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$(-1, 1)$ [OR20]. $(0, +\infty)$ [DO17a]. $(2 + 1)$ [AJ24b, TWMP20]. (λ^*, λ) [Ma24]. (m, ℓ) [Fuj02]. (q, h) [GS15b]. $(r + 1)^{\text{st}}$ [ZZW97]. $0 < \alpha < 1$ [DCJ20]. $0 < \theta < 1$ [TM05]. 1 [EP15, HWCF15, KM19, KD13, KKR15, LW07, Now96, SS00, Vej10, WC24b, ZL18a]. $1 + 1$ [MPSS16]. $1/t$ [AM16b]. $1s$ [CPD+05]. 2 [AG05a, AEMX17, ASS21, Ant13, AC96, AN22, BS21, BF15, BDRZ19, BCV21, CNA23, Cau08, CCM02, CCM17, DMPSC16, Fou00, FS24, Gon06, HGP11, HHR12, HA21, Hey20b, KTYY24, LPR00b, LLHC17, LJ20a, MDA24, Mur99b, OT22, PMP23, RZ00, Sch02, TCCW89, UHUL21, VA05, WBCK02, WPT19, YZ17, ZS21b, ZS18]. $2d$ [SL17]. 3 [ASS21, Ant13, ASC03, BV94, BM18, BS08, CK22, CPZ17, FMS18, FLH22, GS20, HDY21, HW15, HZ12, Jay95, Kal96, KNP16, KLSW06, LS21, Mai06, MSGM23, MKH16, MG22, MM20b, NBNTGV11, NRR06, Ost93, PSP05, PK23, PPC00, QPT23, Ran15, Sha98, Ste97, TYKK01b, WSY18, WSC09, WSC21, YH00, Zha09, ZS21b]. 4 [DC21, EHM01, PT23, Ran15]. 6(5) [CV95]. 7 [AB15]. 7(6) [CV95]. 8 [PPS05]. 9(8) [Tsi01]. $>$ [DLN+24]. $[H^{-1}, L^2, L^2]$ [KLY05]. ^{0} [Hop23]. ^{1} [HAC22, PZMX16, Zho18]. ^{2} [KDD23]. $^\infty$ [Hua98]. ^{m} [BE99]. $_0$ [THW19]. $_1$ [Kan04]. $_2$ [BHRY21, TK19]. ${}_2F_2$ [JJ15]. ${}_3F_2$ [JJ15]. $_q$ [Bec02, BHRY21]. A [BC89a, Cha96, ST89, GPHAM12, SCvdH92, ZZW97]. α [WCS21]. $Ax = b$ [Cul95]. B [AFK92, FSU89, HCX03]. β

[AFS00, MDD18, Sus10]. C^0 [DGE22, LHC09, LWY20]. C^1 [DS17, ZLY23, Ber86, RL86]. C^4 [Ver93]. C_1 [Arc06]. $\mathcal{H}_2$ [FG13]. $\mathcal{H}_\alpha^s$ [WWL21]. $\cos(z)$ [VC10]. $\cos \pi/2x^2$ [Coh90]. d [BDV17, DM97, GÖS20, LL02, MdR05, PSP04b]. δ [XZL07]. $\dot{\theta}$ [Bho11]. ℓ^2 [WSY18]. ℓ_1 [CXZ14]. ϵ [FR01, GGS04, Tan87]. EQ_1^{rot} [ZSS23]. η [BSGU94]. $\exp(z)$ [IN89]. $F_n(z) = f_n \circ \cdots \circ f_1(z)$ [Gil91]. G [Lev91a, BC89a, BHHS10, HJ21, NZY21, SS10]. $G(\epsilon)$ [BIJ23]. G^2 [FPT03]. γ [JN07]. $\mathrm{GL}(E)$ [Ben98]. H [Wan96, HAC22, MS08b, ZZ24, AOW94, Mus11, SS00, TM05, Usm97, VO00a, XY19]. H^1 [KS02, SL22, WCS21]. H^θ [TM05]. H_1 [ZJH18]. H_2 [ZJH18]. hp [AS97, AK00, BTP96, Bür12, DF96, FM95, GHH09, Mus11, SGS00, tSqWyG16]. ILU [PRGO16]. k [DS97a, GH91, Jac88, KF97, Lem88]. $K_2(P_2)$ [SHA12]. L [FRV11, KDD23, YXX24, dACR10, BHRY21]. L^1 [GKA17, CR23b, Muo23]. L^2 [Lee23, LCH20, Ort20]. L^∞ [LZ14]. $L^\infty(L^2)$ [Dek17]. L^q [Dol14]. l_1 [CLL23, YP18b]. L_2 [MB08]. L_∞ [CC20a, LZW19]. $L_p(\mathbf{R})$ [DMA22]. Lq [DKK94]. LU [Doi91, Phi91]. M [GP17, SHL19]. $\mathbf{R}^2$ [Kim14]. $\mathbf{R}^3$ [HOS11]. $\mathcal{H}$ [BB24]. $\mathcal{M}$ [JL23b]. N [GT19a, Gil10, HOS99, Lei99, Lei02, LZW19, MV20, PRST02, DhW09, Lev91b, Li16, SA90, SWCH15]. $N^{-1} \leq \epsilon$ [ZL21]. P [CKL03, LC20, SS09, VDVV98, AL09, AOW94, ADM22, AM16a, BP02, BS96b, CS09, FVGS13, Gwi09, JJ94, KJ99, KX03, LZJ21, Mai06, ML91, MS00, PPS10, PK21, SS00, VO00a, XY19, Yos00, dG91]. $p-3$ [Ver06]. P_0^2 [HJYL19]. P_1 [VB07, HJYL19]. $P_*(\kappa)$ [YZH19b]. P_N [GS20]. ϕ [LZZ22]. ϕ^4 [Sus10]. q [AHGM21, TJK18]. Q_1 [WCXL09]. $Q_1^{\mathbf{rot}}/Q_0$ [CH07]. Q_n [Pav00]. Q_{n-2} [Pav00]. Q_p [ST08]. qd [DS10, AC10]. QR [DS21c]. QZ [DSW96]. r [Zeg97, ZZW97]. R^d [LL02]. s [DE18]. S/P [Not92]. $s = 1$ [Beg00]. S_n [YH07]. σ, μ [Ort20]. $\sin(z)$ [VC10]. $sin\pi/2x^2$ [Coh90]. $\sqrt{3}$ [JP17]. T [CJM88, JP19, AX20, EJRR23]. Θ [Fdi97b, CHZ14, CD20a, DFLM19, Gan09, GHHG22, LZQ22, RT20, Sca22, WGW15, BGT97]. V [CK98, NN10]. ε [DS97a]. φ [Gem23]. W [SW95b, Nov08, Sch95b]. $x''(t) = \Lambda x(t) + f(t)$ [ST20]. $y\prime = f(x, y)$ [CP05a].

-adaptive [BTP96, Usm97]. **-additive** [MSGM23]. **-algorithm** [AC10, GGS04, Tan87]. **-anisotropic** [GHH09]. **-averaging** [FVGS13]. **-based** [MS08b]. **-Bernstein** [GS15b]. **-blocking** [AFS00]. **-body** [HOS99, Lei99, Lei02, PRST02]. **-Brownian** [HJ21]. **-conforming** [PZMX16, ZLY23]. **-continued** [Lev91a]. **-continuous** [LWY20]. **-convergence** [AFK92, HCX03]. **-coupled** [LZW19]. **-covariance** [FSU89]. **-cube** [BDV17]. **-cubic** [FPT03]. **-cycle** [CK98, NN10]. **-cycles** [KF97]. **-Cyclic** [PPS10, dG91]. **-d** [CCM17, WC24b, Kal96, Now96, YH00, AG05a, Ant13, KNP16, Sha98, TCCW89, TYKK01b, VA05]. **-decreasing** [DKK94]. **-designs** [AX20]. **-dim** [HA21]. **-dimensional** [AJ24b, BM18, DhW09, Li16, SHL19, SWCH15]. **-dimensions** [TWMP20]. **-EM** [LZQ22]. **-energy** [DE18]. **-extension** [TM05]. **-FEM** [MS00, Yos00]. **-finite** [AS97, Bür12, SGS00, Lee23]. **-fraction** [CJM88]. **-fractions** [Lev91b]. **-function** [Sus10]. **-functions** [Gem23, LZZ22]. **-Galerkin** [SL22]. **-Laplace** [LC20]. **-Laplacian** [ADM22, FVGS13, LZJ21, PK21]. **-lattices** [AHGM21]. **-mapping** [XZL07]. **-Maruyama** [WGW15]. **-matrices** [Wan96]. **-matrix** [HB02, BB24]. **-method**

[CHZ14, DFLM19]. **-methods** [CD20a, Gan09, Sca22, SW95b, Nov08, Sch95b, BGT97]. **-Milstein** [GHHG22, RT20]. **-model** [JN07]. **-neuron** [Bho11]. **-norm** [CXZ14, HAC22, Dol14, LCH20, WCS21]. **-order** [ZZW97]. **-orthogonal** [DM97, MdR05, TJK18, CKL03, FRV11, dACR10]. **-penalty** [Zho18]. **-periodic** [Jac88, Lem88]. **-phase** [TCCW89]. **-point** [EHM01, LS21, ZZW97, Gil10, MV20]. **-product** [EJRR23]. **-property** [THW19]. **-quadratic** [LL02]. **-quasilinear** [Ben98]. **-refinement** [DF96, FM95, JP17, Zeg97]. **-Robust** [WCS21]. **-soliton** [GT19a]. **-spectral** [tSqWyG16]. **-stability** [BC89a, Cha96, Ort20]. **-stable** [ST89, GPHAM12, SCvdH92, SS09, VDVV98, YXX24, ZZW97]. **-stage** [NBNTGV11]. **-step** [GH91]. **-superconvergence** [BSGU94]. **-Sylvester** [JP19]. **-symplectic** [BIJ23]. **-tensor** [JL23b]. **-tetrahedra** [PPS05]. **-th** [AL09, AB15]. **-transformation** [BHHS10, NZY21]. **-triangles** [PSP04b]. **-type** [Fdi97b]. **-uniform** [FR01]. **-version** [AK00, AM16a, CS09, Gwi09, JJ94, KJ99, Mai06, ML91]. **-versions** [Mus11]. **-virtual** [DGE22]. **-weighted** [Muo23].

/Smad [MDD18].

0012 [De 02].

1 [BRS+18, WL24]. **1-D** [WKM04, WL24]. **110** [Bic21]. **125** [YP18a]. **12th** [MH89]. **16** [Kni95]. **160** [AS21]. **18** [Tsy96]. **19th** [Ano02g].

2 [AAB+22, BRSD91, BS94a, JLH13, SSR23, WVBM88]. **2-D** [SSR23]. **2009** [Wen10a]. **2021** [Ano21p, Ano21o, Ano21s, Ano21t, Ano21n, Ano21q, Ano21m, Ano21r]. **2022** [Ano22q, Ano22t, Ano22s, Ano22w, Ano22u, Ano22p, Ano22o, Ano22v, Ano22n, Ano22x, Ano22m, Ano22r]. **2023** [Ano23t, Ano23r, Ano23m, Ano23v, Ano23s, Ano23o, Ano23n, Ano23w, Ano23q, Ano23p]. **2024** [Ano24k, Ano24i, Ano24h, Ano24l, Ano24j]. **20th** [HSX18]. **2D** [BP95, Chu03, LTC03, YHT23]. **2D/3D** [YHT23]. **2nd** [FJ97, KP07].

3 [BtTBV87]. **3-5** [Ano87a]. **335-345** [Ano87a]. **3d** [EH05, CML05, YHT23, de 92b].

4-th [KK23]. **4th** [FL24, LHX20]. **4th-order** [LHX20].

5 [VV95].

60th [CHM09]. **61** [ZCSH11a].

8th [vdHSW98].

90-th [EST15]. **95j** [Kni95]. **96g** [Tsy96].

=1 [Bra00].

A-EFIE [LCJQ12]. **A-posteriori** [BM13, CMP03, MWC21, SZ09, Sha21]. **A.** [Ano87a]. **AB2** [LT12]. **Abel** [DSK12, MK21, PRS23, SVB17, SS16]. **Abramowitz** [Mac92]. **abrupt** [Sal93]. **abscissae** [Joh05]. **absolute** [CYYH21, DS20, DSS20, JL21, MYSC17, NSCC19]. **Absorbing** [BG11a, EZ98, TY98, AG98, BDSG09, BP97, GD22, GD23b, HD04, PXHZ20, PG21]. **abstract** [RT14]. **Accelerated** [Liu24, TWH21, Bog12, Boy91b, HPY92, Zen21]. **Accelerating** [PKSB10, ZB19a, ITZ17]. **Acceleration** [BL86, DE16, HL02b, SC08, VVR08, Ben98, BRZ10, Fdi97b, FL01a, GM94, Hau88, Ise94, Kru99, Kza92, Kza99, Lav94, LS99a, Lem88, Lev91b, Lev91a,

LSGK15, LHT20, Sid10, Zha97]. **accelerator** [PCA10]. **accelerators** [Cuy90]. **acceptance** [HP15]. **Accuracy** [BVB09, FG09, Hun02, LWD+09, Tur86, Bal00, BH12a, BPTT15, DT10, DS15, EN09, GMGF02, GT18, LH21, LHC23, LK07, NW09, Rou20b, RGK21, Rum87, SG00, SGN08, Tsa91, Tsa92, XXYZ24, XY24, YF24]. **Accurate** [CH95a, Enr06, FL04, Hua19, JBLC11, JCSR03, KK17, vdES04, ACP24, AES15, ACLM22, AHB20, AS20c, BP14, BF15, Bos09, CGA93, CL85, CS08, CRU15, DRVA20, DL22b, ECHF+20, Fac03, HHR12, HOEC86, IR22, Kop89, KLSW06, KK20b, KK22b, KDS22, LO22, Li23, LAH09, LBCN00, MCS16, Mat05, Nic86, PNA21, Qiu23, RZ00, RA03, Sac93, SC20, Sid23, SS10, TDPU17, WDU21, Zak20, ZWJ18]. **accurately** [SB18]. **achievements** [AB09b]. **achieving** [RB12]. **acidic** [BMP05]. **Acoustic** [AL87, HD88, CAAT16, GGN12, GKB+22, HD04, HM86, HMP14, KJL12, KL07, LH11, Lee94, MN24, OL18, RX08, ZP24, ZL24]. **acoustics** [AD15, Har98, HX11, LY16]. **across** [Gea93, GX93, Jéz99]. **act** [Ise02]. **activator** [ZZJ21]. **activator-inhibitor** [ZZJ21]. **Active** [CG13, NU15, CPY20, HO16, HMW05, LWaZ24, LT05, RU07, Sch09]. **Adams** [ZJH18, AM95b, AGM95, IM98, JL91, Sha87]. **Adams-type** [AM95b]. **Adaptation** [BMGM12, Bai97, BS97a, But92, CLGD06, FMP04, JM94, Ram94]. **adaptations** [in 96]. **Adapted** [AEG12, Aso21, Fra04a, FM11, GHW01, HT20, KTYY24, Lin01, LE94, Mat09, TZ00, Van00]. **adapting** [Kos02]. **adaption** [BS94b]. **Adaptive** [AFS11, BCS17, BGS06, BB24, BBRBS09, BH97, CP97, CSX23, DGM22, DGD03, DM10, DJJ+15, FL09, GZZ19, GHKM09, GS89, IM00, KPRU20, KESYB23, KCW16, KMS10, KS09c, Lan97, LOS03, LGH11, MS05, MT05, Mol95, NRWF08, PSP04a, Pet87, Sar05, SFJ+05, YPD21, ZWK15, AJ24a, AS97, AF23, ABR05, AF89, AS06, Aug89, AFLG+12, AFLP12, AFF+15, ÁMS17, BLS94, BHJ05, BS21, BS14b, BKP09, BKR13, Beh97, BS00a, BC08a, BCU00, BF92b, BTP96, BLY16, BFA93, BDF94, BV94, Bor97, BHR05, BF95, BD11, Bür13, CHR03, Car09a, CK22, CR05, CXZ09, CL01b, Chr96, CY05, De 06, DF96, Dol14, DMR18, DGRS09, DH07, Ein18, FD97, FVB05, FMGN94, FM95, FLÖ+97, GMZ11, GV18, GGO12, GGO16, GS20, GDS+15, GM17, HKZ08, HS22, HW97, Hop23, HWCF15, HSY18]. **adaptive** [IS23, JD09, JGK11, JOL23, Kal96, KDT17, KL23b, KS09b, LW93, Lan95, Lei99, LD10, LLS+96, LC20, Log04, DLM16, lLX22, Man96, MRF00, MZS10, MMT90, MR94, Mit97, MCE+09, Moo95b, NK11, NMKE13, NRR06, NBP94, Now96, OT22, OZ96, PD96, PSWZ21, Pic05, Pow94, PRS20, QCW+23, Qui96, Ran15, RS20, SR09, SWW17, Shy86, Shy91a, Shy91b, SG09, SB19, TLQ21, Tho85, TLV92, TDW23, Tse00, Usm97, VO00a, VO00b, VNC21, Wal00b, WKM04, WPL16, WSS97, WZ17, XY24, XZZL15, XHYM22, YH18, YR22, ZH15, dDF+94, dSFDG20]. **adaptively** [Du11]. **Adaptivity** [Söd06, Bac17a, BCJ97, BLP01, GHH09, Roz05, DGN12]. **Addition** [MA04, Shy86, Shy91b]. **Additive** [GGR97, KC03, KFOF02, Bac18, BTBR20, CGH23, CL18, DLN04, FL01a, GCHR06, HR06, HLY22, KC19b, Kha21, KZ13, LT19, Mai09, MSGM23, MH04, MT20, NN13, Pan07, ST19, TN16, WCXL09]. **ADER** [BBD20, TH09]. **ADER-DG** [BBD20]. **adhesion** [NS12]. **ADI** [AD20c, APJ09, BHSW16, BHSW20, Bog16, CC20a, CQZ20, Den15, FG13, GPHA22, HEG16, itHT18, JM06, LZCF21, MG22, QXQ22, WLM21, WCS21, WCM21, WB03, WPL16, WPT19, YQCZ22, iW07, iW09, iM13]. **ADI-type** [GPHA22]. **adiabatic** [Rei99]. **Adini**

[HLY04, LH02]. **adjacent** [Bre91]. **Adjoint** [BL05, HS97, KS09a, ARSW05, CGT13, DG10, Gul15, RK08, Rob10, SW09a, YLL21, ZX22]. **ADMM** [MBS23, SZY21, SGY22]. **adsorption** [SXL22]. **advancement** [SSS21]. **Advances** [SP99, BRW21, BM09, JN02, Spi99]. **advected** [AD15]. **Advection** [IHS13, AJ24b, ABR05, BN12, BM04b, BM04c, CdFN01, CK20, CRSF19, FMP04, GPPR12, GPHA16, GS94, HM15, HAA21, Hin95, HT94, HV95, JRS20, JR18, JL17, KHB22, KOW05, KL09, KZ21, LKV01, LR18b, LWYG22, LLT20b, lLNW21, LS21, Liu09, LYZW22, MN23, MSGM23, MOU14, NMB10, Ort20, PSWZ21, wSJP15, SA19, SvdVvD06, TS23, Tro96, Usm97, ZM19, ZG21, ZLWF21, dlHV13]. **advection-diffusion** [CRSF19, GS94, LS21, LYZW22, PSWZ21, dlHV13]. **advection-diffusion-reaction** [GPPR12, MN23, wSJP15]. **advection-dispersion** [JL17, ZM19]. **advection-dominated** [Hin95]. **advection-reaction** [HV95, KZ21]. **advection-reaction-diffusion** [CdFN01]. **advective** [FMU15, GJR03]. **aeroacoustic** [AF04]. **aeroacoustics** [HG98]. **aerodynamic** [Jam93]. **aerodynamical** [De 02]. **aerosol** [DS07b, SB03]. **aerosols** [DS07a]. **aerospace** [Buc04]. **Affine** [WD22, BMM03, BSZ99, GGO13, dRT99]. **Affine-invariant** [WD22]. **affine-scaling** [dRT99]. **against** [Jes93]. **age** [AM95a, DFLM19, DZMB21, MPV24, NK24a]. **age-dependent** [DFLM19, DZMB21, NK24a]. **age-of-infection** [MPV24]. **age-structured** [AM95a]. **agent** [LSGK15]. **agent-based** [LSGK15]. **aggregation** [AL20, GJV08, LS16, Mar03]. **aggregation/disaggregation** [Mar03]. **Air** [MZ87, DS03]. **airfoil** [De 02, KTS03, OK98]. **Aitken** [BKP15, Fik23]. **AKNS** [Ma24]. **Alexisbad** [vdHSW98]. **algebra** [BRW21, HP91, LSK12]. **Algebraic** [AHA23, DSV13, KS89, PS09, ST89, VV02, AB10b, Arn93, ALP+96, Bai96, BL05, BCG21, BKP09, BHSW16, BHSW20, BDF89, BVV09, BG02b, BS18, BS20b, BC95, CC90, CG92, CCM02, CF13b, CC20b, CM04, CMS04, CMS06, DS05, DS21d, ELLE02, EGL09, FTB97, Fuh01, GMG19, GGR97, GJV08, GS92, HGP11, Has09, HY02, Hig93b, Jay95, JW01, KM17, Kau93, KP15, KKR15, LP05, LPZ00, LLZ+22, LYLL23, LM22b, LS98, Luc05, MP96, MDT05, Mar99a, Mär95, Mär02, MT11, Mur99b, Oji88, Ost93, PPT02, Pis22, Pul09, PSL18, RA05, SST04, San03, SA12a, SMEN04, SM93, Sch12, Sch98, Sch02, SG06, ZFC20, ZP97, ZP98, Zla85a, vB95, Ney95]. **Algebraically** [HH10a]. **Algorithm** [Jac87, RBBC85, ZW87, AG05a, AB97, AC10, AM16b, AL05, BHJ05, BC99, Baz03, Bec02, BLY16, BDFV95, Boh03, BSV21, Boy91b, BWEP95, Cao03, CL08, CW20, Car94, Car09b, CS04, Che88, CZ90, CCY22, CLL23, CL01b, CMS06, CRSF19, DZ12b, DW15, Din19, DSAB20, DS02, DSW96, DHS05, DH94, DS10, DY03, DZMB21, DJJ+15, EAS12, FLS94, FD97, Fdi97b, FBM17, Fre91, GZW22, GGN12, Gla94, GGS04, GH20, HS02, HJR22, Han19, HM15, HD23, Hua98, Hua17, HT20, IS22, IB24, Jia00, Jia02, JY20, JBLC11, JP93, KBK21, KCS07, KM21, Khe91, Kni94, Kni95, KDS22, LTC03, LZ13, Leo10a, LG87, LD10, LHC23, LWLW24, LHX20, LSWW22, Liu24, Lo06, MK14, Man96, MD23a, MC00, NH24, NMB10, O'L87, OZHP23, Ou11, PGS10, PM91, PLI03, Pic05, PPC00, Poh93]. **algorithm** [PRS23, PMP23, PM14, QCW+23, Qiu23, Qui96, RA03, Ria22, RU15, Sad97, SHL19, SAA20, SMC08, SNOK21, SWW17, She00, SXP09, SYW22, SS10, SC22, TWMP20,

Tan87, THW19, TLGC22, TLV92, TGV22, Tou97, Wag98, Wai98, WZ14, WB90, Woź10, WYP12, WPS18, XZL07, XZZL15, XGQ20, Yam23, YH18, YXZL24, YWH20, YZH19b, YLH20, YLW20b, ZXYW22, ZY23, ZLS20, ZP12, ZB19b, HM17, LFS15]. **algorithmic** [Sae14, BV94]. **Algorithms** [DGCW17, GV18, KP07, LS16, NRR06, ST86, VVV24, ZWK15, AY21, APA92, AGKK94, ABCC18, BS91, BS93, Bre96, BHHS10, BF95, CL01a, CG92, CP97, CG89, CDW13, Con89, CSM07, Cui04, DE16, DMM24a, DB08, DC09, FS19, FL93, FG01, FS88a, For02, FL01a, FN95, FCW20, GHKM09, GS89, GPMPR03, GN86, HKZ08, HP91, HGZW21, HL19, HWY20, HH10b, IMM04, Jam93, JMS99, JW01, JMP06, Kim95, KFOF02, KW12, Lab98, Lab99, Li11, LGH11, LLL12, LS93, MH16a, Mai06, MP98, NT20, Noo95, OP04, PSB91, PRST02, PH91, PT15, QAMX17, QM19, Riv09, RRMJ12, RN04, SP99, SY03, Sch91, SH10, SQ17, SKO19, Söd06, Spi00, SSKS21, Ste05a, SZ99, SL01b, SND19, TQY24, WH19b, WS21, Wan23, WG18, WWF20, YK04a, YP18a, YP18b, ZC91, ZHL22]. **algorithms** [Zha07, ZS21b, dPT96]. **aliasing** [BSQ96]. **Allen** [BCM04, GZQS23, HPH20, HGZW21, JZXJ21, LMPS19, LCK22, TZ21, YYZ23, ZXYW22, ZYQS21, ZYQS23]. **allows** [GGS04]. **alloys** [WM08]. **almost** [But97, Vic92]. **Along** [Eis86, uIVS13]. **Alpert** [HAML21]. **Alternating** [SN22, AD20c, ACM91, BLD17, BMSZ21, CXZ14, DP85, DY03, GX11, JL94, LLZ19, Liu21, MPHFP23, MLB97, Phi87, QWX20, SI20, WH23, ZHJ14, ZN21]. **alternating-direction** [ACM91]. **alternative** [BDDV12, CP10]. **alternatives** [ADSS17]. **ambiguity** [CFV10]. **American** [ALY03, BAD13, Bi20, CXZ15, GK22, HFL13, RP17, ST11]. **AMG** [DSSC13]. **AMLI** [AV91]. **among** [CLP15]. **amorphization** [ZAB15]. **Ampère** [SWR11]. **Amplitude** [PM05, CJ90, Lyn99, Mur19]. **Amplitude-shape** [PM05]. **AMR** [BS94a]. **AMSS** [CF13a]. **analyses** [DL20, HHR12]. **Analysis** [AHT17, AS20a, AMCR17, Ano02g, Bac16, Bac19, BBD18, BK17, Bec18, BCCHM21, BBBN21, BJS12, BC23, BGHR12, BGH$^+$15, Cai15, CCQ$^+$23, CDGA17, CR23a, CH07, Cod08, CG16, CA15, Cui04, DA16, DGCW17, DW21, DG22, yDqGnJT09, ELvdHS98, EN09, Fra16, GMM09, GS18, GJV08, GGO13, HN03, HJZ23, HW04, HS96, HS09b, IV16, JEG10, KTD20, KLY05, KvyS15, KKE16, LHS00, NV23, Par14, SZE20, SRMDRL23, SLMD21, Sid14, TMS87, VCC12, VT93, WR20, XLZ23, ZdBT03, vSW90, vS93, AG98, AGLRS23, ABdSG23, AA22, AKGR14, AMH24, ADNR21, AGP97, AL17, An20, ASV19, AGQ$^+$24, AMH03, Arn95, AC16, AAD14, AS20c, BBV13, BMSZ21, BT97a, BS21, Ban97, BM13, BGG04, BBS11, BCFQ19, BCFQ21, BM00, BLRGVR23, Ben17, BN12, BRVC09, BC04a, BLM17a]. **analysis** [BDFF23, BW15, BS09, BFLR23, BM09, Buc99, BS12, Bus06, CFCH09, CCOVF22, CFKS07, CG03, CGMS21, Car23, Car94, CST18, CSW19, CKB13, CXZ09, CHS19, CWX21, CKK10, CL18, ÇK13, CD20a, CDJT06, DMS23, DD19, DKSS24, DEPS15, Dav98, DLN$^+$24, DG10, DR09a, DA17, DA19, DK20, DYX09, DLM20, Dob05, DLN04, DLQZ23, EE20, EL01, FF20, FFY08, FV85, FTB97, FH10, FSB97, FR14, FLR08, FL24, GAML04, GT15, GLV03, GGN12, GHH09, GD21, GGMP88, GRLL01, GKT10, GS94, GJLL20, GH20, GZHQ23, HZ09, Har93, HH22, HZ20, HZD21, HM00, HB20, HL19, HH10b, HH18, HM22, HAC22, HO16, JMDN$^+$22, Jac93, JKN94, Jam93, JLZ20, JT88, KW21, Kel85, KHM$^+$19, Kok08, Kom07, KS04, KQ13a, KQ13b, KN93, KKR15, KAS17, LRS23, LHC09,

LPT94, LZ13]. **analysis** [LWD+09, LPZ00, Li01a, LW19a, LSWM19, LSP20, LW20a, LLVX20, LLY21, LA21, LWaZ24, LSG24, LZW17, LT01, Liu09, LW18b, LHX20, LS20, LCZ21, LD22, LARGVR23, LRT99, LRE04, MK20, MB08, Mag91, MO17, MP96, Man97, MMDH19, MT11, MN24, MM07, MCBV20, MW24, Mir20, Mit22, MFAD23, Mok17, NN20, Odi19, OL18, Ort20, OS12, OCVW22, PD96, PKP19, PFHL09, PA05, PH17, PSW02, PSL18, Qi24, Quy19, Ran15, RSK24, RLHC19, RKR20, RAOC18, RGL16, RGMO19, RREP+20, SHL19, SA21, SMEN04, Sch16b, SS94b, SS19, SW94, SZ12, SY18, SJ20, SL20, SW20a, SW21, SP22, SNW22, SD24b, ST05, Sou09, SHG86, TLP18a, TLP18b, TX18, TH18, TLGC22, Tem23, Toc01, TZA13, Ton04, TLSS09, TD09, VBVA22, WDZS21, WY02, jWqW09, Wan17b, WSY18, WJW19, WG19, WW19, Wan20, WCS21, WHL19, WYY20, WL21].
analysis
[XZW19, XZZ19, XP23, YMD21, YZH19a, YLY19, YZC21, Yan22, YXZ18, Zak19, ZAED21, ZZ18, ZSG+20, ZLW20b, ZLW20a, Zha20b, ZYQS21, ZLX22, ZYC22, ZZZ23, ZSS23, ZL23, ZZO16, ZZX19b, Zhe07, ZKO+21, dPT96, dlC23, vdHVW01, BRW17].
Analytic [JR02, LZL14, Fat10, KMH21, Kza92, LSL11, Maj20].
Analytic-numerical [JR02]. **Analytical** [ADR17, BRS+18, ESEKZ10, HD04, MN23, AD19a, Boy91a, BH96, CSS19, GQ89, KDH20, SPYS24]. **analyzing** [MMKN17].
anelastic [Abr93]. **anew** [Mär02].
Angelesco [Lee10]. **angiograms** [QM03].
angle [ADK94, WL24]. **angular** [Sch23].
anharmonic [JZJ10]. **Anisotropic** [AL98, CDRT19, CZS04, CYM09, DMP08, Dol14, FMP04, Sim94b, AG05a, AGJM04, AKL08, DHM09, ESS15, FH08, FM11, GHH09, Li01a, LL20a, LQXK23, MCS06, MM02c, Ngu15, Obe15, OH20, QPT23, SW24, TSB10, Wei18, YW19, Yua20, dSFDG20].
annular [Phi91, YTZZ18]. **anomalous** [KDH20, ZJLA22]. **Ansatz** [GT15].
antennas [DDZK05]. **anti** [BMMZ06, BS20a, Has08, HJ17].
anti-diffusion [BS20a]. **anti-diffusive** [BMMZ06]. **anti-Gauss** [Has08].
anti-periodic [HJ17]. **antilinear** [WS21].
antitriangular [LMV17]. **any** [CYM09, ZZZ23]. **AOR** [JL23b, WWS07].
AOR-type [JL23b]. **aperiodic** [GPíP03].
APLA [DS02]. **APNUM** [LST07]. **APP** [Noo95]. **appearance** [SH91]. **appearing** [KM95]. **Appell** [AMT17]. **Appl** [AS21, Bic21, BtTBV87, Kni95, TLP18a, Tsy96, YP18a]. **applicability** [SBS24].
Application
[BFH09, CKP15, CJ90, DSA20, Ewi91, FKA+13, FMP04, HvdHV10, KCJP01, KRBK16, MS19, Rab94, Sid90, SDK15, AK00, AVMVMV09, ABKG21, AM16a, BKAG22, BG06, DLS22, Cao10, CAD03, CZS04, DF11, Die15, DG22, DSSC13, DC18b, FMS24, FMS18, FHM+02, Gan96, GS89, Gug05, HS22, HDS20, HWY20, HT20, HK09, Jor11, Kim12, LZZ22, LAZ20, LIPT18, LWCT07, MB08, MG97, MII13, MD21, Mur98, NLZB23, Odi19, PKP19, PYD21, PG02, QM10, RSK24, RDH+12, RKR20, RW87, SST12, Sam94, SS16, Sod91, SC22, Sza94, VG04, Vas17, WS21, WSP04, YY24, YLW20b, ZWK15, BS14a, BY22, BGG12, Guo00, LP01, Mur99b].
Applications [AB12a, BJS12, BW06, CHM09, DGCW17, DGRS09, FF06, FFMZ13, GD09, Gro94, KP07, LP00, MA09, VB99, AKM+22, ADNR21, AEA23, ASS21, AES13, ABCC18, ABRW18, BAA22, BRW21, BV96, By01, BR01, BKP14, BV94, BDFF23, BDRZ04, Buc04, Cao98a, CW20, CDRT19, Che12b, Coh90, DK11, DMP08, DKL24, DKK94, EH07a, FR14, FBM17, GM93, GS21, EEJB22, yGqWsWC05, GSW09, HGM+21, HHYD20, HS98, HL23, HZCZ23, JM16, JM94, KNN03, KF97,

