Geolocation [RMD08], Geometric [AC04, AC05, BGN07, BGN08, BB05, BKS13, CHR02, CGG+14, GV15, GMT98, KP12a, KS07, KS15b, MTTV98, RL17, SB10, SSW18, TCC18, WL11, WE06], Geometrical [Du11, JW05, QL06], Geometrically [AL99a], Geometries [AA00, AO17, BBKK97, CCA03, For95, HBL05, IP06, MBG16, PHA18, Ske99, Smy97, SAE10, TK13, TW16, WT17, ABCM97, She97], Geometry [AHT12, ADK+08, KMS15, KC16, PNP13, SXX17, TW03, WWM03], Geophysical [FHR14], Geophysics [CL+12], Geostatistical [Hri03, Hri05], Geostrophic [CLP08], Ghost [GTAH12, LXX08, OZ16, WKL06], Gibbs [FP14, Hri03, Hri05, JBL18], Gilbert [BBP13], Ginzburg [DJT08, GZ16, Mu97, MDC98, NR98], Given [BF16, SSD12], Global [BBKK97, BTGMS13, CP04, CV94],
CGDD11, FL08, GJP⁺14, GAMV13, GJM94, KH14, KL13a, KW10a, Kul12, KW15, LV07, MS07d, PRM09, RW97, TGS08, vdHCDD15. 

Globalized [vWBV09]. Globally [BK08, BM01a, PBP14, TBKF14, XK08]. Glued [DPV05]. GMBACK [Kas95]. GMRES [ADGP07, BCGR98, BDJ05, BKL⁺17, BM01a, CGL⁺12, CGL⁺13, De 12a, DP03, EMN17, FG98, GAMV13, GGL07, GGPV10, GT94, Jou94, KX96, LS05b, LMW15b, Meu11, Mor02, PP08b, Saa93, VL10, WOW00, WWJ12, RF07]. GMRES-Based [Jou94]. GMRES/CR [GT94]. Goal [CPB13, CCH15, LW12b, LW14, PDTVM08, RL13, SCW⁺17, vdZvBd10a, vdZvBd10b]. Goal-Oriented [CPB13, CCH15, LW12b, LW14, PDTVM08, RL13, SCW⁺17, vdZvBd10a, vdZvBd10b]. Godunov [DW97a, NMAB11, Pem93, ZMC94]. Godunov-Type [DW97a]. Good [HW14b, ST97, Ten98, Wan07b]. Gordon [BDZ13, Zhe07]. Governed [LU17, LN05, SS95]. GPBi [Zha97]. GPBi-CG [Zha97]. GPS [CP03b]. GPU [BBBI8, CW17, CHJ16, FMYT16, GHS⁺15, GHS⁺09, HEGH14, LS17, LGH⁺13, MDM15, NAC⁺15, RL18, RNR16, RHSK11, VTD12]. GPU-Accelerated [GHS⁺15, CW17, CHJ16, VTD12]. GPU-Based [GHS⁺09]. GPUs [DPC11, GLSTV16, YTD15]. Graded [BKS13, CWL⁺14, LC08, SSW12]. Gradient [ABF96, BD04, BL08a, BMT96, BCT00, BBFJ16, BCP15, BCL99, CM98a, CM98b, CRS⁺18, CCC17, CEOR18, CDH98, DLZZ17, DK10, DFG15, DEC05, Don06, Fie98, GS12, GY99, GRMS09, GH99, HR99c, JvGVS13, Knu01, KS13, Kup00, Kus00, LS16b, NZZ06, Par17, SYEG00, SCM10, SM94, Sp16, SO97, TBO10, UYW⁺15, VMV15, WS07, ZN05, ZZWZ14, Zim13, ten95, Car93, NP96]. Gradient-Enhanced [Zim13]. Gradient-Particle [Kus00]. Gradient-Weighted [CM98a, CM98b, Kup00]. Gradients [CJ99, GRPG01, NR98, Not00a, PF12, RN95]. Grain [KLT06, Man99]. Grain-Size [Man99]. Grained [BD01, But13, CP15a, WSA16]. Grain-Weighted [ADGP07, BCGR98, BDJ05, BKL⁺17, BM01a, CGL⁺12, CGL⁺13, De 12a, DP03, EMN17, FG98, GAMV13, GGL07, GGPV10, GT94, Jou94, KX96, LS05b, LMW15b, Meu11, Mor02, PP08b, Saa93, VL10, WOW00, WWJ12, RF07]. GMRES-Based [Jou94]. GMRES/CR [GT94]. Goal [CPB13, CCH15, LW12b, LW14, PDTVM08, RL13, SCW⁺17, vdZvBd10a, vdZvBd10b]. Goal-Oriented [CPB13, CCH15, LW12b, LW14, PDTVM08, RL13, SCW⁺17, vdZvBd10a, vdZvBd10b]. Godunov [DW97a, NMAB11, Pem93, ZMC94]. Godunov-Type [DW97a]. Good [HW14b, ST97, Ten98, Wan07b]. Gordon [BDZ13, Zhe07]. Governed [LU17, LN05, SS95]. GPBi [Zha97]. GPBi-CG [Zha97]. GPS [CP03b]. GPU [BBBI8, CW17, CHJ16, FMYT16, GHS⁺15, GHS⁺09, HEGH14, LS17, LGH⁺13, MDM15, NAC⁺15, RL18, RNR16, RHSK11, VTD12]. GPU-Accelerated [GHS⁺15, CW17, CHJ16, VTD12]. GPU-Based [GHS⁺09]. GPUs [DPC11, GLSTV16, YTD15]. Graded [BKS13, CWL⁺14, LC08, SSW12]. Gradient [ABF96, BD04, BL08a, BMT96, BCT00, BBFJ16, BCP15, BCL99, CM98a, CM98b, CRS⁺18, CCC17, CEOR18, CDH98, DLZZ17, DK10, DFG15, DEC05, Don06, Fie98, GS12, GY99, GRMS09, GH99, HR99c, JvGVS13, Knu01, KS13, Kup00, Kus00, LS16b, NZZ06, Par17, SYEG00, SCM10, SM94, Sp16, SO97, TBO10, UYW⁺15, VMV15, WS07, ZN05, ZZWZ14, Zim13, ten95, Car93, NP96]. Gradient-Enhanced [Zim13]. Gradient-Particle [Kus00]. Gradient-Weighted [CM98a, CM98b, Kup00]. Gradients [CJ99, GRPG01, NR98, Not00a, PF12, RN95]. Grain [KLT06, Man99]. Grain-Size [Man99]. Grained [BD01, But13, CP15a, WSA16]. Grain-Weighted [ADGP07, BCGR98, BDJ05, BKL⁺17, BM01a, CGL⁺12, CGL⁺13, De 12a, DP03, EMN17, FG98, GAMV13, GGL07, GGPV10, GT94, Jou94, KX96, LS05b, LMW15b, Meu11, Mor02, PP08b, Saa93, VL10, WOW00, WWJ12, RF07]. GMRES-Based [Jou94]. GMRES/CR [GT94]. Goal [CPB13, CCH15, LW12b, LW14, PDTVM08, RL13, SCW⁺17, vdZvBd10a, vdZvBd10b]. Goal-Oriented [CPB13, CCH15, LW12b, LW14, PDTVM08, RL13, SCW⁺17, vdZvBd10a, vdZvBd10b]. Godunov [DW97a, NMAB11, Pem93, ZMC94]. Godunov-Type [DW97a]. Good [HW14b, ST97, Ten98, Wan07b]. Gordon [BDZ13, Zhe07]. Governed [LU17, LN05, SS95]. GPBi [Zha97]. GPBi-CG [Zha97]. GPS [CP03b]. GPU [BBBI8, CW17, CHJ16, FMYT16, GHS⁺15, GHS⁺09, HEGH14, LS17, LGH⁺13, MDM15, NAC⁺15, RL18, RNR16, RHSK11, VTD12]. GPU-Accelerated [GHS⁺15, CW17, CHJ16, VTD12]. GPU-Based [GHS⁺09]. GPUs [DPC11, GLSTV16, YTD15]. Graded [BKS13, CWL⁺14, LC08, SSW12]. Gradient [ABF96, BD04, BL08a, BMT96, BCT00, BBFJ16, BCP15, BCL99, CM98a, CM98b, CRS⁺18, CCC17, CEOR18, CDH98, DLZZ17, DK10, DFG15, DEC05, Don06, Fie98, GS12, GY99, GRMS09, GH99, HR99c, JvGVS13, Knu01, KS13, Kup00, Kus00, LS16b, NZZ06, Par17, SYEG00, SCM10, SM94, Sp16, SO97, TBO10, UYW⁺15, VMV15, WS07, ZN05, ZZWZ14, Zim13, ten95, Car93, NP96].
BGOD08, BH12, Bit99, BL05, BKS98, CH94, CKV99, DFQ14, DMBB10, EZ11, FS14, FUNB18, FEM08, Gär09, GGL09, GMSB16, GZW18, GOV06, Hen05b, Hen06, HH11, KH00, KP12b, LE10, LO14, LDM00, Mac98, MV09, Man95, NX12, PZZB15, Pet99b, RT01, RW01, RSHK11, SJR09, SR16, SNB16, TW05, TC12, Wan01, WM11, WK03, WPG13, Wu99, Yam02, YPP11, YYY11, Zen16, ZF09, Zie12, bZOW07, BZ96, Pet93.

GRINS [BS16a].

Gross [DK10, DP17].

Ground [BD04, BL08a, DP17, VS17].

Ground-State [VS17].

Groundwater [JKKM01].

Group [GL18, KV12a, MW08a].

Groups [Mit08].

Growing [FV06, FFSS13].

Growth [BHV05, Bol03, BCG10, CS94, KLT06, KW10b].

GRP [WT16].

Guaranteed [CC06, CC11, LC05a, LC08, NN12, Wal13].

Guaranteed-Quality [Wal13].

Guidance [Lee09].

Guide [GP16].

Guided [Fli13, TH17].

Guides [CC12b].

h [ST98].

Hadamard [KP17].

Haemodynamics [CDFQ11].

Hagedorn [FGL09].

Half [DT00, GHTW00, LZZ17, NN05].

Half-Quadratic [NN05].

Half-Space [DT00].

Half-Staggered [GHTW00].

Halftoning [GPS12].

Hamilton [Abg09, BFS16, BHT11, BL03c, CCFP12, CCF14, CC16, CFR05, GI99, HW13, HS99c, HXJ15, JP00, KK18, KN01, LNS20, LT00, LPS13, MN07, MK00, RR98, TW05, ZS03].

Hamilton-based [RR98].

Hamiltonian [AH17, AR99, BCF01, Ben01, BB05, BL07b, CBG16, JWH08, KP12a, MW01, PM16].

Hamiltonian/Hamiltonian [MW01].

Hamiltonians [GLQ18, JWH08, SH01].

Hammerstein [KNN12].

Hand [ARMNW10, BCCI98, CGL+13, CB98, HR05, KMR01, LN04, MN11, SG95, S016, SO10, CW97].

Hanging [ZMS10].

Hankel [KG18].

Hard [BL07b, BL08b, dMGF17, KK13, TW13a, TW95].

Hard-Sphere [BL07b].

Hardware [SW15].

Hardy [NHSS13].

Harmonic [AA02, BB10, BHNPR07, CGG+14, CWZ07, CHMR10, DLTZ06, EDGL12, HY14, JN10, MMT15, MZ94, OR18, PL12, RL10, RGG06, RT05, VK15, VYX16, Xue18, LX16b].

Harmonics [FF05].

Hartree [KKF11].

Hash [CRR18, RNR13, TAH15].

Hash-Based [RNR13].

Hastings [JKKM11].

Having [JW05].

HDG [BT16, CSS12, MTBT17].

Head [WKM+07].

Heart [Gob08, KLJ10, WiO08].

Heat [ACL09, BK98, BK99, CI17, Don06, DP16, EAS08, EBR00, GS92a, GR17, HT13b, KS14, LG09, MRR07, PK05, Str94, SD11, VP14, VB07, Xu99].

Heavy [CHL16a].

Heavy-Tailed [CHL16a].

Held [ST16b].

Hele [ZY+18].

Helmholtz [BB96, Bar14, BFK03, BS09, BIA99, BIA05, BTT13, CD13, CX15, CG17, CRV14, EEO01, ED95, EOV05, GMN02, GZ16, GH13, GOM14, GHR12, GHR13, GD03, HRT03, HZ16, HL17, HW09, KM15, KK02b, KL13a, Lar99, LMMR10, LY16, LB06, Liv15, MRR04, PEL13, SAB14, TET10, YBLH16, ZND18, ZZ18, vGEV07].

Hemodynamics [BCF13, FGS14].

Hermite [AH18, BS05c, BLS09, Bia94, BR95, HOY03, MS07d, MS17, SV13, Tan93, VVM13, WB00, XH15].

Heronian [BB05, BGL06a, CGL+13, CT94, FF94, FGN93, Fre93, FS08, HSCTP04, KPT16, KMR01, LXV+16, MS10b, PBB13, STA07, SM07, SVX15, Tre93, VD10, VK15, VX16].

Hesseneberg [BG17, AKK18, KT15].

Hesseneberg-Triangular [AKK18, KT15].

Hessian [BBC16, BBR08, BTHG12, DM16, FWA+11, HM10a, KH14, LM1SS97, Mön08, PABG11, WMUZ13].

Hessian-Based [BTGH12, KH14].

Hessian-vector [LMSS97, BBR08].

Hessians [GR07, Sch18].

Heston [HiH18, iW11].
Heteroclinic [LMR97]. Heterogeneous [BLS14, BGS09, BK17, CSS10, CHW17b, CMS17, CYVK15, CDB13, CK07, EOVO5, HMM+13, KK02b, KLL+16, LZ04, PELY13, RSG17, WPT17, YS16].

Heuristic [GG18, HR96, MZW09, JP93]. Hexagonal [WL11, ZF09]. Hexahedral [RW01, SJR09]. Heyman [DS96]. Hidden [TB02]. Hiding [GAMV13]. Hierarchic [AA00]. Hierarchical [BG14, Bör09, BIA05, BF07, DKXS18, Ett16, FHI+18, Fra98, GRS+15, GKD98, GMPZ06, HS06c, HLR18, ILW17, JTTZ08, LO11, MDC08, OS14, Ong97, OV17, PCD17, RW07, SLO13, VW98, Ain96]. Hierarchically [Nov15, WLX+13]. Hierarchy [FR15]. High [ACVZ12, Abg09, ADR14, Ain14, AHT12, ADGM98, ABIGG16, ADK+18, ANP00, BB17, BT06, BAF00, BM08, BBH’16, BM05, BPR99, BBD16, BZ15, BLR14, BER17, BV16, BTT13, BP06, BTW08, CL11, CL18b, CSS03b, CS18a, CW18, CGV18, CMM00, CDF18b, CMO10, CDF18b, CMO10, CFJT18, CK94, DW97a, DW98, DHR09, DKR12, Dor10, DS16, DMD+12, DKM14b, EIL’09, FHFR13, For06, FM07, GH07, GH15b, GM17, GM14a, GM15b, GM16b, GLW18, GM04, GN07, HHT03, HLD12, HJ18a, HJ07, HBL05, HRT13, Hen06, HV07, ISG15, Jam98, JK07, JK11, JW13, JZ11, Z00, NK18, K09a, KK98, KL05, KPL13, KV05, K02b, KW16, KS14, Kup98, LD12, LO11, LAG14, LS95, LFB13, LOL13, LL00, LG09, LLLX16, LT00].

High [LSZ11, LSM93, LX16b, LNA+11, LX16c, MXB15, MXY16, Mat18, MC10, MRS14, MDC08, NHS13, NX12, NJ14, NH12, NS06, NKM10, ODN17, Ols07, OR18, PT99, PL06, PVK16, PDA09, PDSF12, PPB13, PJ96, QS18, Q508b, RKLN07, RW07, RMB00, RMC12, Ros05a, Ros06b, Say15, SLvdGK14, SKWK18, SY10b, SY12, Sma04, SD10, SC98, Ste16, Str99, SJD14, TW05, TM14, TPB17, VB07, Vi15, WS05, WMC12, WBTG18, WSK99, Wen08, Wen10, Win06, WRS17, WSX17, XB16, XQX15, XH05, YCS16, ZNZ16, ZSO3, ZLS12, ZSB16, Zha18b, ZF14, ZLTA15, ZLJ96, Zin00, bZOW07, vdHCCD15, BSMM16, BY13].

High-Accuracy [Dor10, JZ00, ZLJ96, Zin00]. High-Dimensional [BTGW08, CL18b, GH14, GC16b, HJ07, JK07, KK18, MXYB16, NJ14, PVK16, RW07, SY10b, SY12, Sma04, Ste16, WS05, bZOW07, vdHCCD15]. High-Fidelity [NKM10]. High-Field [GV16].

High-Frequency [BER17, KK02b, ZNZ16]. High-Level [FHFR13]. High-Order [AD14, AHT12, ADGM98, ABIGG16, ADK+18, BT06, BPR99, BBD16, BZ15, BLR14, BTT13, CS18a, CW18, CGV18, CMM00, CDF18b, CMO10, CFJT18, DW97a, DW98, DKR12, DKM14b, GH07, GM17, GM14a, GM15b, GN07, HHT03, HRT13, Hen06, ISG15, JLZ17, KP09a, KL05, KPL13, KW16, LO11, LL00, MC10, NS06, ODN17, Ols07, OR18, PDA09, PJ96, QS18, RKLN07, RMC12, Ros05a, Say15, SC98, Str99, SJD14, TM14, TPB17, VB07, WMC12, WSK99, XH05, ZSO3, ZF14, CSS93b, LSM93].

High-Performance [BB17, Mat18, PPB13, WRS17]. High-Resolution [BAFF00, CSS03, FM07, HBL05, Kup98, LD12, LFB13, LOL13, LT00, PL06, Ros06b, BSMM16].

high-Reynolds [BY13]. Higher [AABM13, AL97, BCR11, BM11, CG07, DFS17, DS14, DGP18, DS97, GMvdV18, ILK05, Kye12, LE10, Lin06, LD04, PWF18, Pen93, PRM97, RRR05, VVM12, WGT14, XH15, YSS07, Zha18a, dVM08, ZMC94].

Higher-Dimensional [DFS17, LD04]. Higher-Index [AL97, PRM97]. Higher-Order [AABM13, BCR11, DGP18, GMvdV18, ILK05, Kye12, PWF18, VVM12,
YSS07, dVM08, Pem93, Zha18a, ZMC94].

Highly
[AKT16, BMP14, BHT00, CSS09, GH99, HA01, HW14a, HML+13, Ket08, KC16, KR12h, OGO16, RSG17, Sch98, VIl14, YP98].

Hilbert [ZK14c, AE95, TY08].

Hilliard [GHMY18, KW07, BS15b].

Histograms [CSB+18].

Historical [CRS+18].

HITS [FLM+05].

HLLC [BCLC97, Gur04, Pel18].

HLLC-Type [Gur04].

Hodge [GH13].

Hodgkin [BN13].

Hole [Pet99b].

Hole-Cutting [Pet99b].

Holm [LX16a].

Holonomic [KM11].

Homoclinic [LMR97, LCH99].

Homogeneous [YZ07, YZ08, GM17].

Homogenization [AB17, CC16, Kna98].

Homology [PSKG13].

Homotopy [LZ99a, Oet99, ZLGC15, LL93].

Hopf [EMSW12, GM96, MCJN94, WAS94].

Hopfield [Wan07a].

Hopping [CL18b].

Horn [SWB16].

Householder [DHHR09, MOHvdG17].

hp-Adaptive [HS01a].

hp [HS01a].

HSS-Structured [GLR+16].

Huber [HW99, RSNNR17].

Hughes [GM13].

Hull [AP01, Gre03].

Human [Wi08].

Hunter [XS08].

Hutchinson [Che16].

Huxley [BN13].

Huxley-like [BN13].

Hybrid [AG18, Alp99, BB13, BC06, BCSS14, BBD18, CP13, CDF18b, CLL13, CP15b, CS17, CTD16, CGDD11, DW98, DP10, DGL16W, FR15, FS12, GJLX16, GH07, GRS+15, Gon15, GKK10, HEHG14, JW10, JP14, Kar96, KK02a, KS11b, Kof04, LW12a, MRT00, PEd12, RT10, RVA17, ST17a, TTS08, VTD12, WD3+18, WKK13, WS15, ZH09, vHCDD15, FS13].

Hybridizable [CDG+09, CS16].

Hydraulic [SBK13].

Hydro [LXK08].

Hydro-Elasto-Plastic [LXK08].

Hydrodynamic [CYZ17, GZYW18, GZW18, HNS08, LXL11, OB08, ZYLW16].

Hydrodynamical [ANP00, BI09].

Hydrodynamics [AT17, ADK+18, DW97b, DKR12, Gon15, WSA16, WT16].

Hydrogen [VS17].

Hydrostatic [ABB+04, BSA13].

Hyperbolic [AM18, AH09, AD06, AGH00, BLH02, BF16, BBSW94, BPR99, Bjo95, BR09, BPR13, Bur14, CPPR12, CCER12, CD18a, CLL13, CK94, DM13a, DMMO04, DH95, DRFP07, DGLW16, DS16, DBSR17, DB07, FS05, GvdV17, GB12, GSW17, GS00, GPSY17, GW00, HH02, HL09, HK17, Hol99, HS01a, IT09a, JT98, JW05, KPL13, KN01, KPP07, KPW17, LPR02, LLLX16, LSZ17, LMMW04, Mar94, Nor07, RSW10, Rim18, RSA05, SL11, ST17a, Ser06, SM01, SJD14, TW12, Tor12, TW95, Van95, Vii09, WC03, WD3+18, ZQ17, dLRT09, Pem93, LD16].

Hyperbolic-Elliptic [CCER12].

Hyperbolic-Parabolic [AH09].

Hyperbolic-Type [GW00].

Hyperbolization [TM14].

Hypercube [BME93, BEM94, CG93].

Hyperelastic [BMR13, SSJB17].

Hypergraph [AKA13b, ĆAK11, CCQ16, CQZ17, GBDD10].

Hypergraph-Based [GBDD10].

Hypergraphs [KPCJA2].

Hypernetted [BPB07].

Hyperrectangles [Say15].

Hypersingular [Car07, CP07, GKK04b, HS99a, ST08].

Hyperspectral [BNP15, SKMF15].

Hyperspheres [TGC94].

Hypersurfaces [PP97].

Hypre [KAL007].

I/O [AGL10].

I/R [MIS03].

IC [BT00b].

Ice [ALMR17, BSA13, ISG15, PMSG14, TPT+16].

Icosahedral [WL11].

Icosahedral-Hexagonal [WL11].

Ideal [CLTX15, CFJT18, DW97a, Gur04, HRT13, MRS18, WS18, YHS07, ZMC94].

Identification [AHDK14, ABP18, BU15, BCR12, CT03, KG0+08, KG0+11, KZ00, KG18, LS16a, PDSF12].

Identifying [AD15, EMSW12].

IDR [SS10b, SVG08, Son12].

IEEE [MRV06].
IEEE-754 [MRV06]. Igatools [PMCA15]. Ignition [BK00b]. iHDG [MTBT17]. II [ABBM98b, AHT12, ADH99, ACD\textsuperscript{+08b}, BT06, BG05b, BM14, Bur14, CM98b, CW14, CHL16b, DB94, DF99, FGMP14b, GS02a, GHR13, GM96, Hes97, KGGS10, LP08, Log03b, MMMY96, NN17, Nat97, Pem93, PMSG14, ROO08b, She95, SY12, SM07, VW98, WTW17, YZ08, ZLBC03]. II [CPV95, SVX15]. III [ABH03, GS02b, Hes97, She98]. III [BS07, Bur13, CH17, CCS98, HR96, KO99, Lan10, LM17, NM13, PS01, Reg96, RS02, SBC93, TO15, VW94, Di 95, HO93].

Ill-Conditioned [BS07, CH17, CCS98, PS01, Di 95].

Ill-conditioning [SBC93].

Ill-Posed [Bur13, Bur14, CH17, CCS98, HR96, KO99, Lan10, LM17, NM13, PS01, Reg96, RS02, SBC93, TO15, VW94, Di 95, HO93].

ILU [Bol03, CPV95, CMV97, Gup17, HS06c, INS05, JFG10, KOV15, MW13, Saa96, SZ99, Saa03, Saa05]. ILU0 [GM15a]. ILUM [Saa96]. ILUs [BS05f]. ILUTP [May05].

Image [Ami94, BV03, Bar12a, BDE08, BDR18, BMR13, BNSF13, CDBH16, CGM99, CMM00, CCS03, CC03, CC11, CJK10, CMS06, DECO5, DGP10, DMN08, FNNB05, FN06, GY05, GMS02, GLN09, HM05, HMM07, HMM08, HW01, HW03, Hen05a, HLMR96, HS06b, HDB08, HMDMC18, KY03, KRDL18, KHKL16, LFB13, LRT11, MR17, MB17, NWWY10, NWWY11, NP14, NN05, NNT13, WBFA09, WNC08, ZWZ13].

Image-to-mesh [CC11]. Images [BBSW16, BNP15, CCS08, CC10, GHS\textsuperscript{+09}, HLZ13, Mit08, NO98, YZY09, Gu93].

Imaging [AILP07, AKLP10, CN13, FHR14, JBL18, MSL13, XK08, dSK11].

Imbedding [PV94, PV95]. IMEX [BR09, BBM\textsuperscript{+15}, BMV13, WdZSvB18].

IMF [VM13]. Immersed [AL02, AC04, AC05, BMD016, CB17, DK03, FGMP13, FGMP14b, FK00b, GY06, Giv12, JP01, KP06a, KLJ10, LHL12, LL07, LL03a, LP04, MR18, TLLK09, TP09, VP10, WFAP15, WX05, FGMP14a]. Impact [Kaw15, SCS04]. Impedance [BCH12, HHMS15, KH00, vdDA12].

imperfect [LP06]. Implementation [ABH03, AH06, AW11, BMP14, BP97b, BBC\textsuperscript{+01}, BG12, BO2, CVW06, Dhm97, DG99, DSYG18, FN94, GCB15, GLR\textsuperscript{+16}, GMT98, HS05b, HKR16, HDW02, HS17, HMR09, HC98, KR06, L09a, LT14, MCT\textsuperscript{+05}, MLL13, McL07, NRS18, SC10, ST00, VW98, WL13, XH15, ZK96, FGN93, Göt94, Heg95, Log03b, Smi93].

Implementations [BDM\textsuperscript{+18}, GKNW18, Ket08].

Implementing [LST07, LZ99b, YYWY18]. Implicit [ALJ99, AAI98, AH00, ACF09, BF06, BZ15, BPR13, BMR15, BQR18, BW01, BHK12, CB98, CZKZ16, CCM08, Che16, CCG14b, CS10b, CMSS06, DW98, DLM16, DMD\textsuperscript{+12}, DB07, Ewa97, EF05, GH18, GRL10, GKC13, GX16b, HC05, HMR09, HYC15, JLP18, JR06, JR98, KSMM18, KW15, LL02, LM05b, MR09, MNS07, MO10, NRRW09, NKM10, ODN17, OS98, PP05, QS18, RMC12, RG09, Sen10, Ska00, TKCC13, VV05, VD10, VSO4, WSA16, YCC10, YC14, ZTBK18, ZSB16, ZSO2, dLRT09, BCT05, GC16a, KS13, Lam97, Lie93, TV93, vd97].

Implicit-Explicit [AAI98, BPR13, BQR18, CZZK16, CS10b, DW98, GKC13, JLP18, ODN17, VSO4, ZSB16]. Implicit-Modal [KSMM18]. Implicit-Solvent [WSA16]. Implicit/Explicit [DMD\textsuperscript{+12}]. Implicitly [BCR03, BR05a, DPF15, JN10, LVWW03, PHA18, Say15, ST16b, SSW09].

Importance [EBSS\textsuperscript{+11}, Kaw17, Kaw18, Kol99, MDG\textsuperscript{+18}, QDKW18, ZW14].

Imposed [Vil09]. Improve [DJ07].

Improved [ACdS\textsuperscript{+11}, AMH12, ALRT17, AL07, BGH\textsuperscript{+03}, DM16, DDF00, DG16, HL95,
ILW17, KLZ+06, KP07, LR99, LN04, MH17, MS07d, MC10, NK15, NX12, NX13, OST11, PBWB14, PRM09, PJ96, SV13, SBK18, TGC94, VMIM13, Vas10, WCSS0, WB00, WTG12, We17, WRS08, XH15, XZ10, XZ14, ZN16, ZCK12, ZZ16, vHBTC12, AE95, Anj93. **Interpolations** [RLK107].