KKLD21, Lai09, LWLW24, LGH11, LW20b, LSWW22, LO96, DLM16, MAD23, MMP20, Ost02, OTK04, PCA10, ROB17, Riv09, RV05b, Ror06, SSS+23, Sae14, SYW22, TLQ21, TLGC22, Wen05, WWLS08, YXX24, ZYQS21, vdHS01, LD02]. **Applied** [Rei85, ZCSH11a, AMT13, AMH03, AC96, Bac14, BMGM12, BTMT08, BJ00, BR20, Cas06, CBHM19, DZ12a, DS05, Den15, Fer14, Gol86, HHR12, HO10, HM00, HMW05, IHS13, KDAK16, LKV01, Lei99, LZ17, LZ22, LCM24, MOS02, MI03, Mol95, MM20b, RU21, SR09, SP22, SZE+92, SW85, VA05, VSeYD02, Wan96, WM07, ZZ19b, iW07, iW09, Ano87a]. **applying** [LWW22]. **Approach** [TMS87, AKM+22, AMT17, AS20b, AD99, AMV03, ARSW05, BMR+17a, Beh93, BMM03, BMGGG12, BDDV12, BBO03, CGT13, CCBGV08, Cao98b, Car94, CLR11, CGCMTR02, CXZ15, CD18, CCJ99, DPPR16, DD21, DN21, DS21d, DTGN23, Dou91, DS15, EB12, FJ17, FV85, For11, FCW21, GQ89, GHH20, GRGJ02, GKL07, GL17, GD23b, Har98, HP18, HD88, HP14, IHS13, Jes93, JCJP21, KHM+14, KK11, KHA12, KDH20, KS22, KL09, KZ21, KR15, Kür23, KDKW20, LO23, LG21, LBLT13, LMSW17, LKJ20, LN08, LP00, Lte24, Maj20, MP97, Mit97, MMM19, Mou03, Nes16, NV23, NT16, OT22, OAHN22, PB21, RV09, RMS17, RGA19, RGK21, SC11, SK97, SH09, SW95d, SWR11, SSS21, TS23, VBH96, WCW14, WPL16, Yan22, Yüz22, Zan01, ZPT92, ZW19b]. **Approaches** [CHR03, Min87, AAD+08, Buc99, CC23a, CKS05, Dat99b, DMH18, JUAZ22, LWD+09, LW21b, LL20b, SMTHE22b, SMTHE22a, Sv95, WL10]. **Approaching** [DL13]. **approximant** [MV20]. **approximants** [Ari87, BW15, Cat10, CPD+05, CV88, Dar90, DMGVO05, Gil10, GVP93, IN89, KS91, Kid90a, Mat91, MdR05, OGV92b, OGV92a, Pre90, Pré95, Sad97, van86a, vI87]. **Approximate** [AM09, BLS+17, Huc99, MK21, SdSC99, AKM+22, AD18a, BF92a, BT99, BSV21, BSvdV99, BWY17, BVB10, BVRB14, BG02b, CG05, CKM10, CD18, DS97b, Dun18, ELvdHS98, Enr06, EGH01, FV99, GV02, HG98, JMPY10, KCJP01, Mag91, MKN23, MSS21, Not92, SDG20, SY05, SHG86, TZ00, Tar98, WZ02, WMC09, Zha00, Zha14, ZPT92, GPHA16]. **approximated** [WC02]. **Approximating** [DJL04, DS01, GS17, MMRV20, Wan17a, BRTB19, DSM22, GKS20, Ito17, JJL+24, Kos02, LR01, QNA23, Rab94, RMH20, Sim94a]. **Approximation** [ARGA00, AK00, AB14, BM89, BS24, DO17a, EL94, Fik23, HP97, IKR+22, KL98, KCS07, KS01, KP01, Lyo12, Wen10a, ACKV24, AQJ18, AQ20, ABJ12, ABK12, AY22, AEG12, An16, ASZ18, AC23, BC12, BLD17, BDGP96, BDP99, BD07, BM05, BFQ22, BKR13, Bel91, By01, BGGG13, BM04c, Bho11, Bho12, Bla00, BG14, BDV17, BO11, BP85, BMV06, Bre02b, Bre10, BE99, CY23, CFS13, CF13a, CCdlH20, CGW20, CLX21, CWP21, CYWH22, Che12b, Cho13, Cod08, Con20, Cop03, CF05, CD05, CCM17, CLS04, Coy12, CJ22, CMP23, DZ12a, DDP12, DO17b, DLN+24, DR09b, DDNZ18, DMGVPO09, DB95, DCJ20, DL06, DAMA23, DR93, EAS12, EGH01, EHV24, FF20, FT06, FJ95, FJS99, Fun94, GS24, GS15a, GP00, GKKM21, GL17, GN86, yGqWsWC05, Gwi09, HGM+21, HB02]. **approximation** [HPS12, HHT97, HSS04, HR14, HQAZ24, Hin97, HW93, HJX+19, Jad94, JWZ21, JM05, Jun06, JT06b, KP18, Kał22, KBS11, KK11, KO92, KESYB23, Kha21, Kid90b, Kie17, Kim14, KPR12a, KX03, Lee23, LW04, LHWF08, Li16, LSY17, LWW20, LS12, LC99, LCH20, LSW23, LMS08, Lor10, Lu98a, MRF00, MN20, MS02, MN24, MS13, Mit22, MD21, MG22, MHL18, Mot17, Mur19, NY13, NWL+22, Nke07, NS16, ORT24, Odi19, PR09, Pas91, PH17, PM14, PWX24, Ril92,

Rog19, RMS17, RX08, Ror06, RA09, Sad96, SRK22, SSZ16, SYL+20, SYW22, SA20, Sol15, SD24b, SA19, TKN11, TY03, Vab21, Vas17, WTB24, WQ17, WSY18, WW19, WZZ21, WWM22, WYYL19, XY24, XL09b, Yam23, YY13, YR09, ZRA23, ZZ19a, ZW24, ZEW20, Zho17, ZB19b, Zou10, ZCC11]. **Approximations** [Ghe97, Sub04, AL95, AOW94, AMCM09, AD23, AD01b, BKM13, BM00, Bok03, BBD24, Bre06, Bre96, Buc06, BGS02, BC00a, But09, CCDJ20, CC90, CHSS01, CJX11, Che12a, CPY20, CL18, Coh90, CSM07, DRVA20, DDZK05, Dek17, FJP17, Fun90, GT15, GG22, GT00, GS20, GJ00, Gol00, GO21, GGG16, GND19, HCY18, HN22, JV09, KTD20, KPY15, KZ13, KW93, KK22a, Len00, Li11, Lia22, LX09, Lyn99, MM22, MS99a, MT06, MV17, MP15, MD23b, NB01, Nov08, PGS10, PS19, QAE+09, RF16, Ren14, SA12b, SS19, Ske99, SN04, Tol04, TC19, VR01, WAV12, WWLS08, Xu13, YLL09, ZM19, ZP24, ZCZ15, ZL18b, ZLWF21, ZXW17, Zup03, dSFDG20]. **April** [TLP18a, Ano21p, Ano22q, Ano23t, Ano24k]. **aqueous** [BMP05]. **aquifer** [MNR14]. **aquifers** [AMRR18]. **Arbitrarily** [HGZW21, JWG20, XXYZ24]. **Arbitrary** [ABI22, JQSC22, ÖT20, PGM86, Bal00, BS00a, CLS04, CG14, DM09a, FBM17, GRGJ02, RVD00, Tol03]. **arbitrary-order** [Tol03]. **arc** [YZH19b]. **arc-search** [YZH19b]. **architectures** [BC99, JP93, WWS+93]. **arcs** [DSV13, HLL09]. **area** [AMV03, LCZ23, Sal93]. **areas** [CCM17]. **argument** [Bic16, DGS24, ZLJ20]. **arguments** [BF20, Hu99, LZ17, XZ19]. **arise** [DL01, ZNK02]. **arising** [Aff94, AA22, ABFV09, AC08, BK06, BVT14, BR94, DSM22, CG92, CKM15, Elm02, FBS09, Guo96, HAN23, Hua98, Iga85, KO96, KAS17, Le 12, LMA18, NA21, Pea16, Pło22, Por17, SS99, Sch87, WPT19, YLW20a, ZR21]. **arithmetic** [AA04, HFL13, LMO24, LSK12, MA04, PH91, Sch87, Sch89, Ske99]. **arity** [ZZZ23]. **ARK** [BR05]. **ARKN** [FW07, Fra06, Li19, SWL20, YW08]. **ARMS** [SST04]. **Arnoldi** [AR23, AB14, BNKR20, GNNR19, HJR22, Hey10, Jia02, RS08b, SW95b]. **Arnoldi-type** [AB14]. **arrows** [AB12a]. **ART** [San03]. **arteries** [TDC13]. **Artificial** [AEK23, MP85, AK21, DK20, EK96, LW04, LWYG22, Nor97, QL15, RGÖS18, Rya00, SGN06, WL18, WS04, XL23, XL09b]. **artificially** [LT23]. **artificially-damped** [LT23]. **ascent** [SYW22]. **Asian** [BNV06, ZO14]. **aspect** [ML91, NR97, Pic05]. **Aspects** [Gar87, AR23, BV94, BLL24, Dal00, Fun90, GEGG+20, GKT10, KPR06, LA12, MdR05, RLMG24, vdSvdH95]. **assembling** [NRR06]. **assembly** [BMR+17a]. **assessing** [LMPS19]. **assessment** [BDSG09, LS07b]. **asset** [Bi20, CF08, ZJH+23]. **asset-price-dependent** [ZJH+23]. **assigned** [CMP15]. **assignment** [LB21, OP04]. **assimilation** [DC21, RW87]. **assisted** [GIS23]. **Associated** [RdAP96, BHSW20, BCC16, Bic21, CDG19, DB95, DR01, ELR+15, Gas92, Hua19, JK21, Jou05, Mar94, MYSC17, NSCC19, Wu03, dACR10]. **Association** [MH89]. **assumption** [PRS20]. **assumptions** [DK21]. **astronomical** [CG03]. **astronomy** [BCF+13]. **asymmetric** [GNZ21]. **asymptomatic** [ABdSG23]. **Asymptotic** [AV91, BGT97, Bor10, CFCH09, Han93, IKM23, Leo10b, LC99, LX09, LTT19, LLZ+22, PT09, Wan01, ZP97, ZP98, AL24, AGK24, By01, BGG+20, Bre88, BS12, DC09, Fel06, HH98, Has13, KM17, KS07, LZL14, LS24a, Sch04, SS21, Wal90, Wan17a, WW24, Yi12]. **Asymptotic-numerical** [IKM23, LTT19]. **Asymptotically** [AB10a, AW14, Bac21b, BSV09, Kim21, VA21, XYHM20, ZWJ18]. **asymptotics** [CMR12, Sus10].

Asynchronous [Per99, AAI+93, TDPU17]. **Atangana** [Hey20b]. **Atmosphere** [DRC85]. **Atmospheric** [Beh97, AB97, Bou02, BN03, BBO03, KW98, SKAW12, VS95, VBH96]. **atomic** [CCP04, Lei99, LW04, PCA10, XL09b]. **atoms** [MT05]. **attraction** [BS24, CN16]. **attractors** [CGPT19, QR03]. **Augmented** [CSM07, ABKG21, AL05, BBG14, EAV16, Hua21, Liu24, SW85]. **August** [Ano21o, Ano22t, Ano23r]. **Author** [Ano01a, Ano01b, Ano01c, Ano01d, Ano02a, Ano02b, Ano02c, Ano02d, Ano03a, Ano03b, Ano03c, Ano03d, Ano04c, Ano04a, Ano04b, Ano05a, Ano05b]. **auto** [LM22a]. **auto-convolution** [LM22a]. **Automata** [CFCH09]. **automated** [SPS20, SW94]. **Automatic** [BSW93, RH92, Bür13, DS02, MCE+09, PRST02]. **autonomous** [CL01a, DM11b, LMTW20, MT20, SB14]. **auxiliary** [HMD21]. **avascular** [LBLT13]. **average** [CMP06, Has08]. **averaged** [DRS19, DDRS24, RS21]. **averages** [AB12b, DJL04]. **Averaging** [DD97, BP12b, CCMSS11, CSSZ20, CH90, Dal13, EK95, FVGS13]. **AVF** [HL21]. **Avoiding** [CGPT19, Hin95, PJB04]. **awareness** [SAMSB20a]. **AWENO** [FGGL22, WLG22, WDL23]. **axially** [DII15, LDIW16]. **axis** [AX19, GHKM09, GS09, IMM04, LMO24, MI03]. **axis-symmetric** [AX19]. **Axisymmetric** [Mac86, AC08, Nke07, Sel14]. **axons** [LFL14]. **AZTEC** [SW86].

B [Bas21, CGMS21, DK11, GV18, Joh05, Li05, MST09, RK08, RTA19, Rou20a, SRK22, SYG+05]. **B-series** [DK11]. **B-spline** [Bas21, Joh05, MST09, RK08, RTA19, Rou20a, SRK22]. **B-splines** [CGMS21, GV18, SYG+05]. **B-theory** [Li05]. **back** [BF99]. **Bäcklund** [Car19]. **Backward** [AGP97, BS21, Ber86, CGH23, CHK99, DMA22, Fre98, HM01, HJ17, HJ21, JL23a, LW18b, LMW23, MFAD23, MD20c, RO16, Saz22, SWW16, SM20, Ske89a, Ske89b, SD24b, SND21, TLG20, TOD11, WL09a, YXN21, Zhe19]. **backward-facing** [CHK99]. **bacteria** [CST18]. **bacterial** [SL22]. **bad** [FVB05, Mul99]. **Baer** [TKN11]. **Bakhvalov** [NV23, ZL21, ZL22]. **Bakhvalov-type** [NV23, ZL21, ZL22]. **balance** [AMT13, AL20, GBBC+23, KR12, LS16, Mon21, QAE+09, SMW21]. **balanced** [AHT17, BDMG12, FGGL22, GBBC+23, KTK20, KD13, TK15, Udd20, WL09a, WLG22, WDL23, WC24a, YTC24, Zha20a, ZGDL17]. **balancing** [Chr96, DBH+05, FLÖ+97, dDF+94]. **ball** [GS21, SG04]. **Banach** [AHAS21, ABM17, CCOVF22, CP03b, DE16, DMA22, GIS23, GH21, PGA93, VA21, Xu23]. **band** [BG06, LLM19]. **banded** [Con89]. **bank** [Wal00a, Wal00b]. **bar** [Meh08]. **Barbamarco** [RI02]. **baroclinic** [Bou02]. **barrier** [BP14, LRT99, NV23]. **barrier-function** [NV23]. **barriers** [FV01, Hin95]. **Bartels** [SMC08]. **barycentric** [ABH22, BFK11, Elg17, HA16]. **Barzilai** [AX20]. **Base** [dG91]. **Base-** [dG91]. **based** [AD19a, AD20c, AHJM19, AJ19, ABH22, AQJ18, AQ20, AGLRS23, AJ24a, AK21, AK09, AEMX17, AAH21, ABKG21, AM95b, AGM95, AD99, AGJM04, Aro96, AAD14, AD18b, AD04, AFF+15, AEN22, BKAG22, BMGM12, BY09, BCS17, BES18, BKP09, BBW19, BNKR20, BCGS24, BM04b, Ber86, BLY16, Boh03, BDFF23, BZ96, Bru93, BT97c, Bür12, CGS19, Cai15, CCOVF22, CHZZ06, CGMS21, CDGA17, CDD+17, CDW19, CW22, CKS05, ÇK13, CNS00, CDP12, CST97, CSM07, DdSF07, DS21c, De 02, DA18a, DA19, DSAB20, Dol14, DY03, DZMB21, DT89, EFLFP09, FK23, Fra06, FV87, FM07, FCW21, GMG02, GIS23, GHKM09, GM18, GHH20, GK09, GG19, GD21, Gje07, GPHA16, GGR97, GH21, GD22, Han19, Har98, HSS04, HL08,

HDY21, HV22, HNP17, HFL12, HCW16, HT20, HS21b, IB24, Jam95, JY20]. **based** [JLH13, KKT16, Kam16, KDT17, Kan04, KM19, KB21, KHYY21, Kok08, KM11, KW12, Kru99, KK20b, KAS17, Kür23, LG21, LHH96, LCHR03, LS16, LY10, LWD+09, LSK12, LR20a, LFQH21, LWLW24, LHÖ13, LSGK15, LFS21, LSWW22, Lo06, LYOI99, LP97, LS98, LZY09, Lyo12, MH16a, MB10, MSZ+24, MWC21, MZXX24, MO01, Mat91, MS08b, MKH16, MSS+15, Min04, MD10, MV20, Mit24a, MD20c, MKJ23, MHL18, Moo04, MJS23, Nes16, NWL+22, Nov03, OR18, PSP05, Par04, PGS10, PB21, PP24, Pat98, Pat00, PK21, PC00, PT15, PB10, PRS23, Pow94, QM03, ROL19, RSY12, Ric08, Ril92, RMK09, SMTHE22b, SST12, Sae14, SAA20, Sch08a, SW09a, SG96, SH10, SWW17, SK22, SXP09, SP22, SNW22, SL15, SSKS21, SLZ10, SL17, SH21b, SW86, TWMP20, TYKK01a, TLG20, TH23, TC19]. **based** [ÜSHT03, UHUL21, VV02, VBD93, VRC21, Wal00b, WL10, WJM22, WG18, XG22, XGQ20, XZT21, YCY12, Yi12, YÇ16, YR22, Yu99, YP18a, YP18b, YH07, YRV21b, ZDM18, ZBD24, Zen21, ZHJ14, ZO14, ZR21, ZLL22, ZZJ21, ZS21a, ZH15, ZZLL21, Zla85b, dAF17, dFN00, dSFDG20, BMSZ21]. **bases** [AA94, AFS11, DDHS97, GPP04, PR12, PRS23, Win04]. **Bashforth** [ZJH18]. **basic** [AR93, HSW99]. **basins** [BS24, CN16]. **basis** [Alb96, AD18a, BAD13, BG11c, CPZ17, Gar96, GS92, HA21, Jun07, JD09, KKT16, Kwe00, LH11, MH14, MKJ23, RÁM23, Roz05, SRK22, Sar05, SB18, SJ11, uIVS13, SBS24, Ste97, TLSS09, War92, XB14, ZM19, ZT06, ZHL03]. **basket** [DLM16]. **batch** [Die15, QAE+09]. **Bates** [itHT18]. **BBKS** [ÁKM20]. **BCH** [WC02]. **BCH-formula** [WC02]. **BDDC** [PSWZ21]. **BDF** [AS04, CC90, Hin95, LMY18, LS20, PH17, QXQ22, Sha87, SND21, Wan20, WWM22, YJ21, YQCZ22]. **BDF-type** [PH17]. **BDF2** [DK20, HS96, LT12, LWW23, LSG24, MSZ+24, XL23]. **BDF2-FEM** [LSG24]. **BDF3** [GZHQ23]. **BDM** [LN21, ZZ24]. **BDM-like** [LN21]. **be** [Mau08, Mul99]. **Beam** [CRR03, DRC85, TMS87, AC18, BH20, CZY18, CF13c, EKT19, HB20, LT07, Ma03]. **beams** [AMH03, CCS02, LR01]. **Beavers** [BSZ22]. **Becker** [DS01]. **beds** [VCN20, VNC21]. **Behavior** [CY98, Sch02, BGG+20, Cao97, KDS22, LPR00a, MPV24, Sim94a, Wal95, Wan01, WXY24]. **behaviors** [By01]. **behaviour** [Bre88, BIMV19, Bur91, CCP04, DLM02, LO96, MRS03, Sch04, SK01]. **Behavioural** [SMC08]. **behaviours** [Leo10b]. **Bell** [Yüz22]. **Bellman** [BGS06, FLS94, For11, RF16]. **Bel'tyukov** [SV00]. **bem** [MOS12, AD08, ADSS17, AFLG+12, AFLP12, AFF+15, BF15, CML05, CS09, DS07c, DG22, EH05, GMM09, GÖS20, GMS12, Gon06, HY01, JS09, KMS10, MS08b, NS12, PRS20, RV09, Sel14, ST14b]. **Benchmark** [GGO12, GGO16, AS00, NER95]. **Benchmarking** [BT19]. **bending** [HLC01, LR01]. **Bendixson** [BW21]. **Benjamin** [AJK20, AEN22, SJ20, WLY24, ZRA23]. **Berenger** [BP97]. **Bernoulli** [AC10, MDASAO21, Nap16, ROB17, SSC23]. **Bernstein** [GS15b, BRIP08, BWY17, BWS21, DSM11, HS19a, JBLC11, Win04]. **Bertalanffy** [RA17]. **Bessel** [Che12a, Har00, KM17, KW21, SS10, XGM08, XFG19]. **best** [JM05, PA91]. **Beta** [YC00]. **Beta-spline** [YC00]. **between** [BY22, Fdi97a, FLL11, Jia12, Kid90b, LLD18, MS08a, Mar99b, PSP05, QR03, Win04]. **beyond** [BWM21, SW95d]. **Bézier** [BRIP08, GS15b, JBLC11, ZSJ04]. **BFGS** [ABKG21, BKAG22, CD18, CSM07]. **BGK** [Ale11, JN07]. **bi** [DDK19, MMDS21, JP17, Ria22, SW21, SSvG10]. **Bi-CGSTAB**

[SSvG10]. **Bi-Conjugate** [Ria22]. **bi-directional** [DDK19]. **bi-fractional** [MMDS21]. **Bi-frames** [JP17]. **Bi-wave** [SW21]. **biased** [HL97]. **BiCG** [Sv95]. **BICGSTAB** [MC00, Fuj02]. **Bicompact** [AR15, BR20, Bra22, CR19, Rog19]. **bicontinuous** [RS22]. **bidiagonalization** [JY20, KBG04]. **bidomain** [BK09, PS09]. **BIE** [ZS18]. **Biennial** [Ano02g]. **Bifurcation** [KF97, ZG92a, ZG92b, HH10b, KBK21, Mar93, RSL89, YT03]. **Bifurcations** [RAS99, Eir99, RV05b]. **big** [ECHF+20]. **Biharmonic** [AS21, Chr01, HAC22, KM19, LHH08, MB10, NMB10, YZ22, ZBY19, HS21a]. **Bilateral** [CC23b]. **bilinear** [GGR97, Yan22]. **bilinear-constant** [Yan22]. **bin** [AM16b]. **binary** [CPY20, DLQZ23, HPW21, KBK21, SMW21]. **Bingham** [HS22, Mur15, TT03]. **binning** [DS07b]. **binomial** [DL01, MZN21]. **bio** [SK96]. **bio-chemical** [SK96]. **biochemical** [BRBM08, BBKS07, MCD20]. **biodegradation** [BM05]. **biofilm** [CL02b, HJZ23]. **biofilms** [CCK03]. **biological** [PGC01]. **biology** [DSM22, Dal00]. **bioluminescence** [CdCV03]. **biometric** [Sae14]. **Biorthogonal** [Bre02b, GTS20, MB08]. **biorthogonality** [BZ96]. **Biot** [BLY17, GLV03, GLV06, WSHC20]. **biotechnology** [AMV03]. **biperiodic** [Rat13]. **biplane** [QM03]. **bipolar** [Mol95]. **biquadratic** [HLZ06]. **Birkhoff** [NBNTGV11, CN17, FMS24, Mil17]. **Birth** [BMR17b, BLM17b]. **Birthday** [CHM09, EST15]. **bisection** [PSP05, Riv09, RRMJ12]. **bistable** [BS24, EV96]. **Bits** [WWS+93]. **bivariate** [BES18, BWS21, CDRT19, JBLC11, KP03a, MST07, OGV92b]. **Björck** [MP98]. **Black** [AAM03, ALZ+21, Bis11, Rou20b, RG21, iV09]. **blades** [ARSW05]. **Blair** [LVW21]. **Blended** [BM02, CL85]. **blending** [DSV13, LY01, MMP02a]. **Bloch** [DA18a, HLR18]. **Block** [Cao10, CV95, DB95, JM16, LZ17, LZ22, LN92, MM02c, Sim04, ZC10, AB14, BN99, BL21, BHB23, BLY17, BRRS15, BSV21, BDFF23, BT98, BM02, BM06b, BT00, Cao07, CL06, CZ12, DGD03, DS10, EJS04, FW22, GY94, Guo96, Guo01, GS08, HJR22, LVfP14, LR18a, LR18b, LAZ20, Mag91, Mor05, Nak12, Noo95, Not99, RS08b, RGL16, Sch89, SGY22, SXL22, SS13a, SCvdH92, TYJ11, WPS18, XXF22, YK04a, YG99, Yua93, Zen21, ZC91, Zha00, ZLJ20, Zha21a, ZYC22, ZZW97, Zha01, ZZ19b, de 95a, vC93, vdHS01]. **block-by-block** [ZYC22]. **block-centered** [LR18a, LR18b, SXL22, XXF22]. **Block-Cholesky** [LN92]. **block-diagonal** [BL21, BLY17]. **block-GMRES** [Mor05]. **block-iterative** [ZC91]. **block-structured** [DGD03]. **block-triangularly** [vdHS01]. **blocking** [AFS00]. **blocks** [BMR17b, MCBV20]. **blood** [AI19, PCRR17, WPAZ24]. **Blow** [ALMM96, ALMM98, ALMM01, BDKM92, Cho13, LYA+19, PVM22, SG92]. **Blow-up** [ALMM96, ALMM98, ALMM01, BDKM92, Cho13, PVM22, SG92]. **blur** [MRS10]. **blur-** [MRS10]. **Board** [Ano18g, Ano18h, Ano87b, Ano91, Ano93, Ano03e, Ano03f, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano04i, Ano04j, Ano04k, Ano05d, Ano05e, Ano11a, Ano11b, Ano11c, Ano11d, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano12k, Ano12l, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c, Ano14d, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano17k, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e,

Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e]. **Board** [Ano18f, Ano18i, Ano18j, Ano18k, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l, Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21a, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano22a, Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano24a, Ano24b, Ano24c, Ano24d, Ano24e, Ano24f, Ano24g]. **boards** [BLW02]. **Body** [PGM86, Arn95, CFKS07, HOS99, Lei99, Lei02, Mur98, PRST02, SK01]. **Boltzmann** [LLL08, MDA24, VVR08, ZCGS21]. **Bona** [AJK20, AEN22, SJ20, WLY24, ZRA23, ADM10]. **bonded** [Kok08]. **bonds** [ALY03]. **BoomerAMG** [HY02]. **Booster** [PSB91]. **Borwein** [AX20]. **Bose** [ZB07]. **boson** [MPMD21, ZH21]. **both** [BB98, CFLW22, CL07, Kop89, ZZHS18]. **Boubaker** [RR21]. **Bound** [TD09, BMM03, GJlL23, LLVX20, Yam18, Yu08, ZYH23, dC18a]. **bound-constrained** [BMM03]. **bound-constraints** [ZYH23]. **Boundaries** [Gus88, ADFR18, BHJ05, BDSG09, LR03, MMKN17, Nor97, Nor99, Rya00]. **Boundary** [AQS94, AM95b, BG11a, CHM09, Hsi06, ILS19, LT93, PT09, Pec09, SM85, TMS87, TLSS09, AS11, AL09, AyLqW18, ADG+24, AMH24, AMP03, AMCR17, AZ23, AMR14, AGM95, AD18b, AFLG+12, ABRW18, Bac18, Bac19, BTBR19, BY22, BC02, BP14, BBD18, BDSG09, BM00, BCL15, BK21b, BCC16, Bic21, BGH08, BBRS97, BBD08, Bog00, BP97, Bor02, BP85, BMV06, BT93a, BT93b, BT95, BT98, Cai09, CA21, CY23, CDV00, CL08, CGA93, Cas96, CW98, CJ18, CR23a, CH01, CZ12, CHH15, CQZ20, CS09, Chr01, CRR03, CN15, CN17, DY17, DRVA20, DB97, DS24, Dea11, DA16, DMPSC16, DYZ20, DP85, DY03, Ehr08, EH88, EZ98, EH06, EFLFP09, EH91, FS15, FMS18, Fat12, FE93, FL15, FL20, FMPP24, Fer93, FJ09, Fun94, GZZ20, GP23, GAW09, GGM95]. **boundary** [GM95, Ghe97, GP98, GO19, GO23, GH02, Gwi09, HGM+21, HG98, HH98, HN03, HJ09, HD04, HM15, HDY21, HO24b, HK93, Heu00, HMY19, HL03, HDS20, HX11, HT00, HLL09, HS19b, HBJ09, HLIS16, IO18, Ito22, JP08b, Jeo09, JL23a, JCJP21, Jun06, KDAK13, KDT17, KHLV22, Kat89, KK20a, Kel85, KOR18, KG90, KS09a, KvyS15, KS01, KW93, KK02, KK20c, Kur98, LHH96, LRS09, Lam13, LM00, LP05, LY01, LW04, Li11, LA11, LZ17, LZ20, LXZ21, LZJ21, LH21, LWYG22, LWW22, LHC23, Lie01, LC99, LO03, LMSW17, LKJ20, LM22a, LZIZ23, LL02, LOM98, Ma03, MOS02, Mai06, MS03, MS90, MG18, Nes16, NY13, O'L87, OS08, OGS20, PXHZ20, PZMX16, PG21, PPS10, Pap95, PNA21, PTV20, PLB22, PT95, Pul12, QMLC15, QAMX17, Quy19, RNG22, RZS21, RK08]. **boundary** [RVdCVR02, Roo20, RTU15, RGA19, RTA19, Rou20a, Rya00, SN22, Sch96, Sch93, Sch16b, SNOK21, Set24, SSC23, SWFK13, SC08, SSR23, SG00, Sod91, SDK15, Sof17, SS02, SHG86, SW85, ST08, Sub04, Tau09, TY98, UWY22, VO00b, VV02, Wag85, Wan07a, Wan07b, jWqW09, Wan11, jW15, WL16, Wan17b, WL18, jWS20, WDU21, War92, WW14, WT17, WS04, XF22, XL23, XL09b, XZH19, YGY15, YL13, Ye04, Yos00, hYqW12, ZTZ15, Zak19, ZLY23, ZG92b, Zha96, ZC10, ZLJ20, ZR21, ZW19a, ZPT92, ZLS20, Zho17, Zho18, ZZ19b, ZWL11, ZS18, ZR15, vR04, AGM09]. **Boundary-Fitted** [TMS87]. **boundary-initial** [GO19]. **boundary-value**

[Bac18, Bac19, BTBR19, Fun94, LC99]. **boundary/initial** [GO23]. **bounded** [Ber05, BL91, CLTA18, Che12b, CD20b, Dun18, Hin97, MDRR11, MS03, Wal00a]. **boundedness** [CHM22, FS05, GGT24, GLMY17, MDP10, MV17, Spi13, XCHW22]. **boundedness-preserving** [MDP10]. **Bounding** [BRRS15, Coo89, Gil10]. **Bounds** [MSP10, BY22, Bou16, BH20, Che16, CF13b, CFM+24, Dra97, Fac03, FW22, FXY22, GY94, GH02, JR02, KS10, LSK12, LVfP14, LC24, LW92a, Nak12, NN10, Roz05, The17, WWX13, YB10, ZL24]. **Boussinesq** [ADM10, DW21, EZ03, HC22, JY23, KD13, LC19, LZW17, LZW19, Lte24, XZL19, ZWH+17]. **box** [AM04, CLL23]. **brain** [DEPS15, LWCT07, MPSS16]. **branch** [Oji88]. **branched** [BRTB19, CV88, TBRBM20]. **Bratu** [AY21, BRTB19, KOR18, SSS21, TBRBM20]. **Bratu-type** [KOR18, SSS21]. **breakage** [DKSS24, SMW21]. **Breakdown** [HKS86, Mac86, Ta'86]. **breakdowns** [RS08b]. **breaking** [LY24]. **breast** [AFIS24]. **breather** [CSS19]. **breathing** [DG96]. **breathing-mode** [DG96]. **Bregman** [AHAS21, ABR23]. **brick** [YB10]. **Bricks** [DV20]. **brightness** [CP06]. **Brinkman** [CD23, ÇK13, HJ09, JJL+24, LYZJ23, ZFZ19]. **broader** [SL08]. **Broer** [NAF24]. **Brouwer** [RB12]. **Brownian** [AACP20, HJ21, JK21, SHL19]. **Broyden** [SW09a]. **Brunner** [Bru97]. **bubble** [Dar00]. **buffer** [KKE16]. **Buildings** [BO87]. **bulk** [CRTU15]. **Buoyant** [RBBC85]. **Burg** [CDI91]. **Burgers'** [AZHD23, GZHQ23, Hus20, Kha21, Mit24b, SAMSB20b, VRC21, XP23, Yan21a, ZRA23, AJK20, AEN22, BDKM92, BHJ13, CLX21, CBHM19, KSHB21, KK86, LZY09, PWY21, PR90, Rob01, SSA24, WL10, WLY24, ZJH18, ZZL17]. **Burgers-type** [BHJ13]. **buried** [QL16]. **Butcher** [JKN94, VS94]. **BV** [LT93]. **BV-stability** [LT93]. **BVM** [BMT93]. **BVMs** [MS02]. **BVPs** [AAB+22, BP12b, BRW17, BRS+18, GHKM09, HM09, MS02, MST09, PPS10, SAA20, SM93, ZLG15].

C [AR93, Hop23, PZMX16]. **C-fraction** [AR93]. **cable** [AMK18, DA16, LR20a, YJZ18, ZZ17, ZXW17]. **cables** [IJ14]. **Cache** [HKZ08, LW92b]. **CADNA** [AV96, Tou97]. **Cahn** [WaZW21, AZ23, BCM04, BMWH20, CGH23, CCZZ18, CW22, CCL04, DLQZ23, GLML20, GZQS23, GGT24, GJLL20, HLT07, HPH20, HGZW21, JZXJ21, JJL+24, KK09a, LMPS19, LCK22, TZ21, WWL21, WWZJ22, YYZ23, ZXYW22, ZCY20, ZYQS21, ZYQS23]. **Cahn-type** [ZYQS23]. **calcium** [NRWF08]. **Calculating** [HC01, Tar98, AY15, DSW96]. **Calculation** [JZJ10, Bec02, KCW16, MAG13, MV20, SW06, WSC09]. **Calculations** [Mac86, RBBC85, BNH01, BC93, CSCM96, KL87, LTC03, Mun00, Var92]. **calculus** [Lub92, MC17, MAD23, Yam23]. **calibration** [RW87]. **Camassa** [AS06, CLP15, JWG20, NYPW21, QR24, RLSS06, ZZ18]. **can** [Var92]. **Canada** [CFTW08]. **cancer** [AFIS24]. **Canonical** [BLM17b, LYLL23, WL21]. **cantilever** [LT07]. **Capacitance** [DP85, GOGF03, O'L87]. **Capillary** [VK17, NAF24]. **capital** [DZMB21]. **capturing** [Aca12, KD13]. **Caputo** [CA21, CDW13, KDH20, LW19a, LW20a, LIPT18, MDASAO21, OB20, OCVW22, RMH20, SC20, SA19, ZHS22, ZEW20, ZZ19b]. **Caputo-type** [LW19a, LW20a, OB20, SA19]. **Carathéodory** [Sae14]. **cardiac** [BK09, CS19, CKP15, CK22, FPS15, NK11, YV17]. **cardinal** [Hey19]. **Carleman** [Kli15]. **Carlo** [JL24, LHÖ13, MD06, DE18]. **Carreau** [KHM+19]. **carriers** [ABdSG23]. **Cartesian** [ASCM02, ASC03, Bac17c, Bac21b, BP12a,

FD16, FdSB02, Fre04, Kim14, THW19, TY00, WE99]. **cascade** [AB15]. **Cascadic** [MRS10, YXX19]. **case** [Beg00, BRW17, CMR12, CY05, GANT02, Jes93, MN03, Med96, SvV22, ZL21]. **cases** [PCA10]. **catenary** [AS00]. **Cauchy** [AK95, BBBN21, CJ18, Cum95, FFQ09, JP08a, JL24, Kli15, MM18, MP98, Mat91, ORT24, Rab94, Shi20, Vab22]. **Cauchy-type** [Mat91]. **Caustics** [SR88b]. **cavitating** [XLK07]. **cavities** [DdCVR03, QC12, QL15, dB03]. **cavity** [Du11, Guo00, JP08a, RSK24, RBC02, WWLS08]. **Cayley** [LP00, MO01]. **CBEM** [JS09]. **CDG** [YZ22]. **CE** [QM10]. **CE/SE** [QM10]. **cell** [Aya09, Bar09, Ber15, BW95, BG03, Car94, Dal00, EK95, FS88b, ID19, JP08b, Jeo09, MSS+15, MM20b, OH20, Ush18, YR22, ZL18a]. **cell-adaptive** [YR22]. **cell-averaging** [EK95]. **cell-centered** [Bar09, BW95, BG03, FS88b, OH20]. **cells** [Ber15, LARGVR23]. **cellular** [CKP15]. **CEM** [AG98, DK14]. **centennial** [FJ97]. **center** [CPD+05, ZB07]. **Centered** [Tol04, Bar09, BW95, BG03, EN09, FS88b, LR18a, LR18b, OH20, SXL22, XXF22, ZY19]. **centers** [GH20]. **Central** [LPV24, ASCM02, ASC03, BL06, CXNF14, CR19, DL16, FCX06, JTB15, KTK20, LPR00b, NRR06, Pap95, PGDB08, QW04, Tou10, TJ12, TK15, YTC24, YR22, iV09, BM12b]. **central-upwind** [CXNF14, FCX06]. **centrality** [EHNR24]. **centred** [SGN08]. **centrifugation** [BBCS05]. **centrifuges** [BCS06]. **centrosymmetric** [SYW18]. **Certain** [DL01, BKP15, DMGVPO09, Dra97, Fuh01, GVSL96, GS05, LS86, LFP04]. **certified** [Che16, RÁM23]. **CFD** [BTMT08, BS97a, QM03, SST04]. **CFIEs** [CM14]. **CFL** [GK19, MZ04]. **CG** [Sch99, dv95a]. **CGLS** [Baz03]. **CGPM** [LSWW22]. **CGPM-based** [LSWW22]. **CGSTAB** [SSvG10]. **chain** [Bec02]. **chains** [BT02, Buc99, DNW18, Mar03]. **challenges** [DBH+05]. **change** [CH15, Sal93]. **changed** [AACP20, LMTW20]. **changes** [Wag98]. **changing** [DCC14, SY08, VVV24]. **channel** [BJ00, GKKM21, Gla93, Jun06, PK91, RKVZ15, jWyG08]. **chaos** [CJL13, Pul09, Pul12, SSL93, SZ12, SZ17, Shy91a, Shy91b, SH91, ZWK15]. **chaotic** [SK01]. **character** [Mar99b]. **characterisation** [AL24]. **Characteristic** [BF20, ZSG+20, Bre06, CHLA21, EAS12, FLR08, HO24b, JZJ10, LY08, SAG86, SWW11, ZMC13]. **characteristics** [DMM24b, JQYM23, LCVG01, Mar03, OEAS21, PG02, YY13, Zió99]. **characteristics-mixed** [YY13]. **characterization** [ST89]. **Characterizations** [LX08]. **Charge** [GG95, AZA22, NER95, NR97, SG05]. **Charge-oriented** [GG95]. **charge-preserving** [AZA22]. **charged** [LW22]. **charged-particle** [LW22]. **charges** [HNP17]. **Cheap** [SZ97, GHW01, WGB99]. **Chebychev** [TGB08]. **Chebyshev** [ARGA00, AAEMY21, BC08a, Boy06, Boy07, BO11, Coh90, DDS89, DRS19, DDRS24, DSW96, EK95, FFY08, GW20, HM00, Hey19, JOL23, KK09b, KP19, KYI17, LM21, MQO17, Mac92, Maj17b, MM07, MRFF17, OT21, OGS20, PL20, PH17, SWW17, SWX00, She00, TC19, Xu16, Yan18, ZB19a, ZK00, vS97]. **Chebyshev-collocation** [MQO17, SWX00]. **Cheeger** [ILS19]. **Chelyshkov** [ROL19]. **Chemical** [ND85, BBV05, CKB13, DS02, DS03, KCJP01, PM05, SK96, ZdBT03, dB03]. **chemicals** [HH22]. **chemistry** [BGG12, VS95, VBH96, WK02]. **chemo** [GGRBRG22]. **chemo-repulsion** [GGRBRG22]. **chemoattraction** [LARGVR23]. **chemotaxis** [BLRGVR23, BGG+20, CST18, HH22, WDL23]. **chemotaxis-Navier** [BLRGVR23]. **chemotaxis-swimming** [CST18].

Cherenkov [YD22]. **chess** [WWS+93]. **Chile** [BGHR12, BGH+15]. **Chilean** [BGHR12, BGH+15]. **China** [LST07]. **chip** [SG05]. **chiral** [WG19]. **Choice** [GC15, BHRY21, BS00b, CDD00, EG88, Lay08, Neu88, PA91]. **Choices** [San89, GAW09, SWFK13]. **Cholesky** [HPS12, KK20b, LN92, Noo95]. **Cholesky-factorized** [KK20b]. **Choose** [Rob10]. **choreographies** [RS14]. **Christoffel** [Bre91]. **chromatography** [DGM18, DMM24b, vHA98]. **Ciarlet** [ZBY19]. **CIR** [BDOG19, TWL23]. **circle** [BRS16, CCBGV08, DGV00, DBCBPP10, DIR13, SL01a]. **circuit** [AKGR14, BLW02, GG95, MT11, PGS10, ST05]. **circuits** [BBS11, GR93]. **circulant** [NR14, Zen21]. **circulant-matrix-based** [Zen21]. **circular** [AA20, Duf90, HT00, IR22, LMS08, LBCN00, RGK21, Son91]. **Circulation** [ZW87, LG02]. **CIRM** [Wen10a]. **Cittert** [Dun18]. **clamped** [BBD18, Lam13, SWY+23]. **class** [AL95, ADR17, ADFR18, ADM22, ABF09, AD18b, Bai96, BHB23, BDSG09, Beg00, BMPR15, BJ20, BIJ23, BLL24, BC23, BJM01, BKP15, BIMV19, Bur91, Bus06, Cam99, CZ19, CLLM21, CN17, CG14, Cum95, Cve02, De 06, DGN12, DYX09, DM09b, DZ12b, DIR13, DZW24, EM05a, EVO04, FM21, FL05, FH22, Fer09, Fer96, FR18, FJ95, FJS99, FS24, GT15, GMG19, GJlL23, Gon06, GFPG18, HS20, Hey20a, HJYL19, JCL18, JQYM23, Kat89, KM21, LP24, Li12, LL20a, LM21, Lot19, MH16a, MAH18, Maj14, MKN23, Man96, MMM19, NDM20, NTHC21, Ost93, PD01, RY13, RGA19, RT95, Sad97, SEGV02, Sid23, SG05, SL08, SSPZ20, Tsy96, Udd20, VDVV98, VRC21, Wan11, WZ14, WZ22, Wan23, WSW96, WdG92, XWW19, XZ19, YMD21, YLY19, YFLX20, YLLZ21, Zha19a, ZZL01, Zha20a, Zha20b, ZYC22]. **class** [ZZW97, in 92]. **classes** [KM17, MK21, UHUL21]. **Classical** [Lee10, AS11, Beg00, BDRZ04, CCJ99, DJM09, FR18, GMG02, GP01, LS12, LMTW20, MZZ17, MOS02, Mar94, Mar99b, MM02a, MMP02b, PA18, Sal03, Sin23, TJK18, WWL21, Wel10a, Wel10b, ZS18]. **classification** [KKR15, Ush18]. **cleaning** [GDS+15]. **Clenshaw** [CL14, Maj17a]. **climatology** [Pło22]. **Cloned** [FZM20]. **closed** [TMM15]. **closure** [JR18]. **cloud** [WK02]. **Clough** [Bar12]. **cluster** [DS01]. **clusters** [Nür09]. **CM** [BS94a, VV95]. **CM-2** [BS94a]. **CM-5** [VV95]. **CM2** [Pet92]. **CN** [ZYLL20]. **CNLF** [LT12]. **CNTs** [EKT19]. **co** [CZY08, LLY11, TK19]. **co-coercive** [LLY11]. **co-existing** [CZY08]. **coagulation** [DS07b, Sin23]. **coalescence** [SNW22]. **Coarse** [SS99, BBD24, FdSB02, NN13]. **coarse-mesh** [FdSB02]. **coarsening** [GGLR09, GGR97, LWT07, de 96]. **coastal** [KDAK16]. **coaxial** [IJ14]. **cochlear** [BF09]. **Code** [Ara99, ZW87, AHJM19, AJ19, AA87, AB98, CST97, GPPR12, Sal89, Set24, SW86, WSP97, WB92a]. **codes** [BMR+17a, Ber86, BT97c, GMG02, GMG04, Sha85b, Sha87]. **coefficient** [BJ01, BJ03, BRW17, CDW19, CCL04, DP12, DL01, DMA22, FL23, HP14, HAY20, HLIS16, HN22, IT16, JR02, KS07, Lu98a, LJ20b, PWY21, PJB04, Quy19, RL21, Su94, SW17, TK05, WZZ21, ZEW20, ZLWF21]. **Coefficients** [Hig93b, AS21, AL09, BF17, BC05, CJ90, CC04b, Chn17, CK20, CL88, DYX09, DCC14, DKK94, DC09, GHW20, HS21a, HLMKZ06, JV09, KP92, LS21, LYZW22, LMW23, LSW23, LP01, Maj17b, ML16, Mul19, PM14, Spi13, SW20b, Top21, VL19, VSeYD02, WCXL09, WR20, WYYL19, WG22, YLFT20, YT00, ZM17, Zha20a, Zha20b, ZW24]. **coercive** [DHS05, LLY11, SW24]. **coexisting** [PK21]. **coherent** [CCP04]. **Collaborating** [MR92]. **collapse**

[TYKK01b]. **collapsible** [LT00, TYKK01a]. **collective** [BIMV19]. **collisional** [DKSS24]. **collisions** [CLP15]. **Collocation** [AB88, All24, BR97, BS20b, CN15, HM17, LM22a, SDG20, SWB20, ACDP22, AV96, AB24, AFS02, AJK20, AAB+22, Bal00, BAD13, BZ17a, BIM15, Bru92, BMM97b, BMM97a, Bru07, CA21, CHLX07, CCQ+23, CP05a, CP09, CDP12, CN17, Cum95, DP12, DS07a, DN21, DHWL22, DHL00, DLPV17, DBBH14, ERS00, EHM01, FK23, FID18a, FWL18, FH20, FH22, GS24, GPHAM12, GT93a, Gu19, Gu20, Gug05, yGpY09, GW20, Han93, HM15, HM00, Hou23, Hu99, HR96, HY24b, HKP89, IO18, JZK06, Joh05, JCJP21, KO08, KSHB21, KK23, LHHR94, LHH96, LFB00, LWL18, LZW17, LM21, LZCF21, LYZW22, MQO17, MK20, MAHZ21, MS86, MD19b, MSS21, Mir20, MKJ23, MDP23, MRFF17, NDM20, NLS20, PL20, Pat00, PM91, PT11, PTV16, PA91, PK91, QWX20, QM20, ROL19, RE19, RK08, RTW21]. **collocation** [RN22, RAOC18, RTA19, Rou20a, Sch93, SSC23, SLW17, SWX00, tSqWyG16, SJ11, Shi20, uIVS13, SK10, TC19, WKM04, WMF17, WW24, WC14, XZZ19, YMD21, Yan18, YT21, Zak20, ZAED21, ZHS22, ZWJ18, ZL18b, ZD20, ZCSH11a, ZCSH11b, ZP24]. **collocation-based** [Pat00]. **collocation-type** [Han93]. **color** [ZN21]. **colored** [Kom07]. **column** [GY94]. **column-block** [GY94]. **combination** [HEG16, LKV01, MM02b, SYY20]. **combinations** [DJM09, LH02, WM08]. **combinatorial** [Ren99]. **combine** [AN15]. **Combined** [SD22a, APJ09, HJYL19, Lot19, MK14, MD20c, NLS20, PA18, SL22, SPYS24, SA18, Yua20]. **Combining** [DM12, CYWH22]. **Combustion** [BH85, BBV05, GS89, KCJP01, NER95, NR97]. **coming** [QPT23]. **commodity** [ZGO12]. **common** [Alb96, BWY17, BWS21, SC22]. **Communication** [DJNR22, dv95a]. **commutativity** [Yam18]. **commutator** [BM06a]. **commutator-free** [BM06a]. **commuting** [BB98]. **Compact** [SM20, AZA22, BIO24, CFLW22, CGA93, CC19, CC20a, CQZ20, CRU15, CS18, GX11, GLLW14, GZHQ23, HHL23, HC22, HJKW17, HL21, HL24, HLJ20, JHGZ20, JZZH22, Jor11, LXZ21, LW21a, LXZS22, LZW19, LYC24, MZXX24, MG22, Pir09, QXQ22, RZ18, RG21, SG16, SXL22, SBS24, SA18, Ven15, Wan17b, WR20, WLM21, WCM21, WZ22, WPT19, YZG23, YT00, ZG21, ZQZ23, ZL24, ZGDL17]. **compact-WENO** [SG16, ZGDL17]. **compactification** [DB95, MW93]. **compactified** [KS22]. **compactly** [Ehr08]. **Companion** [BR01, BW06, Win04]. **Comparative** [BdFPSdSC08, BT99, CG03, DDK19, GRLL01, PSP05, SA21]. **Comparison** [ACM09, BDE22, CKPS15, EVO06, GGRBRG22, LLV18, Moo95b, NN10, PCRR17, Aya09, BD07, Boy91a, CL01a, CS19, EK97, GP01, HT94, KPR06, KW12, LWD+09, LPZ00, LWL18, MD96, NN13, Par21, PZ20, VSeYD02, ZP24, LCM24]. **Comparisons** [YTZZ18, WSS97]. **compartmental** [Par21]. **Compatible** [GP00, ZBD24, ZWJ18]. **Compensated** [RT20, WG10]. **Compensation** [KRBK16, LCW20]. **competition** [EE20]. **competitive** [BLRGVR23]. **complement** [Cao09, Cao10, CG89, KMS10, LN24]. **complementarity** [CZ19, HV22, Ius97, KP03b, LWZ22, LLL12, LMP99, MH16a, THW19, WZ14, WG18, YZH19b, ZR21]. **complements** [RZ04, GM87]. **complete** [CGGGS11, Meu14]. **Completion** [Sei02, Shi20, Liu21]. **Complex** [CFCH09, AQJ18, AC08, AES13, ÁMS17, DJNR22, CDW19, CLLM21, Dar90, DS21d, DKK94, DGS24, Fun94, Gab02, Kar89, KDK17, LAZ20, LZIZ23, Lu98a, MZN21, PH91, SD22b, TC03, TY00, YWW23, ZWFX22].

complex-symmetric [AC08]. **Complexity** [LRT99, BMSZ21, HZCZ23, MZS10, MMT90]. **compliance** [CFRA08, FH10]. **compliant** [DII15, TDC13]. **complicated** [AEA23, DKK94]. **component** [GGG16, MM14, OZ96]. **component-wise** [MM14]. **components** [BLW02, CG14]. **Composite** [DP90, Maj14, jWyG08, AMH03, Dra91, FSB97, HY01, Jor11, MMT90, MR94, NBP94, NU15, PS19, ROL19, SSA24, WDZS21, ZMY21]. **composites** [RS22]. **Composition** [DK11, Bla01, BCT19, CCC08]. **compound** [PWY21, RS08a]. **comprehensive** [ÁKM20]. **compressed** [ABKG21]. **Compressible** [BW86, CFX08, CKK10, CGS20, DS97a, DGRS09, DII15, Fai00, FL01a, JKW12, JN07, KC94, KCL00, Kie17, Kwe00, Kwe01, Kwe03, LDIW16, Mou03, QR03, RCGM98, RZ15, SZE+92, Sod91, Tan24, Tur86, ZYSZ14, ZSG+20, ZQLK11, vdHVW01]. **compression** [AEK23, LYC24, PGS10]. **compressive** [BKAG22, KKLD21]. **Computation** [BJS12, BPTT15, BGVHN10, CMP15, DV95b, DGS24, ERS00, EV96, HGR01, MH89, MR06, SL01a, Sau00, Sch23, Waa88, YT03, BCU00, BG06, Boh21, BHJ13, BWY17, BWS21, CDV00, CCBGV08, CJ90, CC23b, CD00, CJ22, DNW18, DS02, EJRR23, EH88, FvdMS17, FLÖ+97, GP01, GSR00, Har98, Has20, HR14, Hin97, Jéz04, Kop89, LM00, Mar93, MST07, Nes16, Nov03, Ram12, Rob10, RTT01, SW06, Shy86, Sv95, SS10, Vas17, Wee01, XFG19, YH00, ZCGS21, vHA98, MH89]. **Computational** [AFIS24, BLW02, BBPR05, BF09, Fun90, Jam93, LFL14, LY24, MMT90, MOZ87, Spi99, ADR17, AEA23, CFKS07, Car09a, CHNN20, DCN+19, Elm02, FL05, FKA+13, FMP04, GEGG+20, HG98, HAN23, HD88, Hey20a, JRT90, Kür23, LMSW17, LY16, MNSS22, MdR05, MZ04, Pul86, Qui96, RVM23, SYG+05, Shy91a, Shy91b, SD93, SPYS24, VS91, VT91, ZW09]. **Computationally** [YK07, AA87, IR22]. **Computations** [BDKM92, Li01b, AS97, Asc12, BC02, BB24, Chr96, Dat99a, FL01a, GT15, Gat91, KH91, Kor95, LSGK15, MS08a, MM16, MPG+16, NLLG20, WPS18, ZP12, van95, vdHMdS99]. **compute** [FvdMS20, MDRR11]. **computed** [EH08, WT08]. **computer** [BRSD91, Fre91, Her91, Ney95, de 95a, IMMS20]. **computerized** [San03]. **computers** [SK91, Som93, VS94, dH95, de 92b, dv95a, vvdV97]. **Computing** [Alt85, ALP+96, Boy06, CKL03, CFTW08, CF18, HM09, HP91, KBG04, LMO24, LST07, LZZ22, LW07, Lu98b, SBBC21, SBS24, Tan87, Yos00, ARY23, AB24, AT13, BC99, CKM10, CB99, CCS02, Din93, FHM+02, Gil91, GAOB20, HCS20, Jia02, JY23, KBK21, KW98, LMV17, Li00b, LfX15, MB20, MNSS22, Mar03, Mat86, Moo95a, PK21, ST09b, Tru00, WB90, Yam23, ZC91]. **concave** [SC11]. **Concepción** [BGHR12, BGH+15]. **concepts** [HSW99]. **concerning** [Han06, JL24]. **condensates** [ZB07]. **Condition** [GK93, Kor95, LL20a, LLW22, Win01, Ang06, BM12a, BP97, BG11c, CQZ20, CMS06, DA16, Dob05, GZZ20, GO21, HS19b, KBS11, Lam13, LHH08, LH09, LW18a, NC16, NCYC22, OMP98, RVdCVR02, RBC02, Vul95, jWqW09, jW15, WL16, Yam18, YL13, hYqW12, Zho18, dC18a, vR04]. **conditional** [BBBK22, GO18, MJS23]. **Conditioning** [Mag91, Not92, BF09, Li12, WM22]. **Conditions** [Ano87a, Gus88, JL86, JL87, PT09, AS11, AQS94, ADG+24, AMH24, AZ23, AK95, BY22, BBD18, BDSG09, BCL15, BMS89, BSZ22, BK21b, Bor02, BMV06, BB98, BS96b, BT97d, CL02a, CH95b, CPP02, CAAT16, Chn17, CN15, CH90, Cve02, DY17, Dea11, DYZ20, DP85, Ehr08, EH88, EZ98, FJ09, Gar10, GP98, GMS12, Gu01,

HG98, HH98, HN03, HHAA22, HJ09, HD04, HJ17, HMY19, HL03, HBJ09, JW01, KK20a, KvyS15, Kom07, KM18, LA11, LZ20, LX21, LWYG22, Lie01, Lin01, Ma03, MR20, MVVA09a, MVVA09b, MW93, MZ04, Meu14, MG18, Muo23, Nes16, NMB10, O'L87, OGS20, PXHZ20, PPS10, PTV20, Pel20, PLB22, QMLC15, QAMX17, RZS21, Rya00, SN22, Sch96, Sch16b, SC08, SSR23, SG00, SDK15, Sof17, SS02, SHG86, Spi97, Str98a]. **conditions** [TM24, UWY22, VV02, Wag85, WL18, WT17, WS04, XF22, XL23, YBW20, ZW19a, ZR15, BG11a]. **conduction** [AX19, BLS94, BCFQ19, DCN$^+$19, JL23a, LW18b, MVVA09b, RMK09, SM20, YY13]. **conductive** [BBV13]. **conductivities** [YV17]. **conductivity** [CML05, DM09a, TT20]. **conductor** [LSV22]. **conduit** [IR22, RGK21]. **cone** [BSZ99, LWZ22, MYSC17, NSCC19, THW19]. **cones** [MMP02a]. **Conference** [Ano02g, LST07, FJ97, Wen10a, vdHSW98, Ano00a]. **configuration** [RGK21]. **configurations** [BH20, DCN$^+$19]. **confined** [MT05]. **conflict** [Fuj99]. **conflict-free** [Fuj99]. **confluent** [KW21]. **conformable** [SA20]. **conformal** [Ari03, BBO03, CLR11, DDGN23, LWCT07, Mur19]. **Conforming** [CCZZ18, MM22, AW03, CYM09, DDP12, DN08, GGO16, PZMX16, PK91, WCSQ18, XL09b, ZLY23]. **Congress** [MH89, HSX18]. **conic** [LDH$^+$24]. **conics** [DS17]. **Conjugate** [BGH08, IMMS20, AF23, AKA19, CW20, DW00, DW15, EAS12, GR02, HVY91, HWY20, HZC22, HZCZ23, KKLD21, LWLW24, LZW20, MK19, Pfl08, SSW20, SSS$^+$23, San03, SW95d, SD24a, Wan23, YFLX20, YLH20, YLW20b, vdES04, Ria22]. **Conjugate-symplecticity** [IMMS20]. **connected** [LZIZ23]. **Connection** [Pet92, VV95]. **conquer** [DH94, Jes93]. **conservation** [AM09, AKG14, Aff94, AL20, Ang06, Bac14, BMGM12, BJ02, BTP96, BFA93, BDF94, BM12b, Bor16, BGP11, BGS02, CFLW22, CCL22, CSW19, CH15, Dav92, DF96, DS23, DGRS09, EK96, FL01b, GZZ19, GT00, GJ17, HSS07, Hor02, HWCF15, KS09b, KXR$^+$04, KLSW06, LPR00a, LPR00b, LCW20, Luo18, NK24b, PGDB08, Pel20, RGB20, SG17, Tan01, TDW23, TJ12, XWZ21, XF06, XCHW22, Ye04]. **Conservative** [BR20, WDH20, XWW19, BDM03, CHP19, CCOVF22, CHSS01, CS08, CCL04, CD20b, Fou00, FHX22, FGGL22, FLL11, HCS20, HC22, HLMKZ06, HJL18, JPP19, Kim07, LO22, LDIW16, LR18b, LSWM19, LW21a, LZW19, LD22, MZXX24, MMD20, MQ03, ÖT20, Wan21, WCJ23, XZL19, XWX21, ZQLK11, MCD20]. **conserved** [ZXYW22]. **conserves** [MMDS21]. **conserving** [BRBM08, BBKS07, HTSZ23, HMD21, Hor93, Ito17, MD20a, MMDH19, SMB23, UWY22]. **consideration** [SPYS24]. **considerations** [HFL13]. **Consistency** [Hor93, Nak24, CMMR23, DCJ20, HZ20, Kel85, LL06, MW24, SKR$^+$16]. **Consistent** [HBJ09, Xu13, GHK16, KW20, LS23, Sid90, SMW21, Sin23, WKP12]. **consistently** [Not92]. **consolidation** [GLV03, GLV06]. **constant** [Fan11, FP02, GC15, KCJP01, MP20, RF16, SH97, TL07, WL24, Yan22, ZLJ20, ZWL11, VK17]. **Constant-Convection** [VK17]. **Constants** [ND85, Mat86]. **constituted** [HS22]. **constitutive** [Die15]. **constrained** [AKM$^+$22, Arn98, BL21, BMM03, BH93, CXZ14, CZHX19, CD18, DZW24, EM05b, FLMR14, GO18, Han87, KKLD21, KLSW10, LWLW24, LSWW22, LS93, LWCT07, lLX22, Meh08, NH24, RP01, SP99, SGY22, SD24a, Tou10, ÜSHT03, Yu08, YP18a, YP18b, ZP12, dOF20, ZYH23]. **Constraint** [Cao09, RP01, ZW87, Che16, HGZW21, LCH20, LJYS20, LCZ21, YD07]. **constraints** [Aca12, AMP20, AKA19, BSZ15, BGIW18, CDI91, CLL23, HdSRI17,