**Interpolative** [LY17].

**Interpolatory** [BBBG11, GSW13, dSGK15].

**Interpretation** [BGMW17].

**Interpreting** [SS10b].

**Interrupts** [LNP15].

**Intersection** [SV08b].

**Interval** [BDMFSL04, CGS02, GCB04, Kea97, McL12, SV03, Yun03, Jam96].

**Interweaving** [MSB+15].

**Introduction** [Elm98].

**Intrusive** [GLL+14, GLMN15].

**Invariance** [BB05].

**Invariant** [BP12, BDF08, BV16, BDE08, BBK06, Chr09, DLY16, DDF00, DB94, EL01, El03, FD03, GPSY17, HKM97, LLD99, LSU11, LX16a, VP11, YY18].

**Invariants** [CHAMR06, SBS98].

**Invasion** [WP98].

**Inverse** [AB08a, AMH12, APSG14, APSG16, AS18, AVBTG17, AA13, ADL+12, AHDK14, BC$07$, Ban08a, BL03a, BSHL14, BC06, BK08, BM196, BT98, BT00a, BCT00, BFF16, Bo103, BS05f, BT01, BGR16, BDR18, BB08, BTGH12, BTGMS13, BGMW17, BJW18b, BJW18a, BH14b, CDG505, CBG12, CS98, Cho00, CDY07, CN10, CCO11, CEO11, CS17, CGM00b, CHM02, CPD17, DZ13, EWS12, FWA+11, GSO17, GNL14, GY02, GS98b, GHR12, GHR13, GMS18, HC05, HCR13, HP94, Hs94, JFG15, JKM14, LZ08, LM14a, LZ17b, LW94, LNOC05, MWBG12, MZ94, NP10, NRS18, OGO16, PVV11, PMSG14, RKvdDA14, RICC18, SSW18, SSC+15, SCW+17, SLO13, TS11, TBF14, TTY16, WZ03, WBS+17, WBTG18, XYGO01, XKO8, YG15, YBHY15, ZN16, ZGA10, CS97, Nag93, Tre97, MG09].

**Inverse-Based** [BS05f].

**Inverses** [BT99, BGMR01, GH97, HWS05, KRT16].

**Inversion** [ASS16, BTGMS13, CCC17, CG17, CMG05, GST12, HFL+16, LYL+11, Lut15, MWBG12, MBVO13, OD12, PDC99, QSVdG01, RT10, TH17, YBM+18, dSGK+15, vLH14].

**Invert** [LPS10].

**Inverting** [GGM01, GMV99, Wei99].

**Investigate** [vD03].

**Investigation** [Lan10, PBJ+96].

**Investigations** [LL00].

**Inviscid** [ABC00, FL02, I99, LH00, PM15].

**Involving** [AOR18, CG18, FF05, KP09a, PDA09, RKvdDA14, SSW18].

**Ion** [GST+99].

**Ionic** [XJS13].

**Ions** [GJLX16].

**iPSC** [Rot96].

**iPS C** [Rot96].

**Irregular** [BOPGF06, ILK05, JZ13, KK98, SKF18, SV03, WL04].

**Irregularly** [Har11, PYSG13].

**Isaacs** [BHT11, HW13].

**Isentropic** [Egg18].

**Island** [ABM+13, LL11].

**Islands** [BM95b].

**Iso** [YZ08, YZ07].

**Iso-Homogeneous** [Y07].

**Isogeometric** [BPS+14a, CDPC13, HLT16, PMCA15, ST16a, dVPS+17].

**Isometry** [BBK06].

**Isometry-Invariant** [BBK06].

**Isoperimetric** [GS05].

**Isosurfaces** [Wal13].

**Isotropic** [CMM+07, GLQ16, JLY08, KR14, MMM+94, PAG11, SCC17, MMM+95, MMY96].

**Issue** [Elm98, Elm00, GW04a, JKR08, Tun10, Vas07].

**Issues** [DG98, FFMT96, HR05, Wan07a].

**Itô** [BRW10, GS14].

**Iterants** [BM95b].

**Iterated** [B08b].

**Iteration** [AMM+10, AEFM17, AFK15, AP99, BBGS13, Boge14, BGH13, CGL+13, DH95, DEC05, DJL96, EEO01, EMSW12, EN08, GGGL10, GW98, GY99, Gu15, GD07, HHLW15, JKM14, LM15, LY13, LR98, SQQ02, TY00, Ver96, WMUZ13, YBHY15, YP98, vNLR04, Atk94, CP93, LZ94, TT96b, Ver94, vd97].

**Iteration-Free** [Bog14].

**Iterations** [BDE08, CS98, Fer98, GPP95, KMT98, OS98, PL03, ES96, NP96].

**Iterative** [BHN07, BGL08, BG10, BCC+15, BGS17, BER17, BC99, BMMT14, BC08, BC09b].
BNFS13, CJH11, CH17, CH18, CMK11, CJN13, CN10, CS17, CDPC13, CRV13, DW97b, DW98, Dax03, DS00, Den97b, DJ07, Elm98, Elm00, GrM10, GS97, GP96, HHRV93, Hag00, HW01, HS99b, HD15, HK95, JW08, JSV10, KR12a, KM98, LVWW03, LK93, LCBD07, LCN14, LLX15, LC98, LCJ96, LGH13, MS07c, MKSG10, MK00, MS06b, MPW18, MS14, MG12, MCJN94, MDG18, MTBT17, NKLW94, Nat98, NAC+15, NFFP18, PNW16, PS13, PW98, PRR05, PF94, PR06, RW11, RH09, RV10, Rüd94, SS99b, ST17b, SV10, TET12, UA07, UEE12, Vas07, VW94.

Iterative [VO96, WPL13, WX99, WNC08, WC17, Yan94, ZW94, vdVY00, Bia94, CN93, DS96, Lie93, MMPR93, PCDB96, Smi93]. Iteratively [BM01b, Lan10, RVA17]. IV [She99, ZLBC03]. IV/MD [ZLBC03]. IVP [vd97].

J [BEM94]. Jacobi [BHT11, CCFP12, CCF14, HW13, KK18, Abg09, AH04, BFS16, BL03c, CC16, CFR05, Drm97, FSvdV98b, Göt94, GI99, HT13a, HL10, Hoc01, HS99c, HX15, HHLW15, JP00, KNP01, LNSZ06, LT00, LPS13, MN07, MK00, NvdP00, Nov15, RO18, RZTK+15, SB98, TW05, YDF97, ZS03].


Kaczmarz [BW18, DHN17, HNR17]. Kadomtsev [KR11]. Kalman [KK16, LTT16, LM14b, NSR18]. Kansa [KCL16]. Kantorovich [DF10]. Karhunen [CML+18a, SA97, SAY03]. Kármán [CC97, CM00a, DP03]. Kernel [AGI10, BzS11, CP03a, Che13, CWA14, CL18c, GLS13, GJZ18, IL17, KS18, MXB15, MXYB16, MR07, NH18, Nas09, RLC08, SRS12, TY08, XKW08].

Kernel-Based [AGI10, BzS11, CL18c, GLS13, IL17].

Kernel-Independent [MXB15, MR07]. Kernels [ABP18, BV98, EY07, GH17, GR02, GP18, LC14, Pla15, PS01, WMSG09, DR93a, Goe97]. Kind [CP03a, CP05, NKLW94, ZCP06, ABCR93, At94]. Kinds [ZFZ14]. Kinematic [BMV13, PDC99]. Kinetic [BK18, CL18a, CHL16a, CHL16b, DP10, FY14, FR15, GV16, GKR16, GC16b, Jin99, Kla98a, Kla99, LS12a, LS13a, LM08, LM12, LXL11, WMC11, Xu99, YJ13, YHS07, BPR13].

Kinetical [Dor98]. Kinetical-Consistent [Dor98].

Kernels [ABP18, BV98, EY07, GH17, GR02, GP18, LC14, Pla15, PS01, WMSG09, DR93a, Goe97]. Kind [CP03a, CP05, NKLW94, ZCP06, ABCR93, At94]. Kinds [ZFZ14]. Kinematic [BMV13, PDC99]. Kinetic [BK18, CL18a, CHL16a, CHL16b, DP10, FY14, FR15, GV16, GKR16, GC16b, Jin99, Kla98a, Kla99, LS12a, LS13a, LM08, LM12, LXL11, WMC11, Xu99, YJ13, YHS07, BPR13].

Kinetical [Dor98]. Kinetical-Consistent [Dor98].

Kernels [ABP18, BV98, EY07, GH17, GR02, GP18, LC14, Pla15, PS01, WMSG09, DR93a, Goe97]. Kind [CP03a, CP05, NKLW94, ZCP06, ABCR93, At94]. Kinds [ZFZ14]. Kinematic [BMV13, PDC99]. Kinetic [BK18, CL18a, CHL16a, CHL16b, DP10, FY14, FR15, GV16, GKR16, GC16b, Jin99, Kla98a, Kla99, LS12a, LS13a, LM08, LM12, LXL11, WMC11, Xu99, YJ13, YHS07, BPR13].


Justification [Li03].
Wei94, ZYSL15, vdVY00]. **Kullback** [PSSW15]. **Kuramoto** [APS12]. **Kutta** [CSS93b, Cas05, VS04, Zbi11, AGC96, AM17, AGH00, BM17b, BR09, BBM+15, BRW10, CHAMR06, CGAD95, EM96, GMM15, HMR09, Jay98, Ket08, KCB17, MNS07, McL07, MRS14, OS98, PT99, PPR05, PKD13, Pat97, Q50a, QS05b, RM08b, SS93a, TVA02, TLT12, TP99, VV05]. **Kutta-Based** [GMM15]. **Kutta-type** [AM17]. **Kuramoto** [APS12]. **Kutta** [CSS93b, Cas05, VS04, Zbi11, AGC96, AM17, AGH00, BM17b, BR09, BBM+15, BRW10, CHAMR06, CGAD95, EM96, GMM15, HMR09, Jay98, Ket08, KCB17, MNS07, McL07, MRS14, OS98, PT99, PPR05, PKD13, Pat97, Q50a, QS05b, RM08b, SS93a, TVA02, TLT12, TP99, VV05]. **Kutta-Based** [GMM15]. **Kutta-type** [AM17].

**Label** [SMR16]. **Lack** [BCCI98]. **Lag** [PT09]. **Lagrange** [PBC05, BB15a, BS15a, BLS14, BG05a, BG05b, CC12a, GL01, IT09b, KL15, KMW99, KW00, LNS15, YHC16]. **Lagrangian** [PBC05, BB15a, BS15a, BLS14, BG05a, BG05b, CC12a, GL01, IT09b, KL15, KMW99, KW00, LNS15, YHC16]. **Laminated** [Li03]. **LAMMP**S [WS14A]. **Lanczos** [ARMNW10, ADRS95, BCR03, BR05a, BF01, CKD13, DGK98, fRS12, FGN93, GH15a, GJ17, GT94, JN10, LSV16, MS93b, MN11, Ng00, RG98, SZ00, Ste02, YC99, ZS18, vdEH05]. **Lanczos-Based** [CKD13]. **Lanczos-Type** [RG98]. **Landau** [KK08]. **Landau** [AB16a, AKH+17, BBP13, DJT08, GS16, LM05b, Nu97, MDC98, NR98]. **Landweber** [BDE08]. **Langevin** [AWA+18, KM11]. **LAPACK** [AMT10, DMPV08]. **Laplace** [BS94, Bar14, BWV15, BSS17, CK03, Che13, ED95, Nak98, OK13, Pet01, WLZ18, Wei99, YCZ13]. **Laplacian** [AN17, AG18, AO17, BLV17, Bi00, CQZ17, CS16, GGM01, LB12, NN17, XEG06, vG07]. **Laplacians** [SXK17]. **Large** [AVBTG17, AL07, BCR03, BS05a, BW18, BST08, Ban08a, BS05b, BOR97, BSSW13, BT03c, BHT09, BPSV15, BDF08, BTY08, BS99b, BCL99, BTW08, BTGH12, CFR05, CDGS05, CGK13, CCQ16, CN10, CP15b, CS17, CG17, CSW10, CFM98, DDMQ18, DS00, DD00, DT08, DL05, DKZ09, EAS08, EPE05, FWA+11, FSvdV08a, FB95, FGH+08, GLSTV16, Gug16, HM11]. **Large-Eddy** [BST08, EAS08]. **Large-Particle** [SC02]. **Large-Scale** [AVBTG17, BCR03, BS05a, BSSW13, BHT09, BTY08, BSSW13, BTGH12, CN10, CP15b, CS17, CSW10, DDMQ18, FWA+11, FB95, HMAS17, HPS08, HLS98, Huf04, HL17, JN10, JZ13, KV13, Kus97, Lab05, LM00, LAG14, LT09, LW10, LZ13b, LXtH16, MWBG12, MS04, MW01, NNRW09, NvdP00, OKF14, PS18, Pen00, RS02, RMD08, RM08a, Ros15, Ruh89, SB06, SWW08, SBW16, ST17a, SM07, SC02, SV08, SX15, Tor12, TS14, WPL+13, WM05, WT01, WS15, WRS17, Xia13, Xue18, YPN+01, YGB+05, YMM14, ZYSL15, ZCC+16, AMB+04, BHP94, Dax93, DLG97, JS93, ST94]. **Latent** [TW93]. **Latency** [CBK18]. **Laser** [CBK18]. **Latency** [GMV13]. **Lattices** [BS08, BYK05, CKN06, DS09, Dl4, FKK+14, HHS011, HLL00, HYC15, HYC16, JK00, LL03b, Rei18, SR16, SBX+08, WS06, Wan07b, Elt96]. **Lattices** [LSO13]. **Launch** [EHW00]. **Law** [AGH00, CHR02, FMR06, GGK+04a, TW17]. **Lawrence** [DG99]. **Laws**
[AB02, AD06, BLMR02, BF16, BBSW94, BPR99, CGV18, CW13, CW14, CW16c, CLL13, yCWHJ12, CK94, DGLW16, DS16, DBSR17, DB07, GR05a, GB12, GMS02, HH02, HBL05, JT98, JSZ13, KL00a, KNP01, KPP07, KPW17, LPR00, LPR02, LLLX16, LD16, LN03, Mar94, NMAB11, PPR05, QS18, QS08b, SL11, ST17a, SMR01, SJD14, TW12, Tor12, TLE12, TW95, WDG18, YHQ12, ZQ17, dLRT09, BH97, Pem93].

Lax [JSZ13, Kol99, LD16, MR01, QS03].

Layer [AK09, AH09, ADM+15, Bar14, BWV15, BHNPR07, BS06b, CM98c, FV06, Far01, KP09b, LG09, TT96a, WK18, aKT18].

Layered [CCC18, DG99].

Layers [BK18, Dur16, Gar94, LM12, LS12b, RH06, TW96].

Leading [Che05].

Leaf [KTB14].

Lean [LB12].

Leapfrog [Tie18].

Learning [BGM09, BCP15, De12b, GHK14, WRB+15, dBMZ11].

Least [AMMR10, AMM+10, AMM+11, ABM+13, AV14, ALMR17, AD15, AMT10, BLH02, BGM13, BT03c, BS99b, BW96, BKMM10, BLM03, BMMT14, CLMM00a, CLMM00b, CPV95, Car10, CAS11, CP17, DMMO04, DMMO05, DG98, EHS+05, FMM98, FGH097, FS11, FNB06, GW17, GI17, GKK15, GNYZ18, HLM06, HLM+09, Hok17, HY10, HY14, HJLZ18, KR18, KMS15, LSH17, LMRMO0, LFB13, Lee14, LM15, LMM17, LRS02, LD11, MWW17, NP14, NP17, PE00, PP97, PB+tB+15, QQOPP99, RDB16, ST16b, ST17b, Sco17, SX16b, Sta00, Str93, TZ14, TBO10, Wat98, WPT17, X516, You94, YYWY18, ZCC+16, ZWZ+13, ZNX14, ten95, BR95, Dax93, NP96].

Least-Degree [NP17].

Least-Squares [AMM+11, AV14, ALMR17, AD15, AMT10, BGM13, BKM10, BLM03, CPV95, CP17, DMMO04, DMMO05, DG98, FS11, GNYZ18, HLM06, HLM+09, HY10, HY14, KMS15, LMMR00, Lee14, PB+tB+15, ST17b, Sco17, Sta00, TZ14, WPT17, X516, ZNX14].

Least-Squares-Based [MWW17].

Legendre [BK00a, BMF12, Bog14, EJJ08, HT13a, HT14a, HT14b, IBM01, JM18, Sh+94, Swa02].

Leibler [PSSW15].

Least-Squares [AMM+11, AV14, ALMR17, AD15, AMT10, BGM13, BKM10, BLM03, CPV95, CP17, DMMO04, DMMO05, DG98, FS11, GNYZ18, HLM06, HLM+09, HY10, HY14, KMS15, LMMR00, Lee14, PB+tB+15, ST17b, Sco17, Sta00, TZ14, WPT17, X516, ZNX14].

Least-Squares-Based [MWW17].

Leibler [PSSW15].

Legendre [BK00a, BMF12, Bog14, EJJ08, HT13a, HT14a, HT14b, IBM01, JM18, Sh+94, Swa02].

Leibler [PSSW15].

Least-Squares [AMM+11, AV14, ALMR17, AD15, AMT10, BGM13, BKM10, BLM03, CPV95, CP17, DMMO04, DMMO05, DG98, FS11, GNYZ18, HLM06, HLM+09, HY10, HY14, KMS15, LMMR00, Lee14, PB+tB+15, ST17b, Sco17, Sta00, TZ14, WPT17, X516, ZNX14].

Least-Squares-Based [MWW17].

Legendre [BK00a, BMF12, Bog14, EJJ08, HT13a, HT14a, HT14b, IBM01, JM18, Sh+94, Swa02].

Least-Squares [AMM+11, AV14, ALMR17, AD15, AMT10, BGM13, BKM10, BLM03, CPV95, CP17, DMMO04, DMMO05, DG98, FS11, GNYZ18, HLM06, HLM+09, HY10, HY14, KMS15, LMMR00, Lee14, PB+tB+15, ST17b, Sco17, Sta00, TZ14, WPT17, X516, ZNX14].

Least-Squares-Based [MWW17].

Legendre [BK00a, BMF12, Bog14, EJJ08, HT13a, HT14a, HT14b, IBM01, JM18, Sh+94, Swa02].

Least-Squares [AMM+11, AV14, ALMR17, AD15, AMT10, BGM13, BKM10, BLM03, CPV95, CP17, DMMO04, DMMO05, DG98, FS11, GNYZ18, HLM06, HLM+09, HY10, HY14, KMS15, LMMR00, Lee14, PB+tB+15, ST17b, Sco17, Sta00, TZ14, WPT17, X516, ZNX14].

Least-Squares-Based [MWW17].

Legendre [BK00a, BMF12, Bog14, EJJ08, HT13a, HT14a, HT14b, IBM01, JM18, Sh+94, Swa02].

Least-Squares [AMM+11, AV14, ALMR17, AD15, AMT10, BGM13, BKM10, BLM03, CPV95, CP17, DMMO04, DMMO05, DG98, FS11, GNYZ18, HLM06, HLM+09, HY10, HY14, KMS15, LMMR00, Lee14, PB+tB+15, ST17b, Sco17, Sta00, TZ14, WPT17, X516, ZNX14].

Least-Squares-Based [MWW17].
50

[SV08b]. Linear
[ARMNW10, AB08a, APSG14, AS18, ABST13, AHIT12, AF11, ABE+17, ABCP08, ACD95, AD15, AKM+13, BLYG05, BW18, BS95, BDJ05, BCC98, BVG15, BDdSM11, BL04b, BM95a, BT98, BBKT15, BM01b, BHK14, BCC16, BW96, Bres99, BC99, BCM03, BM1T14, BC08, BC09b, BK11, BEPW98, CS99, CLMM00a, CLMM00b, CPW15, CGL+13, CB98, CGG07, CJ1H11, CH17, CH18, CNP12, CS96, CN99, Che98, CJGX15, CYZ17, CG10, CLN12, CF05, CHM02, CS10c, CPD17, CFM98, D’A00, FT03, FMR06, FG98, GG13, GHMY18, GvdV17, GNL14, GG03, GZYW18, GB98, GG05, GPA18, GOS03, GW00, HR05, HS06a, Hag00, HCR13, HN06, HZ10, HG12].

Linear
[Hof04, HRS12, HSCTP04, JFG10, JZ13, JP08, Jou94, Kas95, KLR98, KZ00, KM18, KW00, KR06, Kra08, KS16, KMRW97, LM00, LV98, Lee13b, LM08, LM17, LLZ08, LLZ09, LSN17, LW12b, Lzk17, LxH16, LB12, LKB18, LCJ06, LN04, MPS18, MKS10, Mar09, MB02, Meu11, MW13, MN11, MGW00, Nat98, NP08, NMFP16, Ökt05, OD12, PN16, PDH09, PdSM+06, PSB+06, PSA99, PB+96, PMS12, QQQOP99, Rah96, RG07, Roe98, RX18, RTR+16, SZ99, SS99, ST08, SBP04, ST16b, ST17b, Sco17, SX16b, Sma04, Sm97, SvG08, SCS+15, SCW+17, Sta94, SO10, Str93, Sun95, SSB08, SW10b, TT07, Ton94, VBT99, VM13, VK13, WLX+13, WM05, Wl09, WC17, X17, Yn94, ZGA10, ZTBK18, Zha97, ZV05, ZS14, ZYSL15, ZSB16, ZGG17, ZFS15, ZTM+16, Zim14, ZLJ96, Zim00, dSL05].

Linear-Quadratic
[HNT15, Slo02, vdZvBdB10a, vdZvBdB10b].

Linearization
[KT15, Slo02, vdZvBdB10a, vdZvBdB10b].

Linearized
[KT15, Slo02, vdZvBdB10a, vdZvBdB10b].

Linearly
[ATK93b, CV93].