KP03a, LDP+14, Lot19, MDT05, PS21, Sch09, SZY21, TWD23, YLS+09, ZYH23]. **Constructing** [CCDJ20, KDKW20, LS93, Ran15, Ren14, Sad97, SKO19, Tol03, WWS+93]. **Construction** [BZ91, BJ96, BJ98, CCP17, GH02, HZ02, IJ21, JM17, LWL18, Mat91, MW24, Nic86, PR09, PT95, SM93, YR09, AG98, ABH14, AX20, Ano87a, CV88, FJ17, JL86, JL87, Lem02, LX08, Man96, MP97, SAH24, SYY20, TY00]. **Constructive** [AAD+08, JNPC03]. **contact** [AC18, BBD18, CFRA08, CH13, Cop03, CF05, CF13c, CF14, CA15, CA16, DPPR16, GS15a, Gwi09, HS07, HL02a, HMW05, KM11, KW12, Por17]. **containing** [Meh22]. **contaminant** [SXL22]. **contaminants** [BM04a, BM04b]. **Contents** [Ano01e, Ano05c]. **continua** [Hin97]. **continuation** [BZ17b, GS89, HH10b, Jac88, JMP06, KMH21, KLSW10, lLXhLZ21, lLX22]. **continuations** [Lyo12]. **Continued** [JT88, Bre88, CJV88, CV88, GGMP88, Gil91, Hau88, Jac88, Lem88, Lev91a, Lor10, Njå88, Waa88]. **continuity** [AW03, LSWW22]. **Continuous** [BDGP96, BDP99, CW98, CM07, CLGD06, EH97, TYJ11, Arc06, BT97a, BV96, Bel97, BN12, BGS02, CCP17, DS21d, DV95b, DMR18, Ere19, FS19, Fra16, GFB99, JR02, JNPC03, KK17, KK20b, KK22b, LHC09, LOS03, LZ17, LW19b, LWY20, LW22, MST09, Pic05, SA12b, VZ93, XZ19, XY19, XZ22, ZL18a, Zha20a, Zha20b, ZX14]. **continuous-discontinuous** [Fra16]. **continuous-discrete** [KK20b, KK22b, LOS03]. **continuous-stage** [LW22]. **continuous-time** [DS21d, KK17, KK20b]. **continuous/discontinuous** [ZX14]. **continuously** [CST97, Zha09]. **continuum** [Dal00, JEG10]. **contours** [FPT03, Hin97]. **contract** [GQ08, MQ00]. **contraction** [PK91, SLMD21]. **Contractivity** [Bel97, GCHR06, JL94, Zen93, BZ92, Hor99, Kra92, ONL89, San89, Wan17a, in 02]. **Contractivity/monotonicity** [GCHR06]. **contrast** [ZCC11]. **contribution** [Jou05, WM22]. **contributions** [AFS96, GR02, vS96]. **control** [AH09, AS20b, AB09a, AVMVMV09, AW09, BL21, BKM13, BCT16, BGH08, BS96a, BSvdV99, BSZ15, BS24, BC00a, CKP15, CLY19, CZHX19, CHK99, CL18, CY05, Con01, CF05, Dah02, Dat99a, Dat99b, DMP08, Deh01, De 06, ECB07, EGL09, FS23b, GP23, Han06, HA21, Hey20b, Hig93a, HL19, Hua98, HFL13, HO16, Jéz04, KP18, KN08, KR15, LAZ20, LD21, LCH20, LY03, LZIZ23, LT05, Lot19, lLX22, MDHK06, MC00, MP94, NK11, NH24, NH15, NU15, OAHN22, Pea16, PS21, RSD+06, SS19, Sha05, SG06, SW94, Sim94b, Söd06, TLQ21, WZZ21, WCL22, WJM22, WKP12, XL11, YGY15, YÇ16, YBW20, ZZ19a, ZLW20b, ZSJ04]. **controllable** [Leo10a]. **controlled** [EK95]. **controller** [Ein18, LT07]. **controlling** [For02, MJS23]. **Convection** [RBBC85, AJ24a, BO04, BC08a, BBCS05, BC04a, BW96a, BW97, Bla00, BS20a, BTDV10, BFLR23, CW21, CP05b, CR23a, CT93, ÇK13, ÇY22, CJLS98, CJ23, CJ24, DDS89, DYX09, DM11a, Die15, DdCVR03, DL06, Fra14, Fra16, GAML04, GZZ20, GD23a, GD21, GD09, GO21, GO23, HO24a, HM00, Hua17, JT18, Jun06, KT05, KC03, KS01, KTYY24, Len00, LY09, LS99b, LS20, LD02, Luc05, MOS02, Mar05, MPHFP23, Mat09, MG18, Nag22, NS03, NWL+22, OQ15, OEAS21, PMP23, RG22, Sac93, SRK21, SRK22, Sch91, SZ09, Sha21, SSR23, SKS23, SG07, Str98a, ST08, SWW11, SFZ21, Top21, Tse00, VCN20, VNC21, VL08, VN21, WL09b, WK00, WPT19, WWF20, XZW19, YZ17, YZ19, ZMC13, ZZPJ23, ZML+12, ZX14, iW07, VK17]. **convection-diffusion** [AJ24a, BW97, Bla00, CW21, CT93, Die15,

Fra14, Fra16, HO24a, KS01, KTYY24, Len00, LS99b, OQ15, Sac93, SRK21, SRK22, Sha21, SSR23, SKS23, VN21, WPT19, YZ17, YZ19, ZMC13, ZML+12, ZX14]. **convection-diffusion-reaction** [GD21, VNC21]. **convection-dominated** [GZZ20, OEAS21]. **convection-reaction** [BW96a]. **Convergence** [ACMR06, APJ10, AAB+22, ABCC18, AFLG+12, AS20c, BASC17, BM00, BK09, Ben17, BGG+21, BFK11, BW15, Boy15, BD11, Bür13, CGT13, CC90, Car09a, CC04a, CXZ09, CZ12, CC19, CWX21, CHS17, CCS17b, DG10, DS05, DYX09, DFLM19, DLM20, DLN04, DH07, Fel06, FM11, GMZ11, GGN12, GD21, GPHA22, GS05, GGRN17, Hau88, Ise94, Ito22, IS22, JK21, JTB15, Jay95, KO08, KB21, Kok08, KK86, Kru99, KYI17, Kza92, Kza99, Lem88, Lev91b, Li01a, LSP20, Liu02, LD22, MZS10, MT11, NN20, OT02, PdV99, Ran16, RT14, Sac93, SHL19, San20, SA12b, SHLY19, SNW22, TLGC22, Wan96, WH19a, WS04, YMD21, YZH19a, ZT06, Zha20a, ZZZ23, ZZ19b, vdSvdH95, ALMM98, AHT17, AM99, AM00, AMP03, AHR12, AF23, ABM17, AGQ+24, AFLP12, AFK92, AL05, BWY03, BW23a, BS21]. **convergence** [BGO13, BGM19, Bho12, BDFF23, BRZ10, BM09, CGGGS11, CGH23, Cao97, Cao98a, Cao01, CL07, CJX11, CC20a, CH13, CCZ22, Con04, Cum95, Cuy90, CH90, Cve02, Dar90, DD19, DKSS24, DA17, DMGVO05, Doi91, DLQZ23, EE20, EGH01, EHV19, FFY08, Fdi97b, FW22, FS88b, FR01, FSWZ19, GH91, Gan96, GM94, GWLN22, GH20, HPY92, HO10, HZC22, HLY22, HCX03, ITZ17, JMDN+22, JW01, KS91, KME20, Kie15, KAS17, LR93, Len00, Lev91a, LR20a, LZW19, LS21, Lin01, LW20b, LMP99, MK20, MOS02, MO17, Mar03, MT94, MS90, MR94, MT20, Nke07, Oos95, OGV92b, Poh93, PCA10, PRS20, Pré95, Rou20b, SSV89, SW09a, SI20, SXP09, SL09, SW21, SP22, Sid10, SMW21, Sin23, SS13b, TN16, TWL23, TX18, TH18, TC22, Vul95, Wal90, WW19, WCS21, WMC09, WZ17, Xu13]. **convergence** [YXT17, Yua93, ZAED21, ZZL01, Zha19b, ZLW20a, ZMY21, ZL21, ZZW97, ZYX20, in 95, GPHAM12]. **Convergent** [Fid17, AÁ21, AB07, BM01, BO11, CDW13, CJ23, HB20, HW22, KKN+13, KKN+17, MPMD21, RG22, RTU15, SG04, SKS23, SC22, VV02, Wen10a, Woź10, YFLX20, ZJ19a, ZLG15, ZX14]. **converging** [BH20, Jéz04]. **convex** [AM10b, AKA19, BDD+20, CP97, CLTA18, CKK10, CF18, EB12, GFPG18, GH21, HT20, HS21b, KOS20, KKLD21, LS24c, Mik97, PCR17, PS19, RL86, SC11, SZY21, SGY22, SYY20, YJJ+24, YLS+09]. **convex/concave** [SC11]. **Convolution** [SWW16, Bho11, HR14, LM22a, LFS15, Lub92, SND19]. **convolutional** [RMS17]. **Convolutions** [ADG11]. **convolved** [Con04]. **Cook** [CCZZ18]. **cooperate** [AC10]. **cooperative** [CZY08, PK21, SCLL21]. **Coordinate** [TMS87, CFX08, FJH+01, LT01, ZB19a, ZG20]. **coordinate-free** [FJH+01]. **coordinates** [DS15, KDAK13, LWT07, LLT20a, Pet00, WE99, YH00]. **copolymers** [ZCY20]. **core** [MMBB07, MM16]. **cores** [HK22]. **corner** [AQ00, CGG02, CKK10]. **corners** [BP12a, Chu03, FL15, FL20, Lau17a, MPTT17]. **correct** [Pru00]. **Corrected** [Con99, AFS00, CKB12]. **correction** [AK21, AB12b, BDFV95, BM06b, CP94, CW98, DSZ15b, DSZ15a, FR01, GDS+15, HS11, Hu99, KM21, Kre07, Lay08, Lay09, LFQH21, NN13, ÖT20, QMLC15, VV02, XWW19, XHYM22, YXX24, ZHJ14, Zha19b, ZS21b]. **corrections** [Agu15, BG03, CH90, HFL12, Hun02, Min04, WY22]. **corrective** [KN08]. **corrector** [BK21b, Bur91, Car09b, CXZ15, IM02, JL91, LLL12, MPPR22, THW19, Wai98, Zla85b, de 95b, vC93, Bur93b].

correctors [Lay08]. **correlation** [WL21]. **Correspondence** [Jia12]. **corresponding** [LfX15]. **Corrigendum** [AS21, Bic21, BtTBV87, JL87, TLP18a, YP18a]. **corrosion** [BMP05]. **cortical** [DEPS15, FOMC05]. **cosine** [AMCM09, CM13, Har00, SBBC21, ZO14]. **Cost** [TSFB01, BBG14, Dra97, ECHF+20, FV01, OAHN22]. **Cost-effective** [TSFB01]. **costs** [AD99]. **Cosymmetry** [KT05]. **Cotes** [Agu15]. **Couette** [MD00, SH91]. **Coulomb** [KPR06, Sch23]. **Coupled** [ABD16, DS97a, AZA22, AGJ12, AA22, AB24, ACP23, BCG21, BSV09, Bog16, BSP04, Cao98b, CD23, CH19, CPY20, CC20a, Den07, DW21, DLM20, DTQ+20, HCS20, HC22, HZ20, HAA21, HAR21, HL24, Hus20, IB24, JCSR03, JNPC03, KLSW10, LMA18, LLHC18, LL19, LWW23, LZW17, LZW19, LD22, MD20b, MP05, NS21b, PK23, QAE+09, QH19, QCW+23, SA12a, Sea09, ST05, SW05, TS23, TT20, Tro93, WPT19, XLZ20, XZL07, YF24, ZZHS18, ZSS23, ZFS24, ZYH23, Zhe07]. **Coupling** [EJS11, GMS12, UNGD08, Ben17, BMS89, DZ12a, Den07, DMQ02, Dor91, FPS15, FLL11, GQ89, GMM09, GÖS20, HY01, HCW16, JS09, KMS10, MOS12, MT11, Rob10, RVM23, Sus10, XZH19]. **coupon** [ALY03]. **covariance** [FSU89, KK22b]. **Covolume** [Kan04]. **Covolume-based** [Kan04]. **Cowell** [LZ22, vdHMdS99]. **Cox** [AHT17, KL23b, WMC09]. **CPR** [DSZ15b, DSZ15a]. **crack** [JK20, MAG13, Par14]. **crack-like** [Par14]. **Crank** [ZR15, AD20c, DLM20, FP02, FSWZ19, HJYL19, KTYY24, LFB00, LL19, LZCF21, LJ20a, QH22, QXG21, TH18, WH19a, WZ22, YCWH23, ZL17, ZJH18]. **Cray** [CB99, HVY91, Noo95, WVBM88, van95]. **Cray-2** [WVBM88]. **creeping** [GP00]. **Criteria** [Ush18, BCV21, Gol00, Gul15]. **criterion** [CDD00, LPT16, SL09]. **critical** [Ari04, BH97, CJL13, CH21, MP11]. **Cross** [BWEP95, BKR13, GS15a, GLS09, IJ14, Meh08, RLMG24, van86a]. **cross-diffusion** [GS15a]. **cross-section** [Meh08]. **cross-sections** [RLMG24]. **crossed** [NT16]. **Crouzeix** [BC08b]. **crystal** [LMY18, LQXK23, LL20b, LC21, NS13, PHY19, WaZW23, ZY19, ZLSZ22, ZAB15]. **crystallization** [ABP95]. **crystallizers** [QAE+09]. **crystals** [CPY20, FMW18]. **cubature** [CBHY11, DSV13, KK17, KK22b]. **cube** [BDV17, Nak24]. **cubed** [CNT07]. **cubed-sphere** [CNT07]. **cubic** [ABY22, BY22, CGP15, DMPSC16, DTQ+20, DF92, FPT03, LLL08, LZW17, MN03, PPT02, PT19, PRS23, TLG20, VR01, Yan23, ZY19]. **cubic-quintic** [DTQ+20]. **curl** [BVV09, HS97]. **curl-curl** [BVV09]. **curl-systems** [Lee23]. **Current** [AL87, AGLRS23, BKP14, BM18, DDZK05, MS08b, RV09, Sel14]. **Curtis** [CL14, Maj17a]. **Curvature** [WT17, ALP+96, Mik97, MŠ99b, YCY12]. **curvature-based** [YCY12]. **Curvature-induced** [WT17]. **curve** [CH22, CGG02, Mai09, YC00]. **curve/surface** [YC00]. **Curved** [hYK86, FMW05, KX03, LL02, RA09, SFJ+05, XXYZ24, ZKO+21, dSFDG20]. **curvelet** [SGS20]. **Curves** [Eis86, Att97, BDV17, CGGM17, GS15b, Han06, LS10, Mik97, MŠ99b, ZS18]. **curvilinear** [DS15, FID18b, YH00]. **cut** [Ber15, BH12b, HLZ14, HD22]. **cuts** [RU15]. **cutting** [IMM04, MI03]. **CVBEM** [HW93]. **CVTs** [SUP+12]. **CWENO** [FCX06, LPR00a, SW12]. **CWENO-type** [FCX06]. **CWI** [vS96]. **cycle** [CK98, NN10, NER95, NR97]. **cycles** [KF97]. **Cyclic** [PPS10, Alb96, BMR17b, Sch89, dG91]. **cyclides** [MMP02a]. **cylinder** [Duf90, DGS24, LMS08, PP00]. **cylinders** [Son91]. **cylindrical** [BCS06, IR22, Kwa09,

LWT07, Pet00, RGK21, TT03].

D [ZS21b, CCM17, HW15, WC24b, AG05a, AEMX17, ASS21, Ant13, ASC03, AN22, BS21, BF15, BV94, BS08, BCV21, CNA23, Cau08, CK22, CPZ17, DC21, DMPSC16, EP15, FMS18, FLH22, Fou00, FS24, GS20, Gon06, HDY21, Hey20b, HWCF15, HZ12, Kal96, KM19, KD13, KNP16, KLSW06, KTYY24, LPR00b, LLHC17, LW07, LJ20a, Mai06, MKH16, MDA24, MG22, MM20b, NRR06, Now96, OT22, PSP05, PK23, PT23, PPC00, PMP23, QPT23, RZ00, SS00, Sha98, SSR23, Ste97, TCCW89, TYKK01b, UHUL21, VA05, Vej10, WKM04, WSY18, WL24, WPT19, WSC21, YH00, YZ17, ZZL01, Zha09, ZL18a, ZS21b, ZS18]. **D-convergence** [ZZL01]. **D-flows** [BS08]. **D/** [ZS21b]. **DAE** [CY98, NR97]. **DAE-aspect** [NR97]. **DAEs** [AFS00, AC96, BHSW20, CCMSS11, Cam99, CZ97, GPHAM12, GS09, HMT03a, HMT03b, San02, ST05, Wen05, YT03]. **Dai** [YFLX20]. **Dai-Liao** [YFLX20]. **dam** [CGN03]. **damage** [CFKS07, CFRA08]. **Damped** [KH91, AD19a, AD21, CC23a, CD20a, LFS21, LT23, MDP10, Moe98, MDA24, SD24b, WL22]. **damping** [CRR03, Jes85, JZS20, LR01, QM19, XLZ20, YLY19, ZS21b]. **Dantzig** [YP18a, YP18b]. **Darboux** [Bre91]. **Darcy** [BC12, CD23, Chi21, ÇK13, DZ12a, EJS11, EL01, GG22, HS17, Kie17, LLHC18, LH20, LFQH21, QH19, QCW+23, UNGD08, ZKO+21]. **DASPK** [MD96]. **Data** [DR93, LP05, Vas17, WCGW95, AAB+22, BG02a, BRW17, BRS+18, CY23, CPZ17, DC21, DMM24a, Ehr08, ECHF+20, FS19, FvdMS17, GO19, GO23, Har10, HKZ08, HM15, HM17, Jun97, KKN+13, KOS20, KKN+17, KDS22, LO96, PS02, PS03, PS19, RS09, RL86, RCGM98, RW87, RV05b, Sch08a, SS19, SND21, TT20, TWD23, TD09, WL21, ZJH18, ZHL08, ZXW17].

Data-dependent [DR93]. **data-driven** [TWD23]. **Data-parallel** [WCGW95]. **Data-sparse** [LP05, Vas17]. **databases** [WWS+93]. **datum** [NTHC21]. **Davidson** [Gen10, MS99a]. **DC** [HD23]. **DDE** [TS06]. **DDEs** [ST01, Sha05]. **dead** [HK22]. **Death** [BMR17b, BLM17b]. **deblurring** [BS10, DE16]. **Debye** [HJX+19, YWH20]. **decay** [BDKM92, Maj17b]. **December** [Ano21s, Ano22s, Ano23m]. **decomposed** [GCP91]. **Decomposition** [CFC03, TMS87, AAD+08, AF04, AM10b, Att97, ABCC18, BN99, BRRS15, BM89, BRVC09, Bog00, BP90, BS91, CG89, CES91, CJ90, Chn17, CDG19, CG16, Cve02, DC21, DS21c, De 93b, DA18b, DDS89, Dor91, Dou91, EZ98, Ewi91, FL05, GDEdLD23, Gas92, GNNR19, GK09, Gen10, GG19, GHF00, GS08, Haa97, HPS12, HSS07, IVA93, JM06, Jun97, KCS07, KG90, Kok08, Kop89, KJ99, KR20, Kuz90, LY08, LY09, LX21, LR00, LOM98, LRT99, LZY09, MH14, ML91, Meu91, MLB97, NX22, NRWF08, NTT22, NMB10, Par04, PKSB10, Pas91, Pav00, PR90, RV04, RV05a, SWW17, SG09, Ste05b, Su94, SLZ10, TS08, Tse00, VBVA22, VN21, WM07, WJM22, Yu99, ZS21a, ZHL03, ZZLL21]. **decomposition-type** [BN99, Cve02]. **decompositions** [Phi91, PT15]. **deconvolution** [Dun18, FLMR14]. **Decoupled** [CHLA21, HCS20, LMA18, BSZ22, GLML20, JY23, LH20, LC21, QCW+23, SFZ21, ZZHS18, ZFS24]. **decreasing** [DKK94]. **Dedicated** [CHM09, FFMZ13, LVW21]. **Dedication** [Ger94, GT93b]. **deduced** [AD19b]. **deep** [TK19, WTB24]. **default** [CC23b]. **defeating** [BO11]. **Defect** [AK21, FR01, QMLC15, ZS21b]. **defect-correction** [QMLC15, ZS21b]. **Defect-deferred** [AK21]. **deferred** [AK21, BM06b, CW98, HS11, Kre07, Lay08, Lay09, Min04, ÖT20, VV02, YXX24]. **defibrillation** [CKP15]. **deficient**

[Baz03, SY07]. **defined** [Att97, BWS21, CFS13]. **definite** [AA05, Ara99, Cao01, DL01, LWZ22, Liu02, Lu98b, MAD23, Sha98, SH21a, TM15, Zha21a]. **definiteness** [Mar08]. **definition** [KW93, ZS18]. **Deflated** [EAV16, Du11, WPS18]. **deflating** [AA94]. **deflation** [BWEP95, Mor05, VSeYD02]. **deflections** [YTZZ18]. **deformation** [GKT10, KM11, TYKK01b]. **deformations** [PFHL09]. **deformed** [GKB+22]. **Degasperis** [GZZ19]. **degeneracy** [Li08, PPS05, SZQH23]. **Degenerate** [DFZ16, KXK92, AJ24a, AD23, BBRBS09, BBCS05, BCS06, DSSC13, GGT24, yGyZ07, KL98, KK09a, LC99, PK23, Pło22, Spi90, WYYL19]. **degradation** [DSSC13]. **degree** [AA04, AL09, ATW20b, Beg00, BWY17, DhW09, Has08, Kin94, LZZ18, Mil17, PM91, PLB22, Sal03, Xiu08]. **degrees** [AHGM21, Mau08]. **DEIM** [YV17]. **Delaunay** [LS93]. **Delay** [SG06, ZFX17, AD19a, AD21, AHT17, AB24, BF92a, BP06a, BZ92, Bel97, BR94, BFdS10, Bre06, But92, Cah92, CSSZ20, CHZ14, CZ12, CFM+24, Den15, DFLM19, EH97, Enr06, Fan11, FJ97, Fel06, FNT06, Gan09, GHHG22, GeO24, Gug05, Guo01, HAML21, HZD21, HJ17, HS95, Hu99, JVZ97, JZK06, JP19, KMS19, KV95, KO96, KF97, KK20c, LZ14, LZJ21, LZ22, LW92a, MZK05, NP21, NLS20, OB24, OZHP23, Pau92, PH17, PWX24, RA17, SMJ12, SDK24, SH97, SOB20, SZ17, SA20, Spi97, SAMSB20a, SAMSB20b, TWL23, TYJ11, Van00, WZL08, WC11, WGW15, WCM23, WB92a, WB92b, WMC09, XY19, YXT17, YRV21a, ZZL01, ZH09, ZC10, ZHL22, ZZO16, ZYX20, ZP97, ZP98, ZX09, in 92, in 96]. **Delay-dependent** [ZFX17]. **delay-differential** [BR94, WB92a, WB92b]. **Delay-differential-algebraic** [SG06]. **delay-integro-differential** [BF92a, ZH09]. **delay-type** [NLS20]. **delayed** [LLD18, PMP23, RREP+20]. **delays** [AKS21, BT97a, BCT16, HHT97, Hig93a, Hua00, Kür23, LRE04, NT92, Pis22, RE19, tSqWyG16]. **delivery** [FGP23]. **DELSOL** [WB92a]. **delta** [BW15, GGS04]. **Deming** [Mon09]. **dendritic** [LQXK23]. **denoising** [BS10, Han19, YCY12]. **denominators** [PA91]. **dense** [AZHD23, FMS24, LW92b, ZNK02]. **density** [An20, AKT97, CCDJ20, CKS05, LA21, SW06, WWF20, ZFS24, BNH01]. **Dependence** [BN03]. **Dependent** [FG96, AB09a, AL17, AL22, AF89, ARS97, ABRW18, ÁMS17, BL21, BHJ05, BP14, BDF89, BK21b, BtTBV87, Bre02a, BK12, BJ01, BJ03, BJ06, Cah92, CP05b, dCCSR03, CCS17b, CST97, CT21, DFLM19, Dia95, DY03, DZMB21, DMA22, DR93, FNT06, GS19, GLPW09, GÖS20, GGR97, HHT97, HP14, HM15, HM17, HILK13, HR96, HLIS16, JCSR03, KK20a, KH91, LKV01, Lay09, LLT07, LHX20, Lua17, MG97, MS08b, MD20c, MC21, NT92, NK24a, NC16, Nor97, Pea16, PJB04, PAJ12, RZ00, RY13, RGA19, Rya00, Sar05, SM13, Sim10, SS17, SvdVvD06, SZW19, TER03, Toc01, Wan09, WZW13, WCM23, Won08, WdG92, XZW19, XL23, YS09, Yan22, ZLW22, ZJH+23, ZFX17, ZYS17, ZJ10, tV87, vdVS08]. **depending** [BY22]. **deposition** [CKB13]. **derefinement** [PPC00]. **Derivation** [Chr01, CMRV11, CAAT16]. **derivative** [AY21, AH11, ABH14, AH15, ACDP22, AHA23, AHO16, BP02, BB94, BMV06, CSLY19, DCJ20, EH07b, FH20, GJ00, Hey20b, KGR08, KKLD21, LR20b, Moo04, MAF20, MSA20, MAH22, PB21, Ram12, RGA19, Rus95, SC20, SSA+22, SL15, SND19, WL16, WB92b, Wu09, ZY14, iW07, iW09, iM13]. **derivative-free** [KKLD21]. **derivatives** [AGY08, APJ09, BFK11, CHZZ06, Che12b, CHS17, CD00, Dal13, DO17b, DR01, GND19, HEG16, JLH13, KCS07, KSHB21, KS01, LHWF08, LHÖ13,

LfX15, MD23b, OB20, RMH20, Rat13, SSA+22, Tan87, XC20, ZLG15, ZZ19b]. **deriving** [LIPT18]. **descent** [HZC22, Wan23, ZG20]. **describing** [GRGJ02, Rou20a]. **descriptor** [EK97, GKS20, Sim93, Udd20]. **DESI** [Dia95]. **Design** [Ale03, BZ17b, JMDN+22, PSW02, RGMO19, RREP+20, SW95a, AC08, ARSW05, BdFPSdSC08, CH04, IPL02, JPP19, Jam93, PLI03, SA08, SG05]. **designs** [AX20, KS10]. **destruction** [BDM03]. **detect** [GGS04, MMKN17]. **Detection** [Eir99, HK22, AS21, AC10, HS21a, JD09, JGK11, KM95, KXR+04, Lo06, SSW04]. **Determinantal** [Pre90]. **determinants** [WB90]. **Determination** [Deh01, ZH20, AED12, CJL13, HK09, KYI17, LV12]. **determined** [SK10]. **Determining** [AGY08, LN08, OAHN22, Su94, WL09c]. **Deterministic** [GS15a]. **detonation** [ZG92a]. **Developing** [BDF89, Pau92]. **Development** [AL87, Bor97, RA03, de 96, AFS96, DdSF07, FPPS00, vS96, van96]. **Developments** [Bak89, AQS94, ABFV09, BC89c, Dat99b]. **deviating** [BF20]. **deviations** [HD23, Yam23]. **device** [LS07b, YY13]. **devices** [AC08, BBS11]. **DG** [BBD20, Ort20]. **diabetes** [MLK06]. **diagonal** [BL21, BLY17, BKS07, Fuh01, TW00, ZH15]. **diagonalization** [HC01, WL24, YW24]. **Diagonalized** [AyLqW18, LLJY20]. **Diagonally** [But93, DR09a, JR00, KC19a, ABH14, BKAG22, BJ96, BJ98, BW03, CDP12, FS08, HH10a, Hor98, JVZ95, KW20, MAF20, MSA20, SAH24, vSC92, vS93, WBCK02]. **Diagonally-implicit** [But93, BW03, CDP12]. **diagrams** [Mar93]. **diameter** [CL07]. **Diamond** [LC19]. **diblock** [ZCY20]. **dichotomically** [ELLE02]. **dielectric** [AA20, HJX+19, YWH20]. **diesel** [SM08]. **Difference** [BKM95, BCE04, BGG+20, FLH22, KKP17, Pot85, RBBC85, RS00, AD20c, AES15, AEMX17, AAH21, AAI+93, Ano87a, AFS00, APJ10, BM00, BRTB19, BM12b, BIO24, BS18, BS20b, BCS06, CFLW22, CCDJ20, CCG13, CGA93, CHSS01, CP05b, CC19, Chi12, Cho13, CCL04, CS18, Con99, CBHM19, CMCGTR02, DS21c, DA18a, DL20, DW21, DL22a, Dor01, DS15, DCJ20, EP15, Est95, FE93, FWHM20, FG98, FKA+13, Fou00, FGGL22, GX11, GLV03, GHKM09, Gla94, Gol00, GZHQ23, GHF00, Hag15, HHAA22, HZ09, HHL23, HC22, HZD21, HL21, HL24, HLJ20, JL86, JL87, JT18, JZS20, Jor11, JV09, Kam00, KT05, KBS11, Kat89, KD13, Kni94, Kni95, Kop89, KDK17, KW93, KLSW06, LO22, LCK22, LY08, LHWF08, LY09, LR18a, LR18b, LR20a, LW21a, LWYG22, LXZS22, LZW19, LS99b, LCL18, Lte24]. **difference** [LR20b, Lyn99, LLW20, MDP10, MP11, MM14, MT06, MM20a, Mic03, MFAD23, MdD04, Nag22, PXHZ20, PWY21, Pap95, Pir09, QXQ22, RZ00, RZ18, RL21, RTU15, RGMO19, RG21, RT95, RU07, RU15, Sam94, SXL22, SDK15, SBS24, SA18, SL15, SMA01, SSKS21, Sto96, Str98b, SWW11, zSW06, SLZ10, TZ21, Tan93, TYKK01b, TDW23, Tol03, Tsy96, TY00, UWY22, Vab22, VVD95, Ven15, VRC21, WL09b, Wan17b, WL18, WR20, WDU21, WZ22, WLG22, WDL23, WS04, WSC21, XWW19, XZL19, XLZ20, XWZ21, XWX21, XGQ20, XXF22, YZG23, YDWW17, YH07, ZG21, ZQZ23, ZW19a, ZLL22, ZZL17, ZZLL21, iV09, vSW90]. **difference-quadrature** [AAH21]. **difference/compact** [QXQ22]. **difference/finite** [DA18a]. **difference/operational** [SSKS21]. **differences** [Gul15, Zeg97]. **differencing** [AEF+14, Dea11, DLQZ23, RK91, van86b]. **different** [BW23a, CHLA21, DCN+19,

DJM09, GGG16, HS02, HHL23, JUAZ22, JT09, KW21, LWD+09, MM16, OAHN22, Set24, SZ22a, SWFK13, SC08, SFZ21, Yu99]. **differentiable** [Zha09]. **Differential** [BGHR12, BGH+15, FR18, Jac87, Mär02, Pet87, Rei85, RU07, AKM+21, AJ19, ABZ21, AGZD22, Abu04, AAL21, AB88, ABdSG23, ASA20, AAH21, ADM22, ACLM22, AM99, AM00, AMCM08, AT93, ABI22, AL24, ABF09, AF89, Arn93, ARS97, ALP+96, AKS21, AD19b, AAEMY21, ADH00, AV00, Bac16, Bac17b, BTBR20, Bac21a, BS14a, BHJ05, BHJJ06, BKM95, BF92a, BT97a, BBPR05, BP06a, BF20, BL05, BCG21, BKP09, BJ05, Bas21, BZ92, Bel97, By01, BMGGG12, BGGG13, BDF89, BF92b, Bho12, BCC16, Bic21, Bla01, BtTBV87, BR94, Bok03, BJ11, BMPR15, BJ20, Bre06, BP92, BMM97a, BO21, Buc06, BS12, BS18, BS20b, BC89b, BB96, BDP96, BB98, But92, BC95, BJ96, BJ98, CGEV19, CC90, CGA96, CL01a, CHZ14, CNA23, CDP19, CD95, CSS87, CCM02]. **differential** [Cha98, CZ12, CSLY19, CGW20, CDW23, CL01b, Chi12, CC20b, Con20, CST97, CN11, CN15, CP03b, DD21, DV20, DS05, DR09b, Den93, DL13, DLPV17, DKL24, DB08, DCY20, DAMA23, ELCWS98, ESEKZ10, ER18, ELLE02, EGL09, EMMK01, EH97, Enr06, FM21, FK23, FID18a, FMMK01, Fan11, FL93, FH20, FH22, FTB97, Fel06, FT06, FNT06, FGP23, Gan09, Gan96, GS99a, GS19, GHHG22, GMG19, GPHA06, GLM09, GM17, Gu19, Gu20, GNAS+20, GAOB20, GN86, yGqWsWC05, yGyZ07, yGpY09, GGO13, GW20, Guo01, HM87, HZBM05, HP18, HAML21, HJ05, HZD21, HJ17, HS19a, Hig93b, HXW15, HCY18, HJ21, HR96, HN22, HL89, IM98, Ise02, IJ17a, JL91, Jac93, JVZ95, JVZ96, JVZ97, Jac02, JRW06, JZK06, JAH21, JK21, Jay95, JW01, JCN94, JMPY10, KMS19]. **differential** [KPY15, KV95, KK11, Kau95, KC19b, KO96, KS08, Koz94, KP15, KW20, KKR15, Kür23, KDKW20, LHHR94, LZQ22, LP24, Lay09, LLKJ21, LPZ00, Li05, LZ14, LZ17, LYF17, LW19a, LWY20, LW20a, LZJ21, LZ22, LSL11, LPV24, LMSW17, LZL14, LYK17, LLD18, LTT19, LMTW20, LLZ+22, LMW23, LYLL23, LCZ23, LSW23, LP00, LM22b, LS98, Luc05, MDD14, MAH18, MHA19, MD19b, MP96, MKN23, MCS16, MWC21, Mär95, MMRV20, MT11, MZK05, MT06, Mit22, Mit24b, MMM19, MFAD23, MD20c, Mok17, MP94, MJS23, MN08, Mur99b, NP21, NMKE13, NLS18, NLS20, NT92, Odi19, OB24, Olv92, Ost93, PM05, Pau92, PT11, PTV16, PTV20, PVM22, PH17, PAJ12, Pot97, PM14, PWX24, PG02, Pul05, Pul09, PSL18, QWX20, QXG21, RR21, ROB17, ROL19, RE19, RA05, RSR23, RTW21, RT20, RKVZ15, RN22]. **differential** [RTV00, RTV02, SS08a, SA90, San89, Sar05, SA12a, SMEN04, Sch02, Sch87, SOB20, SD13b, SG06, SGS20, SDG20, tSqWyG16, SZ12, SZ17, SWB20, SWB21, SSA+22, SP22, SZQH23, SA20, uIVS13, Sol15, SvdHN86, SCvdH92, Spi97, SSKS21, SSPZ20, SL01b, SG17, TN16, Tan93, TX18, Tem15, TLG20, Tho85, Tia15, TB01, TYJ11, TZA13, TDPU17, TV91, Tro93, VV09, Van00, Ver96b, WGKS12, WZL08, WG10, WC11, WWX13, WGW15, WMF17, WH19b, WLM21, WCM21, WZ22, WCL22, WCM23, WAV12, WC14, WYL11, WHL19, WB92a, WB92b, WSS97, WdG92, XFLC00, XY19, Xu13, XZZ19, YXT17, YMD21, YBL13, Yan18, YS22, YC13, YZH24, YDWW17, YY24, YRV21a, YRV21b, Yüz22, Zak20, ZHS22, Zha19a, ZG92b, ZH09, ZC10, ZZ19a, Zha20a, ZD20, Zha20b, ZZO16, ZFX17, ZW19a, ZLX19, ZYX20, ZSJ04, ZZ19b, ZJ19c, ZSZZ20]. **differential** [ZP97, ZP98, ZX09, ZC99, ZAB15, ZK00, Zuu95, dDF+94, in 92, in 95, in 96, tV87, vSW90, van96, vS97, vvdV97, vdHSW98, vB95]. **differential-algebraic**