Linear-Quadratic
[Liouville]
[Ded10, HN06, PMSB12, CV93].
[AMH12, AMHR13]. Logarithmic
[AS05, AS06, CP03a, KKT13].
Logarithmic-Kernel [CP03a]. Logically
[CH09a]. Logistic [TTY16]. Lognormal
[RNV17]. Long [FTY15, GASSS98, Gob08, GKRBl6, HS97, Jah04, LLI08, XKWY08].
Long-Term [HS97]. Long-Time
[Gob08, GKRBl6]. Long-Time-Step
[GASSS98, Jah04]. Look [CH09a, FGN93]. look-ahead [FGN93].
Lookup [CWG10]. Loops [AL99b].
Low [AAB+15b, ABLM17, BK16, BKS16a, BT03c, BKS16b, CA16, CW18, CGMR05, CL08, CC18, DM13b, DHHR09, DKXS18, DLV17, DS17, EL18, ERSZ17, Elm99, FWA+11, FM16, GU17, GNL4, dMGF17, GCD18, HGZ17, Ket08, Kir14, KSU14, KSV16, LE17, LS13b, LJ17, NBA+14, PW15, Pel18, Pen00, PCD17, RO15a, RO18, RAT18, SZ00, SSC+15, SB15, VD10, WS05, WLL+15, War13, ZHS10].
Low-Complexity [Kir14].
Low-Dimensional [CL08].
Low-Frequency [ERSZ17]. Low-Order
[CLW18, ZHS10]. Low-Profile [DHHR09].
Low-Rank
[AAB+15b, ABLM17, BK16, BKS16a, CA16, DM13b, DS17, EL18, FWA+11, FM16, GU17, GNL4, dMGF17, HGZ17, KSU14, KSV16, LE17, LS13b, LJ17, NBA+14, PW15, Pel18, Pen00, PCD17, RO15a, RO18, RAT18, SZ00, SSC+15, SB15, VD10, WS05, WLL+15, War13, ZHS10].
Low-Storage [CC18, Ket08, War13]. Lower
[BGS17, Bre00, CXY10, LQX14]. Lowest
[Ain07, BBKT15, DK98, LTW18, MMA98].
Lowest-Order
Lubrication [GB06a]. Lumped
[BCF13, GMvdV18, KLJ10]. Lumping
[Sch13]. Lyapunov [EL01, EMSW12, Kue12, LW16, PS18, Pen00, Sim07, YWL17]. Lyapunov-Type [EL01].
M [AFF+15, BOF16, EZ11]. M-Matrix
[EZ11]. M/EEG [AFF+15]. MAC
[HLW13]. Mach [DLV17, NBA+14, Pel18]. Machines
[BP97b, BGM09, ST94]. Machines
[BDS98, BZ12, BFJ00, GAMV13, TW93]. Macro
[JS10, LLS13, LM08, LM12, PV08]. Macro-Elements [PV08]. Macroscopic
[BK18, Cha07]. Made [GG09]. MADNESS
[HBB+16]. Magma [RWWK14, RWWK15]. Magma/Mantle [RWWK14, RWWK15]. Magnetic
[CPH14, ST03]. Magnetohydrodynamic
[CLTX15, HRT13, NH14, Ros06b, Tor05]. Magnetohydrodynamics
[AMMR10, AMM+10, ABM+13, ABC+16, ALJ99, BT06, CFJT18, DW97a, DW98, Gur04, NvdP00, WS18, ZMC94]. Magnetostatic
[Lab05, PSA99]. Magnetostatics
[WR13, ZRK15]. Management
[LMKG16, PWG16]. Manifold
[BBIW16, MRSS14, Sma01]. Manifold-Valued
[BBIW16]. Manifolds
[BCF01, CEOR18, LL17, LLDF99, LSN11, LLYC17, QZZ14, RO18, DH16, WS95, ZZ04, vVKA11, RST93]. Manipulation
[MBB+16]. Mantle [RWWK14, RWWK15]. Manufacturable
[SSW12]. Many
[AL99b, BBK18, CL18a, GH15b, GKN18, KVM05, OT09, RTR+16, SM07, XCS16, vdDA12, RKvdDA14]. Many-Body
[CL18a, XCS16]. Many-Core
[GNK18, RTR+16]. Many-Particle
[BBK18, GH15b]. Map
[CV16, CRV14, vdZvBdB10a, BG10, CPP+17]. Mapped
[CLW16a, GSW17, LO14, Lem16]. Mapped-Grid [Lem16]. Mapping
[Ama98, BT03b, Ban08b, DP98, DS97, DV98, GH14, HW94, HL95, Nas09, NAS13, Por01, WK18, ZF14, Zha18a, de 99, CDH97, PS93].
Mappings
[AAB+16, And08, DLTZ06, Vas10].
MapReduce [CGHT14, KPP+14].
MapReduce-enabled [CGHT14]. Maps
[BK07, BT04, GKD05, SR97, Wal18]. Matlab/C [Wal18]. Matrices
[AKA13a, AT15, AP04, BDD+97, BN05, BGL06a, BK16, BOR97, Ben01, BHT00, BDvdG05, BC13, BL99, Bör07, Bör09, But13, ÇAK11, Che13, CGMR05, CV98, DL05, DHH10, DP05, Di 97, DW05a, EK10, FS08, GWMG03, Gug16, HMAS17, Han95, HJS99, HK00, HWS05, HLLT97, Ips01, JN10, JP11, KKT13, KKL05, KLST06, KS07, KOV15, KSM14, LLHF13, Lee13a, LSC03, LS13b, LNC05, LYL+11, MO08, Mar16, MV16, Meu01, Mön08, NP10, NL99, Nik00, Nod00b, PKNS14, PCD16, QSQ08a, RT99, Ros15, Saa96, SCTP04, SO18, SSH06, UA04, UA07, VD10, VL10, VK15, Vir07, Wan97, WS15, Xia13, XC13, ZGA10, AMB+94, BW93, CS97, DI 95, FS96, FF94, FGN93, Gut93, Jin95, Lan93, May08, NAG93, NCV06, Tre93, Tre97, BM12]. Matrix
[AKA13b, AA14, AMH11, AMH12, AMHR13, AMHR15, AM18, ADL+12, ACW12, AKM+14a, AD15, AVW13, ABB+16, BCT07, BS16, BDM+18, BGM13, BSS09, BF95, BFK03, BC13, BGH13, Bru15, BG12, CKOR16, CA16, tVCH10, Che16, CIZ16, CL08, CG11, DM16, DKS15, DN97, DHP17, DGB15b, DGV98, DCP11, EZ11, Elb06, BSS+11, FHI+18, FMYT16, FOK00a, FSvdV98b, FS08, GHL15a, GSO17, Gar97, GKM+17, GT94, GG94, GHS+15, GKN18, GCD18, GL10, GG95, Hag02, HW94, HR14, HR16, HK17, Hös94, IL17, IL16, KR17, KT15, KAU18, KL94, KPP+14, KPP+16, San10, SSJB17, WPGR13].
WH09]. Max [GG94, GG95, HSTH18].
Max-Min [GG94, GG95]. Max-Plus [HSTH18].
Maximum [ACW12, AW11, BI09, DGS08, FH06, GY09, IMS96, JX13, JL01, LLLX16, LY14, RGG15, SY18, TV98a, WBTG18, XQX15, ZLS12, Zim13].
Maximization [ZLWZ18].
Maximum-Principle-Preserving [XQX15]. Maximum-Principle-Satisfying [LLLX16, LY14, ZLS12].
Maxwell [APZ13, AHZ17, AA02, BBB14, BGH03, BHST08, BV09, CGG14, CWZ07, CHMR10, DGGG09, DF99, DTYY18, EKSW15, EDGL12, ERSZ17, GMS18, Hen06, HH11, HTB05, HY14, HY16, HHLW15, HHL15, JL05b, JZ00, LHL11, LX16b, McG95, MF94, MS12, MSV00, NHSS13, PS10a, PL12, PSC18, RMR15, RW01, RG15, DF99, DTYY18, SS18, SW18, ZCW10, ZZ18].
Maxwellian [Gos12b].
May [KHU96, RMB00, TW95].
MCMC [Bar12a, FL18, MWBG12, PMSG14].
MCMC-Based [Bar12a]. MD [ZLBC03].
MD-DCT-II [ZLBC03]. MD-DCT-IV [ZLBC03].
MD-DWT [ZLBC03]. Mean [And17, Bru18, CS94, Don06, DLTZ05, DLTZ06, EKSW15, EDGL12, ERSZ17, GMS18, Hen06, HH11, HTB05, HY14, HY16, HHLW15, HHL15, JL05b, JZ00, LHL11, LX16b, McG95, MF94, MS12, MSV00, NHSS13, PS10a, PL12, PSC18, RMR15, RW01, RG15, DF99, DTYY18, SS18, SW18, ZCW10, ZZ18].
Maxwellian [Gos12b].
May [KHU96, RMB00, TW95].
MCMC [Bar12a, FL18, MWBG12, PMSG14].
MD-DCT-II [ZLBC03]. MD-DCT-IV [ZLBC03].
MD-DWT [ZLBC03]. Mean [And17, Bru18, CS94, Don06, GDSL14, Hof05, KS17, KS15b, KKK18, LTT16, MT97b, Ren15, RW06, VP14].
Mean-Field [KS17, LTT16]. Mean-Square [MT97b, RW06]. Means [AAB+15b, ABCP08].
Measure [BGM17, SG04]. Measure-Theoretic [BGMW17]. Measurement [CAB04].
Measurements [GP16, HTH+16, KBV09, MS03, PDTVMO8, RKvdDA14, vdDA12].
Measures [BJW18a, Cao07, LCN14, PSSW15, RGOYO10, WK06]. Measuring [Hua05, Kaw15].
Mechanical [AL99b, CSS10, HW09, RN14].
Mechanics [BTB05, ES17, ES00, GRPG01, Lee13a].
Mechanism [LL02]. Mechanisms [HS16].
Media [AE08, ABBM98a, ABBM98b, BA17, AD18b, BGS09, BCO9b, BEM17, BKB18, CHW17b, CDF18b, CCCC18, CDB13, CCH15, DL17, DLM16, FHR14, GM17, GYZ11, GPJ+14, GY17, GW04b, HY14, HSSZ09, KKO2b, LVWW03, LE10, LOL13, LY08, LLZ15, LZ04, MJR05, PS10a, SIO02, TTM08, WLE+00, WZET13, WPT17, YYS16, ZT17, YGCP96].
Medial [JED10]. Median [CCS97, Str93].
Medical [HHDB08]. Medium [AHR12, CK07, DBC13, LHL11, RG017, SCC17].
Meets [MZWG16]. MEG [HCHS13].
Melnikov [XYZ05]. Melted [AHT17].
Membrane [CS18b, DZ08, RR98].
Memory [AKK14, AAB+16, BBSV10, BDD+97, BT03c, BtVCG+10, BFJ00, BGR16, BLN295, DJ07, GON15, GKK10, GKN18, HKR02, HW02, KRDL18, LM99, LWZ13, LFLS08, MLC12, PF94, PR06, STA07, SM07, Tun96, TII15, TD99, VM05, XXdH+17, ZV05, NP93a]. Memory-Aware [AAB+16]. Memory-Efficient [GKN18, KRDL18]. Merge [Oli01].
Merging [GHS+15, GKN18, Ros97].
MESFET [BI09]. Mesh [AHK+17, AFMP15, AKM+13, ADM+15, BB17, BLH02, BBSV94, Ber98b, BVW03, BHR96, BW09, WG11, BH17, CHR99, CHRO2, CPB13, CHe94, Cwl+14, CC06, CC09, CC12b, yCWHJ12, CLK18, CRR18, DPFI15, DDS16, DLZ205, DLZ206, FK00a, Fr10, FCC10, FP99, GVP06, GT98, GHTW00, GMT98, HMM08, HO15, HR07, HB97, HR99c, Hua05, HA08, IS17, JTZ08, JPK97, KMF1, LMKG16, LPR98, LC05a, LC08, LCL18, MMRN15, MN07, MH17, MCB18, MP08, M07, OBS07, PWF18, PP05, Pol16, RL17, RH06, RW07, SR18, SKF18, SL09a, SRI+18, SMR01, Tra95, WC00, WH15, WCHZ14, XONM10, YH12, ZJC12, ZAD+16, ZSD+10, ZIE12, de99, CC11].
Meshes [AKS05, AD18b, AMP00, BB17, BBD16, BKS13, BH16, Cal95, Ch09a, CDG17, CGZ09, CHW17a, CFJT18, CKRS07, DBSR17, EFH16, FCM12, GW15, GHH07, Gob08, HH16, HG00, ISG15, JV96, JHJ12, KZ16, LNSZ06, L95, LTW18, MLL13, MB13, MT1998, MKRK13, PABG11, ALM12, SB10, SV08a, Sha99, SY08, SYY09, SV03, SC02, Ta15, TAHR17, TPT+16, VBT99, ZS03, ZMS10, ZP18, ZQ18, Ain96]. Meshfree [BM17a, COR13, COS06]. Meshing [BH00a, BL04a, HGPM14]. Meshless [FDS13, Lin16, TPB17]. Mesoscale [BRK16, RG09, YC14]. Message [BS98]. Meta [TCCK18]. Metamaterials [CCC18, HLY13]. Metastable [Kue12]. Method [AB17, ABMR11, AG17a, AG17b, AG18, AD18a, AFF+15, APSG16, ALMR17, AA13, Ama98, ALJ99, AF11, ACCO00, And17, AF15, AHDK14, AP12, ABCP08, AH04, AH06, AW11, AAH12, AHR12, AP99, ACCP13, BA05, BS08, BCR03, BS05a, BGL06a, BW18, BMR10, BLMR02, BT03b, BO07, BSV05, BJ01, BS05c, BS09, BDZ13, BMTZ13, BS18a, BG08, BV03, BG10, BSHL14, BDGK18, BB10, Bar99, Bar05, BOF16, BRT07, BC06, BK08, BG98, BM01a, BEE18, BSS09, BL04b, BMD016, BPT+14, BM95a, BMT96, BCT00, BH12, BP13a, BLS14, BP03a, BM01b, BH14, Bet08, BK04, BL14, BK00a, BF17, Bjo95, BT97, BCSS14, Bla03, BI09, BGL11, BGH+03, BCC16, BU15, BB16, BDBB+11, BCP15, BPR16, BB08b, BB03, BER17, BBMR03, BS06b, BCL99, BIA05, BTT13, Bru18, BOPGF06]. Method [BTGH12, BCM15b, BG13, BG04, BFSN08, CG18, CC16, CW07, CL10, CLW13, CFY18, CL18a, CL18b, CGL+13, CH09a, CKOR16, CB98, CG99, CHR02, CP04, CGL01, CCC17, CV15, CKQ14, CCS07, CCS98, CDH98, CGM99, CP13, CL03, CDF18b, CW07, CCCZ10, CM15, CH15, CJY16, CCC18, CKXZ18, CL18c, CV13, CPS11, Cho01, Ch09a, Cho05, CIL15, CIZ18, CDB13, CK07, CJK10, CBK18, CDG+09, CS16, CGM00b, CHM02, CP95, CBF17, CMSS06, Cor01, CVE13, CH11, CPD17, CDN16, CKRS07, CFM98, DBC13, DY06, DM13a, DLZZ17, DK10, DFG15, DB98, De 12b, Ded10, DJT08, DLY16, DT95, Den97a, DLM16, DT00, DGK+16, Don06, DG16, DHE13, DR13, DZ08, Dun11, DW15b, DS16, DTYY18, DCP11, DGL+12, DGRZ15, DK03, EPR10, EKSW15, Egg18, EAS08, EEO01, EPE05, EKSS16, EVLW17, ES17, EP06, EIL+09].
Method
[BJL98, LXK08, LS09, LX16a, LYLC17, LTV18, LH00, LD05, LFBO08, LN04, LPP09, LD03, LX16b, LX16c, LS00, MR09, MN07, MR04, MRS04, MCT+05, MOSS17, MWBG12, MR07, MW03, MS06a, MR02, MST15, MBVO13, MG12, MO10, MTM08, MZ94, Moo00, MTV16, MS18a, Mu97, MY17, MS09, MSV00, MCV17, NN12, NN17, NAS13, NRMQ13, NT18, NS06, NM13, NMAB11, NvdP00, NNV99, NK10, Ob08, OS15, OX17, OQRY18, OR18, PRS12, PDTVM08, PR09, PS10a, PKD13, PW12, PHJ11, FBWB14, PZZB13, PL12, PN13, Pen60, PP08a, PT01, PvdD12, Pla98, Pol16, PvdVvG17, PS10b, Por01, PD15, Po09, PB16, Pup99, PM15, QL06, QSO5b, QSO8b, RO18, RRR03, RRR05, RG13, RZ03, Rei13, RMC12, Ren15, RU01, RW01, RZTK+15, RV10, Ros06b, RX18]. Method
[RUd94, RO12, RO15b, RS00, RSA05, SB10, SB98, SS98, Sar98, SA99, Sch98, Sch94, SR16, Sch09, Sch13, SL09a, SY18, SM94, SBM07, SG95, Sim07, SS10b, Smi97, SK05, SC02, SSSF16, SMRO1, SAB14, Str00b, SL09b, SO09, TZ95, TKCC13, TKN08, TLLK09, TY00, TTO6, TP09, TBF14, TMA18, TPB17, UWF+15, VP10, VP14, VN03, VM13, VV05, VBT99, VK15, VV16, VSB99, VXCB16, Vog16, WS95, WX99, WLE+00, WLK06, WX09, WMC11, WXY11, WB12, WXY12, WHCX13, WZ14, WDG+18, WBTG18, War13, Wei99, WWH17, WPT17, Whi15, WKM+07, WY13, WGF08, WS15, WFAP15, WSX17, WS18, XEG06, XA99, Xie05, XKWY08, XXdH+17, XQX15, XCS16, Xu94, Xn04, XW05, XS08, XOMN10, Xue18, YCZ13, YDF97, YGB+05, YHQ12, Yan14, Yan18, YZ05, YD06, Yiu95, YYWY18, YK03, ZK14b]. Method [ZK15, ZMK17, ZLG98, ZN05, ZCK12, ZJC12, ZRTK12, ZWH+14, ZF14, ZJX14, ZTRK14, ZYSL15, ZDZ16, Zha18b, ZS18, ZCP06, ZWZ+13, ZP18, ZLTA15, ZK96, ZFHS15, dVM08, iW11, vNLB04, vWBV09, ABS96, ABCM97, AM95, ADRS95, BS94, Bse93, Cai93, CW93, CPS94, DS96, EW96, FCR93, HG96, Hes97, HL97, Lam97, Li94, LCW95, Liu93, PCDB96, She94, She95, SS95, SS93c, ST96, Tan93, TV93, Vay93, ZMC94, CD13]. Methodologies [IHTR12, KB08]. Methodology [BC09a, CRS+18, TCC18].

Methods
[AE08, ABMM98a, ARMN10, AC08, ACV12, AV12, AG10, ABLO5, AMN15, AL02, AC05, AMVR17, AV14, ABC+16, AGL10, AKA13b, APvD12, ABF96, ABC00, AABM13, AM17, AAB+15b, AIL05, AW15, AGH13, AH18, AMK+14a, AHT17, AKT16, AS05, AA02, AMK14b, AL97, AL99b, AHF00, ALZ14, BS03, BS07, BKG16, BQ06, BMV18, BR05a, BGLY05, BHN07, BN98a, BK16, BS05d, BBG04, BN00, Bas98, BVG15, BBGG11, BN98b, BLB00, BzCS11, BGK15, BDO12, BBM11, BB15a, BB15b, BHT09, BS15a, BS16b, BS17, BM17b, BFK05, BG05a, BG05b, BCM05, BCM11, BKS16b, BR18, BF14, BZ15, BV09, BLR14, BBM+15, BQR18, BS99b, BT13, BMK10, BDK12, BV05, BGSV15, BMV11, BMNT14, BD05, BRW10, BHR96, BOPGF06, BT16, BMV13, Bur13, Bur14, BLL07, CCF14, Cai95, CKS01, CL11].

Methods
[CPW15, CGL+12, CHAMR06, CSS10, CPR14, CDG17, CGQ10, CZK15a, CPV95, Car07, CV07, CKD13, CRS+18, COS06, Cas97, Cas02, CZ10, vVCAU10, CF8Z08,
CEHN08, CV12, CS96, CCSY98, CGZ99, CN99, CW17, CHW17a, CHW17b, CC03, CFFKM18, Chet98, CKY98, CD02, CHMR10, CMK11, CLL13, CBN02, CLK18, CKV99, CS14, CH08b, CK98, CS17, CBDW15, CHH10, CM99, CFM96, CCG14b, CDW14a, CDW14b, CS10c, CK94, Cor98, CE16, CC18, CSW14, DO11, DP98, DMMO04, DMMO05, DG98, DL17, DHJW08, DLZT05, DLZT06, DRFNP07, DFN12, DB94, DP10, DPG18, DT05, DMR12, DGGG09, DS14, DGG18, DF99, DGR17, Du16, DKS18, EKM94, EDGL12, EBR00, Elm98, Elm00, EF15, ES18a, EMM99, Ema10, ELtHR00, EN09, EV13, EMT09, FTY15, FK00a, FGM08, FR15, FKTW10, FS02, FK00b, FSM17].

Methods

[FMR06, FS12, FS13, FM99, FNNB05, GMN02, GK12, GX16a, GZ16, GASSS98, GGL09, GK11a, Gas13, GSS12, GHK14, GP18, GZW18, GJM94, GKKM07, GKS98, Gra14, GK05, Gr94, Gr95, GMM15, GSW13, GC97, GNZC17, GW04b, GM04, GVMM14, GP96, HKR02, HR05, Hago0, HHM17, HLF13, HH10, HW13, Han95, HH02, HNF13, HW14b, HNS08, HJ98, HGL12, HST07, H00, HML06, HMLM09, HMR09, HL09, HV96, HEGH14, HP08, HJS18, HS01a, H05, HK95, HM07, HW09, HFL11, HGZ17, Huc08, HiH18, HLM03, IM97, IM99, IT14, JK11, JSPC97, Jay98, JVG12, JW05, JCL17, JLP18, JZG06, JR96, JR98, JP11, JZ00, Kan03b, KM15, KL15, KKB10, K08, K07, KZK17, Kim05, K06, Kim08, Kla98a, KR06, KR12a, K14].

Methods

[KLR15, KLRU17, KVMK01, KCB17, KS15b, KW16, KT08, KS14, KW18, KW10a, Kul12, Kus97, KGT07, LVWW03, LOSZ07, LCBD07, LP96, LS95, LL97, LMPQ03, Lee10b, Lee13b, LN17, LST07, LG09, LHL11, LLLX16, LZ17b, LSC18, LRS02, LMT18, LL08, LSZ17, Log03a, Log03b, LNS15, Lui00, Lui01, LMMW04, LK98, MMM15, MM13, MV00, Man99, MS17, Mar03, MMT15, MS04, MLL13, MC10, McL95, McL07, MRS14, MW01, Mic01, MT97b, MSS12, MS12, MFPG18, MDC98, MZWG16, NKLW94, NX12, NAC15, NNRW09, Ng00, NS03, NWW10, NY11, NF18, NWW97, N05, O10, O16, ORST12, OS14, OLW09, OS98, OSCE00, PFW18, PS02, PS18, PR01, PE00, PCF16, Pav98, PZPR07, PL06, PSA99, POWG12, PST15, Pul08, QX08, QS18, QS05a, RKLN07, RX17, RR98, RG07, RW11, RC98].

Methods

[GGG06, RH09, RW06, RS13, Ros96, Ros05b, RS99, RWW14, RM08b, SSM16, SL10, Say15, SG11, SRS12, ST17b, Ser06, SCTP04, She99, SY10b, SY12, SXW16, SX16, SBX10, SW17, SM18, SV00, SS03, ST00, SO15, Son12, SH14, SSW98, Sta07, SM07, Ste01, Ste00, SS93b, Ste02, Str94, SSVW17, TT96a, TS11, TX17, TK13, Tau96, TSK09, Tsc18, TVA02, TDL12, Ton94, TW17, TS14, TPW09, TLE12, TP99, TV98b, UA07, VC00, VV05, Vas07, V014, VW94, VO06, VPP05, Wal99, Wal18, WCS00, WC03, WPL13, WLE10, WL08, WWY09, Wan12, WAS16, WRSZ18, WHL18, WG00, WMSG09, Wen10, WK03, XZB11, XH05, X06, Yan94, YTL11, YYS16, YBLH16, YZ07, YZ08, YWL17, Yu01, YCS16, YB09, ZBFN17, Zam16, ZK14a, ZCZK14, Zhi11, ZTBB18].

Methods

[Zha97, ZV05, ZCL11, ZZWZ14, ZSB16, ZMS10, ZK15, ZW94, ZF09, ZS02, Zn00, ZS04, vHBTC12, vdVY00, AP93, Atk94, Bia94, BR95, BFC94, Cai94, CSS93b, CW97, Dax93, DG05, Elt96, FS96, GPHAPR18, HHRV93, HLS93, Lie93, LMS93, MMPR93, MP94, Pen93, PM95, RA13, ST94, She97, Wei94, Zha94, vd97].

Metric

[BR16, BRR18].

Metrics

[GKRB16, Knu01, UA04].

Metropolis

[CKLL16, Wal14].

MGRIT

[DKPS17].

MHD

[CST13, CST16, PEC14, PSC16, Rav05, WGS17].

Micro
[JS10, LLS13, LM08, LM12]. Micro-Macro
[JS10, LLS13, LM08, LM12]. Microchannel
[HKF+13]. Microchannels [VN03].
Microflows [CLQ12]. Micromagnetism
[Lab05]. Microprocessors [HML+04].
Microscope [WPL+13]. Microscopy
[BC06, LFJS14]. Microstructure
[Kup00, Li03, NW97]. Microwave
[WB08a]. Midpoint [AR99]. Migration
[PR96, SP03]. Mills [CW06]. MILU
[WH95]. Mimetic
[CPH14, TC12, dVM08, dVL10]. Min
[GG94, GG95]. Mindlin
[CG07]. MINERR
[Dul98]. Mines [XK08]. Minimal [BBSV10, CGS02, DS14, Lee13a, LRS02, LN04, LD03, NM13, OK13, OWO14, RN95, SV01, Ton94, WMI09, ZP18, Bia94, CGS+94, Fre93].
Minimax [FNTB18, GM94, LZ01, LZ02, SW10b, YZ05, ZFS15]. Minimization
[AAB+15a, AO17, BLV18, BLP14, BCL99, BL08b, CC08, CXY10, DK10, DGP10, Doh03, DF03, FNNB05, GY09, GRMS09, GS98b, GNZC17, KKK16, LMRS15, LN17, LST07, MF06, NN05, OC05, OST11, Vas10, WBFA09, YG15, YSX17, YMW07, YLHX15, ZBK18].
Minimizing [ACO98, ACC00, CW12, Don06, Hag02, HKR16, WCS00, We94].
Minimum [AW11, Ash95, BBR08, EG18, Kas05, MV00, Ng00, PS02, PHJ11, Wan13, dMJHM00, DG95, SS93a].
Minimum-Mode [PHJ11]. MINRES
[CPS11, Du98, GH02, HS17, KL12]. MINRES-QLP [CPS11]. Mincible
[AD18b, CL97, CY17, LY98, WLE*00].
Missing [ZW16]. Mixed [AE08, Ain07, AHT17, BMV18, BRT07, BMM98, BG04, CPV95, CGP12, CZ10, CKY98, CKV99, CG05, CG07, DTYY18, DK98, Egs18, EPSU09, FGM08, FKTW10, FNNB05, GJ08, GY12, GS16, GH02, GK18, GPHHAPR18, GW00, HJP03, HJP04, HW09, KLV+16, KS99, KL05, MMT15, MRT00, Mie01, Pav98, PSA99, PQOB14, PSC+16, PEdD12, San10, Sar98, SJR09, Sch02, ST17b, SW16, Sta00, VP14, WLE*00, WGS17, XCS16, YTD15, YBLH16, ZHS10, CGP93, WTS94].
Mixed-FEM [GH02]. Mixed-Hybrid
[MRT00]. Mixed-Mean [VP14].
Mixed-Precision [YTD15]. Mixing
[VCZ04]. Mixtures [AH17]. ML [YC99].
Modal [DMM18, dMGF17, KSMM18].
Mode [AK17, Aru12, CGM00a, PHJ11, RSSM18, WRB+15]. Model
[AH17, AdSGC12, AbdSF15, ABST13, AK17, AN16, AG16, AH09, AHR12, AKM14b, BBSW16, BB08a, BBG11, BG07, BF13, BB15b, BMM98, BK04, BN17, B109, BCC16, BK00b, BS18b, BTWG08, BC13, CLQ12, CTB15, Cha07, CS10a, CBG16, CCCZ10, CYZ17, CD*+13, CS18b, DDKM14a, CG96, CW12, CGHT14, CDN16, CPR11, DHE13, DS13, DG99, DZ08, EKLS+18, EMM+99, EF09, Fra98, GX16a, GHMY18, GT98, GKC13, GM13, Gob08, GLL01, GB06b, GPA18, Gos12b, GSW13, GLV18, HKF+13, HLLM15, HSS08, HP03, HQH+16, HiH18, IA14, JK15, JZ16a, JP14, Kim05, Kim08, KLJ10, KPPS14, KSI15, LD12, LTC13, LSV17, LU17, LQR12, Lay96, LS13a, Lee14, LM17, LM15, LN05, LWG10, LS05b, LM14b, LHR+18, LRT11, MO00, MRS16, MS18b, Mu97, MF09, NKT08, OS14, PP12a]. Model
[PW15, PWG16, PGW17, PNP13, PM16, PS11b, QS14, RKL18, Re18, RDP08, RL*00, SM18, SSDN12, SBR06, SY10a, SSJB17, Sma01, SMR18, TLN14, TY00, To08, TGS08, VBA18, VP14, WI0H08, WH13, XBC96, XJS12, XJS13, YL09, ZBFN17, ZFLB15, ZYLW16, Zim14, dSGK+15, ten95, CH13]. Model-Based
[Fra98]. Modeling
[ASZ07, ACCP13, BPR04, BCT05, BKK18, BBH+16, BC+10, BGL06b, CHL06, CGD11, Ga08, GV15, GRL10, GM11, HJ18b, HK03, HL13, HLM16, JK10, KLT06, Kup00, LVW03, Lay06, LCR+16, LOL13, LO14, LQ16, Lin06, LM14c, MH17,
MJR05, NMWI11, NWW97, OPRB06, PSKG13, RG13, Ren15, RG09, RK07, San10, SDNL10, SPKB13, SCM10, TPT+16, Val18, WKM+07, XMR18, vHCD+15, LP06.

Modelling [GMvdV18]. Models [AA00, AKA13b, AF11, ABCP08, BST08, BHN10, BCF13, BBR04, BGSV15, BJ08, BM13, BJW18b, CV07, TVCAU10, CCC17, CNP12, CS18a, DSB99, DJP00, EHL06, ESMW12, FKQS17, FS05, FY14, GR04, GZYW18, GZW18, GV16, HAG17, HPS06, HDB08, Hri03, Hri05, KGM+11, Kou09, KL11, Le05, LRP07, LP08, LDS11, LZ16, LNA+11, MMRN15, MEHL16, MW08b, NGX14, NCT99, NMFP16, OKdSG17, OPRB06, PGW17, QZT11, RKKW14, RWWK15, RWKW14, RW97, RLC08, SBK18, SRS12, SHP07, SC03, SY14, SBX+08, WM05, WKM+07, WTS94].

Moderate [NN14]. Modern [DARG13, EMM+99, KHW+14, MRV06]. Modes [Fli13, JvGVS13]. Modifiable [IS17]. Modification [MOKS12, Pet01, ST14a]. Modifications [BEOR17]. Modified [ACVZ12, APS12, BS15a, BFK03, BLA05, CGL+13, Dax03, EIL01, GL03, HJ18c, HLW00, HS17, IV10, LRT11, LXK10, MR02, MM95, MM98, NRS18, Sch03, SH01, WLZ18, ZQ17, Zyq11, Anj93, FGM95, LCW95, OS95].


Molecular [APvDG12, BZ10, BCR11, BTD08, GKM+17, GLT09, LRI0, LCL18, NKT08, OKF14, QZT11, QDKW18, RN14, S097, Ske09, YPN+01]. Molecule [Nak08].

Molecules [Kra08, MS04, VS17]. MOLNs [DTT+16]. Moment [BN98b, BLM03, CL10, DHP17, FDFW07, GLT18, KW10b, LZ04, PKR+13, San10, TKCC13, ZBK18]. Moment-Based [BN98b, PKR+13].

Moment-Matching [GLT18]. Moment-Parity [BLM03]. Moments [BSMM16, GMV99]. Momentum [LW12a].


Monotonicity [AW11, BH14a, BS04, BM10a, BM10b, FK97]. Monotonicity-Preserving [BH14a].

Monte [ABL05, ACdS+11, BVH+ST14, BK04, BCSS14, CL18a, CKXZ18, CKBT16, CML+18b, DPS18, DGR+17, EHL06, EBSS+11, GSLTV16, GP18, GKR16, HW14b, HHL100, HS18, IT09a, IK10, IT14, JKL18, KKS08, KBK+08, LZ04, MS04, MSS12, NT18, Òkt05, PR01, PWG16, PMR16, RV17, TPW09, Wan12, WWH17, WKKP13]. Monument [Sem10]. Morrison [BCM03]. Mortality [Kim05]. Mortar [BBMR03, GYZ11, GJP+14, KL06, PEdD12, PWGW12, Ste01, TW13b, WW03]. Most [KM05]. Motion [BN98a, CS94, CFSZ08, GM13, HT16, KKK18, MO00, MO10, Nt99, Sch05, SU15, TR93]. Motions [MK96].

Motor [GLL+15]. Motzkin [DHN17].

Mountain [Ben13, Ben15, Ben17, Tum10, TBC+11, Vas05, vD01, vDVE+02, vDVE+03, Vas07]. MOVCOL4 [RWX07]. Movement [BLH02, FS05, KWW13, NMW11].