[Arn93, BL05, BCG21, BKP09, BDF89, DS05, EGL09, Hig93b, Jay95, JW01, KKR15, LPZ00, LLZ+22, Luc05, MP96, Mär95, Mur99b, Ost93, RA05, SA12a, ZP97, vB95]. **differential-delay** [KO96]. **differential-functional** [ZK00]. **differentiated** [KP92]. **differentiation** [Bal00, Ber86, DGD03, EES05, Jam95, LLT20a, RH92, Ske89a, Ske89b, ZL11b, Zha21b]. **DiffMan** [EMMK01]. **Diffraction** [CJ22]. **diffractive** [DHL00]. **diffuse** [LS24b, Sch16b, YLW20a]. **Diffusion** [GM85, GNZ21, AS11, AD19a, AD20c, AD21, ALMM96, ALMM98, ALMM01, AJ24a, ABJ12, ASA20, AKBF19, AJ24b, AC18, AL98, ABR05, AN22, Bar05, BL15, BAD13, Bec18, BM01, BO04, BBRBS09, BC08a, BBCS05, BC04a, BM04b, BW97, BK21a, Bla00, Bi20, BS20a, BIO24, BTDV10, BBD24, Bra22, BFdS10, BFLR23, BK12, BJTZ20, BC97a, BCDP17, CGGGS11, CHZ21, CHM22, CFCH09, CC18, CGEV19, CdFN01, CW21, CCQ+23, CM02, ÇD17, CR23a, CT93, CDW13, CLTA18, CW22, CQZ20, Chn17, CK20, ÇY22, CJLS98, CJ23, CJ24, CF08, CA16, CRSF19, DRVA20, Deh01, DYX09, Den15, DM11a, Die15, Din19, DHM09, DL06, EV96, FMP04, Fou00, FV87, Fra14, Fra16, FJ95, FS24, FSWZ19, GAML04, GS15a, GLS09, GHW20, GZZ20, Gas92, GIS23, GD23a, GV02, GG19, GD21]. **diffusion** [GT19b, GPPR12, GPHA16, GO21, GO23, GS94, HM15, HO24a, HW06, HEG16, HQAZ24, HAA21, HS95, HK22, HFL13, HS19b, HAY20, HZAT21, HS21b, HM22, IKM23, JRS20, JR18, JT18, JWZ21, JHGZ20, Jia12, JL24, JT06a, Jun06, JOL23, KM95, KKT16, KP18, Kał22, KV07, KK20a, KAS22, KC03, KDH20, KOW05, KL09, KS01, KS04, KZ21, KTYY24, LWT07, LW93, Lan95, Lan97, Len00, Li01a, LY09, LR18a, LSP20, LCHW20, LWYG22, LLT20b, LQS21, lLNW21, LS21, LS99b, Liu09, LYY15, LCLW17, LCL18, LLZ19, LZCF21, LL21, LYZW22, LSW23, LXCM21, LO96, MOS02, MD19a, MMKN17, MN23, MSZ+24, MPSS16, MSGM23, Mar05, Mat09, MM20a, MG18, MOSW00, MHL18, MRFF17, Mul19, Nag22, NS03, NWL+22, NMB10, OQ15, OZHP23, OH20, Ort20, OCVW22, OAHN22, Par04, PGYF20, PSWZ21, PS09]. **diffusion** [PMP23, Que21, RSL89, RZ18, RL21, RG22, RY13, RREP+20, Sac93, SRK21, SRK22, SDK24, ST11, ST14a, SZE20, SZ09, SRMDRL23, SM13, SK22, Sha21, SY18, SC20, wSJP15, SSR23, SJ18, SG09, SKS23, SG07, SW13, SA18, SA19, SL15, Str98a, ST08, Su94, SWW11, SW24, SvdVvD06, zSW06, SW17, SZW19, TS23, TSB10, Top21, TH09, Tro96, TMM15, VA05, VVR08, VCN20, VNC21, Vej10, VBVA22, VL19, VN21, Wan01, WL09b, Wan09, WZW13, WR20, Wan20, WZZ21, WCS21, WY22, WC24b, WW14, Wei09, WB03, Won08, WG11, WPT19, WYYL19, WG22, XZW19, XF22, YL13, YZ17, YLFT20, YXN21, YZ19, YLLZ21, YWSL20, ZMC13, ZCZ15, ZWJ18, ZJ19a, ZYLL20, ZG21, ZZPJ23, ZWN23, ZZX20, ZLL22, ZML+12, Zhe19, ZZ20, ZEW20, ZLWF21, ZJLA22, ZSY20, ZX14, dlHV13, iW07, iW09, iM13, VK17]. **diffusion-advection** [LWYG22]. **diffusion-reaction** [MD19a, VK17]. **diffusion-wave** [AD19a, AD21, BK21a, CC18, Din19, HZAT21, LR18a, LCL18, LLZ19, OCVW22, SA18, zSW06, YLLZ21, ZJ19a, ZZ20]. **diffusions** [AY22, Dah02, DS23, Spi90]. **diffusive** [BL21, BMMZ06, ÇK13, CCM17, MMP20, QPT23, Zha19b, ZYJZ23]. **diffusive-viscous** [ZYJZ23]. **diffusivity** [MG18, WZZ21, YW19]. **digital** [GG95]. **dilation** [GP17]. **dim** [HA21]. **dimension** [CBHM19, HL89, LL98, MP11, SSvG10, TM04, WSS97]. **Dimensional** [Per88, Pet87, SR88b, TMS87, TD09, AS11, AD20c, AJT19, AW03, AJ24b, AMR12, ASCM02, Bac14, Bak89, Bar09, BBRBS09,

BG11b, BZ17a, BFA93, BS94b, BBLT15, BM18, Bri85, BS12, BF95, CR23a, CH01, CDW13, CLTA18, CQZ20, CAAT16, CJ23, CJ24, CY05, dCCSR03, CPOGO17, CMCGTR02, DhW09, DE06, Deh01, DA18a, DA18b, DHWL22, DCC14, Din93, Din19, DN08, ELCWS98, FP02, FD97, FdSB02, FCW20, FXCW21, GX11, GM16, GMM09, GNX19, HZ09, HPH20, Hor99, HK85, HR97, HZAT21, HS21b, HY24b, HN22, JTB15, JZXJ21, JHGZ20, JZZH22, JCJP21, JT06a, JGK11, KTK20, KV07, KME20, KM16, KF97, KCC04, KS09b, LM00, Lan95, LCHR03, Li16, LC19, LH21, LS07b, LLZ19, LZCF21, LAH09, LS93, DLM16, LMWZ07, MQO17, MS19, MM22, Med96, Mit24b, MH16b]. **dimensional** [Moo95b, Moo95c, Mus11, NY13, OFY$^+$23, OGS20, Pan21, PR90, QM10, QWX20, QXQ22, QNA23, RV22, SHL19, Sch91, SLJ86, SLW17, SR09, SXP09, SC20, SJ11, SZE$^+$92, SBS$^+$20, SvdHK94, SK96, SSA24, SW12, Su94, SWCH15, TBRBM20, Tem23, Ter22, TJ12, TV91, WZL13, WQ17, WMLB19, WLM21, WCS21, WCM21, WHW21, XC85, XL09a, XL23, XGQ20, XZT21, XLZ23, YQCZ22, YWW23, ZAED21, ZJ19a, ZQZ23, ZZX20, ZLG24, ZCSH11a, ZQLK11, ZCSH11b, dlHV13, iW09, vSK97]. **dimensionality** [WL21]. **Dimensions** [MOZ87, BHJJ06, BD11, CMP03, DL20, EFLFP09, FL09, Gar03, HL21, Hus20, JWZ21, KZ13, MZN21, MPSS16, Mar05, MD96, Ran20, Ros93, Str98a, TWMP20, TM05, WCJ23, ZLCH20, ZW19a, ZLWF21]. **diminishing** [Ano87a, JL86, JL87]. **DIMSIMs** [FJ17, Jac02, JM17]. **dipole** [Nes16]. **dipoles** [HNP17]. **Dirac** [CL20, FXY22, Gia12, GGS04, LW21a, Li22, WCJ23]. **Direct** [ECB07, Leo10a, VV95, YC13, AT93, ABI22, BCT16, BJM01, Car23, CM02, CGCMTR02, CCJ99, CMCGTR02, CRSF19, DB08, HFL13, HS19b, HT94, LCVG01, LZ20, Map05, ZS18, Zla85a, MS13]. **direction** [AD20c, ACM91, BMSZ21, BJ00, CSXL14, FMU15, GX11, JL94, KH91, LLZ19, LZW20, Phi87, QWX20, SN22, XZZL15, ZN21]. **direction-dependent** [KH91]. **directional** [BKR13, Dal13, DDK19]. **Directions** [Bie87, CXZ14, Sch99, dRT99]. **Dirichlet** [Ant13, Bie12, CY23, DA16, DYZ20, DP85, DY03, GP23, HJ09, HBJ09, LZIZ23, MH14, Mau08, MG18, OMP98, PA18, Sch16b, VBVA22, Zho18, vR04]. **Dirichlet-to-Neumann** [Bie12, OMP98]. **DIRK** [Ale03, Cam99, HO10]. **disadvantages** [Car09b]. **disaggregation** [Mar03]. **discontinuities** [AG05a, AGY08, BBW19, CFXZ06, Hig93a, JD09, KS07, NTT22, SB18, WB92b]. **discontinuity** [DL13, MQO17]. **Discontinuous** [BP06a, CGJ16, Cas06, Fre98, GHH09, Hop23, Kam16, Lia22, LYK17, Por17, SW05, VCN20, WSHC20, YZ17, ZYJZ23, AD20a, AKG14, AL09, AW14, AS20a, ASA20, ABI22, AFS11, Aug89, Bac14, Bac16, Bac17a, Bac17b, Bac17c, Bac18, Bac19, BTBR19, BTBR20, Bac21a, Bac21b, BVT14, BTP96, BS20a, Bus06, CY23, CP06, CGN03, CL20, CCK08, ÇY22, DGN12, DN13, DL13, DMR18, DL16, DL21b, ER07, EKT19, FD16, Fra16, FJ95, GP23, GM18, GS20, GÖ20, GO21, HLMP09, HSS07, HMP14, HJL18, HH18, HS19b, HAY20, HJ03, ID19, KPY15, KB21, KwS19, KWLK00, KXR$^+$04, KQ13a, KQ13b, LH11, LHS00, LZ14, LW19a, LW20a, LB23, LS07b, LM22b, ML16, MFAD23, Mus11, NS21a, NWL$^+$22, NSD23, PCRR17, RC18, RSR23, SRK21, SC19, SA12b, SZ09]. **discontinuous** [wSJP15, SvdVvD06, Tem15, Tem23, VSeYD02, Wal19, WCXL09, WTY21, WJM22, WWLL23, WaZ24, XF06, YW19, YT00, Yua20, ZY14, ZYZJ24, ZZ17, ZZ20, ZX14, ZSQ20, ZSQ21, vR04, vdVS08, vB95, CHZ21]. **discontinuously** [VT91]. **Discrepancy** [Sch04, DE18]. **Discrete**

[DHWL22, DLM05, Ehr08, FHK05, Har93, KR18, LMS08, PP24, PZ20, WY22, XG22, AZHD23, AM09, Ale11, AD18b, BS14a, BM12a, BHL+21, BKM13, BRIP08, BCE04, BF09, BH96, BL06, BGS02, CXNF14, CRS05, CGW20, CCZ22, CMS04, Dal00, DV95b, DLM20, Dun18, EV96, Enr06, EEE22, FGPR12, GFB99, GNNR19, GKS20, Gon06, HAA21, Hu99, KPR12a, KR20, KK17, KK20b, KK22b, LRS23, LOS03, LSK12, LLY21, LYZJ23, LCL18, LXCM21, Lyn92, MD22, MC17, MW24, MKJ23, MRH14, MWYZ18, Nak24, PR09, PT11, PD01, PLB22, RKR20, RT14, Rog19, SZ22b, SMW21, Sin24, SW24, zSW06, SND21, TZ21, VVV24, Vej10, jWjJ17, WS21, jWC22, XP23, YK04b, ZQY18, Zha19b, ZFC20, ZD21, ZLSZ22, ZWK15, ZR15]. **discrete-ordinate** [Sin24]. **discrete-time** [GKS20, WS21, ZFC20]. **discrete/continuous** [GFB99]. **discretely** [FV01]. **discretisation** [BDM03, HvdHV10, JR18, LT19, QPT23, TGB08]. **discretisations** [GÖ20, JPP19, Mat09]. **discretised** [HS95]. **discretising** [PSL18]. **Discretization** [AB09a, FI03, LS98, Roo20, AMT13, AZ23, ASZ15, AKT97, AB12b, BM12a, BCS17, BW95, BK12, CGT13, CLT97, CWZ23, DY17, DM11a, DT10, FMS18, GHK16, GAW09, GTS20, HL99, HT94, KDAK13, KM19, KPR06, KvyS15, Kra92, LPT94, LSV22, LCLW17, LO96, MS86, MSZ+24, MR20, MMDS21, MMP20, MT20, NBNTGV11, PSWZ21, Que21, Rei99, Rob01, SW12, TN16, Tau09, VB07, VK17, VL08, WJM22, YB10, ZBY19, ZFS24, vR04]. **discretizations** [AMC02, APJ10, BVV09, BJ01, BJ06, CGMS21, CHOR19, DLZ21, Fun04, GLV06, Gje07, GT93a, HS98, HW97, HST14, HS97, LO95, Mul99, Osw97, PJB04, Sch02, Sch87, Str98a, XG22, vSK97]. **Discretize** [SC11, CD18]. **Discretize-then-relax** [SC11]. **Discretized** [Imo00, ADH00, BL21, BN12, DJ10, Guo15, Ise97, Poh93]. **discretizing** [HAML21]. **Disease** [HL97, ABdSG23, BS24]. **disorder** [Den07]. **disordered** [ABD16]. **dispersion** [AB97, JL17, LR18b, ZM19, van86b]. **Dispersive** [Rog19, BBD20, DM09b, DGM18, DMM24b, DL16, Est95, IJ21, JUAZ22, LSG24, LT23, PD01, WXY24]. **displacement** [FBS09, LY08, RVD00, ZYSZ14, ZYZJ24, ZGR23]. **dissimilar** [MAG13]. **dissipated** [GM08]. **dissipates** [MD22]. **Dissipation** [AZ23, BFQ22, CC23a, CSW19, Leo10a, LFS21, RGÖS18, SRMDRL23, SGN06, ZH21]. **Dissipation-preserving** [AZ23, CC23a, LFS21, ZH21]. **dissipative** [Gar96, HO10, JZS20, Rog19, WXY24, XLZ20]. **dissipatively** [HL99]. **Dissipativity** [Gan09, Hua00, WYL11, MDD14]. **distances** [CP07]. **distorted** [WG11]. **Distributed** [SW20b, AD20c, AD21, ABG+15, BGH08, BSZ15, BJTZ20, Eij95, KK20a, LR18a, LSGK15, LSY21, LRE04, MRV93, MMM19, MRFF17, Per99, ROL19, RZ18, XL11, XZZ19, YRV21b, ZZX20, ZLL22, dv95a]. **distributed-order** [AD20c, AD21, BJTZ20, KK20a, LR18a, ROL19, XZZ19, YRV21b, ZZX20, ZLL22]. **distributing** [Mit97]. **distribution** [DNW18, Shy91b]. **distributions** [AEA23, BD07, DMGVPO09, Maj20, Rus95, SdSC99]. **div** [BVV09, Lee23, LFQH21, MV18, YZ21, ZZ24, MD23b]. **Div-Free** [MD23b]. **div-grad** [BVV09]. **div/curl** [Lee23]. **div/curl-systems** [Lee23]. **divergence** [CHSS01, GDS+15, HZ12, HS97, Mat08, MP15, MD21, MD23b, MWYZ18, Pas91, Sin23, WaZW23, YZ21, YZ22, ZBD24, ZFZ19]. **divergence-free** [HZ12, MP15, MD21, MD23b, Pas91, WaZW23, ZBD24, ZFZ19]. **divergent** [BW15, CFV10, Wen10a, Wen10b, ZJ10]. **diverse** [DCN+19]. **diversification** [AD99].

divide [DH94, Jes93]. **divide-and-conquer** [DH94]. **division** [FT96]. **divisor** [BWY17, BWS21]. **DKLAG6** [CST97]. **DLN** [QCW+23]. **DMLPG** [MS13]. **document** [MMBB07]. **Domain** [AF04, Bog00, BS91, CES91, IVA93, JM06, KG90, Kop89, KJ99, LY08, ML91, Pas91, Pav00, TMS87, ADG+24, AMR14, ABCC18, ABG+15, BM89, BRVC09, BWS21, BP90, BH12b, CG89, CM14, Chn17, CDG19, CRR03, CG16, DF11, DDZK05, De 93b, DDS89, DHL00, Dor91, Dou91, DY03, EZ98, Ewi91, FWL18, FL05, Fat12, FPPS00, Gas92, GK09, Gen10, GCP91, GD22, GHF00, Haa97, Hab08, HZ09, Har98, HSS07, HLJ20, Jun97, Kok08, KRBK16, Kuz90, LLL08, LY09, LX21, LR00, LOM98, LS05, MAHZ21, MS86, MH14, Meu91, Mit97, MG22, MLB97, Mul19, NX22, NRWF08, NTT22, NMB10, Par04, PR09, PR90, RAS99, RV04, RV05a, SH10, SWW17, Ste05b, SM89, Su94, SW20b, Tse00, VBVA22, WL18, WJW19, WJM22, Yu99, YDWW17, ZPT92, ZS21a, ZHL03, Zho17, Zho18]. **domain-based** [Har98]. **Domains** [EHV19, AEN22, BN12, BBD24, CL08, CM02, CSX23, DS17, Dun18, FID18b, FMS18, Fer09, FL15, FL20, FBM17, FS24, yGyZ07, HHYD20, HZBM05, HP18, HY01, HS21b, JT06a, KDK17, Lau17a, LHWF08, LZH19, LZIZ23, MPTT17, Nke07, Pec09, PS19, Roz05, RA09, RS00, RU15, SFJ+05, SvdVvD06, Tsy98, TY00, Wal00a, WS04, Yos00, YLW21, Zha14, ZLW22, ZZL17]. **Dominant** [LXCM21, DB95, SMJ12]. **dominated** [BC08a, CP05b, GAML04, GZZ20, Hin95, OEAS21]. **Döring** [DS01]. **Dormand** [EL97]. **Double** [MZXX24, SD22b, BHB23, ÇK13, DS97b, GL17, MK14, MCS06, MMD20, PG21, Wel10b]. **double-diffusive** [ÇK13]. **double-fractional** [MMD20]. **double-sided** [GL17]. **doubly** [BW06, KW20, PR22, SKO19, WKP12]. **down** [CH04]. **downdating** [YK04a]. **Downwind** [BW97]. **DP** [DHS05]. **DPMHSS** [CDW19]. **DPMHSS-based** [CDW19]. **DPS** [SD22b]. **drag** [RGK21]. **drift** [ACLM22, BK12, BSTT22, DR09a, Fou00, GHW20, GT19b, LSW23]. **drift-diffusion** [BK12, Fou00]. **drift-implicit** [DR09a]. **drift-oscillatory** [ACLM22]. **driven** [AKT97, Bac18, BTBR20, DS21a, DHM09, Guo00, HHW18, HJ21, HLY22, Mik97, MŠ99b, MT20, RSK24, RBC02, RTT01, ST19, TWD23, WYY20]. **driven-cavity** [Guo00]. **drug** [FGP23]. **Drummond** [BRZ10]. **dry** [BDMG12, WC24a]. **DtN** [CAAT16]. **Dual** [CLS04, GHT05, BCFQ19, BCFQ21, BSZ99, BSZ22, CHLA21, CW21, Car09b, CCK03, HT20, HMW05, MDT05, NYPW21, NRR06, SZ22a, SZ99, TDW23, ZZX19a, dRT99]. **dual-phase-lag** [BCFQ19, BCFQ21]. **dual-porosity-Navier** [CHLA21]. **dual-porosity-Stokes** [BSZ22, SZ22a]. **dual-power** [NYPW21]. **dual-species** [CCK03]. **Duality** [BBW19, DE16, DL21a, LRS23]. **duals** [MB08]. **duct** [Gla94]. **Due** [PGM86, BMP05, Fai00]. **Duffing** [EK95]. **Dundee** [Ano02g]. **dunes** [FF20]. **Dupin** [MMP02a]. **DY** [LWLW24]. **Dynamic** [HL89, MC00, Ahn07, AZ23, AC18, AGQ+24, BBD18, BS94b, CS01, Chr96, CMMR23, CF13c, CF14, DS07a, De 06, DBH+05, EW08, FLÖ+97, GL17, HS07, HLR18, Ito17, Ito22, KW12, LA12, LZ13, MW24, RP01, RN04, SMC08, SYL+20, Shy91a, Shy91b, SM89, Tan23, UWY22, Wee01]. **Dynamical** [CLT97, Con20, Jéz04, Arn95, Bai02, BM06a, BCF+13, BS24, CH95a, Car94, CCP04, CYYH21, DV95b, GEGG+20, Hua00, Ise94, LBCN00, MR06, Pul12, Ram96, RW87, Sch95a]. **dynamically** [CPY20, Tho85, TLV92]. **dynamically-adaptive** [Tho85]. **Dynamics** [MOZ87, SH97, ZB07, AZHD23, ABdSG23, AB12b, AS00, ADH00, Aya09, BASC17,

Buc04, CKP15, DG96, DL22b, DM11b, DC18b, Elm02, EK97, FL05, FXY22, FJL21, FMP04, FJ95, Gus87, HCS20, IKMM23, JRT90, Leo10a, LW22, LSGK15, LY24, Lub04, LS05, MCBV20, NRWF08, Pow94, Pul86, Rob10, RA17, SB03, SD93, Tad86, TK19, Tur93, VS91, VT91, WPAZ24, ZML+12, dPT96, FZM20].

each [GGG16]. **early** [AFIS24, ZGO12, ZO14]. **early-exercise** [ZGO12, ZO14]. **early-stage** [AFIS24]. **Earth** [Nak05]. **earthquake** [FKA+13]. **Economical** [BM06b, CN11, WH19b]. **economization** [Som86]. **eddy** [AGLRS23, BKP14, LCVG01, MS08b, RV09, Sel14]. **eddy-current** [RV09]. **Edge** [CS04, BG06, CXZ09, KM95, OK98, PPS05, Sou09]. **edges** [JGK11]. **Editorial** [Ano87b, Ano11a, Ano18g, Ano18h, BRW21, GW02, Vic05, Ano91, Ano93, Ano03e, Ano03f, Ano04d, Ano04e, Ano04f, Ano04g, Ano04h, Ano04i, Ano04j, Ano04k, Ano05d, Ano05e, Ano11b, Ano11c, Ano11d, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano12k, Ano12l, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c, Ano14d, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano17k, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano18a, Ano18b]. **Editorial** [Ano18c, Ano18d, Ano18e, Ano18f, Ano18i, Ano18j, Ano18k, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l, Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21a, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano22a, Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano24a, Ano24b, Ano24c, Ano24d, Ano24e, Ano24f, Ano24g]. **EEG** [LWD+09]. **eeKdV** [NK24b]. **ef** [Car23]. **Effect** [CRTU15, LL23, LR03, AD15, AM16b, ADH00, BKM13, BSQ96, EK96, HD04, Spi95, WDZS21, dv95a]. **Effective** [CG92, LHH08, LH09, NCYC22, SPS20, AA87, BS96b, But98, IB24, LS12, NLS18, Ror06, RT95, TSFB01, Tsy96, ZN21]. **Effects** [BO87, GT19a, FI03, KX03, TS23, vB95]. **efficiency** [CZ90, Fuj02, Lay09, MNSS22]. **Efficient** [BF15, BHSW20, BMR17b, BIM15, CC23a, CHOR19, CH01, CJ24, Deh05, DMH18, DB08, DK14, EH06, FTB97, FJL21, Gem23, GKB+22, HLMP09, Has20, HC22, HLJ20, HCGW22, HST14, Kwa09, LV12, LAZ20, LD21, LS86, MAH18, MCS16, MR01, NS20, SS08a, SWL20, SKO19, SSKS21, WMF17, WT20, Woź10, XF22, YK04a, YV17, YLFT20, YLW21, YW24, ZXYW22, ZGO12, ZCY20, ZLW22, Zou11, de 95b, AG05a, AGJ12, AA20, AGQ+24, AEN22, BD85, BMR+17a, BvG19, BS97b, BJ20, BJM01, BZ17b, CFX08, CJL13, CKB13, CGPT19, CPZ17, DR09b, DA18a, DZW24, DII15, Elg17, FXCW21, Gla93, Gla94, GPHAM12, HJR22, HAN23, HKZ08, HMN20, HS86, HOS11, HJ21, Hua98, Hua17, IR22, JZXJ21, JJL+24, KK20a, KCY19, KZ21, LWT07, LTC03, Lei02, LRC19, LWW22, LL23, LL20b, LBCN00, MVVA09a]. **efficient** [MMD20, MK19, Nes16, NMB10, PB21, PRS23, QNA23, Ric08, ST14b, SWR11, Wal19, WCM23, XGHM22, YK07, YWW23, YLLZ21, ZH21, ZY19, Zha01, ZLL22]. **Efficiently** [BC89b, WW19]. **EFG**

[DA16, DA18b]. **EFIE** [LCJQ12]. **eigen** [LYC24]. **eigen-problems** [LYC24]. **eigenbasis** [GT15]. **eigenfunction** [BMV19]. **eigenfunctions** [Bie12, CF18, HM09, Pru00]. **eigenmodes** [LLL08]. **eigenpairs** [ARY23, Jia02, YSBL14]. **eigenproblem** [JP93]. **eigenproblems** [Jia00, Pet92, RA09]. **eigensolvers** [AG05b]. **eigenspace** [LfX15]. **eigensystems** [Tan87]. **Eigenvalue** [Nak12, ZGL98, AGM09, ARY23, ASZ18, AG05b, AC08, AP08, BGO13, BNH01, BLY16, Bou16, BMV19, CL08, CJX11, CWP21, DDP12, FdSB02, Gen10, GGO12, GGO16, GCP91, Jes93, JLZ20, Khe91, Kim19, LVfP14, LB23, LX09, LfX15, LB21, Mat05, MZM20, Men23, PV93, SLJ11, Sol15, SL01b, TM15, TC19, XC20, XYHM20, YLL09, YSBL14, YXX19, ZBY19]. **eigenvalues** [An16, AT13, BC99, Bie12, BG14, BMV06, CF18, Con99, Ghe97, HC01, LfX15, Mor05, Ore93, Sch23, YBL13, ZLHW19]. **eigenvector** [BGO13, GGO16, XC20]. **eigenvectors** [ADNR21, HC01, LfX15]. **eight** [Wen98]. **eighth** [EL97]. **eighth-order** [EL97]. **eikonal** [ACMR06]. **Einstein** [EHNR24, EEJB22, ZB07]. **Elastic** [CLP15, Abr93, AMV17, BFQ22, CFKS07, Che88, DG96, DT89, FJH$^+$01, HS07, IT07, KK06, LH11, LDIW16, LB23, LR01, LR03, RL06, RLHC19, SWY$^+$23, Sim98, WQ17, XC85, YR22]. **elastic-visco-plastic** [HS07]. **elastica** [Ito17, Ito22]. **elasticity** [BF01, BBG14, BB24, BRS05, BLJ21, BCV21, CGS19, CHX13, De 93b, DN13, HH18, LHC09, LH21, MOS12, MG00, Por17, SS99, Wan05, XZL07]. **elastodynamic** [DPPR16, DS15]. **elastohydrodynamic** [AGJ12]. **elastoplasticity** [BS02, SW11]. **elastostatics** [AOW94, FMGN94]. **electric** [AGLRS23, Dav98, ESS15, GR93, LW07]. **electrical** [BBS11]. **electricity** [CGEV19]. **electro** [FPS15, NS16, RV09, RGK21]. **electro-hydrodynamic** [RGK21]. **electro-magnetostatics** [RV09]. **electro-mechanical** [FPS15]. **electro-stress** [NS16]. **electroelastic** [MZ04]. **electroencephalographic** [KRBK16]. **electroencephalography** [FOMC05]. **electrohydrodynamic** [IR22, Rou20a]. **Electromagnetic** [DRC85, CM14, Du11, EH05, GAW09, Hab08, HM86, IJ14, LSV22, LGH11, NT16, Par14, PB21, Ric08, WN12, WWLS08]. **electromagneto** [BGM$^+$09]. **Electron** [DRC85, TMS87, CPD$^+$05, PCA10]. **electronic** [BLW02, SW06]. **Electrophoresis** [VK17]. **electrophysiology** [CK22, NK11]. **electrostatic** [HNP17]. **Element** [BS14a, BW86, BTDV10, CF86, Rei85, ZW87, AD19a, AD20b, ABZ21, AMRR18, AP20, ANN19, AL09, AMT13, ADG$^+$24, AS97, AK00, ADK94, AMH24, ATW20a, ATW20b, AA87, ADFR18, ADM22, AJ24b, AKL08, ABR05, ACP23, Arc06, AM16a, AMH03, APJ09, BSGU94, BC12, BHJ05, BP14, BPS19, BY00, BF01, BK17, BLY17, BM01, Beh97, BB15, BLJ21, BC08a, BCGS24, BMS89, BC08b, BGH08, BKP14, BDF94, Bla00, BC01, BBD08, Bof06, BG14, Boh03, Bra00, BM18, BJM01, BJTZ20, BD11, Bür12, Bür13, BL08, BH12b, BD22, CGS19, CHP19, CY23, CLT97, CHLA21, CW21, CDGA17, Car09a, Cau08, CS94, ÇD17, CGRT18, CCZZ18, CH01, CX01, CC04b, CZ04, CH07, CXZ09, CCLT10, CL10, CJX11, CHX13, CSXL14, CZHX19, CWHF19, CYWH22, CWZ23, CL18, CK20, ÇK13, Cod08, dCCSR03]. **element** [Cop03, Coy12, DPPR16, DV20, DGM22, DB97, DA16, DA17, DA18a, DA18b, DA19, DSA20, DGE22, Dek17, DK21, DTGN23, DDS89, DM11a, DLP06, DN08, DL16, DCL23, yDqGnJT09, DYF23, DL06, DR93, EH07a, ER07, EFLFP09, FID18b, FS15, Fat12, FLH22, FMGN94, FLÖ$^+$97, Fre98, FJS99,

FWW+21, GAML04, GM10, GP23, GIS23, GHH20, GAW09, GLPW09, GD21, GGO12, GGO16, GP01, Gol86, GHT05, GCZZ23, GGG16, GGRN17, GGRBRG22, GS94, Gwi09, HLZ14, Har10, HKZ08, HLMP09, HSS04, HH22, HL08, HS20, HD22, HTSZ23, HO24a, HS22, HMdV03, HL02a, HL23, HL03, HvdHV10, HW97, HCY18, HJYL19, Hsi06, HLC01, HZ02, HZ12, Hua17, HJX+19, HAC22, Hus20, HSY18, JPP19, JJ94, JP08b, Jeo09, JK14, JCL18, JLZ20, JWZ21, JEG10, Joh01, Kam16, KDAK13, KTD20, Kar89]. **element** [Kie17, KK09b, Kim12, Kim21, KJ99, KFOF02, KZ13, KK22a, KN93, KDD23, Kur98, KX03, Kwe01, Kwe03, LHC09, Lam13, LCHR03, LP05, Lee23, LWD+09, Li98, Li00a, Li01a, LHH08, LH09, LA11, Li12, Li16, LHW17, LLHC18, LW19a, LL20a, LSP20, LW20a, LWW20, LCHW20, LLY21, LH21, LL23, LL24, LWaZ24, LX09, LLS+96, Liu09, LCLW17, LC20, LN21, LZIZ23, LS24b, LD22, LT19, LAH09, LL02, LW95, Luc95, LZY09, LJ20a, LJ20b, MD00, MK14, Mai06, MM22, MCS06, MZS10, MP20, MZM20, Men23, MF23, MH16b, MD96, Mou03, MWYZ18, MC21, MT20, Mul99, MM20b, Nak05, NY13, Nke07, NS16, OL18, OH20, OEAS21, PZMX16, Pec09, PSWZ21, PP00, PT95, PS21, PS19, Qi24, QMLC15, Quy19, RZS21, Ran20, RSK24, RS20, Ric91, Ric94, Ris05, Rob10, RV15, RX08, RBT15, RA09, SSZ16, SS00, SGS00]. **element** [SD11, SD13b, SS19, SH10, SQ17, SWX00, SWY+23, SA00, SJ20, SL20, SW20a, SW21, SG07, SD09, SCLL21, Sol15, SW20b, TLP18a, TLP18b, TWMP20, TN16, TC22, TW00, TM21, Top21, TM04, TM05, VO00a, VNC21, VMS07, WZL13, WCSQ18, WSY18, WZ19, WaZW21, WY22, WL22, WaZW23, WLY24, WK00, Won08, WYYL19, XZW19, XL23, XL09b, XZH19, XHYM22, XP23, YGY15, YLL09, YS09, YY13, YSBL14, YQCZ22, YYZ23, YZ21, YCWH23, YZ19, YHT23, YW24, Yua20, ZBD24, ZL17, ZLY23, ZOZ09, ZCZ15, ZSG+20, ZLW20b, ZL21, ZL22, ZZPJ23, ZSS23, ZZ24, ZYZJ24, ZZZ19, ZPT92, Zhe07, ZWK15, ZZ17, ZZ20, ZLWF21, ZS21a, Zho17, ZZC+18, dFN00, dSFDG20, van95, BTDV10, CLR11]. **element-free** [Li16, LL23, ZOZ09]. **Element/Spectral** [BTDV10]. **Elements** [CHM09, AW03, Arc06, Aso21, BHJJ06, Ber04, Ber05, BG06, Bot97, Bra00, BL08, BH12b, CHZ21, CZS04, CYM09, DDGN23, EJS11, FM11, Fun94, HLMP09, HDS20, HLY04, HLZ06, HMW05, HJ03, Jun06, KV20, KOS+12, KX03, LPT94, LM00, LH02, LMWZ10, ML91, MM02b, Pav00, PT23, Pic05, SV24, ST08, TW00, Tro96, TMM15, WB90, YBL13, Yi12, Zeg97, Zha09, dSFDG20]. **eliminated** [Mau08]. **Eliminating** [ACM91]. **elimination** [AGP97, GP93, GY94, YH18]. **elliptic** [ANN19, AyLqW18, AK09, AEMX17, AB09a, AD23, AMR14, Ars20, AC16, Bac21b, BS14b, Bar09, BGG04, BGH08, Bog20, BHR05, BMV19, BSZ15, BH97, CY23, CL08, Cas06, CSS87, CES91, CC04b, CZ04, CYM09, CZHX19, CDW23, CWZ23, Che12b, CL20, DDHS97, DT15, DS17, DS21c, DP90, EP15, EH08, EGH01, FG98, FLR08, GSR00, GRLL01, Gon06, GGR97, GFPG18, HZ21, Har10, HP18, HM01, HD22, HO24a, HO24b, HMdV03, HOS11, HSY18, JP08b, JS09, Jeo09, JK14, JCL18, KL98, KG90, Kim07, KS09a, KwS19, KS07, LRS23, LHHR94, LHH96, LH02, LMWZ10, LX09, LY03, LAH09, LL02, LP01, ML16, MM02c, NY13, OS08, OT22, PAP17, PZ20, PS21, RTV00, RTV02, Roz05, Sch16b, Sch87, SNOK21, SD13b, SSR23, Shi20, SD09, SZL18, TL07, VO00b, VSeYD02, Wan07b, WCXL09, WCW14]. **elliptic** [Wan17b, WCSQ18, WZ19, War92, WKN20, XZT21, XHJM21, Xu21, XHYM22, YGY15, YSBL14, Yos00, YXB95, ZTZ15, ZWL11, ZX22, Zou10, Zou11, dSFDG20]. **elliptical** [BDSG09, DSV13]. **elliptical-** [BDSG09].

Elsässer [AEK23]. **EMAC** [CHOR19]. **Embedded** [KNT13, BDGP96, BDP99, BCT19, vR04, Kam16]. **embryogenesis** [MSS+15]. **Emden** [SSC23, AY21, DSAB20, ER18, GS24, Güm20, IB24, LO03, RTA19]. **emphasis** [GR02, HDS20]. **empirical** [LZZ18]. **enclosed** [DS17]. **enclosing** [DMH18]. **Enclosure** [RBBC85]. **enclosures** [RNG22]. **Encoding** [DMM24a]. **end** [Agu15, Wel10b]. **end-point** [Wel10b]. **endgame** [WWS+93]. **endpoint** [ZMY21]. **ends** [Ito17, RL06, RLHC19]. **energies** [FJP17]. **Energy** [AFF+15, BUL23, BMWH20, CWY20, EFLFP09, GGT24, HS20, LW19b, Li22, UWY22, WJW19, ZHL08, AGK24, Bar12, BFGP08, BCCHM21, CHP19, CFLW22, CCL04, DGE22, DL20, DW21, DL22b, FXCW21, GM08, GLML20, HTSZ23, HMD21, HL21, HWZ22, HL24, HCGW22, Ito17, JWG20, JJL+24, LMY18, LCW20, LW22, LL20b, LC21, LYA+19, MD20a, MD22, DE18, MMDH19, MMD20, MMDS21, NK24b, PHY19, QH22, Qi24, SRMDRL23, SL21, TZ21, Wan20, WLY24, XXYZ24, XLZ20, XWZ21, XCHW22, YZH19a, Yan23, YF24, ZCY20, ZFS24]. **energy-** [DW21]. **energy-conservative** [CHP19]. **Energy-conserving** [UWY22, HTSZ23, HMD21, MD20a, MMDH19]. **energy-preservation** [DL22b]. **Energy-preserving** [BUL23, HS20, LW19b, Li22, DL20, FXCW21, HL21, HL24, JWG20, LW22, MMD20, YF24]. **Energy-stable** [GGT24, QH22, Qi24, WLY24, XXYZ24, Yan23]. **energy-transport** [BCCHM21]. **engine** [NER95, NR97, SM08, van98]. **engineering** [SW95d]. **engines** [Fer14]. **Enhanced** [BB94, CCC08, GT00, Aff94, CHX13, SBS24]. **enhancement** [BGO13, WZ02]. **Enlarging** [Zha07]. **ENO** [AMR12, BL06, HS98, KS09b, SZE+92]. **ENO-discretizations** [HS98]. **enough** [Enr06]. **enriched** [CGRT18, CL20, OEAS21, PT23, WCSQ18]. **enrichment** [DTGN23]. **ensemble** [BGM19, JY23]. **ensembles** [AB17]. **ensures** [Rob01]. **Enthalpy** [Jes85, Ros93]. **entire** [Dés08]. **entropy** [AJ24a, CDI91, CSW19, HJP10, Tad86]. **environment** [GGNP02, KLS13, WG19]. **environmental** [DMP08]. **environments** [LS99a, RN04]. **epidemic** [CHM22, CT21, MPV24]. **epidemics** [HJ06]. **epitaxial** [SL21]. **epitaxy** [CZY18]. **Epsilon** [Lot19]. **equal** [GHH20, KOS21]. **equal-order** [GHH20]. **equalities** [MMP09]. **equality** [LDP+14, LJYS20, LCZ21, ZP12]. **Equation** [Ant13, PB10, PGM86, AS11, AD19a, AD20b, AD20a, AD20c, AD21, AZHD23, ABJ12, ADK94, AS04, AMK18, AMH24, AÁ21, AHO16, Ale11, AT15, AZ23, ACMR06, ABKG21, AB10b, ALZ+21, Ang06, AM10a, AD01a, ABR05, AR15, AJK20, APJ09, AM04, AED12, ADH00, ÁMS17, AEN22, Bac17c, BF92a, BS06, BOEP00, BCS17, Bas21, BM01, BGT97, BCM04, BMGGG12, BN12, BM04c, BLM17a, BK21a, Bho12, BDKM92, DSM22, Bor02, BDN+97, BIO24, Boy91a, Boy07, Bra22, BFdO07, BP92, BPTT15, BR97, BMWH20, BC97a, BB98, CGT13, Cai09, CHP19, CC23a, CGH23, CFS13, CGP15, CNA23, CCG13, CM09, ÇD17, CCZZ18, CjW18, CJL13, CJ18, Che88, CH01, CDW13, CHH15, CXZ17, CWX21, CLX21, CCST22, CQZ20, CWY20, CG21, CLP15, CF13b, Cho13, CCL04, CCK08, CK20, CRR03, CMMR23]. **equation** [CH89, CFL+20, CBHM19, CRSF19, DD21, DKSS24, Dav98, DS07a, Deh01, Deh05, DA16, DA17, DA19, DS20, DS21d, DGE22, Dek17, DL22a, DL22b, DS97b, Din19, DSK12, DCY20, Duj09, DAMA23, DC18b, EZ03, ESE20, EVO04, EVO06, Est95, FWL18, FP02, FRRJT10, Fdi96, FWHM20, FT06, FXY22, FL09, FL15, FvdMS20, FI03,

FG13, Fre98, FFQ09, FCW20, FXCW21, FCW21, GZZ19, GZQS23, Geb24, GGN12, Gia12, GWLN22, GGT24, Guo96, GGO13, GD23b, HZ09, HAN23, HP14, HM15, HM17, HAML21, HMN20, HILK13, HLT07, HPH20, HDY21, HS95, HW04, HMY19, HJKW17, HJL18, HvdHV10, Hor99, Hor02, HS23, HK85, HCGW22, HLY04, HLZ06, HS19b, HAY20, HAC22, HO16, Ise97, Isk89, IKM23, JPP19, JR00, JRW06, JP19, JT18, Jéz99, JZS20, JZXJ21, JHGZ20, JWG20, JL21, JQSC22, JL23b]. **equation** [JL24, JR02, KMS19, KDAK13, KOS21, KBS11, KAS22, KO96, Kha21, Kim95, KCY19, KRBK16, Kra92, KK86, KZ21, KTYY24, KK23, KR15, LO22, LO23, LMPS19, Lau17a, LCK22, Len00, LHWF08, Li08, LHW17, LLHC17, LR18a, LZ18, LR18b, LWCH19, LZH19, LRC19, LSWM19, LSP20, LCW20, LR20a, LW21a, Li22, LWYG22, LXZS22, LHC23, Li23, LC24, LSG24, LD97, LO03, Liu97, LCLW17, LCL18, LL20b, LSY21, LP01, LMWZ07, LZY09, LYA$^+$19, LR20b, LJ20b, Lyn99, LLW20, Ma03, MZZ17, MDP10, MDRR11, MD22, MB10, MPTT17, Mai09, MN23, Maj20, MP11, MZXX24, MR20, Mar93, MVVA09a, Mar05, MG97, MM20a, MYSC17, MW24, Mit22, Moe98, MG22, MAD23, Mul99, MPMD21, Nak24, NP21, NYPW21, NTHC21, Ngu15, NSCC19, NSD23, NK24b, NTT22, NMB10, OMP98, OL18, OAHN22, PXHZ20, PWY21, PG21]. **equation** [PR89, Pau92, PR90, Phi91, Pło22, Pło23, PRS23, QH22, Qi24, QWX20, QNA23, QXG21, RZ18, RSR23, RV22, Ric94, Rob01, RT14, RGMO19, RREP$^+$20, Rou20b, RMK09, RS00, SS08a, SRK21, SRK22, SN22, SC19, Saz24, Sch23, SS94b, SRMDRL23, SLW17, SY18, SJ20, SL20, SW21, SD22a, SJ18, Shi20, SP22, SZQH23, Sim91, SG09, SMW21, SNW22, Sin23, Sin24, SPYS24, SS17, SDK15, SA18, SL15, SSA24, SG92, Su94, SWR11, SW17, SZW19, SND21, TWMP20, TN16, TMD92, Tar98, Tem23, Ter22, TOD11, TDMT21, Tia15, Usm97, Van92, Vas17, VRC21, jWyG08, WL10, WN12, WZW13, jWjJ17, Wan17a, WQ17, WH18, WH19a, WMLB19, WT20, Wan20, WZZ21, WDU21, Wan21, WWL21, WCS21, WCM21, WL22, WCL22, WLY24, WW24, WC14, WW14, WL24, WS04, WSC21, WG23b, XXYZ24, XW19, XC85, XZL19]. **equation** [XFL22, XL23, XZZ19, XLKY19, XCHW22, XXF22, XP23, YZQ$^+$22, YJZ18, YLY19, YLFT20, YLX21, YXN21, Yan21a, YJ21, YS22, YQCZ22, YZG23, YYZ23, Yan23, YZ22, YF24, YW24, YXZ18, Yua20, ZH21, ZRA23, ZL17, ZXYW22, ZZ18, ZWH$^+$17, ZJH18, ZLHW19, ZB19a, ZZ19a, ZJ19a, ZYLL20, ZLCH20, ZYQS21, ZG21, ZLSZ22, ZYJZ23, ZZPJ23, ZZX19b, ZZX20, ZYX20, ZLL22, ZLG24, ZML$^+$12, ZZ17, ZZL17, ZZ20, ZEW20, ZJLA22, ZZC$^+$18, ZJ19c, ZZLL21, ZXW17, ZR15, ZCGS21, dVA02, iV09]. **Equation-based** [PB10]. **Equations** [BGHR12, BGH$^+$15, CP09, Jac87, Pet87, Rei85, ST86, AKM$^+$21, AS21, AY21, AHJM19, ABH22, AZA22, AS13, ABZ21, ALMM96, ALMM98, AGZD22, AKM$^+$22, Abu04, AJ24a, AAL21, AQS94, AB88, AS20a, ASA20, AMT13, AK09, ADR17, All24, AAH21, ADM22, ACLM22, AM99, AM00, AMCM08, ASS21, AKBF19, AHR12, AX19, AHB20, AT93, AAM03, AB07, AL17, AB24, AW03, AL22, AL24, ABF09, AR18, AMP20, AF89, Arn93, ARS97, ALP$^+$96, AKS21, AAD14, AD18a, AD18b, AD19b, AM10b, AAEMY21, AFF$^+$15, AO91, AV00, AS20c, AKA19, Aze22, BSGU94, Bac16, Bac17b, BTBR20, Bac21a, BKM19, BL21, BUL23, BHJ05, BHJJ06, BKM95, BBPR05, BP06a, BF20, BL05, BKM13, BLW07, BES18, BBCR22, BKP09, BF17, BJ05, BGS06, BLY17, BRSD91, Beh97, BNKR20, BZ92, Bel97]. **equations** [BO04, By01, BB15, BHSW16, BHSW20, BG11b, BGGG13, BG24, BCGS24, BF92b,

BW95, BG02a, BZ17a, BCC16, Bic21, BG03, BT19, BLM17b, Bla01, BC01, BtTBV87, BDFV95, Bog16, Bok03, DLS22, BVV09, BTC23, BFH09, BBLT15, BJ11, BHJ13, BS20a, BCGI13, BTDV10, BVB10, BVRB14, BRBB18, BDE22, BR20, BFdS10, BMPR15, BJ20, BM18, Bre06, BLL24, BC23, BS93, BS08, BK12, Bru92, Bru97, BMM97b, BMM97a, Bru07, BL06, BJTZ20, BO21, Buc06, BH97, BS18, BS20b, BDM03, Bür12, Bür13, BCS06, BIMV19, BC89b, BB96, BD22, But92, BC95, BJ96, BJ98, Cah92, CFXZ06, CXNF14, CLT97, CC18, CGEV19, CdFN01, CC90, CGA96, CL01a, CP04, CHLX07, Cao10, CHZ14, CCP17, CDP17, CDP19, Car23, Car19, CKPS15, CD95, CSS87, CCM02, CHOR19, Cha98, CJ90]. **equations** [CT93, CH01, CL07, CXZ09, CZ12, CL14, CSXL14, CHH15, CLTA18, CC19, CLY19, CSLY19, CGW20, CYYH21, CW22, CDW23, CS09, CL01b, CRU15, CR19, Chi12, CC20b, Chi93, CL18, CBD16, CCZ22, ÇK13, ÇY22, CGS20, CCJ99, CY05, Cod08, CNS00, CP17, Con20, CFM$^+$24, CGTTN24, CST97, CN11, CN15, CCM17, CG14, CP03b, Cum95, DT15, DS21b, DD97, DS17, DG10, DS05, DR09b, DN21, DA18a, DSA20, DMH18, DK21, DJ10, DYX09, DM09b, DZ12b, Den15, DFLM19, DL20, DW21, DHWL22, Den93, Der92, DM11a, DCC14, DS97a, Die15, DLPV17, DSAB20, DKL24, Dob05, DB08, DBBH14, DLN04, DGRS09, DSSC13, DC09, DYZ20, DSS20, Dor01, DCL23, DMA22, DJL04, DS01, EAV16, Ehr08, ELCWS98, ESEKZ10, ER18, EV96, ELLE02, EGL09, EMMK01, EH97, Enr06]. **equations** [EEE22, EK06, EH09, EHV19, EHV24, FM21, FK23, FID18a, FLS94, FS15, FMS18, FMMK01, FD16, Fan11, FL93, FH20, FH22, FJ97, Fel06, FNT06, FCX06, FLH22, Fer09, FPR12, FJP17, FR18, FV87, FJ95, FJS99, Fre04, FSWZ19, FGGL22, Fuh01, Fun04, GS24, Gan09, Gan96, GS99a, GX11, GLLW14, GM16, GS19, GZZ20, GHHG22, Gar96, GDEdLD23, GG19, GMG19, Gol86, GJlL23, GLM09, GM17, GKA17, GNX19, GGS16, Gu19, Gu20, Gug05, GGRN17, GNAS$^+$20, GAOB20, Güm20, GN86, GS94, Guo00, yGqWsWC05, GH07, yGyZ07, yGpY09, Guo15, GW20, GZHQ23, Guo01, HGP11, HS21a, HP85, HN03, HM87, HHAA22, Han93, HZBM05, HO10, HZ21, HP18, HHT97, HJ05, HLR18, HHC08, HL08, HS20, HC22, HTSZ23, HS86, HEG16, HZ20, HZD21, HMD21, HQAZ24, HJ17, HS19a, HS17, Heu00, Hey19]. **equations** [Hey20a, HAA21, HAR21, Hey10, HK22, HL03, HLMKZ06, HXW15, HW15, Hop23, HA16, HDS20, HCY18, HL19, HJYL19, HL21, Hou23, HL24, HX11, Hu99, HLJ20, HJ21, HR96, Hua98, HLL09, HZ12, HFL12, Hua17, HZAT21, HS21b, HY24b, HV95, Hus20, HN22, HL89, IM98, IKR$^+$22, Iga85, ID19, Ise02, ITZ17, IB24, IRC12, IJ17a, JMDN$^+$22, JL91, Jac93, JVZ95, JVZ96, JVZ97, JZK06, JAH21, JK21, JRS20, JMS99, JKW12, Jes85, JWZ21, JW01, JEG10, JZZH22, JY23, JCN94, Joh01, JMPY10, JT06a, Jun06, JOL23, JT02, Kal96, KTD20, KL21, KV07, Kan89, KX91, KXK92, KNN03, KO08, KPY15, KS00, KT05, KME20, KV95, KK11, Kau93, Kau97, KK20a, KM16, Kel85, KCL00, KC03, KC19b, KOR18, KSHB21, KO92, KHB22, KDH20, KF97, KS02, KLY05]. **equations** [KS08, KHYY21, KS07, KS22, KOW05, KNT13, KSSS16, KKLD21, KCW16, Koz94, KCB02, KP15, KW20, KR18, KN93, KDD23, KLSW10, KKR15, Kür23, KDKW20, LH11, LHHR94, LZQ22, Lan95, Lan97, LP05, LP24, Lau17b, Lay09, LT12, LS16, LLKJ21, LHS00, LPZ00, LH02, Li05, LHH08, LY09, Li11, LA11, LZ14, LZ17, LYF17, LW19a, LCS19, LWY20, LW20a, LCHW20, LZJ21, LLY21, LW21b, LA21, LZ22, LS23, LYZJ23, LH23, LWW23, LL24, LWLW24, LSL11, Lia22, LS12, LZW17, LZW19, Lie01, LPV24,

LKJ07, LMSW17, LS13, LY16, LQS21, lLNW21, LS21, LW92a, LW92b, LY03, LW07, Liu09, LZL14, LYK17, LLD18, LLZ19, LTT19, LHX20, LW20b, LMTW20, LZCF21, LL21, LN21, LLZ$^+$22, LM22a, LYZW22, LSWW22, LT23, LMW23, LYLL23, LCZ23, LSW23, LS24a, LNZ12, LM22b, LR00, LCM22, LCM24, LXCM21, LO95, LO96, LS98, LJ20a, LRE04, MDD14, MQO17].
equations
[MM18, MK20, MAHZ21, MZN21, Ma24, MD19a, MD20b, MAH18, MHA19, Maj14, MD19b, MO17, MS19, MK21, ML16, MS08a, MKN23, Man96, Man97, MCS16, MWC21, Mar99a, MVVA09b, Mär95, MZK05, Med96, MT06, MN24, MV17, MG18, Mie89, MOU14, MM02c, MSS21, MD10, Mit24b, MMM19, MFAD23, MG22, MH16b, Mok17, MKJ23, MDASAO21, MP94, MJS23, MN08, MRFF17, MWYZ18, MC21, Muo23, NX22, NK11, Nag22, Naj20, NMKE13, NDM20, NLS18, NLS20, NT92, Ngu15, NT16, NWL$^+$22, Nke07, Nor97, NLZB23, OT22, ORT24, Odi19, OB24, Oji88, OFY$^+$23, Olv92, Ort20, OT02, OS12, OCVW22, Pan21, PK23, PM05, Pas91, PP24, PM91, PT11, PTV16, PTV20, PD01, PGYF20, PA18, PVM22, Pet00, PP92, PH17, Pis22, PAJ12, Pot97, Pow94, PS19, PM14].
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equations [SS16, SS13a, SvdHN86, SCvdH92, SW13, SD24b, SA19, Spi97, SMA01, STS00, SSKS21, SCT05, SW12, Sti03, Str98a, SG05, SBG09, SS12, SWW11, SFZ21, SW24, SSPZ20, SLZ10, SG17, SSS21, SAMSB20b, Tad86, Tah96, TZ21, Tan93, gTpM07, TX18, TH18, Tan23, Tau09, TJK18, Tem15, TLG20, Tho85, TLV92, TB01, TYJ11, TZA13, Ton04, TH23, TH09, TDPU17, TLSS09, TV91, Tro93, Tro96, Tsy96, TY98, UWY22, UNGD08, Vab22, VG04, VA05, VB07, VBD93, VV09, Van00, VCN20, VNC21, VK17, VCC12, Ver96b, Vic87b, VL19, WTB24, WGKS12, Wan01, WY02, WZL08, WL09b, WG10, WC11, WWX13, WZL13, WCW14, WGW15, WZ16, WMF17, WL18, WSY18, WW19, WH19b, WR20, WDH20, WTY21, WS21, WLM21, WHW21, WZ22, jWC22, WLG22, WWM22, WCM23, WXY24, WC24a, WAV12, WaZ24].
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equations [dlHV13, ebKMZ24, in 92, in 95, in 96, iW07, iW09, iM13, tV87, vSW90, van96, vS97, vvdV97, vdHSW98, vdVS08, CDP12, RMM12]. **equatorial** [Fan19]. **equi** [BKR13]. **equi-directional** [BKR13]. **equidistant** [AC23, Bec18, DS97b, GÖ20, Kał22]. **equidistributed** [BM00, DRVA20]. **equidistribution** [BM01]. **equilibrated** [DGM22, Hop23, Yi12]. **equilibria** [Eir99, GPHA06, Sch02]. **equilibrium** [BAA22, CZ19, DGM18, DMM24b, DJL04, GKKM21, ITZ17, TQY24]. **equispaced** [BS09]. **equivalence** [BC89a, LLD18]. **equivalent** [PSP04b, RMCG04]. **ERES** [CKM10]. **ERKN** [LW20b, SWL20, WWX13]. **Ernst** [CHM09]. **Errata** [Tsy96]. **Erratum** [Kni95, ZCSH11a]. **Error** [ADK94, AL17, An20, AD01a, AD01b, BS06, BJ02, Bel91, BC04b, BCJP18, CLY19, CC08, CL18, CBHM19, Coo89, DA19, DK21, DM11a, DHM09, GGM95, Hig93a, HB20, Kre07, LL98, Li16, LYF17, LZ18, LH20, LS23, LL24, LM21, LW92a, LT01, LZIZ23, Mit22, MD23b, NS21a, OL18, OS12, PD01, PS19, Rei85, RL06, Sch16b, SW11, SS94b, SZ12, SG07, Spi96, SWCH15, Tem23, Ton04, jWqW09, WWX13, Wan17b, WZZ21, XZW19, XZZ19, YXZ18, ZLX22, Zhe07, Zup04, AQJ18, AW14, AC15, AOW94, AGP97, AD23, AKT97, AJ24b, AGJM04, AR18, ASV19, AB12b, AP08, AM16a, Ars20, AAD14, AFF+15, BLS94, Bac14, Bac16, Bac17a, BTBR19, Bac21b, Ban97, BGO13, BKM13, BS14b, BCS17, BM13, BBG14, BBW19, BRVC09, BC04a, BLM17a, BCT19, BC01, Bor97, BHR05, BGP11, Boy15]. **error** [BM06b, Bür12, Bur91, BP06b, CHZ21, CY23, CCOVF22, CP04, CL06, CDGA17, Cha17, CMP03, CCS17a, CZHX19, CCST22, CDW23, CKK10, CL20, CH89, CY05, CF05, DDHS97, DDP12, DMP08, DA18b, DSA20, Dek17, DM09b, Dol14, DYZ20, Dra97, DLZ21, Dun18, EFLFP09, Fac03, FHM+02, FV85, Fdi96, Fel06, FXY22, FH10, FM11, GHH09, GMS12, Goo90, GHT05, GGRN17, GZHQ23, HZ96, Han93, HOS11, HLMKZ06, HJKW17, HJL18, Hop23, HLY04, HLZ06, HH18, HAC22, HMW05, Ito17, JR02, Joh01, JM94, KDT17, KW21, KV20, Kim07, Kim12, Kim21, KS89, KMS10, KK22a, Kwe00, Kwe03, LCHR03, LSK12, LZ14, LLVX20, LW21a, LA21, LYZJ23, LC24, LX09, LY03, Liu09, LS20, LO96, Lyo12, MWC21, MN24, MSP10, Moo04, Neu88, NV23, NY13, OZ96, PH17, Roz05, SZ09, SS19, Sha21, Sim94b]. **error** [The17, TLSS09, TM04, TM05, VNC21, Wal19, WH13, WG19, WCM21, WCJ23, WC24b, WKP12, Wei18, XL11, XYHM20, Xu21, Yam18, YSBL14, Yan21a, YJ21, YS22, YJ23, Yan23, Yi12, ZCZ15, ZZHS18, ZFW20, ZQZ23, ZL23, ZYS17, ZEW20, Zho17, ZXW17, ZL24, Zou10, Zou11, Zup03, de 92a]. **error-based** [Moo04]. **error-minimizing** [Bor97]. **errors** [AC96, ACM91, BMGM12, BSQ96, Bor10, HV95, KRBK16, MKH16, RB12, Sid14]. **ESDIRK** [Ran15]. **ESIRK** [BC98]. **ESPRIT** [PT15]. **essential** [GS15b, LZ20, jWqW09, hYqW12]. **essentially** [DSZ15b, DSZ15a, HOEC86]. **estimate** [AA04, AC15, Bel91, BGP11, CY23, CP04, Cha17, CCST22, CL20, DA18b, FP02, HJKW17, HJL18, Ito17, Kwe03, LW21a, LS23, LM21, WZZ21, WCM21, WC24b, Yan21a, Yan23, ZEW20, Zho17]. **Estimates** [BG02a, Dun18, AGM09, AW14, ADK94, AD23, AJ24b, AD01b, AP08, Ars20, ABCC18, AV91, Bac14, Bac16, Bac17a, BTBR19, BS06, Ban97, BS14b, BJ02, BCS17, BC01, BC04b, BG06, BM06b, CL06, CMP03, CLY19, CZHX19, CDW23, CC08, CBHM19, DDP12, Dek17, DK21, DM09b, DM11a, Dol14, DYZ20, DHM09, FHM+02, FM11, GGM95, GGO16, GGRN17, HLY04, HLZ06, HMW05, Joh01, JM94, KPY15, Kli15, Kre07,