Moving [BHR96, BW09, CHR02, Car10, CM98a, CM98b, CP13, CIZ18, DBC13, DLZ05, DLZ06, DBSR17, GLQ16, Gra14, GN07, HR07, Hei13, HR99c, Kup00, LPR98, MMRN15, MN07, PFW18, PM15, RWX07, SMR10, SAE10, TY00, VB07, WS07, WPT17, YHQ12, YY18, Pet93]. MPEC
[BLP14]. MR [BEM94]. MREIT [SKJ+13].
MRRR [DPV05, PQOB14].
MRRR-Based [PQOB14]. MSAV [CS18b].
MSP [WZ03]. Mstab [NG18].
Multi [ADK+18, BL03a, CB98, DDMQ18,
DSRMK17, HK95, HGK97, LNP+07,
Log03a, Log03b, MSS12, OPRB06, RNV17,
RTR+16, Saa96, SW09, WK06].
Multi- [HGK97, RTR+16]. Multi-Adaptive
[Log03a, Log03b]. Multi-Dimensional
[DSRMK17]. Multi-dimensions [MSS12].
Multi-Element [WK06].
Multi-Elimination [Saa96].
Multi-experimental [BL03a]. Multi-GPU
[RHSK11]. Multi-Index [RNV17].
Multi-Material [ADK+18]. Multi-P
[HK95]. Multi-Resolution-Analysis
[LNP+07]. Multi-Right-Hand-Side
[CB98]. Multi-Scale [OPRB06].
Multi-Stage [SW09]. Multiblock
[LD00, MC10].
Multi-channel [LDM00, MC10].
Multi-class [BCV13]. Multicloud [DKM14a].
Multi-code [CHV+18]. Multicolor [WH95].
Multi-component [KS15b, LD05, WZET13].
Multi-computers [HV96, Rot96].
Multiformality [BV96, JS96, KN96].
Multiformality [BV96, JS96, KN96].
Multiformality [BV96, JS96, KN96].
Multigrid-In-Space [And16].
Multigrid-Preconditioned [PT01].
Multigrid-type [DSC05].
Multigrids [BTTB05].
Multilayer [Lar99].
Multilevel [AG17a, ABH03, AKS05, AP99, BMP16, BS02, BK98, BK99, BL04b, BHT09, BS05f, BG09, BBB+11, BMS+97, BV98, BGR16, CGP93, CGZ99, CC08, CC10, CWZ07, CWX15, Cho05, ICCVEK17, CDGT01, DMM+08, DMSW10, DGR+17, EY07, EN08, EN09, EK14, EK10, G13, GXY15, GrM10, HM05, HJ98, HL10, HXX18, HJS18, HS01b, HS17, JK11, JKLZ18, JR96, KXS18, KNN12, KK98, KKT13, KS94, KKF11, KC16, KT08, Kra12, LL98, LL08, LSC18, LX16b, MG07, MG09, MG11, MV94, MK08, MSL2, MTV16, NT18, OUV17, OKLS15, Par17, PS08, PSI11a, PC07, Rüd94, SZ99, Saa05, SCTP04, SBX+08, SW03, SW+18, SLC01, TX17, TTY16, WC00, WiOH08, YD06, ZT17, Zha94, EG93, AM17, LB11].
Multilinear [SL10].
Multimedium [WLK06].
Multimodal [HW03].
Multinumerics [TW13b].
Multiparameter [BC99, YBM+18].
Multipass [MS98].
Multiphase [BHN10, BEM17, LVWW03, MBGV16, RH1K11, SU15, WZET13, Whi15].
Multiphysics [BS16a, LCR+16, SM17, WPG13].
Multiple [ARMNW10, AEFM17, AHDK14, ABB+16, BA05, BNP15, BDvdG05, BER17, BS96b, BD99a, CGL+13, CGR14, CN99, CS18b, CC97, CMM95, EPE05, GYZ11, HR05, KKN18, KMR01, Lee10b, LZ01, LZ02, LX14, Liv15, LN04, MN11, MY18, Nov15, RSM18, RH06, RNR16, SG95, SRI+18, SO10, Str93, UA04, WS07, WHL18, WQ98, WWJ12, XY12, YTD15, YZ05, YC99, ZGA10, CW97, Heg95].
Multiple-Coarsening [Lee10b].
Multiple-Grid [MY18].
Multiplication [AKA13b, AA14, ABB+16, BSH16, BG12, DO15, DKGS15, EBSS+11, GHS+15, GKN18, HJ18a, HKW+14, Mat95, DMD15, SLvdGK14, SvdGP16, VR14, WH09, YB09].
Multiplications [FHH+18, YL93].
Multiplicative [Cai94, CGG07, HLZ13, SCGT07, Vi14, WY13].
Multiplier [BLS14, IT09b, KL15, LNS15].
Multipliers [CG18, KMW99, KW00, WY12, YY18].
Multiplies [UA04].
Multiply [BC13, DK11, HT09, KAU18, NAS13, Goe97].
multiply-add [Goe97].
Multipoint [SB098].
Multipole [BCR11, BT03b, BPT+14, Ber95a, CDGS05, CD13, CJO5b, CP17, ED95, EG01, GR02, GS00, GD03, GrM10, HA17, HEGH14, HR98b, KLZ+06, LCC14, MG07, MG09, MG11, MR07, NKLG94, OC03, OC05, PD15, RRR05, Sch94, EB06].
Multipole-Accelerated [NKLW94].
Multipole-Based [G13].
Multiprecission [CVW06].
Multipreconditioned [KBL+17, SPI16].
Multiprocessors [Sun96, NP93a].
Multiprojection [MFPG18].
Multiquadric [DD12, KW11].
Multiquadrices [CNB02].
Multirate [Pul08].
Multi-resolution [ATV07, ACD95, ADH99, BWW00, BCF02, BH97, BT01, DDGS16, DMD+12, GC17b, HBB+16, JTZ08, HKHL16, LS00, WB00, Lin93].
Multiresolution [Vi14].
Multiwave [KMSM14].
Multiscale [AE08, AD07, AKT16, BZ97, CSS10, CD01, CE16, DP10, DCO10, DMD+12, FR15, Jin99, JK05, KY05, Kra09, LM00, Li09, LNS15, MPS18, OS15, TW03, TW13b, WM11, ZCW10].
Multisecant [SM17].
Multishift [VD10].
Multispecies [BM13, JS10].
Multistage [AHHR16, Ban10, HS06c, ZRTK12, WRB+15].
Multistep [Ban10, HHI18, IM97, WZ03, ZFZ14].
Multisymplectic [KMSM14].
[BFK05, CWD13, MMA98, MNP07, NX13, PSC+16, RU01, SF08]. Nodded [CCSS08]. Node [LLHF13, MOSS17, SKF18]. Nodes [BMF12, Bog14, CW15, FF15, HT13a, JM18, ZMS10]. Noise [BG10, BV16, BRW10, CC08, Gub96, HLZ13, LKBJ18, MO00, MW11, NT18, RW06, VL14, WGT14, YZY09, ZTRK14]. Noises [GDLS14, MT97b]. Noisy [BTY08, Kus00, LS16b, LT09, SKJ+13, YGCP96]. Non- [AM04, Bou01, CGL+13, CPV95, DFQ14, DTYY18, FS14, GS14, GP96, KPT16, KMR01, LRD+04, LZ16, MB13, NN18, Sta97, TY15, VXY16, bZOW07, FGN93, Fre93, YZ08]. Non-Boussinesq [LRD+04]. Non-Cartesian [DFQ14]. Non-Coordinate-Aligned [MB13]. Non-equidistant [bZOW07]. Non-Galerkin [FS14, TY15]. Non-hermitian [CGL+13, KPT16, KMR01, VXY16, FGN93, Fre93]. Non-Homogeneous [YZ08]. Non-Levy [LZ16]. Non-Newtonian [GP96]. Non-Self-Adjoint [Bou01, Sta97]. Non-Selfadjoint [CPV95]. Non-Simply [NN18]. Non-adaptive [SX16b]. Non-Adiabatic [BG11]. Nonaligned [BD99b]. Nonasymptotic [BHVST14]. Noncentered [DMMB10]. Non-central [KB96]. Non-classical [GI99]. Noncoercive [Bur13, Bur14]. Nonconform [BD99b]. Noncoercive [BHVST14]. Nonconservative [CPPR12, DRFNP07, MEF09]. Nonconstant [MRV18]. Nonconvex [GRMS09, HD15, KPP07, MV06, NW97, QS08b, SWW08]. Nonconvex [GRMS09, HD15, KPP07, MV06, NW97, QS08b, SWW08]. Nonconvex [GRMS09, HD15, KPP07, MV06, NW97, QS08b, SWW08]. Nondegeneracy [Ush01]. Nondestructive [JLZ16a]. Nondifferentiable [CGS02]. None elliptic [Yav98]. Nonequilibrium [KM98, SYY09]. Nonequispaced [KV12a, PP13, PS03, DR93b]. Nonequivalence [HLM16]. Nonequivalence [HLM16]. Nonequivalence [HLM16]. Nonhydrostatic [GR10, GKC13, RDG09, YC14]. Nonhypercube [WI12b]. Nonlinear [AEFM17, ADKM03, ABF96, APSG16, AK17, ABR17, Ami94, ABK11, ADH99, AD07, AL97, BLV18, BK98, BK99, BJM03, BSHL14, BPR04, BM01a, BMM11, BEE18, BB15b, BG17b, HLS14, BCF12, BF06, BLR14, BS99b, BGR10, BC99, BM00, BMV13, BFI07, BG04, CG18, CL11, CGK16, CZKK16, CCG14a, CTB15, CGR14, CM99, CNG99, CJ07, CS10a, CBG16, CN10, CW12, CH11, CSW10, DSB99, De 12a, DGK+16, DHO12, DgvZ18, EGKS94, EV13, FM01, FFB15, FF05, FSVdV98a, GJ17, GR05a, GL+15, GJP+14, GRPG01, GH02, GCB15, GMS02, GH14, GHKS14, GS97, GVMM14, GN07, HH02, HJ99, Hok17, HKT01, HXB13, HLM16, IM97, IS15, JK07, KB08, KA95, Kea97, KZ00, KL14, KL15, KL17, KM98, KLS08, Kus97, LP13, LRW96, LV13]. Nonlinear [LJ17, Lay96, LMW15a, LWZ17, LW14, LMT18, LSV13, LSZ11, LKK18, LK04, Lui00, M039, Mar94, MO00, MP08, MG12, MT99, OW00, PL03, PW15, PW08, PPT11, Pla98, PBV18, RPK18, RLM+00, Sch03, Sem10, SP07, SY18, SB05, SB05, Sma04, SVX15, TU05, Tr05, VMM13, VC00, WS95, WL08, WBT11, WTH18, WSH14, WB08b, WK03, WdZsvB18, Xue18, YDF97, YYS16, YHC16, YZ07, YZ08, YD06, YYY11, ZTB18, ZZ04, ZspH14, ZRK15, dSGK+15, AGC96, AO93, Car93, Sar97, TR93]. Nonlinear-Programming-Based [KB08]. Nonlinearities [JKM14]. Nonlinearity [CL11, GM00a]. Nonlinearity [CL11, GM00a]. Nonlocal [CK02, HYC16, DH16]. Nonlocal [CG18, DHZI18, KM97, RAB+14, XJBS12,
XJS13, ZHDZ17. Nonmatching [MLL13, RT01, WK03]. Nonmonotone [Toi96]. Nonmonotonically [TN16].

Nonnegative [AN16, CIZ16, CL08, DHHR09, GW17, IL16, KP11, LD11, NSJ03, SX11, ZJX14, FS96].

Nonnegatively [BV03]. Nonnormal [vD03]. Nonnormality [vBdB05].

Nonnested [Cai95]. Nonoscillatory [BT06, CFR05, CV07, DB07, GR02, HKYY16, JT98, LN03, LT00, QS05a, QS08b, ZLS12, ZQ18].

Nonoverlapping [Den97b, MRS04, PL12, RL10, RGG06].

Nonparabolic [DJP00]. Nonparametric [EMT09, ES00, HHM08, Hei13, LYL17, Ret13]. Nonpolyhedral [And08].

Nonparametric [EMT09, ES00, HHM08, Hei13, LYLC17, Rei13]. Nonparabolic [DJP00].

Nonreflecting [LS02]. Nonsmooth [BDD+97, BN05, BGL08, BBM11, BT98, BSvD99, BHT00, BM+10, BCMM03, Bur13, Bur14, CJI11, CK13, CS96, CKY98, ES17, EPV94, HWD02, HZ10, Ips01, Jou94, Kas95, KOV15, Krz01, LZZ99a, LSS03, MS07b, MRS18, MN11, PV95, Ruh98, ST08, SIS06, SCG95, SvG08, Sta94, TT07, Ton94, Zha97, dDBV14, dSL05, CGS+94, DS93, ES96, ST94].

Nonturbulent [CBS00].

NonUniform [SR16, Ain14, BGV13, BG08, BB15c, CKRS07, FCM12, GMBS16, NL99, RAT18, Zen16]. Nonvariational [LP11].

Nonsymmetric [BD97, BNO5, BGL08, BBM11, BT98, BSvD99, BHT00, BM+10, BCMM03, Bur13, Bur14, CJI11, CK13, CS96, CKY98, ES17, EPV94, HWD02, HZ10, Ips01, Jou94, Kas95, KOV15, Krz01, LZZ99a, LSS03, MS07b, MRS18, MN11, PV95, Ruh98, ST08, SIS06, SCG95, SvG08, Sta94, TT07, Ton94, Zha97, dDBV14, dSL05, CGS+94, DS93, ES96, ST94].

Note [ADGP07, CW16b, GK11b, GG95, Ips01, KW10b, LKK18, MGW00, QQSvdG01, SC03, WB99, Jin95, Tre93].

Noninformative [BYK05]. Novel [CGDD11, DFS17, EKSS16, EO05, FO08, GLR+16, GKK10, HY10, HL17, Lee10a, LJ17, MTM08, TMA18, Xu94, YTL11, ZLTA15].

NR [CLQ12, CLW13]. Null [BN00, HHLW15]. Nullspace [Le 09, RG13].

NUMA [GKC13]. Number [AMHR13, CKQ14, DLV17, Fer98, GH15a, HR14, KR17, KL15, LSW02, LX16b, NH12, NBA+14, Pel18, SSDN12, SV08b, SV11, Ste11].

Numbers [EL01, HL17, KV05]. Numerical [ABBBM98b, AB17, APZ13, ADKM03, ABH03, APvDG12, Ama98, AIL05, AP97, AO17, Aru12, ACCP13, BHO00, BLO3a, BJM03, BS05d, BMTZ13, BBC+01, BN00, BPB07, BGK15, BK08, Ber98a, BM05, BK04, BCS14, BI09, BCM15a, BK00b, BV09, BH91, BBC07, Boz99, Bre17, BMM+08, BTT13, BJ08, BLL07, BGMW17, CG18, COZ96, CLMM00a, CKS01, CL10, CLPS03, CKZ15a, Car07, CM09, CRS+18, CP05, CGP12, Car93, CER18, CH08a, Cha07, CGK13, CVG18, CDF18a, CLAT10, ICCVE17, CW06, CK98, CH09b, CG96, CBF17, CK94, CHL16a, CHL16b, DO11, DP09, DK11, DMM05, DP+04, DJP00, DL17, DLM16, DQ13, Don06, DV98, DG99, Du11, DHZ18, DP16, Dur16, EL03, EP06, EF05, FGMP13, FGMP14a, Fa03, FTY15, FMM98, FL04, FY14, FR15, FMS17, FMR06, Fro12, GS16, GK00].

Numerical [GHHK15, GHTW00, GGM+04a, GMV99, GT06, GV16, SDK05, GGKM07, GMS02, GKT09, Gnt03, GV70b, HRT10, HT13b, HM98, HBB+16, HLP08, HR99b, HC98, HHL07, HHL15, HLM03, In99, Jam98, JK12, JMS16, JW05, JW13, JZ00, KB08, KP12a, KW07, KKN18, KKKF11, Kla99, KS15a, KH18, Kös07, KS15b, Kup98, KGT07, KM05,
LAN94, LLP98, LL02, LZ17a, LG97, LMPQ03, LL00, LI03, LB15, LO03, LLO8, LS09, LC05b, LP06, MR09, Man05, MAr94, AE18, MSW05, McL95, Men94, Mic01, MT97b, MT06, Mis01, MZ94, MS07e, MDC98, MHS98, Nas09, NW97, NNH99, Obe13, PBP14, PS18, PL03, Pen93, Pic10, PABG11, Por01, Pup03, RPK18, RR98, RW06, SSW18, SRCG93, SB98, Se95, SCM10, SY10a, SP02, SO15, Ste01, SW15, ST11, TR93. Numerical [Toi08, TW17, Tre97, Van95, Van00, VW98, VR14, WS95, WWY09, WM93, Wen08, Wen10, WP98, WKM+07, XB96, XKWY08, XK08, XT06, YTL11, YZ07, YZ08, YP98, ZLLT15, ZD09, Zha18b, ZW03, ZCPO6, ZYLW16, Zhe07, ZK15, ZHDZ17, ZS02, ABS96, BS94, Ber97, BH97, BGP94, CDH97, Ran93, RST93]. Numerically [LRP07, LP08]. Numerics [ACF09]. Nutshell [HL98]. Nyström [CSS93b, Cas05, CCC18, PT99].


collection [PS97]. Ocean [ADM10, HXXC16, KH14, NK13]. Oceanography [XBC96]. Octahedron [AB08b]. Octree [HMM07, SB10, WM11, HH11]. Octree-Like [WM11]. Octrees [BWG11, IBWG15, SB08]. ODE [Ber00a, Bjo95, CPR11, GS97, HJ07, Lie93, LCJ96, OB05, SR97, SBND11, vd97]. ODE-IVP [vd97]. ODES [Bar05, CV94, AP97, BN13, EM96, EJL03, JS93, LZK17, Log03a, Log03b, SB98, Ver94, WE13, ZS14]. ODES/DAES [Bar05]. Odyssey [ABH03]. Off [SE13]. Offline [SW09]. Often [WS05]. Oil [BMM98]. On-Line [OS15]. On-the-Fly [TY11]. Once [MPW18]. One [AKK18, AP01, AHR12, BT06, BFK05, COZ96, CM98a, CGS02, CGV18, CC12a, GBCT10, GT06, GV09, Haz08a, Haz08b, HC95, KS17, LS95, LZZ18, Liv08, MR07, PMR16, Red99, SWX16, SV11, Sta07, SMR01, SJ14, Vi09, VS03, WLL+15, Wen08, Xu04, YHQ12, SS93a, DSZ13, He97]. One- [BT06]. One-Dimensional [AHR12, COZ96, CGS02, CGV18, GT06, KS17, LS95, Liv08, PMR16, SWX16, SJ14, Vi09, VS03, Xu04, YHQ12, LZZ18, SMR01, He97, DSZ13]. One-Stage [CC12a, Haz08b, Haz08a]. One-Shot [AKK18]. One-Time-Step [GV09]. Online [AF11, LPSB17, PW15, SBK18, SW10a]. onto [Ana98]. Open [HG96, LXL09, VS03]. OpenCL [DAR13]. Operation [CF07]. Operations [ASZ07, BB09, JK12, KV13, MW08b]. Operator [AN17, BBB14, BPS14b, BS16b, BS06a, CCC17, CS18a, Che13, CDB13, CKO15, DG16, DHO12, DMD+12, FKK+14, GHHH17, GS18, GLQ16, GLQ18, HLWL15, Liv08, MPRW98, PC98, Rah00, RZ03, RSW10, Rub12, WL28, XZ10, YYWY18, ZB12, vGEV07]. Operator-Based [RWS10]. Operator-Splitting [GLQ16, GLQ18]. Operators [BS96a, BT04, Beu05, BC02, BZ15, CDY07a, CJ05b, CJ95, DZ15, Doh07, Elb06, FF15, HDZ16, KX96, LW97, MC10, NN18, ODN17, SRS12, SY08, TO3, VR14, WH15, Win10, XLL18, YR98, ZN16, Nat95, Nat97]. Optical [BIK02, CILZ15, HP08, KdS05, LC05b, OJKG17, RBH06, SSKF15, YSS07, dSK11]. Optically [Lee10a]. Optics [Du11, GRPG01, QL06]. Optimal [AMVR17, AA00, AAD11, APSG14, APSG16, AS18, AS93, ACLZ15, AHR16, BKGV16, BGL06a, BBH18, BHvST14].

Optimization [CAB97, CFS94, FSM06, SW94, WSS07, YSD10]. Optimizations [CAB97, CFS94, FSM06, SW94, WSS07, YSD10]. Optimize [BGS09]. Optimization [CAB97, CFS94, FSM06, SW94, WSS07, YSD10]. Optimized [CAB97, CFS94, FSM06, SW94, WSS07, YSD10]. Optimizer [BGS09]. Optimizers [BGS09, BMS00, BWG01, BS96a, BS96b, BS96c, BS96d, BS96e, BS96f, BS96g, BS96h, BS96i, BS96j, BS96k, BS96l, BS96m, BS96n, BS96o, BS96p, BS96q, BS96r, BS96s, BS96t, BS96u, BS96v, BS96w, BS96x, BS96y, BS96z].
BH11, BFK05, BG05b, BK00b, BI02, BVW09, BBO09, BCK+18, CGR14, CF07, CWL+14, CK98, CCO11, CBWD15, CS10c, Ded10, DZ12, DP07, EU09, ES18b, FF15, FD03, GS18, GXY15, dMGF17, GPS95, GM11, HRT10, HS12, HN06, HR99b, IR98, Jac03, KB08, KZ17, KL+85, Kla98c, Kny01, KALO07, KL12, KT17, LPSY17, LLX15, MRS04, Mar01, MNS07, MSS10, MCB18, MK08, MRW15, NRMQ13, Not00b, O’L01, OW02, PWG16, PST15, PW05, RW10, RW11, RWA95, RW13, RCC18, RCK018, ST03, SX16b, SP16, SSC+15, SCW+17, Sta07, SM07, SM15, SBMR18, SW09, SW10a, SJD14, TO15, TW18, TUV10, Wam07a, WG10, WG12, Yam02. Optimal [Yiu95, ZWH+14, ZFwCW15, BDHS10, Cai93, DGHL12, Lin16]. Optimal-Transport-Based [MCB18]. Optimality [CCS97, Don06, NM13]. Optimally [BS18a]. Optimization [AEMM16, AHT12, AOR18, BCS07, BM18, BPS13b, BPS13a, BG05a, BG05b, BH08, BGR10, BLN295, CA16, CC12a, CJS16, CKXZ18, CDM+13, CSW10, DP17, De 12a, DF10, DMN08, Doh07, DS17, DSGW10, DW15a, EKM94, EE16, EN16, FM16, FGH+08, GLL+15, GHK15, GU17, GJ05, GP17, GHN01, GJM94, GV07b, GKL08, GHKS14, HOY03, HM10a, HT13b, HS06b, Haz08a, Haz08b, HJ18b, HK03, HRS12, HKT01, HGZ17, ISW18, KSD10, KLST06, KS07, KLT16, KM16, KHRBW13, KHRvBW14, KSV16, KSBP17, LCHO9, LU17, LS13a, LN05, LWXY00, LWZ13, LGH+13, LNA+11, NWW97, PWF18, PR09, Par17, PNP13, PSLG14, PDC90, PMSB12, PBC05, PC07, QGVW17, PR01, RL17, RG07, RDW10, SWW08, SWB16, SW12, SPS18, SW17, SSJB17, SU15, Ste16, DH16, SB15, To96, TTY16, VMV15, WB08a].

Optimization [WRB+15, WYGZ10, WRS08, WH09, YHC16, ZZWZ14, ZDZ16, Car93, DLG97].

Optimization-Based [BPS13a, KBP17, ZDZ16].

Optimization-Constrained [LCH09].

Optimizations [HML+04]. Optimize [BSHL14, WBS+17]. Optimized [ADM10, BM01b, BC13, CBG12, CK94, DMBB10, DGGG09, DKZ09, DGL+12, EDGL12, GNM02, GK12, GX16a, GZ16, GI17, HJ17, IT09b, Jam98, LNS15, MHL+15, MM07, OKD16, PKD13, QX08, SCGT07, SAB14, ZSB16].

Optimizing [AB16b, Fie98, GRPG01, Kaw18, KKL05, MHL+15, PD15, Rau93]. Optimum [Le 01].

Option [IT09a, LZ16, RW07, WW17].

Options [AO07, FO08, HY08, HFL11, IT09b, KL11, LFBO08, Mar03, OGO13, OGO16, RO12, Toi08, ZK14c, dFL05].

ORB1T [WR508]. Orbits [CD06, DDF00, GM00b, LMR97, LCH99].

Order [ACVZ12, AV13, Abg09, ADR14, AMMR10, AMM+10, AMM+11, AB+13, AV14, ABMR11, ABdSF15, Ain07, AAD11, Ain14, ABF96, ALLK15, ABST13, AK17, AHT12, ALMR17, AABM13, ADGM98, ABBG16, AF11, AD18b, ADK+18, AP12, AS06, AK04, AIV98, BBSW16, BS05a, BCR11, BM11, BT06, BS05c, BGN07, BB15a, BB15b, BBT15, BM08, BPR99, BT97, BBD16, BFS16, BZ15, BLR14, BV16, Bre17, BTT13, BLM03, BS18b, BGL06b, BLL07, CLMM00a, CLMM00b, CL10, Cao07, Cas05, CS18a, CW18, CGV18, CMM00, CW15, CK15, CDF18b, CLAT10, CD15b, CYZ17, CM010, CFJT18, CM99, CG07, CK94, DW97a, DW98, DM13a, DG09, DFN12, DTK12, DAE02, DG18, DS16, DMD+12, DK08, DFM14b, EO15, EO16a, EIL01, FMM98, For06, GH07, GM17, GW15, GBCT10, GMvdV18, Gia18, GM14a, GZYW18, GZW18].