KK22a, KDD23, Kwe00, LCHR03, LL98, LMWZ10, LZ14, Li16, LYF17, LZ18, LH20, LYZJ23, LL24, LY03, LZIZ23, LO95, LO96, MD23b, NS21a, NY13, PD01, PS19, RL06, SW11, Sha21, SG07, Spi93, SWCH15, TM04, TM05, VNC21, WH13, WCJ23, XL11, Xu21, YSBL14, YJ21, YS22, YJ23, ZMC13, ZCZ15, ZZHS18, ZFW20, ZQZ23, ZYS17, ZXW17, Zou10, Zou11, Zup03, Zup04]. **estimating** [KK17, YK07]. **Estimation** [BCMV03, Fuj99, KV20, Rei85, RVdCVR02, AOW94, An16, ASZ15, AMV03, AB12b, BLS94, BGO13, BD07, BBW19, BHR05, BP92, BP06b, CDGA17, CCS17a, DDHS97, DSA20, DT89, EFLFP09, FZM20, GHT05, HLMKZ06, KDT17, KPRU20, KB21, Kim12, KK20b, LSK12, Moo04, OZ96, Tia15, Wei18, YV17]. **estimations** [AM16a, Fdi96, MWC21]. **Estimator** [AFLP12, AKT97, AR18, Bac21b, BKS07, Bür12, HOS11, Hop23, Kim21, LS12, SZ09, Wal19, XYHM20]. **estimators** [AFF+15, BBG14, BCT19, CHZ21, DLZ21, Kim07, SS00, Yi12]. **ETRs** [BT97c]. **Euclidean** [BS00a, CP07]. **Euler** [ALMM01, AGK24, BRSD91, Bor10, BW15, BCGI13, Boy91b, CGH23, CHPV09, CGW20, CMP23, DLN04, DGRS09, Fel06, Fre04, FGGL22, GDEdLD23, GLMY17, GLM18, HN03, HS86, IMMS20, JKW12, Jes85, KTK20, KKW00, Kor95, LA21, LW07, LLD18, LMTW20, LMW23, LYLL23, LSW23, MT20, PP92, PM14, PWX24, RZ00, RA03, San02, SMA01, TWL23, Tan23, WC11, WHW21, WMC09, YZC21, Zha20a, ZL23, vS97]. **Euler-accelerated** [Boy91b]. **Euler-flow** [Kor95]. **Euler-Riemann** [YZC21]. **Eulerian** [Aso21, KCC04, RVD00, Sea09]. **European** [CPOGO17, itHT18, Rou20b]. **evaluate** [CPD+05, LL15]. **Evaluating** [EC07, ACM09, BVB09, LG21]. **Evaluation** [BO87, BP02, BK06, BZ17b, DFC09, EW97, JBLC11, KW21, LS16, NRZR12, Pel15, ST14b, SGN08]. **evaluations** [Dah02]. **Even** [AS05, BCC16, Bic21, BtTBV87, tV87]. **event** [Aca12, ABI22, LM22b]. **evolution** [AHO16, ADM22, BG02a, BLL24, CLT97, CFKS07, CNS00, DA17, EH91, Hag15, HO10, KNT13, LT12, LT23, LMWZ07, MQO17, MPHFP23, Mik97, MŠ99b, NA21, OS12, PPC00, QXQ22, QM20, RT14, SG92, Tah96, XL11, XGQ20]. **evolutionary** [BSZ22, BJ01, Chi21, CJLS98, CG14, Gar96, JY23, LH20, lLNW21, PM91, YQCZ22, Zeg97]. **evolving** [FM07]. **Ewald** [HNP17]. **Exact** [CH15, FJ09, Ise97, AB10a, AW14, Bac21b, FV87, GHKM09, HH98, Hag15, Kim21, LA12, LWYG22, SL17, XYHM20]. **exactness** [Mil17, Yi12]. **examination** [Sch98]. **example** [QM03, Ran15, Ran16, VVR08]. **Examples** [CAD03, HS98, Waa88]. **exchange** [BDOG19]. **exchanger** [Wag98]. **excitation** [BKP14, MCBV20]. **exclusive** [Kür23]. **execution** [For11]. **exercise** [ZGO12, ZO14]. **exhibiting** [Bec18]. **exhibits** [SG92]. **Existence** [Fuh01, HS95, KP15, Ma03, MD20a, Zak19, DD21, FL01b, Gu01, HHT97, LYA+19, SNOK21, Spi13]. **existing** [CZY08]. **exotic** [DLM16]. **expanded** [Ars20, CWHF19, HCY18, LCHW20]. **Expanding** [HW93]. **expansion** [Boy07, CKK10, Fel06, GGS16, Han93, Hig93b, HH10b, LX09, MK21, NS13, Wal90, WW24, WE99, Zan01]. **expansions** [AR93, Bor10, CJM88, DKL24, DC09, Har00, KM17, KP92, LC99, Mac92, Mie89, ZO14]. **Experience** [Ney95, SD93, BR97]. **experiences** [BSFDM02, HvdHV10]. **Experiment** [TYKK01a]. **Experiment-based** [TYKK01a]. **experimental** [Aya09, FHM+02, KKN+13, KKN+17, SA08]. **Experiments** [BH85, HG98, Sch99, Ste97, Bas21, BG11c, CFKS07, JMP06, PWS98, SY03, SH02, SG92, TOD11, VP91]. **Explicit** [ABH22, AM99, Ant23, CMRdlT24, Cha98,

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explicit-extended [KSMMM16].
explicit-implicit [DZMB21, WdG92].
exploding [NMKE13]. **Exploiting** [GV04, MNSS22]. **exploration** [RKR20].
Exploring [Her91]. **Exponential** [CGP15, Duj09, HHYD20, HO05, LZQ22, QR03, RK08, TGB08, WEA12, WPT19, XCHW22, ZMY21, ABK12, AB14, ACM09, AEF+14, BP12b, Bor10, BDE22, CO09, CL07, CGW20, CS17, DL22b, DLQZ23, FXY22, FHX22, Har00, Has13, KHYY21, KNT13, LMO24, LY10, LZZ22, Li22, LW22, LC24, LZL14, LT19, Lua17, MS99a, NS20, NS21b, SW09b, TN16, WT20, WPS18, WL21, ZZPJ23, ZZO16, dC18a].
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Exponentially-convergent [BO11].
Exponentially-fitted [VV09, VV07].
exponents [BH97, DV95b, FZM20].
expressed [HS24]. **expression** [OZHP23, Pre90]. **expressions** [Maj20].
Extended [Hey10, KCI03, SV00, Sim10, TM21, WX06, ZLJ20, AMH24, BW23b, Bar05, BL86, BT97c, CL85, CZ12, CD20b, FW22, HJR22, KD13, KSMMM16, KK17, KK22b, LZ18, LW19b, LXZS22, Lte24, QNA23, Sim93, WX22, YT03, ZH09, van86a, OR18, CLR11].
extended-cubature [KK22b]. **Extending** [AMV17]. **Extension** [MP20, AGM09, AFK92, EL97, Haa97, HZ02, Lot19, MST09, Roo20, TM05, Ye04, Zha21b].
Extensions [BRZ10, AFS02, BS05, CW98, VZ93].
exterior [BM13, EB12, FL15, Gon06, Har98, HK85, Lau17a, MM02b, RS00, YWW23, ZLHW19, Zhe07]. **external** [Tom24]. **extra** [WL24]. **extra-wide** [WL24]. **extracted** [Dah02]. **Extragradient** [TQY24, BAA22, DP21]. **extrapolated** [Cao98a, DK20, DL22a, DLM20, LJ20a, LR20b, LJ20b, SW03, ZYLL20, ZZLL21].
Extrapolation [BZ94a, Bre96, CM00, WC02, Bre85, BZ91, DSS15, Fik23, FS88a, GG95, GC15, HN03, JM16, LD97, LX09, LL02, NS03, Nor97, Nor99, Now96, Rha97, SMEN04, Sid90, VVR08, Wan07a, WH19a, Wen10a, YBL13, YXZL24, ZHL22].
extrapolations [Cha96, CHH15, HLL09].
Extremal [DIR13]. **extremum** [WY22].
extrinsic [ebKMZ24]. **Eyring** [PT09].

FAATNA20 [DLN+24]. **Fabrizio** [LIPT18, MDASAO21, SC20]. **FAC** [MMT90]. **face** [CW22, QPT23, ZY19].
face-based [CW22]. **face-centered-cubic** [ZY19]. **facilities** [TER03]. **facing** [CHK99].
factor [BDOG19, GZQS23, JHGZ20, LCM22, LCM24, Mar09, RP17, SCT05, Tan23, YJJ+24, ZYQS21, ZYQS23].
factored [WZ02]. **factorial** [Bor10, Wen10b]. **factorially** [BW15].
Factorizable [Sid02]. **Factorization** [vdHS01, BD85, BSV21, BCSH16, CG05, ELvdHS98, GV02, GNX19, Guo96, LMV17, LDP+14, Not99, ST09b, SHG86, SYW18, GPHA16]. **factorizations** [BLM17b, Doi91, For02, Gu01, Mag91, Not92]. **factorized** [KK20b]. **factors** [CGEV19, KK22b]. **fADE**

[GKKM21]. **Failure** [Gar92, KN08]. **failure-prone** [KN08]. **fair** [RN04]. **falsi** [CL07]. **Families** [DR09b, BCF+13, Bre91, BDRZ04, CCdlH20, CGPT19, FR18, Hin97, ZZJ21, vdES04]. **Family** [CR19, PSR04, AK09, AÁ21, ADM10, BFK11, CN16, Fra16, GPHAM12, KSSS16, Kom07, MPPR22, NWL+22, OGV92a, Pan07, Ver93, YG95, YG99, Zha09]. **Far** [EH88, MRS03, Chu03, QL16]. **FAS** [Spi00]. **Fast** [Cao03, DNW18, EH05, HZ21, HV22, HR14, JHGZ20, JL23a, LWYG22, LYC24, MP98, Pea16, PT15, Ram12, RN04, STS00, SL17, SND19, XFG19, ZJH+23, ZW19a, ZLL22, AKS21, BP14, BDN+97, Cai09, CGJ16, CLTA18, DM12, Eng11, GZW22, GL93, IT07, JWZ21, LS16, LLKJ21, LCJQ12, LCLW17, LL20b, LNZ12, LLW20, Mat05, MMT90, MR94, MRS10, RL21, She00, SKW17, TGB08, VK17, XL09a, XL23, XWX21, ZXYW22, ZY23, Mar03, ST14b]. **fast-wave-slow-wave** [SKW17]. **faster** [AJW23]. **fastest** [Dar00]. **FCC** [ZY19]. **FD** [OT22]. **FE** [HHR12]. **FE-analyses** [HHR12]. **FEA** [SA05]. **feasibility** [AHAS21, vR04]. **feasible** [dOF20]. **Feb** [AS21]. **February** [Ano22w, Ano23v, Ano24i]. **feedback** [HJR22, MDHK06, SA05]. **Feedforward** [MDHK06]. **Fejèr** [Nov03]. **Feller** [Zhe19]. **fem** [MOS12, AGLRS23, AMK18, AN22, BS14b, BGG04, BBG14, CCOVF22, CD23, CR23a, DS07c, DG22, Fra16, FS24, GT15, GMZ11, Gas92, GMM09, GKMS09, GÖS20, GMS12, Gon06, GWLN22, HY01, KMS10, KTYY24, Lan97, LSG24, LX24, MS00, MS08b, NS12, RDH+12, RV09, Sel14, SL22, Usm97, WCXL09, Wan20, YJ23, Yos00, ZXW17]. **FEM-BEM** [GÖS20]. **FEMs** [Bec18, EKT19, LY01, LH02, LSWM19, YJ21]. **Fer** [Zan01]. **Fermi** [ZB19a]. **ferromagnetic** [Fra04b, SC03]. **FETI** [DHS05, Ste05a]. **few** [ARY23, DL21a, DV95b]. **Feynman** [SND21]. **FGMRES** [MRH14]. **Fibonacci** [BL86, GS24, KSSS16]. **fibres** [NS13]. **Fick** [KHM+19]. **Fickian** [BFdS10]. **Fictitious** [BH12b, AMR14, ABG+15, NCYC22, SW20b, WJW19, Zho17, Zho18]. **fidelity** [CKS05, Rob01, SYG+05]. **Field** [DRC85, AGLRS23, AAD+08, BC02, BF17, BLY17, BP85, CL02a, CMP20, CjW18, CPY20, CKS05, Dav98, EH88, ESS15, GD09, JK17, LM00, LMY18, LW22, LQXK23, LL20b, LC21, Maj20, MRS03, MD20c, PHY19, PA18, QL16, Ram94, Ric08, RS22, TOCV02, WJW19, YLL21, YXX24, YK04b, ZY19, ZCY20, ZLSZ22]. **fields** [DFC09, FGGL22, JR18, Lei99, LW07, MAG13, WSC09]. **Fifth** [QR24, WDL23, AAEMY21, Chr01, CN16, Tan23, Tan24]. **fifth-kind** [AAEMY21]. **Fifth-order** [QR24, WDL23, Tan23, Tan24]. **filling** [FGPR12, LS10]. **film** [AJW23, SL21]. **films** [BCMV03, SSW04]. **Filon** [DS21a, Has09, Has13, Maj17a]. **Filon-type** [Has09, Has13]. **Filter** [Wal00a, GT18, HC01, Hua20, KK22b, QH19, SXP09, TZ00, Wal00b, ZP12]. **filter-type** [Hua20]. **filtered** [OT21, ORT24]. **filtering** [Bar05, BGS02, KK17, KK22b, LOS03, MMRV20, RGÖS18, SM20]. **filters** [KK20b, YR09]. **filtration** [CGN03, CD13]. **final** [HP14, Muo23, YL13]. **finance** [Lai09, Le 12, RO16, SS08a]. **financial** [CKM15, MHL18, RKR20]. **find** [CGTTN24, NSD23]. **Finding** [CZ19, AKM+22, BASC17, Car94, CGG02, CZY08, CH21, HdSRI17, Iga85, Meh08, OFY+23]. **Fine** [RTV02, Gus87]. **Finite** [AMH24, ADFR18, BW86, BGG+20, BKP14, BTDV10, ÇD17, CLR11, CF86, ÇK13, Cop03, DL06, EGH01, FJS99, GAML04, GS94, HH22, JV09, KZ13, KR12, LMWZ07, MT06, NB01, NFAE03, Pot85, Quy19,

RBBC85, Rei85, RV15, RA09, Sid23, SD09, Sol15, WYYL19, YGY15, ZW87, AD20c, ABZ21, AB17, AMRR18, AP20, AL09, AMT13, AS97, AK00, ADK94, ATW20a, ATW20b, AA87, ADM22, AAI+93, AKT97, AW03, AJ24b, AKL08, ABR05, ACP23, AM16a, ASCM02, ASC03, APJ09, APJ10, Aso21, BSGU94, BC12, BHJ05, BHJJ06, BPS19, BY00, BF01, BK17, BLY17, BM00, BM01, Beh97, BRTB19, BK09, BB15, BLJ21, BC08a, BCGS24, BMS89, BM04a, BM04b, BM04c, BW95, Ber04, Ber05, BC08b, BG03, BDF94, BC01, Bof06, BG06, BG14, Boh03]. **finite** [BP97, Bot97, Boy15, Bra00, BM18, BJM01, BJTZ20, BD11, Bür12, Bür13, BL08, BH12b, BD22, CHP19, CFLW22, CY23, CCDJ20, CLT97, CHLA21, CW21, CCG13, CGA93, CDGA17, Car09a, CHSS01, Cau08, CS94, CP05b, CCZZ18, CMP03, CS03, CC04b, CZ04, CCLT10, CL10, CJX11, CHX13, CXZ15, CXZ17, CC19, CH19, CWHF19, CYWH22, CML05, CC08, CNT07, Cho13, CL18, CK20, CCZ22, CS18, CDJT06, Cod08, dCCSR03, Con99, CBHM19, CMCGTR02, Coy12, DPPR16, DKSS24, DS21c, DA18a, Dek17, DK21, DJ10, DDS89, DL20, DW21, DL22a, DM11a, DLP06, DT10, DN08, DL16, DS15, DHM09, DCL23, yDqGnJT09, DCJ20, DYF23, DII15, DR93, EH07a, ER07, EN09, EJS11, Eva94, FLH22, FL04, FG98, FMGN94, FLÖ+97, FKA+13, FM11, Fre98, FM07, FMU15, FWW+21, FSWZ19, FGGL22, FL01b, GM10, GX11]. **finite** [GLLW14, GP23, GLV03, GIS23, GHH20, GLPW09, GD21, GGO12, GGO16, GP01, Gol00, GBBC+23, GHT05, GCZZ23, GGG16, GGRN17, GGRBRG22, Gul15, GJ17, GZHQ23, HHR12, HHAA22, HZ09, HLZ14, Har10, HKZ08, HLMP09, HHL23, HSS04, HHC08, HL08, HS20, HD22, HTSZ23, HO24a, HS22, HJZ23, HZD21, HMdV03, HL02a, HL23, HL03, HvdHV10, HW97, HCY18, HJYL19, HL21, HL24, HLJ20, HZ02, HZ12, Hua17, HJX+19, HAC22, HMW05, HJ03, Hus20, HSY18, Ioa89, ID19, JPP19, JJ94, JK14, JCL18, JZS20, JWZ21, JEG10, Joh01, Jor11, Kal96, Kam16, KDAK13, KPRU20, KT05, Kat89, KD13, Kie17, KF97, Kim12, Kim21, Kop89, KJ99, KFOF02, KOS+12, KDK17, KK22a, KN93, KDD23, KX03, Kwe01, Kwe03, LRS23, LHC09, Lam13, LPT94, LM00, LCHR03, LCK22, Lee23, LWD+09, Li98, Li00a]. **finite** [Li01a, LY08, LHH08, LH09, LMWZ10, LA11, Li12, LHW17, LR18a, LR18b, LLHC18, LW19a, LL20a, LSP20, LW20a, LZ20, LR20a, LWW20, LCHW20, LLY21, LW21a, LXZS22, LL24, LWaZ24, LZW19, LX09, Lin10, LLS+96, Liu09, LCLW17, LCL18, LC20, LZIZ23, LS24b, LD22, LT19, LAH09, Lte24, LL02, LW95, LP01, Luc95, LZY09, LJ20a, LR20b, LJ20b, Lyn99, LLW20, MDP10, MD00, MK14, MA09, MP11, MS08a, ML91, MZS10, Mar99b, MM14, MR94, MM02b, MVG14, Mic03, MOU14, MF23, MD96, MdD04, Mou03, MWYZ18, MC21, MT20, Mul99, MM20b, NAF24, Nag22, Nak05, NY13, Nke07, NS16, OH20, OEAS21, PZMX16, Pel20, PGYF20, PSWZ21, Pic05, Pir09, PS21, PS19, Qi24, QMLC15, Que21, RZS21, Ran20, RSK24, RS20, Ric91, Ric94, RVD00, Ris05, RGMO19, RG21, RBT15, RU07, SSZ16, SS00, SGS00, SD11, SD13b]. **finite** [SS19, SH10, SQ17, SWX00, SYY20, SG16, SJ20, SL20, SW20a, Sin23, SG07, SCLL21, SDK15, SBS24, SL15, SMA01, SSA24, SSKS21, Str98b, SH91, SW24, SLZ10, SW20b, SN04, SGN06, SGN08, TLP18a, TLP18b, TWMP20, TN16, Tan93, TYKK01b, TC22, TDW23, TM21, Tol04, Top21, TH09, TK15, Tro96, TM04, TM05, TMM15, UWY22, VNC21, Ven15, VRC21, VMS07, WL09b, WZL13, Wan17b, WCSQ18, WL18, WZ19, WR20, WDU21, WaZW21, WY22, WL22, WLG22, WDL23, WLY24, Won08, WSC21, XZW19, XWZ21, XL23, XL09b, XZH19, XGQ20, XHYM22, XXF22, XP23, YLL09, YS09, YY13, YBL13,

YSBL14, YW19, YQCZ22, YZG23, YYZ23, YZ21, Yi12, YCWH23, YZ19, YHT23, ZBD24, Zeg97, ZL17, ZLY23, Zha09, ZCZ15, ZSG+20, ZLW20b, ZL21, ZL22, ZZPJ23, ZSS23, ZZ24, ZYZJ24, ZW19a, ZLL22, Zhe07, ZZ17, ZZL17, ZZ20, ZLWF21]. **finite** [ZS21a, Zho17, ZZC+18, ZSY20, ZZLL21, Zou10, dSFDG20, iV09, van95, BS14a, BGP11]. **finite-conductivity** [CML05]. **finite-difference** [AAI+93, CCG13, CGA93, CMCGTR02, DS15, HZ09, KT05, MDP10, Mic03, MdD04, RU07, SDK15, SMA01, WLG22]. **finite-dimensional** [KF97]. **finite-element** [CWHF19, GGRN17, Mul99, Nak05]. **finite-length** [SH91]. **finite-part** [Ioa89]. **finite-time** [KPRU20]. **finite-type** [Mar99b]. **finite-volume** [BP97, DT10, GBBC+23, HJZ23, Kal96, RVD00, Tol04]. **fins** [HHL23]. **First** [HS17, HvdHV10, AACP20, ACMR06, AL17, AAEMY21, BKM19, BC01, Boy07, BMV19, Bru97, BMM97a, CHH15, CS09, DN21, HP85, HDS20, HLL09, IT16, IKMM23, JJ94, KM19, KLY05, KW10, Moo04, NDM20, PP24, PCR17, gTpM07, Wu09, Xu16, ZL18b, Zha19b]. **first-kind** [ZL18b]. **first-order** [AL17, AAEMY21, HP85, JJ94, KLY05, PCR17, gTpM07]. **Fisher** [AMH24, BFdO07, CMMR23, LZ18, LXZS22, MSZ+24, QNA23, jWjJ17]. **fit** [Mon09]. **Fitted** [HO24a, TMS87, AW03, AHS03, CDP17, CSLY19, FW08, GS94, HS09a, Hoa15, Li19, Nag22, NS16, Pat00, RSR23, VV05, VV07, VV09, YW08]. **fitting** [AN15, KDAK13, PS02, PS03, ZZPJ23]. **FitzHugh** [BSTT22, ZLW20a]. **five** [IMM04, MI03]. **five-axis** [IMM04, MI03]. **fixed** [Gil91, GKS20, HGM+21, HS95, HT20, RV05b, SL08, Tow16, VA21, Wai98, WYP12, XY24, YP18a, YP18b]. **fixed-accuracy** [XY24]. **fixed-point** [WYP12, YP18a, YP18b]. **flame** [RAS99, RSL89, Son91]. **flat** [Nak05]. **flexible** [HP15, LDIW16]. **Floater** [CHS17]. **floating** [LMO24, Ske99]. **floating-point** [Ske99]. **flocculated** [BBCS05]. **flood** [CCM17]. **Flory** [GJLL20]. **Flow** [BW86, PP00, PGM86, AH09, AA22, ASZ15, AKT97, BDMG12, BFS17, BJ00, BIMV19, BL08, Cai15, CML05, CRTU15, DZ12a, DM09a, DYF23, Duf90, ER07, EJS11, Ewi91, EWW99, FMW18, FL01a, FLL11, GM08, GMZ08, GM10, Gar92, GHK16, GG22, Gat91, GOGF03, GJR03, HJR22, HJ09, HS22, HCW16, HST14, IK24, IMC22, IR22, KBK21, KHM+19, KHA12, KSMMM16, KH91, Kor95, LTC03, LC02, LMS08, MD00, MM07, Min04, Mou03, NS21a, Obe15, PNA21, PT09, PK91, PCRR17, RSK24, RR00, RVD00, RZ15, Rou20a, RGK21, RBC02, Sch16a, SQ17, SG16, SZE+92, Shy86, Sid02, SED21, SY08, SH91, SW05, TYKK01a, TYKK01b, TOCV02, TC03, VO00a, Zan91, ZOZ09, ZYS17, ZQLK11, ZS18, dB03, vdHVW01]. **Flows** [CF86, Mac86, hYK86, AI19, AJW23, ASS21, An20, BL91, BC04b, BBL02, BS08, CIZ96, CCD+20, CHPV09, CCLT10, CHK99, DK20, Din93, DMQ02, DdCVR03, DL21b, DII15, EH07a, EAS12, EL01, Fai00, FS23a, FPRA09, GP00, GKKM21, Gla93, Gla94, HS24, HH10b, JN07, KMR09, Kar89, Kie17, KW98, Kop89, KDK17, KK22a, Kwe00, LDIW16, LT00, LS24b, LR87, LP97, MLJ19, Mur15, NC16, PBC08, QW04, RCGM98, TLP18a, TLP18b, TER03, Tan24, TKN11, Tur86, WaZW23, WPT19, XLK07, YZ24, ZB19b]. **Flowsheet** [Bie87]. **Fluid** [CFXZ06, AK21, AA22, Aso21, CFX08, CL09, DL21a, DLQZ23, DYF23, DJL04, Elm02, Ewi91, FJL21, FMP04, FLL11, GMM09, Gat91, GÖS20, GS18, GJR03, HS22, HT00, HCW16, JRT90, KHM+19, LTC03, LGS21, LX21, LK07, LS24b, MP05, Mat08, MR01, Mur19, NC16, Nür09, OGS20, PT09, Pul86, RDH+12, Rou20a, RGK21, Sid02, SD93, SED21, SM89, Tow16, Tur86,

Tur93, VS91, VT91, WJW19, Wu09, ZOZ09, ZYS17, dPT96, vBvdZdB08]. **fluid-dynamics** [dPT96]. **fluid-fluid** [AK21, LGS21, LX21]. **fluid-particle** [Tow16]. **fluid-structure** [DL21a, GÖS20, GS18, MR01, RDH+12, WJW19]. **fluid-surfactant** [DLQZ23]. **fluidized** [VCN20, VNC21]. **fluids** [Ari04, Bir87, CMP06, CPY20, FPRA09, HS22, Kie17, LWaZ24, LR19, MZN21, QR03, ZGR23]. **Flux** [FM07, Kim12, AKG14, GD21, Gla94, HSS07, JK14, KL21, Kni94, Kni95, Nor99, RGÖS18, RS20, RA03, Tor06, ZEW20]. **Flux-based** [FM07, GD21]. **flux-extrapolation** [Nor99]. **flux-splitting** [RA03]. **fluxes** [DGM22, FS23a]. **fly** [BMR+17a]. **Fok** [NT16]. **Fokas** [AC16, MPSS16]. **Fokker** [CjW18, Van92, jWyG08, jWC22]. **following** [SZ99]. **FOM** [JMS99, WPS18]. **force** [Kie15]. **force-gradient** [Kie15]. **forced** [CFC03, LBCN00]. **forces** [DS21a, Sch16a]. **Forchheimer** [CD23, CD13, Kie17]. **Forchheimer/Darcy** [CD23]. **forcing** [HW04, IKM23, WDU21, Zen93]. **forecast** [WCGW95]. **forecasting** [RW87]. **foreign** [BDOG19]. **Foreword** [FJ92, IN01, Tah19, Tah24, Vic87a]. **form** [Boy06, EK97, GND19, JY20, JBLC11, Kam00, MN03, MZM20, OZHP23, PWS06, Ree03, Sim93]. **Formal** [CAAT16, Mur99a, Mur99b, WB90]. **formalism** [EHNR24]. **formally** [QXQ22]. **format** [RS22, SMTHE22b, SMTHE22a]. **formation** [HPW21]. **forms** [BS14a, Beg00, CJ90, Eir95, Sal03, SST09, Zan91]. **formula** [DhW09, Kza99, MV20, MD20c, SHA12, Ske89a, WC02, Zla85b, Zup04]. **formulae** [BZ93, Ber86, CV95, Dia95, RMH20, WX06]. **formulas** [BRS16, BDMGVO05, BGVHN10, CCBGV08, Chr01, DGV00, DBCBPP10, DIR13, GPHA16, Has08, HJ17, JKN94, KS09c, Kza92, Maj17a, Meh22, SG96, Sid14, Sid23, Ske89b, SBS24, Xiu08, ZZJ21]. **formulation** [AA87, AFS02, BC02, BK17, BRS05, BSQ96, BM18, BP95, CGS19, CHOR19, CSW19, FS24, Gat91, GP00, GS18, HP85, HH98, HL03, KKP07, KS02, Li98, LZY09, MG00, MS08b, Med96, NK24b, SLJ86, SMW21, Wan05, Wen98, ZdBT03, DM12]. **formulations** [CDG19, LRS09, LLL08, SM13, WK00]. **Fortran** [GBDB97, TS06]. **forward** [BS21, Fre98, HJ21, JM94, MII13, SD24b, YLW20a]. **forward-backward** [BS21, HJ21]. **forward/backward** [SD24b]. **found** [Duf90]. **Foundations** [FWW+21]. **four** [BLY17, CPD+05, LZJ21, WBCK02]. **four-center** [CPD+05]. **four-field** [BLY17]. **four-point** [LZJ21]. **four-stage** [WBCK02]. **Fourier** [ST14b, AQ20, BH96, CjW18, CLX21, CPOGO17, DM09b, DL22b, DN24, FFQ09, GANT02, HM15, HM17, Has20, JZS20, KHM+19, Li22, LT23, LZIZ23, Lyo12, MM07, Moo95c, NK24a, Nke07, Pan21, PLB22, RGL16, RO16, She00, WZL13, WMF17, WDH20, WWM22, YLX21, YWW23, YR09, ZO14, ZLW20a]. **Fourier-finite-element** [Nke07]. **Fourier-type** [Has20]. **Fourierization** [SW07]. **Fourth** [AKBF19, BM06a, CHSS01, EH09, GX11, Lua17, XLKY19, YT00, AP20, BTBR19, BIO24, CFLW22, CS19, CES91, DhW09, DZ12b, Den15, DB08, DCL23, FK23, yGqWsWC05, HPH20, HTSZ23, Kat89, KZ13, LO22, LLJY20, LW21a, LXZS22, MFAD23, NP21, PZMX16, PGDB08, QXG21, RZ18, Rog19, RTA19, Rou20a, SXL22, SP22, SKS23, Ven15, Wan07b, Wan17b, WXY24, Wen98, WYP12, XWX21, XZT21, ZLY23, Zha14, ZZLL21, BGH+15]. **Fourth-** [BM06a, CHSS01]. **Fourth-order** [AKBF19, EH09, GX11, Lua17, AD20c, BTBR19, BIO24, CFLW22, CS19, CES91, DZ12b, Den15, DB08, DCL23, FK23, yGqWsWC05, HPH20, HTSZ23, Kat89,

KZ13, LO22, LLJY20, LW21a, LXZS22, MFAD23, NP21, PGDB08, QXG21, RZ18, RTA19, Rou20a, SXL22, SP22, SKS23, Ven15, Wan07b, Wan17b, WYP12, XWX21, XZT21, ZLY23, Zha14, ZZLL21]. **Fowler** [GS24, LO03, SSC23]. **Fox** [Meh22]. **FR** [MK19]. **fractal** [ABdSG23, DdCVR03, Hey20b, SSA+22]. **fractal-fractional** [ABdSG23, SSA+22]. **fraction** [AR93, CJM88, CV88]. **Fractional** [AGZD22, ABD24, BJ03, CD18, HAML21, MD19b, RR21, ROB17, AD19a, AD20c, AD21, AKM+21, ACKV24, ABZ21, AACP20, ABdSG23, AS20a, ASA20, AMK18, AHO16, AKBF19, ALZ+21, AL22, APJ10, AKS21, AD19b, BL21, BFS17, BK21a, BZ17a, BK21b, Boh21, BBBN21, BS20a, BCGI13, BMWH20, BJTZ20, BO21, BJ01, BJ06, BCDP17, CA21, CC18, CDP19, CCdlH20, ÇD17, CDW13, CLTA18, CLX21, CCST22, CQZ20, CWY20, CG21, CJLS98, CP03b, DA16, DA17, DA18a, Din19, DCY20, DCJ20, ESEKZ10, FM21, FK23, FWHM20, FZM20, FSWZ19, FCW20, FXCW21, FCW21, FHX22, GG19, GMG19, Gu20, GWLN22, GND19, GW20, HHAA22, Han19, HZ21, HMN20, HA21, HPH20, HZ20, HZD21, HMD21, HQAZ24, HJ17, Hey19, Hey20a, Hey20b, HAA21, HAR21, HCGW22, HS19b, HAY20, HZAT21, HS21b, HAC22, Hus20, IB24]. **fractional** [JK21, JRS20, JZXJ21, JWZ21, JHGZ20, JL17, JL24, JCJP21, KBS11, KK20a, KAS22, KSHB21, KHB22, KDH20, KP19, KZ21, LP24, LLKJ21, LYF17, LHW17, LR18a, LR18b, LRC19, LSP20, LR20a, LCHW20, LZJ21, LPV24, LQS21, LS21, LYY15, LYK17, LCLW17, LCL18, LLZ19, LZCF21, LL21, LSY21, LYZW22, Lot19, LXCM21, LR20b, LLW20, MD20a, MD20b, MD22, MN23, MCS16, MWC21, MMDH19, MMD20, MMDS21, MC17, MT06, MM20a, Mit22, MMM19, MAD23, Mok17, MDASAO21, MMP20, NP21, NLS18, NLS20, NTHC21, NA21, NWL+22, Odi19, OB20, OB24, OGS20, OCVW22, OAHN22, PB21, PTV16, PTV20, PH17, PJB04, PAJ12, PMP23, QWX20, ROL19, RE19, RMH20, RZ18, RL21, RV22, Roo20, RGMO19, RREP+20, Rou20b, RG21, SRK21, SRK22, SKBAS08, SOB20, SK22, SY18, SC20, SWB20, SWB21, SJ18, SSA+22, SA20]. **fractional** [SS17, SD24b, SA18, SA19, SL15, SSKS21, SWW11, SSPZ20, SW17, SND19, SZW19, SND21, TDMT21, Top21, UHUL21, Vab21, VA05, VL19, WZW13, WH18, WMLB19, WR20, WZZ21, Wan21, WLM21, WCS21, WCM21, WHW21, WCL22, WW14, Wu09, WWF20, XWW19, XW19, XZL19, XLZ20, XWZ21, XF22, XWX21, XZZ19, XGQ20, YMD21, YL13, YJZ18, YLFT20, YLX21, YXN21, YLLZ21, YDWW17, YWSL20, YRV21a, YRV21b, Yüz22, ZM19, ZDM18, Zak19, Zak20, ZHS22, ZL17, ZQY18, ZZ19a, ZJ19a, ZYLL20, ZYC22, ZJH+23, ZW19a, ZLX19, ZZ17, Zhe19, ZZ20, ZEW20, ZZJ21, ZLWF21, ZJLA22, ZZ19b, ZSZZ20, ZXW17]. **fractional-in-space** [BMWH20, XZL19]. **Fractional-order** [RR21, ROB17, ACKV24, Han19, IB24, LLKJ21, YRV21b]. **fractional-step** [ZQY18]. **fractionally** [HLY22]. **fractions** [Bre88, CJV88, GGMP88, Gil91, Hau88, Jac88, JT88, Lem88, Lev91b, Lev91a, Lor10, Njå88, Waa88]. **fracture** [CH19]. **Frame** [Liu21, HS24, IPL02, Jia12, PLI03, Shi20]. **frames** [JP17]. **framework** [Aso21, BGO13, DSZ15b, DSZ15a, GR02, HZD21, KN19, Kim19, KS07, SB03, ZDM18]. **frameworks** [MM16]. **Fredholm}** [All24, AKM+21, AHB20, AS20c, Aze22, BKM19, BES18, BBCR22, BMGGG12, CHLX07, CC20b, DAMA23, EHV19, Fer09, HS19a, HDS20, JRW06, Kan89, KX91, KPR12b, LW21b, LNZ12, MKN23, Mie89, MSS21, Pan21, PP24, PT11, ROB17, RG20, RSR23, RN22, SP22, SBS+20, TH23, VBD93, Vas17, XL09a, ZD20]. **free**