Order [GB06b, GPA18, GLT09, GM15b, GNPT18, GDLP+18, GM11, GX16b, GLW18, GM04, GN07, HHT03, HO18, HW13, HL09,
And16, AH09, BEEM18, BC09a, BCF12, BF06, BF14, BvW09, BV16, BWZ10, BW09, CH09a, CDG17, CGR14, CCG14b, DKO12, DGvdZ18, FMOS17, FH06, GN16, GPHHAPR18, Gra14, GS00, HV95, HV06, HVW95, HV95, KK18, Kye12, LV13, LLW16, LSC18, LSZ11, LPP09, MNS07, MSW05, MPRW98, MSS10, Moo00, PLS11a, Pic03, PMSB12, QX08, SV08a, Slo02, VV05, WvdZsvB18, Yu01, ZS02, ZFHS15, Bøe93, Cai94, Parabolic-Elliptic [PS11a], Parabolic-Parabolic [PS11a], Parachute [KP06a], Paradigm [BH00a, BL04a], PARAEXP [GG13], Parafac [KU18], Paragon [Rot96], Parallel [ABB+16, BDO12, Min02, PQOB14, RNR16, YS16], Parallelizable [HLTT97, NT18], Parallelization [BG17a, GLSTV16, Tilt15, WZSL12], Parallelizing [HvdG96], Parameter [AHDK14, BGLO6a, BP97a, BFN17, BU15, BM00, CMK11, CBS00, CJK10, GJ05, GG18, GLM94, GM00a, GK13, HR96, HCRT13, IJT11, JKLZ18, KZ00, LS16a, LM17, LWG10, MS13, MDG+18, Reg96, RW13, RTH17, SPKB13, SB05, TP18, TUV10, WE13, Wei99, Wel17, Yan18, YR12, ZN16, ZTM+16, Liu93], Parameter-Choice [CMK11], Parameter-Dependent [ABdSF15, AF11, ACW12, BPS14b, BS16b, BTWG08, BU15, CBS00, CJK10, GJ05, GG18, GLM94, GM00a, GK13, HR96, HCRT13, IJT11, JKLZ18, KZ00, LS16a, LM17, LWG10, MS13, MDG+18, Reg96, RW13, RTH17, SPKB13, SB05, TP18, TUV10, WE13, Wei99, Wel17, Yan18, YR12, ZN16, ZTM+16, Liu93], Parameter-Robust [LKM97], Parameterization [LMR97], Parameters [BBBG11, CGI11, CW12, EF15, GLT09], Parameters [DD12, EHN12, GK12, Jac03, JG02, KS15b, LM14b, O'L01, PDC99, VR16, DG95], Parametric [AH17, AbdS15, AF11, ACW12, BPS14b, BS16b, BTWG08, BU17, GLMN15, GY09, HMM07, KS11, LQR12, LS13a, TZ14, TB02, dSGK+15], Parametrization [SM15], Parametrized [BKGV16, DDMQ18, DLY14, DFD10, DHO12, EPR10, GV12, IA14, JX13, NRM13, SBMR18, ZFLB15, Zim14].
Parareal [AKT16, DM13a, GV07a, GJSZ13, LLS13, MGB18, MSS10, WZ15, Wu18].
Paraxial [CJ95, QL06].
Pareto [vdBF08].
ParILUT [ACD18].
Parity [BLM03].
Partial [ABBM98a, ABBM98b, ABC00, BGK15, BG05a, BG05b, BTGMS13, Bur13, Bur14, CML +18a, CML +18b, CHL16a, CHL16b, Dsz13, EO15, EO16a, GM17, GOS12a, GGS08, GS02a, GS02b, KGGS10, LRP07, LP08, Lec10a, PMSG14, Red99, ROO08a, ROO08b, Sta07, SM07, YZ07, YZ08, dSL05].
Partially [AHT17, BK04, JKLZ18, JBL18, SX11, DLG97].
Particle-in-Cell [KCZ15, MCV17, WMC11].
Particle-Mesh [CL18].
Particle-Partition [GS00, GS02a, GS02b].
Particular [Bet08].
Partition [AD18a, CD15a, FFSS13, GS00, GS02a, GS02b, KO17, LSH17, LCL18, Sch09, Sch13, YSZ14].
Partitioned [HP94, Jay98, RM08b, Zbi11, CS97].
Partitioning [AKA13b, AA14, BH17, tVÇAU10, ÇAK11, CCS97, CQZ17, DS00, GKM +17, GC16a, GMT98, GS05, HL95, HK00, KK98, KÇA12, RP01, SDNL10, SM16, Ten98, TMA18, UA04, UA07, VSS14, WC00, WZSL12, XA99, YB09].
Partitioning-Based [ÇAK11].
Pass [AM05, Lan94, HT16].
Passing [BS98].
Past [NH12].
Path [CCF12].
Path-Constrained [KB08, RP01].
Pattern [HKT01, JF11, KV13].
Patterns [Cho00, LCBD07].
PDB [CSB +18].
PCBDDC [Zam16].
PCG [NS03].
PDAE [MB02, NP08].
PDE [AB08a, AOR18, ALZ14, BPS13b, BG05a, BG05b, CDF18a, CPR11, EN16, GGOY02, GV07b, GHKS14, HL10, KM18, KHRvBW13, KHRvBW14, MRL +17, NMFP16, PWF18, PST15, PMSB12, PBC05, PC07, QGVW17, RDW10, RDB16, RTH17, Smi97, SB15, YHC16, YZ05, Yav93].
PDE-Constrained [GHKS14, KHRvBW14, SB15, PST15, AOR18, BPS13b, BG05a, BG05b, EN16, GV07b, PWF18, PBC05, PC07, QGVW17, RDW10, YHC16].
PDE/Linear [KM18].
PDES [LM00, AAI198, ABEn +17, Bjo95, BV16, BWZ10, Cas02, CL18c, DO11, DDMQ18, DMMO04, EV13, FMR06, GU17, GM14a, GLST16, GS00, GMZ06, HG98, HW15, HW14a, HRCT13, HO96a, Ho99, JTT08, JGZ06, KK18, KT05, KS11, LSH17, LZ01, LNS15, Lui00, MS17, MNS07, MNvST13, MN18, MNZ15, OX17, RKvdDA14, SRM +15, Sem10, TV98b, VV05, WG12].
PDF [BK04, CKV13].
PDF/Monte [KB04].
Peaceman [CHKM13, CLST03].
Peak [San10].
Penalization [EKSS16].
HR99b, Kla98b, Kla98c, PEC+14, WWY11, YJ13, CGP93, HG96, Hes97, LCW95.

**Penalty-Based** [YJ13]. **Pencils** [FSvdV98b, MW01, Ruh98]. **Peng** [FKQS17, QS14]. **Percentile** [BBC+16]. **Perfectly** [AKLP10, AH09, BHNPR07, CM98c, Dur16]. **Performance** [BS07, BB17, BDJ05, CPV95, Cas02, CMV97, CDPC13, DMPV08, DHHR09, EKM94, EG93, FFMT96, GH15b, GV15, GR$^+$15, GG10, Gup17, HLD12, HJ18a, IHTR12, JMS16, KW18, LNA+$^+$11, Mat18, PPB13, PDE+$^+$17, PF94, RZTK+$^+$15, Rot96, SLvdGK14, SRS12, SH14, SC98, TGS08, WRS17]. **Performance-Based** [JMNS16]. **Periodic** [AP14, Bit99, BR18, BBT11, Coa12, CD06, DLY16, ELiHR00, GJSZ13, GM00b, HJS07, HSSZ09, KL12, LZ17a, LR98, MBGV16, PMSB12, SSH06, TP09, WJMT15, XYG01, ZZ18, Zha18b, BR95, Pet93].

**peristaltic** [TR93]. **Permutations** [May08]. **Permuting** [AKA13a, APÇö]. **Perspective** [KKZ17]. **Perturbation** [EH18, LY98, TT96a, VXCB16, Yav98, Gar96]. **Perturbations** [BBC07, ES18a, SHP07]. **Perturbed** [ADGP07, DLTZ06, EMT09, GaP08, KH18, LZ17a, LSL13, MM13, Men01, OW98, ST00, WO98, XYZ12, ZLG98, Zha18b, FCR93]. **Petascale** [BBH+$^+$16]. **Petrov** [BDGK18, Böe93, KZK17, LZK17, ST08, SS10b, Yan14]. **PETSc** [KAL07, LMKG16, Zam16]. **Petviashvili** [KR11]. **PFASST** [MSB+$^+$15]. **PFFT** [Pip13]. **Pharmacodynamics** [AWA+$^+$18]. **Pharmacokinetics** [AHDK14]. **Phase** [AHR12, AHT17, BCT05, BH11, BNSF08, CS94, CCC17, CCR12, CL07, CLNZ16, CS18b, CDB13, CG96, DZ08, FTY15, FL08, GHMY18, GHHK15, GZYW18, GZW18, GX16b, HHW00, JWH08, KSMM18, KS15b, Ld12, LR12, LXS+$^+$08, MK96, MCV17, PT99, PP12a, PV15, QS14, SY10a, SY14, SO09, TK13, WC03, WMC11, WMC12, Wic17, WGF08, YYS16, YY18, LV94]. **Phase-Field** [CC17, CS18b, FTY15, PV15, SY10a, SY14, Wic17]. **Phase-Flow** [JWH08]. **Phase-Lag-Order** [PT99]. **Phase-Space** [MCV17, WMC12, WMC11]. **PhaseLift** [HGZ17]. **Phenomena** [CM09, EW00, GLT18, OPRB06, RSSM18, Str99, WG00]. **Phenomenon** [Ban08b, Pir16]. **Phillips** [FM99]. **Photochemical** [VSBH99]. **Photonic** [Fli13, HLM16]. **Physical** [GR04, MS04, OPRB06, SG04, dBMZ11]. **Physics** [BB17, BS04, GGK+$^+$04a, HL10, HKD12, NK13]. **Physics-Based** [NK13]. **PIC** [TKCC13]. **Picard** [LM17, LR98, PMSB12]. **Picard-Based** [PMSB12]. **PICIN** [KCZ15]. **Piecewise** [AHH06, AC95, BC08, BC09b, DZSN09, DG17a, HCR13, Heli11, LNS96, LCL18, Mar94, Ser06, SL09b, SW10b, Wil09, vddDA12, Attk94, Bia94]. **Pine** [WP98]. **Pinhole** [LJ08]. **Pinwheel** [GVP06]. **Pipe** [Egg18]. **Pipeline** [BCT05]. **Pipelined** [CRS+$^+$18, SSM16]. **Pitaevskii** [DK10, DP17]. **Pitching** [GSW17]. **Pitfalls** [AR99, BP97a]. **Pivoted** [KO99]. **Pivoting** [ADGP07, DG17b, GD07, GCD18, MOHvdG17, QOSB98, EL93, Wri93]. **Pivots** [May08]. **Pixels** [HLMR96]. **Plain** [GLL+$^+$14]. **Planar** [Bar14, EL01, EL03, GGM01, JLY08, LC05a, LC08, MCT+$^+$05, OR18]. **Planck** [LM05b, CK17, DKO12, KP10, Kus00, LMM18, LY14, ZLTA15]. **Plane** [BM11, BR14, HY14, HZ16, HL17, HSSZ09, LDM00, MCB18, MK96]. **Plane-Wave** [HY14]. **Planet** [KY14]. **Planetary** [LP08]. **Planning** [EMK94]. **Plasma** [HB04, HL10, KM98, PH13, SNB08]. **Plasmas** [WMC11]. **Plastic** [LXK08]. **Plate** [GSV18, LS94]. **Platform** [DTT+$^+$16, NKTY08]. **Platforms** [GCB15]. **PlayStation** [NKTY08]. **Plumes** [PL06]. **Plus**
[HSTH18, TVV11, VN10, CJ93, NP10].

**PML** [PDTVM08]. **POD**
[BBH18, LV13, SPKB13, TVV11]. **Poincaré**
[LDS11, Nat95, Nat97]. **Point**
[ACCO00, And99, BSSW13, BHT09, BNP15, BM01b, CWCO8, CZ13, CM15, CD01, CWY17, CSM10, CFM98, DH03, DTV13, DW05a, DGSW10, Dmr97, DS16, EG18, For06, G12, GHKS14, HM98, IM98, JBL18, KBV09, KS94, KK02a, Kla98b, Kla98c, KM16, KOV15, Krz01, KN97, LZ13a, L03, LS03, LW04, MR09, Pla98, PBJ96, RG07, RH09, RO08a, RO08b, SBK18, ST14b, SY08, SW15, Van00, Ver96, WLE00, WLZ18, WW03, ZMK17, ZY05, ZH09, ZW16, dMHJ100, Hig93].

**Points**
[AS16, BLS14, BR14, Der08, EU09, GK12, GI17, Gro02, GNY18, KL15, KM05, LCH09, LZ02, MRSS14, MR18, PHJ11, SX16b, SWa02, TT06, XZ14, YZ05, ZZ16].

**Points-Based**
[MR18]. **Pointwise**
[Cai95].

**Poisson**
[AL99a, AIV98, ABI00, AO93, BCR11, BG10, BK10, Bur97, CCM05, CK01, Cha18, EL18, EG01, FDS13, GH18, GMSB16, GHST98, KO13, MV17, WM12].

**Poisson-type**
[AO93]. **PoKiTT**
[YS16].

**Polar**
[For95, LWCL03, TWW16, WTW17, AS16, She97]. **Polarized**
[ZND18].

**Pole**
[DLY14]. **Poles**
[BM01b, RO08a].

**Policy**
[AFL15]. **Pollution**
[PC07].

**Polyalgorithmic**
[EGKS94]. **Polycrystals**
[BEG*08]. **Polylocal**
[DFW07, LTW18, Tal15, TC12, ZF14, ZP18].

**Polygons**
[BT03b, BB10, BO06, Van13].

**Polyharmonic**
[SSW17]. **Polylog**
[HV1995]. **Polymeric**
[KP10]. **Polynomial**
[AD18a, AC95, AVW13, Bar00, BD11, CR16, CAS11, CJG15, DG508, DNP04, DEV16, FUNB18, FEL18, GI17, G17, GRE03, GNY18, H10L, HC18, JNZ17, JP16, Jou94, KK18, KOSB16, L03b, LHN96, LXV16, LM15b, LCL18, LK04, MNvST13, NX13, PSDF12, PH16, Pot01, SD10, SV11, SM15, WK06, WXS17, XK02, ZCK12, FF94].

**Polynomial-Degree-Robust**
[DEV16].

**Polynomials**
[BMF12, BDMFSL04, Car10, DP09, DAE02, Goe94, HKYY16, KT15, Kei09, KP07, LX08, Lin06, PDA09, UW94, Win06, She94, She95].

**Polytope**
[CL08]. **Population**
[AW18, Kim05, KW10b, PSB06].

**Poroelastic**
[LO14, Lem16]. **Poroelastic-Fluid**
[LO14, Lem16].

**Poroelasticity**
[BBKT15]. **Porosity**
[AHT17, HQ16]. **Porous**
[AE08, AB17, AD18b, AHR12, BC09b, BEM17, BKBT18, CFGM11, CDF18b, CDB13, CCH15, FHR14, GYZ11, GJP14, GI17, JMN01, LVWV03, LE10, LY98, LRGO17, MJR05, SL02, TTS10, WLE00, WZET13, WPT17, YY16, ZT17].

**Port**
[CBG16, RW97]. **Port-Hamiltonian**
[CBG16]. **Portability**
[PC17].

**Portioned**
[PY013]. **Posed**
[Bur13, Bur14, KO99, Lan10, LM17, NM13, Reg96, RS02, TO15, VW94, FCR93, HR96, HO93].

**Position**
[vSRV11]. **Position-Dependent**
[vSRV11]. **Positioning**
[CP07b, KKK17].

**Positive**
[BGLY05, BGM13, BM08, FEM08, HM10b, JG10, LL98a, Lu95, MV00, MB99, Ng00, Pla15, PS01, ST14a, SO18, VSS14, WS18, Zha96, LWZ18, FS96, FF94].

**Positive-Definite**
[BGLY05]. **Positivity**
[ABR17, CLTX15, GW15, LLLX16, PH13, QS18, Sur00, UW94, YCS16].

**Positivity-Preserving**
[ABR17, CLTX15, GW15, LLLX16, QS18, Sur00, YCS16].

**Possibly**
[Hei17]. **Post**
[RSA05].

**Postbuckling**
[DP03]. **Posterior**
[BSH14, VBA18, WBGT18]. **Posteriori**
[ABF99, AOR18, ATK12, BPS14b, BDW11, CP04, CP03a, CK03, CP07, Cha18, CCH15, CG10, CHH01, CSM14, Dd10, GSV18, JSV10, KS99, L17, PS10b, WW11, WRS18, WLL18, WBTG18, WW10, WSH14, WvZS18, ZHS10].
BBT11, DEV16, EV13, EMT09, Hof04, Sch03, TW13b. Postprocessed [Vil15].

Postprocessing [ABCP08, CRKRS07, DK98].

Potential [BS06b, CGK 98, HM98, HA17, HR98b, LZ17b, MRT00, NKLW94, RLM+00, WK18, aKT18, WM93]. Potentialities [MM98]. Potentials [BS06b, CGK 98, HM98, HA17, HR98b, LZ17b, MRT00, NKLW94, RLM+00, WK18, aKT18, WM93].

Power [ALRT17, DSC05, PBV18, TW17, YPHH17, CW93]. Power-Law [TW17].

Powers [KKK18]. Practical [GP16, Ruh98, SH01, Sun93]. Practice [CDW14a, CDW14b].

Prandtl [Pup99]. Precalculated [RY03]. Precision [JM18, Nie06, PQOB14, YTD15].

Precisions [CH18]. Precondition [DGK+16]. Preconditioned [ABF96, ALJ99, ADGP07, BCGR98, BHN07, BBFJ16, Bia94, BDE08, BMMT14, BD05, CK02, CCSY98, CS14, DEC05, GM17, GH02, GY99, GY02, GD07, GP96, HCHS13, HYC16, JvGVS13, KR99, Knv01, KAL007, KL12, KSV16, Le 09, LE17, LLX15, LK15, LMW15b, MS07c, MB17, NKLW94, NAC+15, Ng00, Pav98, PT01, RG13, SMZ18, ST17b, Sem10, Sta07, SM07, DH16, SLC01, SVX15, UA07, VK15, VYX16, WOW00, WWJJ12, WS15, WRS17, Xue18, Yan94, YBM+18, vGEV07, Jin95, Saa93, ST94].

Preconditioner [AVBTG17, BJNN02, BDGK18, BDdSM11, BBM11, BGM13, BMT96, BT98, BT03c, Ber00a, BGS09, BLM03, CS98, CGDS05, CBG12, CC02, CWX15, CG17, CPD17, CST+13, DML05, DFG15, DKXS18, Doh03, EOV05, GM15a, GrM10, HC05, HKV18, JFG10, JKKM01, KR14, KLW02, KL05, KL06, Kla98c, LS05a, LY13, LY16, LY18, MT96, MW13, NV05, NSK10, OW98, PEC+14, PELY13, PV15, QSV06, RT01, RG07, Reu99, RSG17, Saa96, SZ99, ST08, SRI+15, SV00, TDTF03, UH10, VV13, Vir07, WGB97, XS17, XQ94, ZNZ16, Ain96].

Preconditioners [BN05, BC10, BPS+14a, BT00a, BW11, BS05f, Bre00, BT01, BEM17, CDBH16, CDG03, CGL01, Cas97, CS98, Cho00, DDMQ18, DW05a, EHS+05, EHS+07, EN16, EPV94, FV01, GL08, GSH0b, GKS98, Gup17, HM06, HO94, HSTH18, HKD13, HGK97, HZ16, HL17, K099, Kla98b, KOUV15, Krz01, KNV+16, Lee09, LS13b, LNC05, LSS03, LW04, MG11, MKSG10, MNI07, MSS10, Mu95, NK13, NP10, OV07, Ong97, PS08, PWZ10, PS11a, PSC+16, PSC18, PS01, PC07, RWKW14, RWKK15, RS03, ST16a, ST14b, Sta97, SO97, Tau96, WGS17, dVPS+17, dSL05, CT94, CC96, CMV97, DLG07, EG93, HO96a, Huc93, Sch93].

Preconditioning [ABH03, AL99a, And16, And17, AD15, AA02, BSvD99, BHT00, BCT00, Bla03, BS15b, Bre96, BW01, BCM03, BH14b, CGQ10, CG99, CGG07, CW18, CMS17, Che98, Che13, CLS16, CM99, CST16, Di 97, DGK+16, DGSW10, EHL06, Elb06, Elm99, EF15, FFS07, FSS13, GNL14, GLOR16, GH97, GG10, HS06a, HSTC04, Ips01, INS05, JNZ17, JF11, JFG13, JFG15, JZ13, Jou94, Kan03b, KR12a, KVMI01, KTL16, KT08, Kra12, KLL+16, KT17, Lan10, LMW17, LKK18, MG07, MG09, Mal07, MV94, MPW18, MS93b, MMA98, MR94, MGW00, NV98, Not00b, Obs07, OKLS15, PKNS14, Pel18, PS11b, PP08b, PMH+16, PST15, PMSB12, PS12, PV94, PV95, QS08a, RT10, RW11, RW04, Saa03, SSW08, ST16b, SBX+08, SM18, SW03, SCGT07, Sta94, SV01, TT07, VK13, VSS14, WZ03].

Predict [ABH03, AL99a, And16, And17, AD15, AA02, BSvD99, BHT00, BCT00, Bla03, BS15b, Bre96, BW01, BCM03, BH14b, CGQ10, CG99, CGG07, CW18, CMS17, Che98, Che13, CLS16, CM99, CST16, Di 97, DGK+16, DGSW10, EHL06, Elb06, Elm99, EF15, FFS07, FSS13, GNL14, GLOR16, GH97, GG10, HS06a, HSTC04, Ips01, INS05, JNZ17, JF11, JFG13, JFG15, JZ13, Jou94, Kan03b, KR12a, KVMI01, KTL16, KT08, Kra12, KLL+16, KT17, Lan10, LMW17, LKK18, MG07, MG09, Mal07, MV94, MPW18, MS93b, MMA98, MR94, MGW00, NV98, Not00b, Obs07, OKLS15, PKNS14, Pel18, PS11b, PP08b, PMH+16, PST15, PMSB12, PS12, PV94, PV95, QS08a, RT10, RW11, RW04, Saa03, SSW08, ST16b, SBX+08, SM18, SW03, SCGT07, Sta94, SV01, TT07, VK13, VSS14, WZ03].

Predictive [BGMW17, HKC+04, NMFP16, Oli01].

preprocessing [BZ93]. Prescribed [BCT07]. Presence [ASZ07, BN98a, SW15]. Preservation [CHAMR06, CW06, Jay98, KW10b, PH13]. Preserving [ADR14, AH17, ABR17, ALT93, BH14a, BG10, BSMM16, BM08, BLR14, CTB15, CGK13, CCSV98, CBG16,Chr09, CLTX15, CS10c, CDN16, D011, DLV17, DPs18, EKLS+18, FM11, FCM12, GW15, GPSY17, GNP18, GY17, HMLH18, HLM03, JX13, Jn99, JS10, JW13, JLP18, Ket08, KC16, KEF11, LCT13, LM08, LR99, LI01, LW16, LXL16, LX16a, LXL11, MR17, MW01, MS07e, MR01, MBA+14, PSC18, QK18, SY18, Sur00, SF99, XQX15, YJ13, YCS16, BM17b, LS12a, Tor05].

Pressure [BCM15a, EZ11, GP99, KSMM18, KL10, LY98, OGO13, OGO16, RW07, SMZ18, SCS04]. Pressure-Temperature [SMZ18]. Pressureless [BCM15a]. Prices [WWH17]. Pricing [FO08, HW14b, HFL11, IT09a, IT14, IT09b, LCD18, LZ16, LFB008, OGO13, OGO16, RW07, RO12, ZK14e].

Priest [Nie06]. Primal [ACCO00, BDGK18, CGM99, DFG15, HS06d, HSW08, IMS96, KL10, KR06, KM16, LM03, PLA98, WvdZsvB18, Zam16, dVPS+17, Kor93]. Primal-Dual [ACCO00, CGM99, DFG15, HS06d, HSW08, IMS96, KM16, LM03].

Primary [BLGL11]. Prime [JF16].

Primitive [ADM10, HZXC16, NLH14].

PRIMME_SVDS [WRS17]. Principal [GH14, HMST11, LYLC17, Nt99, YPP17, ZZ04].

Principle [Bl09, FH06, Gar00, JX13, LS011, LI01, LXL16, LX14, SY18, XQX15, ZLS12].

Principles [AW11, OKF14].

Prior-conditioned [CPP+17]. Priori [CJ09, Cho00, DFP15, DG16, MRL+17].

Prior [CPP+17, WBS+17]. Prismatic [CDG17]. Probabilistic [GH15a, GR04, LD04]. Probabilities [GSS12, IM98, Wal14]. Probability [BP06, BTGH12, BJW18b, GDLS14, Gub96, KKRZ17, LX12, LX14, PSSW15, SG04, WK06, WI12b].

Probing [SLO13, vdBF08]. Problem [AHT12, AOR18, AMi94, ACW12, AHDK14, AHR12, BMV18, Bar12b, BBG04, BC06, BK08, BACF08, BO06, Ber98a, BH11, BK00a, BBD16, BL99, BL03b, BLY00, BBR08, BCM15b, CR16, CGAD95, CK03, CGP12, CC08, CDY07b, CHM02, DS17, DFP11, DSZ13, ETVL17, ES17, FGS14, GH13, GKV00, GS12, GP09, GBO6b, GKI11b, GO09, HRT10, HLD12, HT13b, HJJ18e, HvdG96, HvdV03, JMM10, JMR17, KK02b, KL06, KL10, KL13a, Kup98, KL00b, LM05a, LL98a, Le 09, LR12, LLX15, LS05b, LPP09, MR04, MMT15, MRT00, MRW15, MV06, NH12, NWW97, OR02, OV07, OQYR18, PRS12, PVV11, PMH+16, PBJ+96, QOQP09, Rad16, RH09, RSA05, SS98, SHP07, SS10a, ST00, SSF16, TY08, TET10, TX17, TVV11, TD99, VP10, VV13, WWJ12, XYGO01, XYZ12, XK08].

Problems [ADR14, ABLS05, AN17, AL02, AC05, AB08a, ABF99, AEFM17, AA00, AFF+15, APS14, APS16, AS18, AVBTG17, AT07, AGH13, AF15, AHDK14, AH04, AH06, AH12, AD15, AP99, BS07, BKGV16, BH14a, BCS07, BLV18, BDS98, Ban08a, BL03a, BSHL14, BBC+01, BLV17, Bar14, BBG04, BFO16, BK15, BGM13, BEE18, BCC+15, BB15a, BSvD99, BT03c, BPI3a, BHNPR07, BL14, BK06, BM01b, BYL13, BF95, BFK03, BF06, BDF08, BB05, BF14, BH08, BvW09, BLR14, BM+15, BQR18, BS99b, BT13, BOu01, BVCC10, BCL99, BM95b, BDK12, BL08b, BMM+10, BMHT14, BWZ10, BH07, BDR18, BP06, BHR96, BS98, BTGH12, BTGMS13, Bur13, Bur14, BG13, BG04, BGMW17,
BJW18b, BJW18a, Cab94, CW07, CL11, CSS09, CGKM16, CDG17, CPV95, CEJ+10, CPB13, CGR14, Cas05, CCER12.

Problems

[CT03, CW17, CGG+14, CKY98, CD02, CJY16, CJ05a, CKV99, CY17, CG10, CK98, CN10, CCO11, CEO11, CS17, CBK18, CHH10, CDG+09, CS12, CM99, CGM00b, CDGTO1, CDN16, CP17, CDFQ11, DMS01, DN13, DF15, DD00, Ded10, Der08, DH95, DLTZ06, DQG13, DEV16, DKO12, DKZ09, DLZ10, DJIZ96, DK03, EKM94, EOV05, EN08, EGKS94, EPSU09, EK14, EK10, EHV00, EMN09, EPV94, FGMP13, FGMP14a, FGMP14b, Fai03, FM17, rFS12, FH06, FTY15, FL97, FM98, FDS13, FWA+11, FS02, FK00b, FS11, For06, GJ17, GJSZ13, GG13, GN16, GX16a, Gar05, GU17, GH02, GK03, GK18, GvdV17, GHH07, GV12, Gia18, GGK+04a, GYO2, GPHHAPR18, GHN01, GH99, GT94, G199, GHR12, GHR13, GMS18, GM00a, GLOR16, GV09, Gu15, GVMM14, HA01, HCM17, HR96, HSB12, HSWW08, HMM+13.

Problems

[HS06b, HD06, HJ18b, HM14, HTW+12, HL10, HLT16, H005, HXX18, HR99b, HS01a, HKD13, HY10, HR99c, HT10, HLM16, HGW07, HSW08, HCMC04, HV07, HLM03, IM97, JKM14, JR98, KK19, KLV+16, KB08, KR14, KCL16, KLS+15, KS94, KPT16, KMA12, KZ00, KMW99, KO99, KGR16, Kla98b, Kla98c, Kna98, KLT16, KV12b, KL12, KC16, KH18, KG14, Kra08, KTO8, KLL+16, Kra09, KSN14, Krrz01, KBB17, Kus97, KGT07, LP11, LP13, LV07, Lan10, Lan94, LQR12, Lay96, LP96, LMR98, LS13a, LV10, LG97, Lec13b, LLW16, LM17, LN05, LI01, LWCL03, LLZ08, LM14a, LQX14, LXV+16, LZ17b, LGW10, LMT18, L003, LSV13, LW03, LSS03, LLZ15, LSZ17, LT14, LW04, LWK+16, LK98, MPS18, MS07b, MM13, MAB007, MS07d, MG11, MRV18, Mar01, MV94].

Problems

[MWB12, MSS10, MS06a, MG12, MMS05, MR18, MMN00, MMV98, Mu99, MHS98, NHH13, NN03, NRMQ13, NWY10, Nvd00, Nor07, Obe13, OB08, Ols07, OW98, PL03, PE00, PKR+13, Par17, PKD13, Pat97, PW12, Pav98, PS13, PP08a, PP05, PSA99, PMSG14, Pet05, Pic03, Pol16, PS10b, PST15, PMSB12, PRSS11, PV94, PV95, PBC05, QX08, QZZ14, RP01, RKL18, Reg96, RW07, RW13, RVN17, RS03, RL13, RS02, RKvdDA14, RSG17, RSSZ08, RCC18, SP03, SG11, Sch02, SSW18, SBS98, ST17b, Sco17, SIS96, SY10b, SW16, Sla02, SK05, SSC+15, SCW+17, Sta97, Sta00, SMBR18, TT96a, TO15, TUV10, TW17, TPB17, Tsy99, UEE12, VMM13, VC00, VSBH99, VV94, VPP05, Wa99, WL04, WR13, WZ18, WX99, Wan04, WS05, Wan12, WH15, WBS+17, WTG18].

Problems

[War13, WO98, Wat04, WCHZ14, WW10, WW03, WB08b, WK03, WC17, XEG06, XLS18, XBM16, Xue18, YG15, YZ11, YBH15, YYS16, YHC16, Yav98, Yu01, YYYY11, Zbi11, ZGA10, ZSL99, ZL98, vD03, vdDA12, vdZvB10a, vdZvB10b, BR95, Cal93, Cal94, CV93, Dax93, DLG97, DG95, FCR93, Gar96, HO93, Li94, MM+95, MM96, MS93b, PCDB96, Rán93, SBC93, Smi93, WrI93].

Procedure

[BGR10, CD15a, Den97b, rFS12, KLY07, MT99, YYYY11, ZW16, Gar96].

Procedures

[AAD11, Dur16, HS99a, SP16].

Process

[AO07, ACW12, BF01, BTGH12, IT09a, PSB+06, ZS00, SB13].

Processes

[AM05, BRBT12, CK17, DN+04, DN97, EFHL09, LFBO08, PS13, RPK18, ZK14c, ZK15, Zim13].

Processing

[BBFJ16, BCR99, BCM05, GMS02, HK00, Hen05a, KMSM14, LRT11, Nov15, RSA05, SP03, WHC13, WBFA09].

Processor

[CDF98, OA93].

Processors

[KHW+14, Heg95].

Procrustes

[BL99, BL03b].

Product

[Beu05, CWC08, CS96, DO15, DCP11, FT03,
Quadrature-Based [DGB15a].
Quadrature-Sparsification [GS18].
Quadratures [BWV15, BGR10, Car07, GNZC17, Wen08, Won16, YR98].
Quadrilaterals [D’A00, HRV11].
Qualified [LCL18].
Qualities [Hua05].
Quality [Ber98b, CPT05, CC06, CC11, E ¨U09, HR98a, Joe95, KK98, Knu01, LC05a, LC08, LJ95, Wal13].
Quantics [OT11].
Quantification [Bar12a, BF16, BZ11, CPP+17, CK07, DLY17, BJ01, BF16, BvW09, BCV13, CJGX15, DHP17, DW15a, EPSU09, GS14, Hri03, Hri05, HTH+16, IK10, JK12, JLP18, KKV13, Kaw15, LSW02, Lan94, LLZ15, LK04, MNvST13, MC94, MNZ15, OVV17, PS12, RDB16, RNR16, SM94, SG04, SM15, TZ14, TG04, TCCK18, UEE12, Ver96, WR13, WZ18, Wi12b, XH05, XT06, YCZ13, YR12, ZRK15, ZS04, LL94, YGCP96].
Random-Sampling [BCV13].
Randomization [DLY17, Gu15, MOHvdG17].
Randomize [BSHL14, WBS+17].
Randomize-Then-Optimize
Randomized [BSHL14, WBS+17]. Randomized [BW18, BS18b, CRT11, CWD13, DG17b, GLR+16, GNZC17, HNR17, LL03b, LXdh16, Mar16, MV16, RDB16, SX17, WBTG18, WSX17, XXdH+17]. Randomly [EMT09, LZ04]. Range [BFJ+15, BKK18].

Random Separated [BKK18]. Randomly [EMT09, LZ04]. Range [BFJ+15, BKK18].

Range [BFJ+15, BKK18]. Randomized [BW18, BS18b, CRT11, CWD13, DG17b, GLR+16, GNZC17, HNR17, LL03b, LXdh16, Mar16, MV16, RDB16, SX17, WBTG18, WSX17, XXdH+17]. Randomly [EMT09, LZ04]. Range [BFJ+15, BKK18].

Range-Separated [BKK18]. Range [BFJ+15, BKK18].

Range-Deficient [PRM97, QOQP09, Sco17, Wan97]. Range-One [AP01, WLL+15].

Rank-Deficient [PRM97, QOQP09, Sco17, Wan97]. Rank-One [AP01, WLL+15].


Ratchet [BBM+08]. Rate [AdvC00, NN12]. Rate-Based [AdvC00]. Rates [BF13, Kol99, Red99, Ros05a]. Ratio [Bar12b, Le 01]. Rational [AH18, An17, AT15, BG17a, BG17b, BM01b, BHK14, CMM95, DP07, DGB15b, DKZ09, DLZ10, FNTB18, FS08, GSS12, GVMM14, HO18, KXS18, NIST18, Ruh98, TT06, VMM13, XS16, XS17, ZFwCW15].

Rational-Order [HO18]. Ratios [DV98, GST12]. Raviart [Ain07]. Ray [GHS+09, HFL+16, JBL18, KLS08, LB06]. Rayleigh [BLV18, HvdV03, Ste02]. Rays [SCM10].

RBF [LSW17, AF15, KCL16, KW11]. RD [BFJ+15]. REA [Vog16]. Reaction [AN17, ABR17, BOR97, BHK12, CLST03, CDG+09, CE16, DMD+12, EO15, EO16a, EFHL09, FDE+06, GHH07, GK13, HG98, HKF+13, HS16, KBB+08, KW13, LSW17, Mtv16, MPS09, PDH09, PS08, PS13, QDKW18, RC06, SDNL10, SBP04, SM94, TTM08, TK13, TM14, VS04, WL01, WRSZ18, Zbi11, ZRTK12].

Reaction-Diffusion [BHK12, CLST03, EFHL09, FDE+06, KBK+08, LSW17, MPS09, PS08, PS13, RC06, SM94, TTM08, TK13, WRSZ18]. Reaction-Induced [KW13]. Reaction-splitting [MTV16]. Reactive [APvDG12, Dor98, KW13, MMS05].


Recipe [VC11U10]. Recirculating [OW00, BY93]. Recombining [BM95b].

Recompression [KP17]. Reconstruction [AGI10, ADH99, AS06, ABB+04, BV03, Bar12a, BNFS13, CCSS03, Che05, CNJ13, CMV05, DGP10, DB07, DF03, GN14, GJ05, GB12, GHS+09, HHMS15, HLMR06, Jac03, KTB14, KHKL16, LFBI3, LFJS14, Mar94, NYY10, SH14, TBKF14, WYG10, WKM+07, DG95]. Reconstructions [AS05, MS03]. Recovering [AIL05, CIZ18]. Recovery [AH06, BS08, DCS010, GP16, DMGF17, HL18, LCBD07, MZWG16, NZZ06, NWY11, NN05, NNT13, PABG11, SSF16, ZD95].

Recovery-Based [SSF16]. Rectangular [AIV98, APc04, BAFC08, BF06, CKV99, DO15, HK00, Sar98, TX17, UA04, VN03]. Rectilinear [Zen16]. Recurrences [BF01, FN94, RG98]. Recurrent [Wan97].
Recursions [GD03, LCJ96]. Recursive [AKA13a, HG12, IBWG15, JP16, LY16, NSJ03, Rui12, ST97, TPW09, ZTRK14, NP96]. Recursive-Based [NSJ03].


Redistancing [EE14, NKM10, SF99]. Redistancing/Level [NKM10]. Redistributed [AD06]. Redistribution [KY05, MRSS14, ROM18]. Reduced [AB17, AF11, AK04, BKGV16, BK16, BEE18, BGL06b, CDBH16, CHMR10, CST+13, DDMQ18, Ded10, DHO12, EPR10, EF15, GV12, GV98, GM11, HJ18b, HSZ12, KP10, LQR12, LM14b, LM14c, MR04, MS13, MMT15, NRMQ13, OKdSG17, OS14, OS15, PGW17, PS10b, PSS17, QGVW17, Rav02, RMC12, San10, SDNL10, SBK18, SPKB13, SH07, VP14, WM05, WSH14, XBC16, XMR18, YY916, Yan14, Yan18, Zim14].

Reduced-Order [AF11, BGL06b, GM11, LM14b, LM14c, Rav02, SBK18, SPKB13, SH07, WM05, Zim14]. Reduced-Space [YYS16]. Reducing [AGL10, BSH16, BFG+16, CWC08, ÇAK11, DSRMK17, YL93, Lan93, SS93b].

Reduction [AKK18, AH17, AdSGC12, ABdSF15, ABST13, AK17, AP97, AN16, AG16, ABTZ14, BS05a, BPR04, BB08a, BBBG11, BB15b, Ber98a, BFN17, BK17, BK11, BS18b, BTWG08, CTB15, CCJ07, CS10a, CBG16, CGHT14, DKPS17, DLZ10, DSZ13, EKL+18, EQ15, EQ16a, FMOS17, FSvdV98b, GSO17, GOS12a, GPA18, GHI4, GSW13, HKO99, HSS08, HSO1b, IT14, IA14, KA95, KT15, LU17, LS13a, LE17, LWG10, LHR+18, LYL17, MRS16, MS18b, NG18, OS14, PW15, PM16, Reu99, SvG10a, Sma04, SBMR18, TLN14, WWH17, ZBFN17, ZZ04, ZFBL15, ZCC+16, ZS04, dSGK+15, CMV97, MS93a].

Reductions [ML11]. Reference [LLZ09]. Reficientlib [BB17]. Refined [GHH07, HG00, JN10, Lec14, RKL07, Sha99, Wan01, Ain96]. Refinement [ABKS16, AHK+17, AMM+11, ABH03, BB17, BBSW94, BMV11, BW11, CH17, CH18, Cha18, CC06, CC09, CC12b, DLY17, Dux03, DDGS16, EPV94, FR10, FCC10, FHL13, GT98, GR05b, HM08, HO15, JTZ08, JP97, LC05a, LJ95, Mau95, Ong94, PP05, SBK18, SR18, SL09a, SSB08, TB99a, Tra95, WC00, WCH14, Wi12, ZJC12, ZAD+16, Zie12, TV93].

Reflection [JLY08, Mau95, PDC99]. Reflector [PTvR+14]. Reformulation [BHST08, Du16, You94]. Reflective [TBKF14]. Regime [BS18a, FCZE14, HH11, HFL11, JW13].

Regimes [BJS03, Lee10a]. Region [CC12b, GTK+17, KHRvBW13, KHRvBW14, NNH99, Paa98, QGVW17, RS02, SKJ+13, YMW07, ZS18, dSK11, Sar97].

Region-Dependent [SKJ+13]. Regions [AL99a, And08, AHT17, A1V98, DP98, GM98, LC14, NAS13, WRS08, ZSB16].

Registration [BMR13, HM05, HMM07, HM08, HW03, HDB08, KRDL18, MR17, MB17].

Regression [ABE+17, BGM09, GLSTV16, HRR17, Hei13, KB18, NMF16, SX16b, Str93, TTY16, YMM14, You94, LL98b].

Regular [JLY08, NL99, Zha18a, Gu93].

Regularity [BH07]. Regularization [AL97, AL99b, BC02, BDR18, BMR13, CDBH16, CR04, CT03, CLNZ16, COE11, CKO15, CP15b, CJK10, FGHO97, FM99, GG18, HR96, Han95, HW01, HA08, Hwa07, JRT11, IL16, JG02, KHE07, K017, LFB13, LM17, LLL08, Man99, NNT13, O’L01, PRM97, Reg96, RVA17, RS02, Sco17, SWU16, SJD14, TY08, DG95, FCR93, HO93].

Regularization-Sensitive [Hwa07].

Regularized [APS14, BCC+15, BMV13, CL10, C1Y16, CGM00b, Cor01, ES18b, HJLZ18, KO99, KL00b, Lan10, NP14, Str00a, TWK18].
WMUZ13, XKWY08, ZCC⁺¹⁶, dSK11].

Regularizing [DSC05]. Regulator [MPS18]. Reinforcement [GHK14].

Reinitialization [GB98]. Reissner [CG07].

Rejection [HGP04]. Related [BGN08, BtVCG⁺¹⁰, DG98, FK00b, FT03, HHSW11, KK09, Son12]. Relation [Gas13, Le05]. Relations [GPS12].

Relative [DP09]. Relatively [BDvdG05]. Relativistic [DW97b, NH14, WT16, Mc-G95].

Relaxation [AK09, ADM10, BCT05, BM08, BR09, BLR14, BF10, BCK⁺¹⁸, CPH14, CNP12, CCM08, CCR12, EHN12, FMB13, GS98a, GR05a, GR17, HPS06, HV96, In99, IMS96, Jv96, JF95, LW97, Mar09, Mu99, RL17, RWA95, SB98, SV00, TZ95, Ver96, WH13, WX17, ZLWZ18, ZKV99, Dax93, Lei93, Pem93].

Relaxed [CEHN08, GGL07, MMN00, PR01, TPW09].

Relaxing [CKQ14]. Relevance [BZ12].

Reliability [MS06b, SE13]. Reliable [CF00, CVW06, GS02a, SE11]. Remap [BCV13]. Remapping [GTK⁺¹⁷, LL08, MCV17, WMC11, WMC12]. Remapping-Based [LL08]. Remaps [CRR18]. Remark [Goe94]. Remarks [BAFF00, XQ94]. Remeshed [CKQ14].

Remeshing [DFS17]. Removal [CC08, MO00, AGC96]. Removing [PC07].

Reordering [LM05a, OKLS15].

Reorderings [Saa05].

Reorthogonalization [GL03]. Repeated [HTH⁺¹⁶]. Repetition [WMI09].

Replacement [vdVY00]. Representation [CC03, DGS08, DCSO10, Ett16, Li99, LJ17, SDNL10, TW03]. Representations [AAB⁺¹⁵b, BDvdG05, BD05, CML⁺¹⁸a, DLY17, DNP⁺⁰⁴, FNTB18, IK10, MC09, PSDF12, PSC⁺¹⁶, PH16, SG04, SW10b].

Represented [Zha18a]. Reproducible [DTT⁺¹⁶]. Reproducing [TY08, XKWY08, DR93a]. Requirement [BBSV10]. Requirements [BT03c].

Rescaled [DFQ14]. Rescaling [BM00].

Research [GL10, JF11]. Reservoir [BLV17, ICCVEKV17, SCS04, DS95a].

Residual [AB02, ADR14, AT17, BC09a, BGH13, CW12, EG18, HS17, HY10, KMW15, KA95, LRS02, Lin06, LN04, LD03, NFPF18, NM13, PS02, PMR16, Rad16, SV01, Ton94, VK15, VYX16, ZW94, vdVY00, Bia94, CGS⁺⁰⁹, Ena97, Fre93].

Residual-Based [KMW15]. Residual-Free [HY10]. Residuals [LRS02, vdVY00].

Resilience [HGRW16]. Resilient [AGSZ16, SRM⁺¹⁵]. Resistive [AMMR10, AMM⁺¹⁰, ABM⁺¹³, ABC⁺¹⁶, CST⁺¹³, PSC⁺¹⁶]. Resistivity [DSZ13, PDTVM08, vdDA12]. Resolution [AMVR17, ANP00, BAFF00, CCSS03, DHE13, DMD⁺¹², FHL13, FM07, Gob08, HBL05, Kup98, Ld12, LNP⁺⁰⁷, LS95, LFB13, LOL13, LT02, PL06, Ros06b, TW05, BSM16]. Resolution-Optimal [AMVR17]. Resolving [TT96a, TGS08].

RESPA [MIS03]. RESPA/Impulse [MIS03]. Response [BTGH12, CVK13, RS13, SSDN12].

Response-Excitation [CVK13].

Responses [Cab94, Lin06]. Resputtering [GST⁺⁹⁹]. Restart [AGSZ16, KLY07, LXX⁺¹⁶, TE07].

Restarted [ARMNW10, BCR03, BR05a, CGL⁺¹₂, DCP11, EPE05, FG98, JN10, SSW98, VL10].

Restarting [BGH13, GGPV10, Mee01, Mor02, MN11, RF07, SSW98]. Restoration [CCSS08, CGM99, CMM00, CJK10, EK10, FNNB05, FNB06, GY05, GRMS09, GLN09, HS06d, HLZ13, LTC13, NYW10, NP14, WNC08, ZWZ⁺¹³].

Restoring [BBSW16, NO98]. Restricted [CS99, CL11, HJN17, LS05a, PC07, SCG07].

Restriction [CCV14, MRS18]. Result [Van00]. Results [ABBM98b, CLMM00a, CLMM00b, CKS01, FGP13, FMM08, HRR9b, KR12a, KLRU17, ZLWZ18].
Resurrecting [Ros96]. Retarded [GJ07]. Retrieval [CLNZ16, EBSS+11, KBV09]. Revealing [GE96, SWW08, MV16]. Revenge [Den97a]. Reversibility’ [CK07]. Reversible [BLR99, Cas05, GL15, HS97, HS05a, KL00b]. Revisited [CKOR16, Day98, IHTR12, EBSS+11, KBV09]. Revisiting [Ban08b, CWL+14, KBV09]. Reweighted [RVA17]. Reynolds [BY93, DHE13, KV05, NH12, NH12]. Reynolds-Averaged [DHE13]. Rham [Kir14, PV08]. Riccati [BGL08, BBSW15, BSSW13, Gar97, MPS18, ZFwCW15]. Riccati-Based [BSSW13, BBSW15]. Richards [BLS14, BCV13, CZ10]. Richardson [Bia94, BGH13, PP12b, PP12c]. Ridge [HNR17, HC18, LTC13]. Ridgelet [MF06]. Riemann [BCLC97, BMSV97, DW97b, EOD93, GGK+04a, Gur04, Hwa07, LLD99, LL98a, MV06, Pe18, ST17a, SRCG93, Tor12]. Riemanian [CA16, CEOR18, DP17, HGZ17, KSV16, LYLC17, QZZ14, Ste16]. Right [ARMNW10, BCC198, CGL+13, CB98, HR05, KMR01, LN04, MN11, SG95, Soo16, SO10, CW97]. Right-Hand [ARMNW10, BCC198, CGL+13, HR05, KMR01, LN04, MN11, SG95, Soo16, SO10, CW97]. Rigid [BBBV13, BFC01, CFSZ08, FHH+18, JvGVS13, PM15, SU15, TUV10]. Rigid-Body [BBBV13]. Rigorous [JM18]. Rings [HR11]. Risk [GJM94, RVA17]. RIVISL [TET10]. RKDG [CII13, DY06]. RKFIT [BG17b]. RLE [SNB16]. Road [GPZ17]. Robin [ACF09, AK12, NV08, QX08]. Robinson [FKQS17, QS14]. Robot [EMK94]. Robust [AHZ17, ABB+16, AKM+14a, BLM18, BCT00, BT03c, BDvdG05, BR05b, BLGL11, BCM15a, Bol03, BB09, BMGMR01, CA16, DEV16, DSYG18, Egg18, EN16, GL13, GGLT00, GG05, GKT09, GLOR16, HHL15, HJLZ18, HL18, Jou94, KR14, KL12, LU17, LMW17, wLxY00, LX16b, MM13, MZGW16, NN17, Oet99, OR02, GO13, PBP14, RL17, RSNRR17, RX18, SM17, ST16b, SKF18, Slo02, WL97, WCS00, Wan07b, WWY09, Wat04, WGF08, Zam16, ZS04]. Robustness [CFH+00, Gup17, HJ98, LMR98, Man95, WI12a]. Rock [GYZ11, AC08]. Rod [LFWP08]. Roe [PP12b]. Role [Dur16]. Roosbroeck [Gàr09]. Root [CGS02, GGM01, MOSS17]. Root-Node [MOSS17]. Roots [BMV05, Bre17, GLR07, Goe94, KV96, KMOV15, LX08, PH16]. Rosenbrock [TS14, VSBH99]. Rostami [Gug16]. Rotated [HBL05]. Rotation [BL07a, DK10, DSRMK17, GD03, KV12a, Lan98, Mit08, OR02]. Rotation-Based [Lan98]. Rotational [BBBV13]. Rotationally [SK05]. Rotations [Drn97, GV13]. Rotor [XY05]. Rough [DHPI17, EL03, HHS+16]. Rounding [RW97, ROO08a, ROO08b, ZH09]. Routines [HJ18a]. Row [GGS05, GHS+15, GKN18, GCD18, Ol01, Dax93]. Row-Merge [Ol01]. Rows [HNR17]. Rule [BJW18a, CPP+17, GGI18, LNP15, SO15]. Rules [ALP99, CKN06, GM98, GPTV15, LL03b, MC05, Str95, WS06, W07b]. Run [HR98a]. Runge [AGC96, AM17, AGH00, BM17b, BR09, BPR13, BBM+15, BRW10, CS93b, CHAMR06, CGA95, Cos05, EM96, GM15, HM09, JH98, Ke08, KCB17, MNS07, McL07, MRS14, OS98, PT99, PPR05, PKD13, Pat97, Pir16, QSG05, QSG05, RM08b, SS93a, TVA02, TL12, TP99, VV05, VS04, Zbi11]. Running [DP09]. Runs [SSDN12]. S [AC08, PM03]. S-ROCK [AC08]. S-Transform [PM03]. SA [BFM+04, BM+10]. Saddle [BBW13, DW05a, DGSW10, EG18, GV12,
IM98, Kla98b, Kla98c, KOV15, Krf01, 
KNV+16, LSS03, LW04, PHJ11, RH09, 
SH14b, WW03]. **Saddle-Point**
[DW05a, DGSW10, EG18, KOV15, LW04, 
RH09, ST14b]. **SAI** [MG09]. **SALSA**
[FLM+05]. **Sample**
[BGMW17, Kaw15, Kaw17, KL94]. **Sampler**
[FL18]. **Samplers** [FP14]. **Sampling**
[AK15, AHDK14, ABCP08, AWA+18, 
BHH14, BBC18b, CIZ18, CGM00b, CHM02, 
CML+18b, DGS08, DHN17, EBSS11, 
GLR+16, GNYZ18, HJI17, JNZ17, JBL18, 
Kaw17, Kaw18, LLZ08, LLZ09, Mar16, 
MTM08, Mit08, MDG+18, DGS08, DHN17, 
GLR16, GNYZ18, HJI17, JNZ17, JBL18, 
Kaw17, LLZ08, LLZ09, Mar16, 
MTM08, Mit08, MDG+18, OKD16, OVV17, 
PF12, PHJ11, QDKW18, Sch10, Wall14, 
WBTG18, W12b, ZWH+14]. **Sandpiles**
[FW06]. **SART** [IJ08]. **SAT** [Gas13].

**Satisfying**
[ADM+15, Bre17, LLLX16, LY14, ZLS12].

**Saturated-Unsaturated** [FK97]. **Savart**
[PRM09, Ros06a]. **Saxton** [XS08].

**Scalability** [CFH+00, GRS+15, HJ98, PDE+17].

**Scalable** [APSG16, AVBTG17, BMP14, 
BDK18, BWG11, DTT+16, GTK+17, 
Gon15, KMA+12, KLR15, KPSS14, KC16, 
MZW09, MZWG16, MPS09, OFK14, PL12, 
PSC18, Sch10, WLX+13, XOMN10, YC14].

**Scalar** [ADR14, AHV18, CS18b, GGS08, 
Mar94, NMAB11, TLE12]. **Scale**
[AVBTG17, BCR03, BS05a, Ban08a, 
BSW13, BHT09, BPSV15, BT08, BB05, 
BCL99, BTW08, BTGH12, CEJ+10, CV15, 
CCQ16, CN10, CP15b, CS17, CSW10, 
DDMQ18, DJT08, DKZ09, EHL06, 
FWA+11, FB95, FGH+08, GLST16, 
GM00a, HMAS17, HPS08, KV13, LT09, 
LW10, MWBG12, OPR06, OFK14, PS18, 
PKR+13, RS02, RM08a, SBR06, SW08, 
SWB16, SR18, SSW12, SSJB17, Sim07, 
SVX15, VMG09, WM05, WT01, WRS17, 
Xue18, YPN+01, YGB+05, YMM14, ZYSL15, 
ZCC+16, BHP94, CV12, ST94, TW93].

**Scale-Bridging** [PKR+13]. **Scale-Free**
[KV13]. **Scaled** [BCP15, GMO14]. **Scales**
[BMP16, RDP08]. **Scaling** [ACdS+11, 
AMH12, BDM+18, BPS+14a, BCK16, KL15, 
ROM18, SIDR15, SJ14, K093].

**Scaling-Squaring** [SIDR15]. **Scalings**
[JLP18]. **Scanned** [KTB14]. **Scanning**
[BC06]. **Scattered**
[EO16b, ILW17, KP07, LLHF13, LR99].

**Scattering**
[AIR05, BL03a, BS05b, BB10, BC06, 
BHPR07, BER17, BCH12, BS06a, CCC18, 
CGM00b, CHM02, GH15b, HV07, JLY08, 
LAG14, LZ17a, Lee10a, LLZ08, MG07, 
MZ94, NS06, PS10b, Rah00, RZ03, SPS18, 
SM18, Zha18b, ZBL2, MMM+95, WM93].

**Scheduling** [AKK18, DGR+17, MDM15].

**Scheme** [AH18, AT17, ALRT17, AD18b, 
ANP00, Aru12, AR99, AB04, BM11, 
BCT05, BM16, BM08, BCF12, BF06, 
BFS16, BHK12, CCFP12, CFS05, CK15, 
CH94, C05a, yCWHJ12, CFJT18, CG06, 
CPR11, DW97a, DW98, DY06, DFS17, 
Dax03, DKKP14, DLV17, GLTS16, DB07, 
FKQS17, FF05, FCM12, GW15, GLST16, 
GGL01, GB06b, GG05, GX16b, HCR13, 
HJP04, HRS12, HLW13, JNZ17, JS10, 
KK98, KSM18, KQW04, Kup98, Kup01, 
KLO0a, KPW17, LNP+07, LE17, LS17, 
LM08, LPR02, LSV13, LX11, MAB007, 
MS06b, MW15, MEF09, Nat98, Pet01, PJ96, 
Q08b, RT03, Ros96, SZ06, SY08, Sl02, 
V04, WL97, WDE+99, Wan04, WD18, 
WT18, WM11, WT16, Xu99, YJ13, Yu01, 
dLRT09, McG95, ZzSpH14, N+14].

**Schemes**
[AB02, AB09, ADR14, AKPR08, AD06, 
BGL08, BLH02, BT06, BBC+01, BAFF00, 
BM08, BCF13, BPR99, BP12, BS04, BM10a, 
BM10b, BH08, BR09, BPR13, BHT11, BC99, 
BL03c, BL05, BC13, BKBT18, CFGM11, 
CZK15b, CZZK16, CPPR12, CEOR18, 
CHKM13, CCM08, CGK13, CGV18,
CLAT10, CYZ17, Chr09, CLTX15, CHL16a, CHL16b, DMBB10, DEP11, DBSR17, EF05, FGS14, FM11, FSvdV98a, FM13, FEM08, GB12, GC15, GZYW18, GW17, GKR16, HKYY16, HOY03, HS05b, HSWW08, HPS06, HS98, ILK05, Jia14, JT98, JP00, JSZ13, JW13, JZ16b, KS14, KW10b, KN01, KP07, KP90b, LD12, LS12a, LE10, LV13, LD98a, LSSZ11, LV10, LM05b, LM12, LPR00, LNSZ06, L01, LN03, LT00, LS03, LSL11, LY14, LP03, Lu95, MV09, MNS07, MB13, MMS05.

Schemes
[MR01, NN03, Nor07, OL98, PPR05, PKD13, Pet05, PP12b, PP12c, Pup03, QS03, RU01, Roe98, SL11, SWK14, ST14a, SY09, SY14, SY09, SY14, Ste00, Su00, TB99a, TW05, TSX17, Tor05, TKK16, VN03, VS03, WL01, WBA09, Win10, YHS07, YU16, ZS03, ZLS12, ZW03, ZFZ14, ZYL16, ZQ17, ZQ18, ZJ96, BH97, HS97, LK93, SS93b.

Schmidt
[CCJ07, GL03, Ste08].

Scholes
[iW11].

Schrödinger
[ADKM03, AKB11, BLM03, BCM11, BRu15, CC14a, CCJ07, CR14, DLY16, FJ99, GRPG01, KL13b, LZ17b, LWZ17, LZ18, Liv08, ZSpH14].

Schur
[BS05a, BG05a, BG05b, Bla03, CGL01, DS05a, DKX18, FCR03, HK18, HS07, Kra12, KKL16, LS05a, MG11, Mal07, MRT00, MMA98, MFP07, OV07, PE00, PSLG14, SS99, WB99].

Schur-Type
[PE00].

Schur-RAS
[LS05a].

Schwarz
[And08, ADM10, BT03b, Ban08b, BG08b, BC10, Bre09, Cai94, CGK98, CS99, CL11, CPW15, CC12a, DK11, DGG09, DK01, DL12, DEGL12, GMM02, GR05a, GK12, GX16a, GZ16, Gar96, GKV00, Gar05, GH99, GC97, HJN17, HR07, HK16, KC16, L194, LSC18, LSS15, Lui00, Liu01, Mar09, MPS09, PZ07, PS08, PS11a, PBC05, PC07, QX08, ST00, SCG07, ST96, TDF13, WB99, WH13, WX17, Zha94].

Schwinger
[ABIG16, LY18, ZNZ16].

Science
[JKR08, WRB15].

Score
[Ng94].

SDE
[UBE17, BM17a, SF14].

SDEs
[BG17, KS17, Vi15].

SDP
[BT08, LT09].

SDP-Based
[LT09].

Seamless
[GC17a].

Search
[CKX18, GL08, HKT01, LST07, OW02, Wan13, X16].

Searches
[COS06].

Second-Order
[AVZ13, ADW13, BBSW16, BS05a, BGN07, BB15a, BRE17, BLL07, Cas09, CK15, CYZ17, CM99, DM13a, DZ15, Del14, DG09, DAE02, DHP17, DKM14b, EIL01, GW15, GCT10, Gia18, GZ18, GZW18, GLT09, GNPT18, GdLP+18, HX13, HL09, HX11, KM11, KF09a, KF05, KCB17, KP05, Kup98, KP07, KL11, LP11, LZ18, LN03, MWY17, NL16, ÕB05, RL10, RM08a, ST03, TVA02, VSBB99, VI14, YL18, ZLT15, ZYSL15, ABCR03, Atk94, She94, She95].

second-
[She94, She95].

second-kind
[ABCR93].

Section
[Ben13, Ben15, Ben17, DJM16, GH07, KY14, TBC11].

Securities
[IT14].

Sediment
[BSS09].

Sedimentation
[BRBT12].

Segmental
[ABKS16].

Segmentation
[CMS06, DMN08, HHMDC18, LB07, LB08, ZC06].

Segmentations
[HLT16].

Segregated
[GNOR14, HSF07].

Segregation
[Boz09].

Seidel
[AM95, Day98, HR17, Ver94].

Seismic
[AKM14a, BU15, BTG13, MWBG12, PDC99, vLH14].

Selected
[LYL11, vLH10].

Selection
[Adv00, CZ13, DG16, JMNS16, Lin16, MS07a, SX16b, Wei99, YYW18, dVPS17].
Selective [GL03, Gup17, RT10]. Selector [WY12]. Self [Bou01, De 12b, GHK14, LY13, PDTVM08, PCL†16, WMUZ13, Sta97]. Self-Adaptive [PDTVM08, PCL†16]. Self-Consistent [LY13, WMUZ13]. Self-Learning [PDTVM08, PCL†16]. Self-Propelled [GHK14]. Selfadjoint [CPV95]. Semantic [ZS99]. Semi [ALJ99, ACF09, BT06, BCT05, BSMM16, BP13a, BF14, CF07, CMSS06, GC16a, GRL10, GX16b, HMR09, KS13, Kor15, LL02, Lay03, MB17, MO10, RG09, RLM+00, ZTBK18, dFL05, HO96a]. Semi-Discrete [BT06]. Semi-Implicit [ALJ99, ACF09, CMSS06, GRL10, GX16b, HMR09, LL02, Lay03, MB17, RLM+00, dFL05]. Semi-Toeplitz [HO96d]. Semianalytic [MS07e, Zha18a]. Semiblind [BDR18]. Semiclassical [BJM03, DG07, GJ08, JW13, Kla98a, Kla99, MT96, RW09, Sar98]. Semiconvergence [EHN12]. Semidefinite [Gri94, HGZ17, KOSB16, LWYxY18, ST14a]. Semi-Lagrangian [MS07f, Zha18a]. Semifinite [HO94, HO96b, HBS00]. Semiorthogonal [Ste02]. Semi-separable [BKK18]. Separable [BGM09, BF95, CN10, RT99, dBMZ11, DLG97]. Separated [BKK18]. Separately [AMHR15]. Separation [HCHS13, LJ17, SX11]. Separators [KPÇA12, MTTV98]. Sequence [HH13, KKV13, KA95]. Sequences [BRZ14, HHLL00, JK08, MC94, NHSS13, PdiSm†06, PV08, TT07, Vel93]. Sequential [AL97, AL99b, BDHS10, CGDDL12, DTV13, HS99a, LLL08, OK13, WRB+15, vdHCDD15]. Sequentially [dMGF17]. Serial [LSW02]. Serially [CDV07b]. Series [AM18, BS98, Bar00, Bar05, FO08, HT14a, HCHS13, Hor10, IK10, RO12, WM05]. Set [BP13a, BH11, COS06, CGS02, CDM†13, Cho09, FM07, GKL08, HSW08, KP11, KS13, KKK18, LST07, LYLC17, M000, MO10, NKM10, PVC17, PSDF12, PST15, QL06, RS00, SF99, TKW08, Vog16, Wen10, YS16, ZJX14, ZC06]. Set-Valued [PVC17]. Sets [CHX15, CWD13, FD03, HMLN11, LZ13b, MDC08, NZ13, PD15, PVK16, Zha18a]. Setting [OW02]. Several [EKM94, LW03, vdD03, HRH09]. Shadowing [CV94, HJ07, Van05, Van00]. Shape [DMN08]. Shakhov [CLQ12]. Shaking [GL15]. Shallow [AK09, AB+04, BB09, BM08, BP12, BL05, BT06, CLP08, FS01, FM11, GdLP+18, HK02, K09b, Lay03, Le 05, LR07, LP08, LSS11, Mar09, MSS12, RLC08, RLM+00, TC12, YCC10]. Shallow-Water [BP12, CLP08, Le 05, LR07, LP08, LSS11, RLC08, RLM+00, TC12]. Sham [DLY17, LY13, YMW07]. Shannon [OG016]. Shape [ACZ15, BCK12, CC12a, CDM†13, CGMV05, DD12, DMN08, GLL+15, GHKK15, GMV99, HT13b, HS06b, Haz08a, Haz08b, ISW18, MBGV16, PWF18, SSW18, Sch18, SW17, SSJB17, vdZvBd10b]. Shape-Linearization [vdZvBd10b].
AO93, BZ96, BR95, BH97, BHP94, CDH97, LV94, MCJN94, PCDB96, SRCG93, Tre97.

Solution-Based [Ber98b]. Solutions [APZ13, AEFM17, ADKM03, AFF+15, AA13, AHD14, AGH00, BGG15, Bet08, BK04, BV00, BS96b, BTT11, BJW18a, CZK15b, CZKK16, CEJ+10, CDF18a, CVX10, CK94, DTM05, DP03, Dut11, Ema10, ELtHR00, FS01, FBF15, FL02, Gär09, GGK+04a, GJN99, HX11, JP08, KKB02b, Kus00, LD03, LR98, MS07d, MKRK13, MRL+17, PL03, RL18, RO15b, SBP04, SE13, SB05, SK05, SMI10, VXC16, WXX04, WHL18, Wat04, XYD17, ZGA10, Zha96, vSRV11, vdBF08, vdDA12, TR93].

Solvability [CG95]. Solvation [BZ10]. Solve [CCF14, CFM98, EVLW17, FT03, GH13, Gar94, HP14, Hog13, PRS12, QZZ14, Sar98, VS17]. Solved [MG11]. Solvent [WSA16, XJS13]. Solver [AHK+17, AG18, AAI98, AI98, AMT10, BD10, BLD04a, BAC09, BL07a, BCF08, BPSV15, BG05a, BG05b, BCS11, BBD18, BIA99, BIA05, CB08, CGC+14, CPD17, DMS01, DW97b, DP10, EG01, Fie98, GH18, GLR+16, GM14a, GHST98, GS02b, Gur04, Hel11, Hen06, HD15, HG12, HG00, Hwa07, JMS16, KC215, KZ00, KM18, KV12b, KL12, Kor15, KR12b, LAC14, LLI16, LLO8, LB12, MR17, MB17, MM14, MK08, MSM14, OR02, OW08, PW08, PSS17, RT99, RLM+00, SBK13, ST17a, SO18, TET10, Tor12, VB07, WRS17, XJS12, XOMN10, YC14, BCLC97, EOD93, PTyr+14].

Solvers [AC04, AHZ17, AKS05, AGL13, BCK16, BHMX18, BD99b, BH07, BMV13, CR16, CER12, CM15, CDPC13, CR13, DS00, DMM004, DFN12, EGKS94, EPSU09, EG18, FGMP13, FGMP14a, FGMP14b, FFM96, GMS16, GGOY02, GRT05, GRS+15, GBO6a, GKS98, GS97, Hig95, HOS6b, HGRW16, JSV10, KA95, KW00, LMO0, LLO0, LD16, LXD16, LTI4, LCJ96, LGH+13, MO08, MS07c, MKSG10, MS06b, Mee01, PNW16, Pel18, PRR05, PPB13, PF94, PR96, PCD17, RDW10, RV10, ST16a, Sen10, SLCO1, UEE12, WZ15, ZGG17, BME93, BEM94, CN93, JS93, Lie93, She94, She95, vd97]. Solving [AFF+15, ACW12, AF15, ACD95, AH04, BS07, BBSV10, BW18, BK06, BFN17, BT97, BGG+03, BH08, BHT11, BT13, BW96, BMMT14, BP06, CLW13, CH09a, CK17, CJI11, CZ10, CS96, CN99, CLST03, CS12, CGM00b, CHM02, DY06, DLY14, DN13, DH01, DJLZ96, DS16, DTYY18, DK03, EBR00, Elm98, Elm00, EPE05, Ett16, FF05, FMP06, FJP+11, FKW13, Gar97, GG03, HHE10, HZ10, Hol99, HVW95, HC98, HY10, HW09, HZ17, IM97, JX13, KL13a, Kra09, KW10b, LV98, LL17, LCH09, LSH17, LZ13a, MK00, Mei11, MR18, MMN00, Moo00, Mu99, NWY10, NvdP00, Okt05, PE00, PL12, PeD12, Pol16, Pu08, RNR16, RW01, ST17b, Sco17, Sim07, SvG08, SV11, SO10, TO15, VP10, WLX+13, WIOH08, YC13, YDF97, YTL11, Yu01, ZLT13, Zha97, ZJLC12, ZW03, ZQ17, CW97].

Solving [LZ94, MT97a, PSB+06]. Some [AA13, BF01, BMR10, BDS98, BM12, BFS16, BT00b, Cho01, Chr09, Gar00, GH02, Huc93, Jin99, LZ16, Man95, MS04, Mic01, Moo00, OL98, PABG11, RST93, Sun93, XQ94, DG95]. Some [BD09b]. Source [BD05, DB08, GK11b, RWA95, XA99, Xie05, Yav96]. Sound [CC98]. Source [AGH00, CG13, Gia18, GHR12, GHR13, GMS18, HR99a, HCHS13, JW05, SX11, WKM+07, ZTM+16].

Source-Term [ZTM+16]. Sources [AKM+13, KBV09, WLE+00]. Space [ALLK15, And16, B017, BK99, BBH18, BC09a, Ber95b, BP13b, BV16, BRZ14, BDE08, BTWG08, Bur97, BHK12, BH16, CPW15, CGD17, CSB+18, CMS94, CHO12, CFM96, CCG14b, DDMQ18, Day98, Dk00, DJT08, DT00, DMSC18, DW15b, DMD+12, DB07, DGvdZ18, EKSW15, FDE+06, FMB13, GS98a, GN16, GJZ18, GOV06,
GMPZ06, HP14, HHRW00, HV95, HC98, HHLW15, KV12b, KS14, Kye12, Leh15, LSC18, Moo00, MCV17, NHSS13, NXDS11, NT18, PNW16, PvdVvG17, PBC05, RF10, SV08a, Str94, TY08, TW05, VBA18, WMC12, WB12, WGT14, YTLI11, YYS16, YHC16, Yan14, Yu01, ZK14a, ZZ04, ZSpH14, ZLTA15, AE95, WMC11.

Space-Filling [BH16, GMPZ06].
Space-Fractional [ALLK15, DMSC18, DW15b, PNW16, WB12, ZK14a].
Space-Invariant [BDE08].
Space-Time [BO17, BBH18, BV16, CDG17, GN16, LSC18, NT18, PvdVvG17].
Space-Transformation [HC98]. Spaced [GJLX16, Har11]. Spaces [DW17, KKR16, KC16, LMM17, MS13, MNvST13, PF12, PV08, QZZ14, SW17, SP16, WI12b, YZ05, ZT17]. SPAI [JZ13].

Spalart [DHE13]. Spanning [PP97]. Spark [CH16]. Sparse [AKA13a, AGL10, AKA13b, AA14, ADL+12, APÇ04, ABB+16, BK07, BW18, BSH16, BB08a, BGM13, BM95a, BMT96, BT98, BT00a, BT03c, BNP15, BBFJ16, BAS09, Bit99, BC13, Bör09, BvW09, BS99b, BT99, BGMR01, BCMM03, BG12, But13, CS99, CH17, CCA03, tVCA01, CCQ16, CS98, Cho00, CLN12, CV98, CKL18, CFM98, DS00, DLP05, FUNB18, FS11, GN14, GLS13, GG05, GS98b, GHS+15, GKN18, GOV06, GDL07, GBDD10, GCD18, GH97, Gug16, GC16b, HK+13, HHL15, HJ18a, HC05, HK00, HP94, HRS10, HW05, HV07, JNZ17, JFG15, JZ13, JP08, KU18, KA18, KMSM14, KHW+14, KM12, LSW02, LOSZ07, Lee13a, LSC03, LJ17, LYL+11, MW01, MW13, MDM15, NK15, NJ14, OA93, PZZB15, Pen00, PCD17, RT10, Ros15, RS99, Ruh98, Saa06, SZ99, SS99, ST17b, Sco17].

Sparse [SY10b, SY12, Sun96, SX11, SO18, TW03, TB99b, TTY16, UA04, UA07, VM13, WZ03, WYGZ10, XS17, Xia13, XXdH+17, XZ14, Yan94, YSX17, YL09, YB09, ZG10, ZTRK14, ZLW18, AS93, AMB+94, BZ96, EL93, MH95, MS93b, NP93b, PS93, Rag95, RG94, Rot96, Sch93, MG09].

Sparse-Approximate-Inverse [MG09].
Sparse-Dense [ST17b]. Sparse-Grid [BvW09]. Sparse-Sparse [CS98].

Sparification [APSG14, BFG+16, GS18, PCD17].
Sparified [TY15]. Sparsify [LY18].
Sparsity [BL08b, Cho00]. Spartan [Hri03, Hri05].
Spatial [AD06, Boz09, CMM+07, CLAT10, DTT+16, JZ15, KKP14, MT08, Min02, PV08, WP98, Zin13].
Spatially [AK04, BLMR02, CCA03, FUNB18, HTH+16, NO98, NNH99, OVV17].
Spatio [Yan18]. Spatio-Parameter [Yan18]. Spatiotemporal [BF16, LC05b].
SPD [GRT05, SIS96]. SPDEs [ZRK15, ZK15, BAS09].
Special [Bal00, Ben13, Ben15, Ben17, Brel17, CVW06, DJM16, Elmn98, Elmn00, GL18, GW04a, GLR07, JKR08, KY14, Tum10, TBC+11, Vas07, Wan01]. SPECT [IJ08].

Spectra [LW97, Mön08, VR14, XS16, BW93].
Spectral [AG18, ACLZ15, BDD+97, BT03a, BJ03, BL17, BS05e, BG98, BK00a, BK10, BEKM16, Bjo95, Bla97, Bla98, BIA99, Brl15, BOPG06, CGQ10, CG99, CDG03, CGG07, Cas97, CCS07, CFH+03, Che05, CCO11, CEO11, CF05, CG07, CG111, CRV13, DM16, DJT08, DAE02, DMSC18, Du16, FTY15, FMRR13, FS02, FW97, FM16, GHH17, GKI11a, Gas13, GP99, GM14a, GRT05, GRMS09, GN07, HOY03, HMAS17, HNS08, HLT00, KLV+16, KZK17, KG14, LZ17b, LZK17, MS17, MC09, MW08b, NH13, NN03, Obs07, PDK13, PCFN16, Pav98, PZPR07, PWZ10, RS16, SDNL10, She99, SY10b, SY12, SWX16, SF08, SJD14, TW12, TO15, TT06, TLE12, WHL18, WG00, XLS18, XCS16, XL18, ZK14a, ZK14b, ZCZK14, ZZZK15, ZMK17, ZZ16, ZLTA15, vGEV07, vHBTC12, Lie93, MMPR93].
spectral [Nat95, Nat97, She94, She95, She97, Tan93, BT97]. Spectral-Galerkin [DAE02, She99, She94, She95, She97, BT97]. Spectrally [BWV15, CBG12, HO18, JL11]. Spectrum [AK15, BS06a, CFKM18, GK03, ZB12, Gut93]. speed [DS95b]. Sphere [BL07b, CF97, DLTZ06, ES00, FF05, FP07, GPS12, Lay03, LS00, MCB18, MN18, RLM+00, TDTF03, TWW16, WL11, Wan13, YCC10]. Spheres [GJLX16]. Spherical [AA00, BLS06, BN00, FF05, For95, GV13, KMS15, Li99, MK08, Nie16, RT05, She99, TWW16, WTW17]. Spherically [WT16]. Spin [BL08a, CL18a, CBDW15]. Spin-1 [BL08a]. Spline [AGI10, ABP18, BF95, BFK03, BFK05, BF06, Bit99, BB15c, LS00, MS07d, Ng94, Red99, Sun95, TGC94, TV98b, Bia94, HHRV93]. Splines [BLS06, HH07, LS94, LZ13b, Woo94, Zha18a, AE95, Gu93]. Split [BAFF00, HJMS07, Lee13a, LK15]. Split-Step [HJMS07]. Splittings [JP95, MP98]. SPMR [EG18]. Spray [BCM15a]. Spread [BNP15, JB18]. Spreading [Ros96]. Spring [CJ09, LP03]. Spring-Mass [LP03]. SQP [PBC05]. Square [AKA13a, FCZE14, GGM01, LZ17b, MT97b, RW06]. Squared [CCG14a, Gro02]. Squares [AMMR10, AMM+10, AMM+11, ABM+13, AV14, ALMR17, AD15, AMT10, BLH02, BGM13, BT03c, BS99b, BW06, BKM10, BLM03, BM114, CLMM00a, CLMM00b, CPV95, Car10, CAS11, CP17, DMM004, DMM005, DG98, EHS+07, FMM98, FGHO97, FS11, FNBO6, GW17, GI17, GKK15, GNYZ18, HLM06, HLM+09, Hok17, HY10, HY14, HJLZ18, KMS15, LSH17, LMR00, LF13, Lee14, LM15, LMM17, LRS02, LD11, MWY17, NP14, PE00, PB+15, QQ099, RDB16, ST16b, ST17b, SC07, SX16b, Sta00, Str93, TZ14, TBO10, Wat98, WPT17, XS16, You94, ZCC+16, ZWW+13, ZNX14, dMHJ00, ten95, BR95, Dax93, NP96]. Squaring [AMH12, SDR15]. Stability [AD07, AW11, AP93, AC09, BYK05, BM10a, BM10b, COZ96, CRS+18, Ch08a, CLNL11, CF96, CS10c, DS09, DP07, DHE13, DR13, Dur16, ES18a, FCF14, Gug16, HP94, Hig95, HV04, IM97, Ket08, KP07, LPR98, LZZ18, LC05b, MR02, NH12, OB08, RP01, Ros15, RX18, Sch05, SZZ97, SN08, Str93, W08, WT12, ZSB16]. Stability-Corrected [DR13]. Stability-Preserving [Ket08]. Stabilization [ABD+17, BBS015, BS06b, LNP15, LR12, ZHS10]. Stabilized [AV13, BH14a, BM11, BBG04, BCLT15, BBKT15, BL07b, BRBT12, Br13, Bu14, BCM15b, CS014, EHS+07, Gar97, KS99, NG18, SV03, SSF16, ZS02]. Stabilizing [CD06, HiH8, VW98]. Stable [Abg09, AN16, ABP18, ABB+04, BN98a, BS05d, BHT11, BK12, CGGGS15, CW1X, CY17, DM13a, DS16, DM14b, ERSZ17, FM12, FP07, FLF11, GMY18, GMV99, GZ18, HT14b, Hec11, Hes98, HT00, JL11, KG14, KW16, KM12, LW02a, LLHF13, LLX15, MC10, NH13, NS06, PCFN16, PSC+16, PJS96, SY14, SO09, TKCC13, WM05, YY18, ZYLM16, ZK15, HG96, Hes97]. Stack [SNB16]. Stack-RLE [SNB16]. Stage [AK18, BCG+10, LD16, OS98, SW09]. Staggered [AT17, GHTW00, GZW18, MV09, PCFN16, TP17, ZP18]. Standard [CPW15, KTF10]. Star [GTMP07]. Starting [YC99]. State [BD04, Bla03, BK00b, CDG+09, Day98, DD00, Elm99, FKQ17, FL02, Gär09].
TLLK09, TP09, TC99, VY09, WWY09, WWY11, YSZ14, dVL10. Stokes-Type [GO09]. Stokeslets [Cor01]. Stopping [AGL13, BR05b, CPP17, EV13, FS08, JSV10, Mar01]. Storage [CF07, CC18, Ket08, KMSM14, LW14, Ry03, RLG98, War13, WM11]. Strassen [HMvdG18]. Strategies [AGSZ16, BW01, Cha18, CML18a, CML18b, GS99, GMAT98, HGR98, HS08, KS08, MS07, MOKS12, MY93, MM95, MMV98, RWW14, SV10a, Wab05, WZ03, vDV00, Wat94]. Strategy [CGDD11, DMD12, HR99c, HGPM14, KS09, MOKS12, May05, MM09, MMV98, RV09, SL10, SL11, TPL8, VST09]. Stratified [GLSTV16]. Stream [AH12, GV16, Kup01, PM95]. Stream-Tube [AH12]. Streaming [Kos07, SCM10]. Streamline [AKM14b, L12]. Strengthened [LLZ09]. Stress [Del14, GP99, Min02]. Stresses [Nie16]. Stretching [DR13]. String [WS07]. Strip [QSV06]. Strips [Coa12]. Strong [BCK16, CS10c, GE96, KM11, Ket08, Sch18, WGT14]. Strong-Stability-Preserving [CS10c]. Strongly [MMSM14, WY18, vD03]. Structural [BTB05, BM01b, CTB15, RMB00, Smi97, EL93]. Structurally [HK00]. Structure [AH17, ACF09, BQ00, BC10, BB15a, BM17b, BCK16, CHV18, CTB15, CBG16, CDFQ11, DLZZ17, DLY14, DJP00, EKL18, FUNB18, HMLH18, HLM03, Hwa07, Jay98, KV05, KPS14, KSV16, LQR12, LWX18, LNC05, LYL11, LXX08, MKW15, MW10, MTM08, NV08, PE00, PEL18, PTV11, PSC18, RW13, RUB12, SM17, WMU13, ZZZ12, ZVF18, vD05]. Structure-Preserving [CBG16, EKL18, HMLH18, HLM03, MW10, BM17b]. Structured [BKS16b, BD05, C07b, CJ99, CX08, EZ11, FNB06, GLR16, GNL14, GG03, HG12, KKT13, KKS13, KKF11, KS11, Km08, LE10, LYL11, LXDH16, Mar16, PS11b, RKL07, ROM18, Ros15, SR18, SWX16, VM13, VXCB16, XIA13, XXH17, ZJC12, ZWZ13, Zie12]. Structures [Ben05, GGM01, GMPZ06, IS17, RAB14, RC06, Saa03, SSW12, SM18, TW96, WLX13, YPN01]. Studies [BBP13, BBKK97, DMM16, RLG98, YTD15, ZD09]. Study [APS12, AHT12, ACD95, BM03, BK04, BCR99, CR99, CGAD95, CHK13, CFK18, DARG13, DLV17, EP06, FMS07, GK00, GLT18, GMSB16, GRT05, GK05, KB08, K07Z17, Kup98, LZ04, OL08, Pic10, PABG11, Ros05b, St01, WH15, YYWY18]. Studying [EV00]. Sturm [AF15, Bou01, LV10, ZAK15]. Style [FSvdV98b, ZK14c]. cubec [CG93]. Subdeterminants [IMS96]. Subdiffusion [CLAT10, LLLT13, LLTT15]. Subdivision [CWD13, HOY03]. Subdomains [CS12]. Subgridscale [Lay96]. Subiteration [vBdB05]. Subject [GLL15, LXY14, AE95]. Sublinear [VL10]. Submatrix [YPHI17]. Subproblem [ZS18]. Subproblems [HD15]. Subset [CBCR14, VA18]. Subsonic [BS18a]. Subspace [BM01a, BCL09, CKD13, CCSY98, CPS11, CS14, CDW14a, CDW14b, DLZ10, EEO01, GY02, GKS12a, Gu15, FL18, KdS05, K07U14, LMRS15, LW13, LR98, NG18, OW00, PS02, SSM16, SW01, SS03, Soo16, Sta97, VP11, W addiction, WYGZ10, ZYS15, NLB04, vDV00, We94]. Subspaces [BDF08, CKBT16, DDF00, DKZ09, GV17, KA95, DCSM16, XZK95]. Substantial [CD15b]. Substructuring [BL04b, Doh03, HS09b, HZ16, KXS18, KR12a, Sta97, YGB10, Smi39]. Subsurface [FK97, Sta00]. Subtraction [EV17, WKM07]. Subvector [HS17]. Successive [GB98, Mit08, WZ03, YJ13]. Suite [SR97]. Sum [AC09, ACC000, OR005, dMHJM00].
Sum-of-Squares [dMHJM00]. Summation [And99, BC02, BZ15, CWA14, DZ15, DH03, HZ11, HDZ16, McL12, Nie06, NN18, NL16, ODN17, PS03, ROO08a, ROO08b, Rum09, ZY05, ZH09, Hig93].

Summation-By-Parts [BZ15, HZ11, NL16, DZ15, HDZ16, NN18, ODN17].

Summations [MXYB16].

Sums [BGM09, HMAS17, KW11, PPT11, dBMZ11].

Super [Gos12b, Jay98].

Super-characteristic [Gos12b].

Superalgebraic [BH07].

Superblock [CWC08].

Supercharging [AMT10].

Supercompact [BW00].

Supercomputer [Kor93].

Superconductors [DG99].

Superconvergence [DK98, HXB11, WHCH14, Yam02, ZN05, ZZ16].

Superconvergent [BFK05, EM99, HZ11, LD03, PJ96, VC00].

Superfast [VXCB16].

SuperGlue [Til15].

Superlinear [CDH98].

Supernodal [NP93a].

Supernodes [JFG15].

Superoptimal [DEC05].

Superparallel [MK93].

Superposition [Gar00].

Supersensitivity [GK00].

Supersonic [LL94].

Supply [CPR11, FGH08].

Support [COS06, EZ11, XAW17].

Supported [Pla15].

Surface [AKS05, AH06, ADM+15, BN98a, BTGH12, CL18b, CH09a, CFM96, DFS17, DGP10, GPK04, GKG04b, HA08, KCZ15, Kös07, LTC13, LL97, Li03, LCL18, MG11, MCT+05, MT99, OQR18, RS13, SV08b, SO09, TK13, WKL5].

Surfaces [BB09, BBE06, BR13, CW14, CW14, CM15, CW16c, CL18c, CDW14a, CDW14b, DPF15, DP07, DJG03, Far01, FPJ+11, Gra14, KTB14, KBK+08, LZ17a, LW17, MR09, NNRW09, OX17, PHA18, Ren15, Say15, SKF18, YH17, Zha18b, Atk94, RN95].

Surrogate [CGD11, LX14, RS13, vdHCDD15].

Surrogates [LM14a, YGCP96].

SVD [BP97b, Hoc01, NH13, Nov15, OT09, VW94, WS15, WRS17].

SVD-Based [VW94].

Sweep [LY18].

Sweeping [ALZ14, BMZ10, GLQ16, LY16, PELY13, ZCL+11].

Swelling [WFAP15].

Swimmers [GHK14].

Switched [GPA18].

Switching [HFL11, KLO09].

Sylvester [BDP96, ST16a].

Symbolic [GDL07, HS18, MBM+16].

Symbols [JF16].

Symm [CP05].

Symmetric [ARMW10, ADKM03, AH04, AT15, BF01, BOR97, BGM13, BM12, BdvdG05, BS96b, ÇAK11, CCM98, CMS17, CPS11, DLP05, DMPV08, DJLZ96, ERSZ17, FEM08, FS08, GPP95, GWMG03, Gas13, GY02, HS06a, Hag02, HJS99, JFG10, JLY08, KS18, KSU14, LZZ9b, LS13b, LS03, MV00, MRV06, MB99, May08, McL95, MDM15, NH13, Nat98, Ng00, Oet99, PS18, SLvdG14, SK05, SO18, TD99, VK13, VSS14, WT16, XYG001, ZL98, FS96, Lan93, LL03, LZ94, MS93b, Tre97, WM93, YL93].

Symmetries [MS18b, ALT93].

Symmetrized [JL17].

Symmetry [CCS98, MMT15, SLvdG14, SA97, EL93, WAS94].

SYMMLQ [Dul98].

Symplectic [BCF01, Ben01, BCR99, KLS+15, Man05, McLO7, MMVW13, PM16, SSS97, CSS93a, CSS93b, LMSSS97].

Symplecticity [LX11].

Symplecticity-Preserving [LXL11].

Synchronization [AD07].

System [AK09, AMMR10, AMM+10, AMM+11, ABM+13, AV14, ALMR17, ABP18, BCC98, BS05d, BDZ13, BS18a, BLMO3, CCM05, CLMM06a, CLMM06b, CLPS03, CLP08, CLS16, CF05, CG11, DY06, DLV17, EKGS94, FV06, FMM98, GH18, Gar09, Hig95, Kim08, KJL10, KG18, LMMR00, LMM17, LRGO17, MSK10, MR01, MPS09, P08, RV02, RV05, RG006, Sco05, SBND11, SV11, TKCC13, WS95, XBC96, ZGA10, ZGG17, BK14, MG95].

Systematic [HTH+16, SvdGP16, XW05].

Systems [AH18, AM04, AK14, AH17, AGi16, AH09, AKPR08, AKT16, AR99, AL99b, AKT12, AK04, BGLY05, BS05a,
BWL18, BKL$^+$17, BK98, BK99, BPR04, BvG15, BB08a, BM01a, BddSM11, BBM11, BGM13, BCF01, BSSW13, BM95a, BT98, Ber00a, BPR99, BF17, BNP, BCP15, BB03, BR09, BPR13, BBD18, BS96b, Boz09, Bre99, BC99, BHP98, BCCM03, BC08, BC09b, BK11, BTWG08, BGL06b, BEPW98, CS99, CL18b, CGL$^+$13, CSS10, CB98, CGG07, CJH11, CH17, CH18, Cas05, CPR12, CFD18a, CS96, CCS98, CN99, CBG16, Che98, CPS11, CDY07b, CBDW15, CW12, CVE13, CE16, CPD17, CD06, DM13a, DLY14, DB98, DH01, DRFNP07, DB94, DKXS18, DS14, DGSW10, DTT$^+$16, Elm98, Elm00, Ema10, Ett16, FSvdV98a, FT03, FDE$^+$06, FG98, GJLX16, GDS14, GGOY02, GNL14, GRT05, GRS$^+$15, GR04, Systems [GW98, GG03, GSW17, GG05, GPA18, GKK10, GV98, Gri94, GPS95, GPSY17, GSW13, GW00, HR05, HS06a, Hag00, HTMM15, Har11, HJ07, HSS2, Her08, HS17, HZ10, HP94, HHW00, HG12, HLS98, HEGH14, HZ16, HL17, HSCTP04, JFG10, JZ13, JW05, JW08, Jon94, KGM$^+$98, Kas95, KPr12a, Kes97, KLR98, KBB$^+$08, KPL13, KSB11, KMR01, KoF04, KSV16, KNV$^+$16, KK16, KPW17, Lab05, LM00, LV98, LV13, LNP$^+$07, LSU11, Lec09, LM15, LS16b, LPR02, LN05, LPR98, LIW16, LSN17, LN03, LXH16, LMMW04, LNA$^+$11, MB02, MRT00, MPW18, MSM14, Meu11, MW13, MC05, Moe00, MS18b, MGW00, NN17, Nat98, NP08, NSJ03, NFPP18, NM13, OD12, PNW16, PdSM$^+$06, PW15, PM16, PVK16, PVC17, PW98, Pet99a, PH16, PS01, Rah96, RG07, RAVA17, RSW10, RM08a, Systems [RT99, SZ99, SS99, SBK13, ST08, ST17a, ST14b, SHP07, SE11, SG95, SMA04, Smi97, SG04, SvG08, Soo16, SC98, Sta94, SO10, Sun95, TTS08, TT07, Ton94, Tor12, TS14, VC00, VM13, VK13, VSS14, VTD12, WLX$^+$13, WTWB09, WSH14, XS17, Xu04, Yan94, YDF97, YP98, YWL17, Zha97, dDBV14, dSL05, AS93, AM95, AP93, BHP94, CGP93, CN93, CT94, CGS$^+$94, CC96, CW97, CMV97, Fre93, Gre93, JS93, Yav93], systolic [BPT93], Tables [CWG10], Tackling [KSD10], Tail [GSS12, IM98], Tailed [CHL16a], Taking [MM98], Taksar [DS96], Tall [CGHT14], Tangent [ZZ04, ZS14], Tangential [MRSS14], Tangentially [BM11], Target [HWS05], TAS [CFKM18], Task [ABC$^+$14, GKM$^+$17, MDM15, Ti15, YS16], Task-Based [ABC$^+$14, Ti15, GKM$^+$17], Task-Scheduling [MDM15], Taxonomy [BBGS04], Taylor [AM18, Bar05, Hei13, Kup98, SIDR15], Tearing [LOSZ07], Technique [ABKS16, Bla97, BEOR17, BEPW98, CL03, DS97, HHLS15, HHMDC18, LNS96, NNH99, OGO16, OV17, RSA05, SP03, WiOHO8, WZSL12, Yun03, PSB$^+$06], Techniques [ApvDG12, ADH99, AB16b, BRR18, BvW09, CDGS05, CP05, CP07, CBS00, CDCT01, DS00, EF15, FBF15, GS98b, GG10, HW01, HM14, JFG13, KTB14, KMR01, KM98, Lan10, LU17, LKK18, MMV98, MFGP18, PKNS14, PAG11, Pla98, SS99, SBRO6, SW03, SF08, Toi96, WB08a, YHC16, ZW94, ADRS95, CS97, Di95], Teko [CST16], Temperature [Don06, SMZ18], Tempered [GLW18, HP14, ZAK15, ZK15], Templates [HTR12], Temporal [Ber95b, BRK16, GS16, LL00, MKGW15], Tension [BN98a, LL97, MCT$^+$05, SO09], Tensor [BS03, BS07, BG14, BKK18, Beu05, BAS09, BEKM16, BKS16b, BS99b, CQZ17, De12a, DM13b, DKO12, FF05, FEM08, GNL14, GO12a, dMGF17, GKK15, HJ18a, HRS12, HMvdG18, JM17, KKT13, KKS13, KK90, KKF11, KS11, Kor15, KSV16, LS00, MMRN15, MSL13, Mat18, MBM$^+$16, OT11, Ose11, RO15a, RDB16, Ste16, DH16, VMV15, VS17, WSX17, ZCK12], Tensor-Structured
[GNL14, KKT13, KKS13, KKF11, KS11]. Tensor-Train [BEKM16, Ose11, VS17].
Tensors [BK07, BK16, CCQ16, DGP18, GU17, KU18, KP17, SL10, SLvdGK14].
Tent [GSW17].
Terminology [FL08, KMT98].
Terms [AGH00, FN94, GvdV17, HS97, Kla98b, Kla98c, RG98, Wan07a, ZTM+16].
Termination [CGK13, HR99a, JW05, Nak08, Win06, EW96].
Tessellation [BGL06b].
Tessellation-Based [BGL06b].
Tessellations [DGJ03, DW05b].
Test [CPT05, Han95, JL03, JL05a, Lin06, LW03].
Testing [WRB+15]. Tests [LSW02].
Tether [TP09].
Tetrahedra [Ber00b, BK98, PC98].
Tetrahedral [AMP00, Ber98b, BH16, CC11, FKW13, GMvdV18, GR05b, HT00, JHJ12, LJ95].
Tetrahedralization [Wal13].
Tetrahedron [Ong94].
Textbook [BSA13].
Texture [BEG+08].
Their [CH02, DW05b, GK03, GPS12, LS94, LL00, MC94, PP13, Sch18, ST00, CC96, DG95, DG99, GM00b, SHP07, WTS94].
Theories [DJM16, KY14]. Theorems [ET01, LV98].
Theoretic [BGMW17].
Theoretical [CGAD95, Wan07a, Ber97].
Their [AG18, BGL08, BEG+08, BM10a, BH07, CXY10, CPM96, CDW14a, CDW14b, DKPS17, FGMP14b, FCF14, HJN17, HDZ16, KPK14, LW12b, LY13, NKLW94, Rub12, RCLO18, SS03, UWWY+15, WL13, dSL05, CW93, ED95].
Theory-Based [KKP14].
Thermodynamic [BH05].
Thermodynamics [YS16].
Thermostats [LS16b].
Thick [Lee10a, LXV+16, SSW08, ZVF18].
Thick-Restart [LXV+16].
Thin [AA00, JLZ16a, KWW13, LS94, Lee10a, LS12b, SM18].
Third [ABMR11, AS06, Cao07, KL00a, LY14, SC02].
Third-Order [KL00a].
Thomas [Ain07].
Thousands [BT03b].
Three [AILP07, AA02, Aru12, ASS16, BBSW94, BBKT15, Beu05, BBC07, BBMR03, BK13, BCM15b, CH18, CJ95, CMG00b, DK03, EZ11, EdDP09, FK06b, GJ08, GKC13, GGL+98, GGLT00, GB06b, GV98, GM96, HHMS15, HM98, HT17, HRT03, HRT13, HC98, HS08, Hun95, Hun96, HGPM14, Joe95, KL10, KR06, KKR16, KS15a, LCA08, Leh15, Lem16, LY16, MV09, MLL13, MZ94, MMN00, Moo00, NKLW94, NMAB11, Ong97, PWZ10, Pek12, Pet99b, PP13, PM15, RR98, RG98, RWKK15, RDP08, Sch02, SWB16, Sha12, SWT00, Tsy99, Tu07, Ush01, WO98, Wen10, WO01, WZ15, XW05, ZW03, Cai93, ED95, HZXC16, SMi93, SS93b].
Three-Dimensional [AILP07, Aru12, ASS16, BBSW94, CJ95, CMG00b, EdDP09, GJ08, GKC13, GGL+98, GB06b, GV98, HHMS15, HM98, HRT03, HRT13, HC98, HS08, Hun95, Hun96, Joe95, KL10, KR06, KS15a, LCA08, Lem16, LY16, MV09, MZ94, MMN00, NKLW94, NMAB11, Pet99b, PP13, PM15, RDP08, Sch02, SWB16, Tsy99, Ush01, WO98, XW05, ED95].
three-factorized [SS93b].
Three-Field [BBKT15, RWKK15].
Three-Grid [WO01].
Three-Level [Tu07].
Three-Term [RG98].
Threshold [ACD18, MOKS12].
Threshold-based [MOKS12].
Thresholding [MGF17, TW13a].
Through-Casing [PDTVM08].
TIGER [Wal13].
Tikhonov [CR04, CP15b, FM99, GN14, GG18, IJT11, KHE07, LFB13, OL01, TY08].
Tile [HLD12].
Tiling [GVP06, ZAD+16].
Tilted [BG11].
Time [AM17, And16, AA02, ATK12, AM05, BO17, BJM03, BS05c, BB10, BLR99, BBH18, BF13, BS15a, BHNPR07, BCM11, BFS16, BZ15, BN13, BBC07, BB11, BV16, CGGGS15, CB98, CDG17, CZK15b, CCG14a, CEJ+10,
CFR05, CGAD95, CCM08, CGK13, CGG+14, CFKM18, CHL06, CWZ07, CIZ18, CCH15, CS10b, CDGT01, CE17, DM13a, DD13, DJT08, DLM16, DG09, DKPS17, DEP11, DSZ13, DMD+12, DB07, DGvdZ18, EDGL12, EJL03, FFK+14, FMOS17, FTY15, FDE06, GV07a, GJSZ13, GN16, GDS14, GASS98, GR17, GvdV16, GM15b, GV09, GC17b, GW04b, GM04, HS05a, HW14a, HJ18b, HR98a, HT16, HCHS13, Hor10, HY14, HLY13, Jazh04, JY96, JSZ13, JZ00, KM97, KGS05, KR11, KL12, KGB18, KS14, KK16, KL00b, LMM18, LDL11, Li10, LD16, LWZ17, LSC18, LLO8, LM14c, LH00, LX16b, LX16c, MGB18, MO00, ML11, MZ94, MN18, MSV00, MNZ15, NT18, Nor07, NL16, ODN17, PNM16, PR01, PS10a, PKR+13, Pat97, PG17, PL12, PvdVvG17, PP12b, PP12c, PMSB12, QZT11, QS03, RMR15, RPK18, Rav05, RL10, RZ03, RMC12, RW01, RMD08, RSSZ08, RWX07, SYZO15, SKWK18, SE11, SNB08, SB15, SW10b, TW05, Tie18, TPW09, TH17, XCS16, YTL11, YBM+18, ZK14a, ZLTL13, ZK14c, ZLTL15, ZCW10, Zim14, BC09a, CHO12, CMM16, EKSW15, FMB13, GS98a, GV06, HP14, HV95, Kye12, LK13, LPH15, SV08a, WGT14, Yan14, Y010, ZLTA15, MM15, Time- [ZK14a]. Time-Accuracy-Size [CFKM18]. Time-Accurate [LD16, Zim14]. Time-Changed [ZK14c]. Time-Decoupled [KS14]. Time-Dependent [ATK12, BIFS16, CB98, CCG14a, CIZ18, GLOR16, GC17b, HJ18b, LH00, ML11, PNM16, RPK18, RZ03, RSSZ08, RWX07, SE11, XCS16, ZCW10, Nor07]. Time-Domain [CHL06, DSZ13, HLY13, JZ00, PGW17, RW01, YBM+18]. Time-Fractional [GR17, LMM18, LWZ17, LX16c, ZLTL13, ZLTL15]. Time-Harmonic [AA02, BB10, BHNPR07, CWZ07, EDGL12, HY14, PL12, RL10, LX16]. Time-Integration [DEP11, GV07a]. Time-Marching [BZ15, KM97]. Time-Parallel [GV07a]. Time-Periodic [GJSZ13, KL12, PMSB12]. Time-Reversible [BLR99, KL00b]. Time-Space [YTL11]. Time-Splitting [BJM03, BS05c, CCGGS15, CZA15b]. Time-Step [CFR05]. Time-Step-Size-Independent [BBC07]. Time-Stepping [AM17, EJL03, GGS08, GM15, KT05, KGS10, KR11, MN18, QZT11]. Timely [BT97, Cas97, Den97b, SA97]. times [PKNS14, RF10]. Timestep [SMN10]. Timestepping [GB06a, HS06b, JL03, JL05a]. Tissue [PVV11]. Tissues [DLM16]. Titanium [GY06]. Toda [Nak98]. Toeplitz [BW93, CN93, CT94, CC96, CCS98, Di 95, Di 97, EK10, FS96, HO96a, HSCTP04, Jin95, KKT13, LPS10, LNC05, MV00, MB99, Nag93, Ng00, NSJ03, NP10, NP14, NCV06, PKNS14, PE00, PS01, Tre93, Tre97]. Toeplitz-circulant [CC96]. Toeplitz-plus-band [CN93]. Toeplitz-plus-Diagonal [NP10]. Tolerant [AG17b, AG17a, HHLS15]. Tomography [BU15, CILZ15, CK07, HKK+13, HHMS15, HTH+16, HM18, IJ08, KdS05, KLS08, OKdSG17, RBH06, SBK13, SKMF15, TH17, WB08a, WP+13, dSK11, vdDA12]. Tomosynthesis [BNFS13]. Tool [BA05, EKSS16, VR14]. Toolbox [Wal18]. Toolkit [LNA+11]. Tools [KMA+12]. Tooth [RK07]. Topographic [GH14]. Topography [GN07, MSS12]. Topological [BRZ14, BB09, KLST06]. Topology [CWD13, GHHK15, IS17, KLT16, KM16, WB08a]. Tori [DB94, HKM97]. Toroidal [SLO13]. Torus [WIOH08]. Torus-Wrap [HW94]. Total [CGM99, CMM00, CT03, CCO3, CCC19].
CLNZ16, DF03, FGHO97, FNB06, GY05, GY09, HS06d, LFB13, LN17, MF06, NWY10, VO96, WBFA09, ZWZ+13.

**Total-variation** [NWY10], **Tournament** [GCD18], **Trace** [Che16, GSO17, KNV+16, SX17, SMZ18, SLO13], **Traces** [ZND18].

**Tracking** [BLGL11, CL97, Dk00, GT98, GBCT10, GGL+98, GST+99, GGLT00, GM13, HC95, Hwa07, LS95, NKM10, ZF14, Zha18a].

**Trade** [SE13], **Trade-Off** [SE13], **Traffic** [BCV13, GPZ17, HK03, HPS06], **Train** [BEKM16, DKO12, GKK15, HRS12, Kor15, LWK+16, OT11, Ose11, VS17], **Train/Quantized** [DKO12].

**Training** [Zim13, SBC93], **Trajectories** [Van95], **Trajectory** [EKM94, EHW00, WG12], **Transcription** [PR09].

**Transfer** [ACL09, BK98, BK99, BW01, EAS08, GP18, HRT10, HKF+13, HJPO3, HJS18, JLP18, JP14, Kan03a, KR14, KGM+08, KGM+11, KMS15, KP12b, KT17, Lay06, Lee10a, Lee12, LR12, MMY*94, MMY*96, PCDB96].

**Transport-Reaction** [HKF+13], **Transportation** [BCC+15, PBJ+96, SM15], **Transpose** [CCC17, Fre93], **transpose-free** [Fre93], **Transposition** [Gup17, Mat18].

**Transverse** [SPS18, ZB12], **Translator** [BCC+15, PBJ+96, SM15], **Treating** [SO09], **Treatment** [BH00b, CDM+13, Sch09], **Treatments** [CGZ99, DKM14b], **Tree** [BG14, BH17, CWA14, WMSG09].

**Tree-Based** [BH17], **Tree-Code** [WMSG09], **Treeduce** [DD12, KW11, MB15], **Treeduces** [GS00], **Trees** [KU18, Oli01], **Trefftz** [EKSW15], **Trial** [Lin16], **Triangles** [Ber00b, D’A00, DK98, KPP+14].

**Triangular** [AKK18, BGLY05, Ber98b, Bol03, BK17, Cao07, CW18, FSM08, GGL09, HO15, HP94, Hig95, Hog13, KT15, Kla98b, Le 01, LNSZ06, MRRK13, SC02, WSK99, ZS03, ZQ18, AS93, BK17].

**Triangulated** [vd97].

**Triangulation** [FJP+11].

**Transtion** [BG11, CG96], **Translates** [PPT11], **Translation** [GD03, ED95].

**Transmission** [BLS14, HHL15, JLY08, MRS04, MS12, PvdVg17, QX08, RL10, WH13, WX17, YBLH16].

**Transonic** [CGK*98, SS10a], **Transparent** [Coa12, RSSZ08], **Transport** [AH12, AH06, ACCP13, BH14a, BGL08, BS09, BP13b, BBM+08, BLM03, BJ08, CL18b, CMM+07, CLTX15, DMM105, DJP00, DPS18, EKL+18, ES18b, FHL13, Fro12, GJ08, GC16b, GC17b, HMM17, HKF*13, HRT13, HJPO3, HJPO4, HJS18, JLP18, JP14, Kan03a, KR14, KG+08, KG+11, KMS15, KP12b, KT17, Lay06, Lee10a, Lee12, LR12, MMY*94, MMY*96, PCDB96].

**Transferring** [GR04], **Transform** [AdWR17, AMVR17, ACD+08a, ACD+08b, ASS16, BR02, FW97, GCR16, GC17a, GHR12, GHR13, HT14b, KV12a, KM12, LZ17a, LCA08, MW08b, OT11, PM03, Rim18, SVG10b, WO09, WG18, Wei99, Yin09, AD96, EB96, NP96, Sch96, CRMC12, EMT99, GMS18, LB11, Rei13, RAT18, ZK14e], **transform-based** [NP96].

**Transcription** [EKM94, EHW00, WG12], **Transposing** [SE13], **Translation** [GD03, ED95].

**Transmission** [BLS14, HHL15, JLY08, MRS04, MS12, PvdVg17, QX08, RL10, WH13, WX17, YBLH16].

**Transonic** [CGK*98, SS10a], **Transparent** [Coa12, RSSZ08], **Transport** [AH12, AH06, ACCP13, BH14a, BGL08, BS09, BP13b, BBM+08, BLM03, BJ08, CL18b, CMM+07, CLTX15, DMM105, DJP00, DPS18, EKL+18, ES18b, FHL13, Fro12, GJ08, GC16b, GC17b, HMM17, HKF*13, HRT13, HJPO3, HJPO4, HJS18, JLP18, JP14, Kan03a, KR14, KG+08, KG+11, KMS15, KP12b, KT17, Lay06, Lee10a, Lee12, LR12, MMY*94, MMY*96, PCDB96].

**Transferring** [GR04], **Transform** [AdWR17, AMVR17, ACD+08a, ACD+08b, ASS16, BR02, FW97, GCR16, GC17a, GHR12, GHR13, HT14b, KV12a, KM12, LZ17a, LCA08, MW08b, OT11, PM03, Rim18, SVG10b, WO09, WG18, Wei99, Yin09, AD96, EB96, NP96, Sch96, CRMC12, EMT99, GMS18, LB11, Rei13, RAT18, ZK14e], **transform-based** [NP96].

**Transformation** [CP03b, DK11, HC98, KR06, Yim03, YK03].

**Transformations** [Ad07, ACD+08a, ACD+08b, CD06, GGOY02, GL15, ISW18, Joe95, MHS98, Goe97, Joe93].

**Transformed** [TT06, UEE12, We17], **Transforms** [BBBV13, BV98, Di 97, FT03, IBM01, Nak98, NL99, Pek12, PP13, TW09, BS94, DR93b, Heg95].

**Transient** [BG07, BP13b, FHFR13, MST15, SBM07].

**Transistors** [HJPO4, JP14].

**Transition** [CCER12, Gar94, KKS08, ZDZ16].

**Transitions** [BG11, CG96], **Translates** [PPT11], **Translation** [GD03, ED95].
Tridiagonal
Trilinear
Trigger
Trigonometric
Trilinear
Trilinos
Triple
Triplets
Trivariate
Troubled-Cell
Troubled
Truncated
Truncation
Trust
Trust-Region
Trust-Regions
TSFC
TT-Format
Tube
Tubular
Tucker
Tumor
Turbulence
Turbulent
Two
Two-Body
Two-Dimensional
Two-Fluid
Two-Grid
Two-Parameter
Two-Phase
Two-Regime
Two-Scale
Two-Sided [BB15b, LMT18]. Two-Sphere [WL11]. Two-Stage [LD16]. Two-Step [Bar99, HLZ13, KW15]. Two-Stream [GV16]. Two-Term [FN94]. Two-Way [KCZ15]. Type [AILP07, CZ10, CMM95, DW97a, DLY14, EL01b, GO09, GW00, Gur04, HJN17, HS06d, Hoc01, HXX18, HXB11, HLM16, JW05, KQW04, Kus97, LD16, Lu95, MK00, MR01, PE00, QS03, RG98, TS11, TLT12, WWY11, WRSZ18, YP98, Zha97, ZZWZ14, ZNX14, ZQ17, A093, DSC05, GPHHAPR18, MV00, MC05, NvdP00, Tan93, AM17]. Types [GYZ11].

Using [Lee14, LM17, Lie93, LZ13b, LS09, LCL18, LZ04, MM13, MCT05, MS06a, MCB18, MR18, NKT08, NMW14a, ODN17, OST11, OKLS15, PDB09, PVC17, PP05, PRM09, PCD17, PBtTB+15, QS14, QS05a, QS05b, RSNNR17, Rav02, RKL07, Rim18, Ros05b, RH01, Sch02, SSW18, Sco17, SZ00, SMR16, SAY03, SRI+18, Str99, SSH06, TWK18, TBF14, TIl15, VBA18, Van00, VSS14, VS17, VR16, WB08a, WS95, WE13, WSZ14, WB00, WKM+07, WkZ15, Wt01, XKW08, XAW17, YC13, YG15, YY18, YB09, dSGK+15, AMB+94, BS05e, Car93, CHX15, CJ99, DS96, DMD+12, FGM95, GTK+17, GKM+17, dMGF17, HMAS17, HS00, HHMDC18, Joe93, LMS97, MS93a, MHS98, Nat95, Nat97, Pet93, RNR16, SBK18, She94, She95, WdZ90, YSX17, YWL17, dBMZ11].

Uzawa [HOW17, LRGO17].

validated [YGCP96]. Validation [MS06b, RW97, Woo94]. Valuation [CF07, HY08, Mar03, Toi08]. Value [ABLS05, AA00, AFF+15, AP97, AS94, BK06, BM01b, Bet08, BF95, BIYS00, BKS98, CGAD95, Cas05, CD01, CV94, CGHT14, Der08, Drm97, DK03, EM96, EM99, EN08, FS02, For06, GG13, Gu15, HJ18b, HM14, IM97, IM99, LV07, LG97, LWZ13, LK98, MS07d, Nit99, OS98, PL03, Pat97, PRSS11, SBS98, SW16, Ste99, VC00, VV05, VVM12, VK13, YR98, BD93, BZ93, CS12, Rán93].

Valued [BBSW16, BzCS11, BS15b, DH01, MO08, PVC17, SWU16, ZBFN17, DGB15b, GS14].


variable-step [CSS93a]. Variable-Stepsize [BLR99, KW10a]. Variables [Bar12b, CE17, FEL18, HW99, JK12, ZBFN17, ZRK15, ten95]. Variably [Sta00]. Variance [DG17a, FP14, FB95, GSO17, ZS04]. Variant [BDJ05, HZ10, NO98, YC99, CGS+94].

Variants [AR99, CGL+12, CMS94, CC02, GKK15, Gut93, SM17]. Variate [GKNW18, PPB14]. Variates [SRW+18]. Variation [BGK15, CGM99, CMM00, CT03, CC03, CLNZ16, DF03, GY05, GY09, LN17, MF06, VO96, WBFA09, ZWZ+13, NWY10, HS06d].

Variation-Based [CGM99, CMM00, CC03, GY05]. Variational [AEFM17, Ami94, BBSW16, BGN07, BGR16, DMN08, GLS08, GS12, HW03, HLP08, Hua05, HMCK04, JK05, KLT06, KR00, KZ16, LSU11, Lee13b, FYL17].
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Yang:2016:ASR


Yue:2018:IAD


Yuan:2011:CDD


Yao:2005:MMF


Yao:2007:NMC


Yao:2008:NMC

Yang:2011:ADA


Yang:2009:ETA


Zhang:2016:BTA


Zayernouri:2015:TFS


Zampini:2016:PCR


Zaslavsky:1995:AAM


Zouros:2012:TES

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Zhao:2006:NKA

Zhang:2010:MCT

Zhang:2004:TDM

Zayernouri:2014:SDS

Zhang:2009:NSD

Zhang:2016:OBS
Zeng:2016:GAE


Zhou:2009:FAM


Zhang:2014:FOI


Zhuk:2015:DAL


Zhang:2015:EOE


Zhang:2015:HRR


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**Zubik-Kowal:1999:WRF**


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Zhao:2018:NFV


Zheng:2015:AWM


Zhang:2012:MWC


Zha:1999:UPL


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**Zhou:1994:RST**


**Zhao:2003:CDS**


**Zimmermann:2016:AGM**


**Zhang:2014:ACE**


**Zhao:2013:TVS**


**Zygalakis:2011:EAM**

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Zhao:2016:ESN

Zhang:2015:KSM

Zhu:2005:NDA

Zhang:2004:PMN

Zhao:2016:SPF

Zhang:2018:FBA

Zeng:2015:GSC
Fanhai Zeng, Zhongqiang Zhang, and George Em Kar-

**Zhao:2014:FOC**


**Zhang:2014:GTO**