[AD19a, AD20b, ATW20a, ATW20b, AMH03, BBD20, BSV09, BM06a, CDV00, CYYH21, CS24, DA16, DA18b, DA19, DN13, EH06, FPRA09, FJH+01, Fuj99, HD22, HZ12, HLIS16, Ito17, KTD20, KKLD21, Li16, LL23, LB23, LMSW17, LR87, LYOI99, MD22, MNR14, Mat08, MP15, MD21, MD23b, MWYZ18, NNJ23, NW09, Pas91, SW95b, SV24, Ver93, WaZW23, XLK07, YZ21, ZBD24, ZG92b, ZOZ09, ZFZ19, ZR21, MD23b]. **free-surface** [BBD20]. **freedom** [Mau08]. **Frenet** [HS24]. **Frequency** [MK20, BvG19, HM86, KKN+17, KCW16, LT07, LCJQ12, LW20b, Par14, PG02, Pul05, SWL20, WWX13, ebKMZ24]. **Frequency-explicit** [MK20]. **friction** [BBD18, Gwi09, KPR06, LX21, Por17, QMLC15, QAMX17]. **friction-type** [LX21]. **frictionless** [Ahn07]. **friendly** [TS06]. **Frobenius** [Gab02, MdR05]. **frog** [TH18]. **front** [Gro94, SW86, WC24a]. **Fronts** [SM13, LMPS19]. **Froude** [BTC23, BD22]. **Full** [Spi00, Ben02, CGW20, Mit97, SH10, XZZL15]. **full-discrete** [CGW20]. **Full-FAS** [Spi00]. **full-Newton** [XZZL15]. **Fully** [CPR93, ER07, FID18a, Gon06, Wan17a, ZFS24, AGJ12, ALM04, Aso21, BKM13, BGG+20, CL01b, DS17, DLM20, DL16, GIS23, Guo15, HHL23, IS23, Kni94, Kni95, Lan95, LR18b, LLY21, MD20b, Now96, PD01, Rog19, SZ22b, zSW06, SND21, jWjJ17, jWC22, XP23, YJJ+24, ZQY18, ZLSZ22, ZYH23, ZS21a, vSK97]. **fully-coupled** [AGJ12]. **fully-discrete** [SZ22b, ZLSZ22]. **Fully-geometric** [Wan17a]. **fully-mixed** [GIS23]. **Function** [MRF00, AQJ18, AQ20, ABI22, AC23, Boy15, BRZ17, BP95, CCDJ20, FK23, GS17, HSS07, JD09, KKT16, KW21, KESYB23, KAS17, LN08, LSY21, Man96, Mon21, NV23, NRZR12, Pré10, RS09, Sar05, SB18, SJ11, SZQH23, uIVS13, SS09, SZW19, Sus10, Sza94, Ver93, WL09c, YWSL20, Yüz22]. **Functional** [BNH01, Ere19, Jac87, AL24, BKM95, BBPR05, BCC16, Bic21, Bru07, Buc06, Cah92, CFM+24, CST97, CH90, DD21, DLN+24, FT06, GM08, JL91, KO92, Li05, LZ17, LLZ+22, LYLL23, NT92, NH24, Par14, PH17, RTW21, RAOC18, tSqWyG16, Wan17a, WCM23, WYL11, ZK00]. **functional-differential** [CST97, JL91]. **Functionally** [HS09a, Hoa15]. **Functionally-fitted** [Hoa15]. **functionals** [AY22, BRRS15, LS86, OAHN22]. **Functions** [ADNR21, AG05a, AMCM09, ABY22, AGY08, ACM09, AD18a, BF20, Beh93, BO11, BG11c, BE99, CMP15, CFV10, CPD+05, CJM88, Coo89, CPZ17, Dar90, DW00, Dés08, DMGVO05, Die15, DKL24, Dra97, DGS24, GFB99, Gem23, Gil10, GK93, GP04, GPP04, GP17, GGS04, yGyZ07, GSW09, HZ96, Has20, HA21, HN22, Iva07, IJ21, Jac88, Jad94, JZJ10, JM05, Jun07, JGK11, KCS07, Kza92, LW21b, LZZ22, LWW22, DLM16, Luo18, LJ20a, Mac92, MD06, MS19, MCS16, Mar94, Meh22, MKJ23, NLS18, NSCC19, Nov03, PGS10, Pas91, ROB17, Sad96, Sad97, SRK22, Sch08a, SBS+20, SW09b, SS10, SBS24, TLSS09, Uty08, VVV24, WZ14, War92, XB14, ZM19, ZDM18, ZT06, Zha07, ZHL03]. **Fundamental** [ASS21, Lyn92, AMV17, GJR03, KJL12, LLHC17, LWCH19, ZLHW19, ZLCH20]. **furnace** [BGM+09]. **Further** [CH95b, NN13, ABFV09]. **Future** [Bie87, Son00]. **Fuzzy** [PGC01, DHWL22, GNAS+20, GAOB20]. **FV** [ZWN23]. **FVEG** [LMWZ07].

G [BtTBV87]. **gain** [GT19a, KPRU20]. **gain/loss** [GT19a]. **Galerkin** [ADSS17, BBRS97, Cas06, DM09a, LX24, MS13, AD19a, AD20b, AD20a, AD21, ABZ21, ABJ12, AW14, AS20a, ASA20, AD08, AA22, ATW20a, ATW20b, An16, ASZ18, Ant13, AFS11, AD18b, AD19b, AAEMY21, ÁMS17,

AV00, Bac14, Bac16, Bac17a, Bac17b, Bac17c, Bac18, Bac19, BTBR19, BTBR20, Bac21a, Bac21b, BBV13, Bec18, BVT14, BNV06, BTP96, BS20a, Bus06, Cai24, CGJ16, CW21, CGRT18, CK98, CDW23, CL20, CCK08, ÇY22, Cul95, DA16, DA18b, DA19, DK21, DGN12, DN13, DB08, DMR18, DL16, DLZ21, DYF23, EAS12, EKT19, FM21, FD16, Fat10, Fra16, FJ95, Fre98, GZZ20, GG22, GP23, GM18, GHH09, GD21, GS20, GÖ20, GT93a, GCZZ23, GWLN22, GJV08, HHYD20, HZ21, HLMP09, HZ20, HQAZ24, HMP14, HJL18, Hop23, HCGW22, HH18, HS19b, HAY20]. **Galerkin** [HST14, Hus20, ID19, Ito22, JRT90, Kam16, KDT17, KTD20, KNN03, KPY15, KB21, KSMMM16, KwS19, KWLK00, KXR+04, KQ13a, KQ13b, KDD23, Kwa09, LH11, LPT94, LHS00, LH02, Li11, LZ14, Li16, LHW17, LW19a, LSWM19, LWY20, LW20a, LWW20, LL23, LB23, Lia22, LM21, LCH20, LT01, LS07b, LYK17, LNZ12, LMWZ07, MQO17, Mai06, MSZ+24, MFAD23, MWYZ18, MC21, Mus11, NN20, NS21a, NWL+22, OEAS21, Pan21, Pło22, Pło23, Por17, PCRR17, QM20, QXG21, RP17, Sac93, SRK21, SC19, SZ09, Sha21, SW07, SL22, wSJP15, Sin24, SZL18, SW85, SvdVvD06, SW05, TWMP20, Tem15, Tem23, Top21, VCN20, Wal19, mWyG00, WMLB19, WTY21, WL22, WCL22, WJM22, WWLL23, WaZ24, WSHC20, Won08, XZW19, XY19, XL23, XF06, Xu21, YZ17, Yan21a, YJ21, YS22, YQCZ22, YJ23, Yan23, YWW23, Yua20]. **Galerkin** [ZH21, ZP24, ZOZ09, ZY14, ZFZ19, ZZ19a, ZLX22, ZYJZ23, ZZ24, ZYZJ24, ZZX20, ZGR23, ZLG24, ZZ17, ZZC+18, ZX14, ZSQ20, ZSQ21, ZX22, vR04, vdVS08]. **Galerkin-characteristic** [EAS12]. **Galerkin-characteristics** [OEAS21]. **Galerkin-finite** [DL16]. **Galerkin-Legendre** [HCGW22]. **Galerkin-mixed** [YJ23]. **Galerkin-multigrid** [CK98]. **Galerkin-spectral** [LT01]. **game** [FVGS13]. **games** [CZ19, SCLL21]. **gap** [BG06]. **Gardner** [ZZX19b]. **Gargantini** [CP94]. **GARK** [SGR21]. **gas** [EWW99, Gla94, LK07, MRS03, Pow94, Tad86, Tan23]. **gases** [CCP04, CS01]. **gauge** [Cau08, SED21]. **Gauss** [KK09b, SLW17, BLS+17, CG13, DBBH14, ELR+15, FMS24, GP93, GY94, yGpY09, Has08, Has09, KS09c, Kza99, Lab99, LHT20, MSP10, NLS20, OL18, PR22, RE19, RS21, The17, Tom24, VV05, Wel10a, Wel10b, WX22, XZZ19, ZMY21, CKB12]. **Gauss-type** [Tom24]. **Gaussian** [AT13, BBCR22, Boy15, Car23, CBHY11, DRS19, DDRS24, GY94, HHW18, Ioa89, Kza92, LS24c, MMP20, ST19, SdSC99, SMJ24]. **Gaussian-impulse** [LS24c]. **Gaussian-localized** [Boy15]. **Gautschi** [KR15]. **GB** [RMS17]. **GB-splines** [RMS17]. **gBBKS** [IKMM23]. **GCD** [CKM10]. **GCRO** [SMTHE22b]. **GCRO-based** [SMTHE22b]. **GCV** [Baz03]. **GDE** [DS07a]. **GDN** [ZZL01]. **GDN-stability** [ZZL01]. **GeCo** [IKMM23, MCD20]. **Gegenbauer** [By01, DSM11, Elg17, ER18, FK23, Has08, LLJY20, RV22]. **gene** [OZHP23]. **General** [BBO03, BB98, But85, CJM88, HM21, LHHR94, Zla85a, AH11, AJ19, AR93, AA87, Bac21a, BCE04, BCJW17, BCJP18, BJ20, BIJ23, BCSH16, Buc17, Bur91, BC95, BJ96, BS00b, BW03, BP06b, BD17, CA21, CIJ17, CY98, CMR12, CST18, CMCGTR02, Dav98, DS07a, EG88, FW07, Fdi97b, FS05, Gan96, GM16, GDEdLD23, GP17, GS21, HZD21, HH10a, HS24, HZ02, HCX03, JY20, Leo10b, Li05, LYA+19, MAH18, MHA19, MAH22, Mur98, Que21, SA90, San20, Sch12, TWMP20, Wal00b, XFLC00, YH00, Zha00, ZT06, ZLX22]. **general-form** [JY20]. **Generalisations** [RS08a]. **generalised** [EC07]. **generalization** [ACP24, BKR13, BHHS10, BC97b, CGA96]. **Generalizations** [Bre91, BKP15, BNKR20].

Generalized [AHAS21, De 88, GM87, GPHAPPR23, GSW09, IJ17a, LFS15, Mil17, SZ17, SS16, TCCW89, TYKK01b, AD20b, AD20a, ARY23, ÁKM20, AEN22, BW21, BNH01, Bis11, BDKM92, BBBN21, BFdO07, BRBM08, But09, Cao03, CGMS21, CjW18, CJL13, Che96, CCLT10, CEW00, DS20, DGE22, DMH18, DSK12, DRS19, DBBH14, DMM24b, DSM11, FH04, yGyZ07, GR02, Har93, HW22, HD23, IM98, ILS19, JP93, KDAK13, KOS21, KAS22, KHM+19, KTS03, LHH96, Li12, LZ22, LO03, Liu02, Luo18, MNSS22, MDRR11, MD22, MCS16, MS13, MD20c, MD21, MD23b, NYPW21, NR14, OB20, OGS20, OZHP23, PV93, PCA10, Pou00, RE19, RSY12, RS21, SW95d, Sch99, SLW17, SZ12, SD22a, SKO19, TW00, VRC21, jWyG08, WL16, Wan17a, WH23, Wu09, YHT23, YR22, YWSL20, Yua20, YRV21b, ZGL98, ZD20]. **generalized** [ZYH23, BGG+20, BWEP95, TD09]. **generalized-Jacobi-function** [YWSL20]. **generally** [WX22]. **generate** [CEW00, RS22]. **Generated** [DRC85, CGCMTR02, FKA+13, GRGJ02, GPP04, Hey20b, War92, YXB95]. **generating** [AEA23, CHR03, Ver93]. **Generation** [Bak86, Eis86, QM03, Ari03, AD04, BBV13, Bak89, BSFDM02, BS00a, Boh03, CM02, CM04, DH94, EM05a, EM05b, MI03, MCE+09, PR12, SFJ+05, SYG+05, Son00, Spi99, Spi00, YC00]. **generator** [WE99]. **generators** [GPíP03]. **generic** [Eir99]. **genus** [LWCT07, NAF24]. **geodesic** [ZML+12]. **Geological** [SR88b]. **Geometric** [CR04, Fra04b, GQ08, HL23, LW22, MQ03, Moo95a, VV07, AH09, BCR01, BG02b, CLMSS98, DF92, GGLR09, GGR97, Ost02, Wan17a, Xu13, Yan21b, MCD20]. **Geometrical** [BCM04]. **geometrically** [LA12, SS99]. **geometries** [Fun94, Kar89, Kwa09, She00]. **Geometry** [SYG+05, FdSB02, GRGJ02, MD00, MMP02b]. **Geophysical** [Per88, NC16]. **geostrophic** [MAD23, WZL13]. **Germany** [vdHSW98]. **Gersgorin** [CP10]. **GEW** [KOS21]. **GHDMR** [TD09]. **ghost** [CFX08, LK07, CFXZ06]. **Gibbs'** [SRMDRL23, Jun07]. **Gilbert** [BS06]. **Ginzburg** [HAR21, LHW17, LWW23, SL20]. **given** [CP07, Gwi09, Jac88]. **glioma** [LARGVR23]. **GLMs** [AAH21]. **GLMs-based** [AAH21]. **Global** [AMP20, FJ95, HZ20, HZC22, JMS99, LY01, LH02, LYA+19, PGP03, SW09a, SXP09, AF23, BRRS15, Car94, CN11, EAV16, EHV19, FSB97, HdSRI17, JEG10, KP18, Kał22, Kim19, LS10, LMS08, WKM04, WKP12, ZD21, dv95a]. **global-local** [FSB97]. **globalization** [CH22]. **Globally** [HLMKZ06, AÁ21, AB07, BF95, HW22, Ise02, KKN+13, KKN+17, NMKE13, SG04, WG22, YFLX20, ZFZ19, Zha20a, Zha20b]. **glow** [FMSV07]. **glow-plug** [FMSV07]. **glucose** [MLK06]. **glucose-insulin** [MLK06]. **GMLS** [MD23b]. **GMRES** [AB07, Bad20, Cao97, DB97, Du11, GNNR19, GL93, JMS99, KYC03, Meu14, Mor05, PKSB10, SMTHE22a, Tou97, WZ16, ZD21, dv95a, van95]. **GMRES-like** [van95]. **goal** [AS05, XHYM22]. **goal-oriented** [AS05, XHYM22]. **Godunov** [KMR09, LE94, Mat05, SW86]. **Godunov-inverse** [Mat05]. **Goldstein** [LLY11]. **Gompertz** [NK24a]. **Good** [Zup03, EZ03, ZWH+17]. **Gordon** [CC19, FCW20, KCY19, LSWM19, MD20a, MMDH19, MMD20, MMDS21, WDH20, WCJ23, XWZ21, AS20a, Bac17c, CH89, DL22b, DC18b, FCW21, HZ09, HMN20, LYA+19, Lyn99, Nak24, RV22, SLW17, WW19, WG23b, XWX21, YZQ+22]. **governed** [AZHD23, CLY19, FS23b, HL19, LYZJ23, LY03, WZZ21, WCL22, XL11, YÇ16, ZZ19a]. **governing** [Rou20b]. **GP** [GPP04]. **GPBiCG** [AS13, Fuj02]. **GPST** [Che88, CZ90]. **GPUs** [CP17]. **grad**

[BVV09, LFQH21, MV18]. **grade** [Wu09]. **graded** [BLM17a, DL06, Mai09, YZ17, YZ19, Zar17]. **gradient** [ATW20b, AF23, ABY22, AKA19, BSGU94, BBBK22, BGH08, BIMV19, CW20, CHSS01, CR05, CCL04, DW00, DW15, EAS12, EKT19, EGH01, GM08, GO18, GH21, GR02, HVY91, HWY20, HZC22, HZCZ23, HS97, Kie15, KKLD21, KLS13, LWW20, LWLW24, LZW20, MK19, Pfl08, Ria22, SSW20, SSS$^+$23, San03, SW95d, SYW22, Wan23, YFLX20, Yu08, YLS$^+$09, YLH20, YLW20b, ZY23, vdES04]. **gradient-boundary** [BGH08]. **gradients** [AGJM04, LYZJ23, Ren13, SB18]. **Gradual** [FT06]. **Grail** [Bur93b]. **granular** [BBL02, TSFB01]. **Graph** [BT94, ABD24, Gar03, GM17, MM20a]. **graphene** [LY24, NT20]. **Graphics** [CB99, Zar99]. **Graphics/Cray** [CB99]. **graphs** [BDFK95, DE06, Obe15]. **grating** [KN19]. **gratings** [NT16, Rat13]. **gravitational** [FGGL22, Lei02, Maj20]. **gravity** [AD15, GD09, HD88, KTK20, NC16]. **gray** [GS20]. **GRBF** [Hou23]. **greatest** [BWY17, BWS21]. **greedy** [LG19, Liu24, DE18, ZG20]. **Green** [Arc06, CA15, DL16]. **Green-Naghdi** [DL16]. **Gregory** [CL06]. **Greville** [Joh05]. **Grid** [Bai97, Eis86, MI03, Pet87, Son00, AZHD23, AGM95, Ari03, AD04, ACM91, BSFDM02, BV94, Boh03, Bor97, BB10, CM02, CL10, CWHF19, CYWH22, CDW23, CWZ23, CM04, CMS06, DH94, EM05a, EM05b, FD97, FL04, Fer96, FSB97, Fou00, GLV06, GKT10, HS86, HCY18, HL19, HJYL19, HY01, HCW16, IM00, Jun97, Kni94, Kni95, LKV01, LCHW20, LSG24, LGH11, LYOI99, LE94, MMT90, MR94, MT05, MM20b, NN13, OZ96, QLL$^+$08, Qui96, Ram94, SJ20, SW20a, Shy86, Shy91a, Shy91b, Spi99, Spi00, Tow16, Tro93, TY00, VT93, Wag98, WH19b, WSS97, XGQ20, XXF22, YC00, YWH20, YCWH23, ZTZ15, ZZHS18, ZBY19, ZC92]. **grid-based** [LYOI99]. **grid-orientation** [ACM91]. **Grids** [SM85, AG05a, ASCM02, ASC03, APJ09, Bac17c, Bac21b, BKP09, BM00, BCE04, BS94b, BS96a, BTDV10, CGCMTR02, CH19, Chu03, CS18, DF11, DT10, DGD03, DSSC13, EL94, FD16, FS88b, Fre04, GGLR09, HP97, HZ02, HS97, Imo00, JTB15, Kal96, KWLK00, KTS03, Koz94, KKE16, KQ13b, LRC19, LR20a, Lin01, MRF00, MS90, Mit97, MKS12, PRGO16, PC00, RGL16, Rus95, Ste05b, SN04, SGN06, Tho85, Tol04, TJ12, VL08, Vic87b, VT91, WC24a, Zha09, ZLL22, ZML$^+$12, dAF17, dVA02, iV09]. **gridsize** [Hol01]. **Gross** [LCW20]. **ground** [Bec02]. **groundwater** [DMQ02]. **group** [BK17, TM21, YF24]. **groups** [LP00, MA09, WGKS12, WC02]. **growing** [GHW20, ZW24]. **growth** [DLS22, CL02a, CL02b, GeO24, HZ96, JK17, LBLT13, LQXK23, LARGVR23, NK24a, RA17, SL21]. **Grünwald** [CHS19]. **GSAV** [LS23]. **GSOR** [Zen21]. **Guaranteed** [Kim21, ZCZ15]. **guarantees** [HZCZ23]. **guess** [Boy07]. **guide** [BLJ21]. **guided** [GKB$^+$22]. **Gurtin** [YZC21].

H [BtTBV87, BFP11, Hua98, Ree03, YZ21, Zho18]. **H-div** [YZ21]. **H-form** [Ree03]. **Haar** [JCJP21, LS16, PK23, SSS21, VRC21]. **Hadamard** [AC10, BAA22, DO17a, GS21, KS10, OCVW22, Sid23, TQY24, WWLS08, ZHS22]. **Hadamard-type** [GS21]. **Hagen** [MM07]. **Hager** [SSW20]. **Hahn** [BMPR15]. **Hakopian** [SL17]. **half** [Abr93, AHO16, BH93, BT00, GHKM09, HMY19, HY24a, IV16, KM19, MG22, Ost93]. **half-axis** [GHKM09]. **half-block** [BT00]. **half-explicit** [BH93, Ost93]. **half-line** [AHO16, HMY19, HY24a]. **half-space** [IV16]. **half-spaces** [Abr93]. **half-step**

[KM19, MG22]. **Halley** [EH07b, KYI17]. **Halton** [Sch08b]. **Hamburger** [Njå88]. **Hamel** [AI19]. **Hamilton** [BGS06, BL06, CGT13, CXNF14, CFS13, CL01a, CY05, FLS94, For11, JZZH22, KHYY21, LHS00, RF16, SM13, Sti03, YXZ18]. **Hamiltonian** [ABK12, Ant23, ABD16, BL05, BF99, BGIW18, BD17, CM00, CS01, CBD16, Eir99, FHX22, GBDB97, HL99, HHW18, LW19b, LFS21, PA05, Ror06, SG17, ZJ19b]. **Hammerstein** [BBCR22, DS21b, EH09, EHV24, Han93, HY24b, KXK92, KNN03]. **Hammerstein-type** [EHV24]. **hand** [AED12, EJS04, Shi20, ZD21]. **Hansen** [PSR04]. **harmonic** [FJ09, GH07, Har98, Jia02, MM18, Pla08, RV09, ST19, WSY18]. **Harvard** [RW87]. **Hasimoto** [HS24]. **having** [CL88, DGS24]. **HDG** [ASV19, MLJ19, SZE20]. **Heat** [MCM12, AX19, AL22, BLS94, BS21, BCFQ19, BN12, Bor02, CCDJ20, CM09, CHNN20, DCN$^+$19, DMA22, FP02, Fre98, HILK13, Hor99, Hor02, Jéz99, JL23a, KV07, KBS11, Kra92, LW18b, MVVA09b, MW24, RMK09, SKBAS08, SM20, TOD11, TY03, Wag98, jW15, WS04, YY13, ZZC$^+$18]. **heat-diffusion** [KV07]. **heated** [Wu09]. **heating** [BGM$^+$09, WDZS21, YJ23]. **hedging** [Bis11]. **Heisenberg** [Bec02]. **Hele** [GLML20, GJLL20, WWZJ22]. **Helmholtz** [AAD$^+$08, BOEP00, BPTT15, CH01, DS07c, EVO04, EVO06, FFQ09, Gol86, Guo96, HDY21, HO16, Kim94, Kim95, KR20, LRS09, Li08, LWCH19, LHC23, MPTT17, MP20, NTT22, OMP98, OKS10, PG21, PM03, PB10, RS00, WSC21, Yua20, ZLHW19, dVA02]. **Helmholtz/Schrödinger** [BOEP00]. **hemodynamics** [DZ12a, RDH$^+$12, RVM23]. **Hermann** [Bru97]. **Hermite** [AJK20, Bar12, Boy15, CXNF14, CjW18, CSX23, CCS17b, CN15, CS17, FMS24, GS21, Iva07, KHLV22, KK23, LHHR94, LHH96, LHH08, Luo18, MST07, NN20, NBNTGV11, PRS23, ZL11a, ZZZ23, ZL11b, Zha21b, ZHL08]. **Hermitian** [DS21d, GGMP88, LVfP14, LXCM21, Nak12, Pet92, SH21a, Zha21a]. **Hessenberg** [GS08, ZP98]. **Hessian** [MKH16]. **Hessian-based** [MKH16]. **Hestenes** [HWY20, Wan23]. **Heston** [BDOG19, GGO13]. **heterogeneity** [Chn17]. **heterogeneous** [AK09, Ben17, CM09, DN13, DG22, IJ14, LP01, MPSS16, MPV24, MLJ19, OL18, OH20, RLMG24, RN04, SS94b, VBVA22, WCW14, XZL07]. **heterovalent** [vHA98]. **hexagonal** [DD20]. **hexahedral** [BS97a, Tob14, Ush18]. **hidden** [RR14]. **Hierarchical** [AB15, AD04, CM09, CZ90, FSB97, Haa97, Kwe00, NBP94, Zou10, BLS94, CLT97, Che96, EH08, GV18, Gar96, GKB$^+$22, GS92, KJ99, Ste97, Zou11, GMS12]. **hierarchy** [Che88]. **Higdon** [BG11a, Dea11]. **Higgs'** [MPMD21, ZH21]. **High** [AJ24a, AES15, AEMX17, BBD20, Bla01, BCR01, Bra22, BT95, Bru07, BB96, CXNF14, CSSZ20, CM13, CDP17, CP05b, CKS05, CRU15, CS18, CB99, CDR20, Dit21, DRC85, DS15, DCL23, Elg17, ER18, EP15, FS23a, Fou00, FHX22, FGGL22, GS19, GZQS23, GMG04, GLPW09, Hag15, HEG16, JZZH22, KL07, LXZ21, MPTT17, MG22, MK99, NW09, NT20, PLB22, Pir09, RR00, SST12, SMB23, SB14, SZE$^+$92, SND21, TDC13, TDW23, TD09, Ver96a, Wan21, WLG22, YZG23, YYZ23, ZSQ20, ZSQ21, Ale11, ABI22, BMGM12, BG11a, BOEP00, BMR$^+$17a, BM01, BSV21, BVV09, BTC23, BJ11, BR20, BPTT15, BO21, BDM03, BJ98, CGA93, CC19, CS08, CD00, CN15, CN17, DV20, Din19, EW97, FJ17, FHM$^+$02, GLLW14, GÖ20, GML00, GHF00, HOEC86, HZD21, HGZW21, HL21, HR97, HN22, INR01]. **high** [JM17, JUAZ22, JCL18, Jia12, JWG20, JQSC22, KN19, KS00, KM19, KK09b, KwS19, KDKW20, Kwe01, LCVG01, Lee94, LLKJ21, LX08, LYF17, LR18b, LH21, LHC23, LL21, LS24c, MS91, ML91, MD96, NT16, ÖT20, PSB91, PBC08, Pic05, QW04,

RMH20, RGA19, Rou20b, RGK21, San02, SD13b, SQ17, SYG+05, SL21, SDK15, Som93, STS00, Str98b, Sub04, TX18, TY00, VV02, Var92, WKM04, WR20, WDU21, WLM21, WC14, WS22, XWW19, XG22, XFL22, YF24, YR22, YZH24, YXZ18, Zha96, ZYQS21, ZG21, ZYQS23, ebKMZ24, van98, vdHMdS99, NNJ23]. **High-accuracy** [DS15, LH21]. **High-degree** [PLB22]. **high-dimensional** [HN22]. **high-frequency** [ebKMZ24]. **high-index** [San02]. **high-level** [PSB91]. **High-order** [AJ24a, AES15, AEMX17, BCR01, Bra22, BT95, Bru07, CSSZ20, CM13, CRU15, Dit21, Elg17, ER18, EP15, FHX22, GS19, GZQS23, GLPW09, HEG16, JZZH22, KL07, LXZ21, MPTT17, NT20, SST12, SMB23, SB14, SZE+92, SND21, Ver96a, Wan21, WLG22, YZG23, YYZ23, ZSQ20, ZSQ21, ABI22, BG11a, BR20, BO21, BDM03, CGA93, CC19, DV20, Din19, GLLW14, GÖ20, GHF00, HOEC86, HZD21, HL21, INR01, JCL18, Jia12, JWG20, JQSC22, KN19, KK09b, Lee94, LLKJ21, LR18b, LL21, LS24c, NT16, ÖT20, San02, SL21, SDK15, Som93, STS00, Str98b, TX18, VV02, WKM04, WR20, WDU21, WC14, WS22, XWW19, XFL22, YZH24, ZG21, ZYQS23]. **High-performance** [CB99]. **high-precision** [Var92, vdHMdS99]. **High-resolution** [CXNF14, Hag15, Pir09]. **high-speed** [MS91]. **Higher** [Aca12, Agu15, BM05, DRVA20, EES05, Gar96, Joh05, KC19b, Kha21, NK11, Vej10, WL09b, ZX14, Arn93, BKR13, BNV06, BC05, BD11, CZ97, CJX11, DKSS24, ELCWS98, ECB07, FM11, GJ00, GND19, HAN23, HO24b, HvdHV10, HST14, KOS+12, KK22a, LMWZ10, MNSS22, MS08a, Mat09, Nic86, RA03, SDK24, SM93, SS13b, Tem15, Tob14, WDH20, WB03, XY24, ZL24, Coy12]. **higher-index** [ECB07]. **Higher-order** [Agu15, Gar96, KC19b, Vej10, WL09b, BKR13, DKSS24, MS08a, RA03, SM93, Tem15, WB03, XY24, ZL24]. **Highly** [Ben96, Fac03, IRC12, IJ17b, JP17, JJL+24, LAH09, ACP24, AK09, AS20c, BBV13, Cai24, CSSZ20, CC04b, Che12a, DIJ12, DYX09, Den93, ECHF+20, GHHG22, Has13, Has20, Ise02, IKM23, IR22, KDS22, Li01a, LWWX10, Li23, LVW21, LTT19, LW20b, MK20, Maj17a, RCGM98, XFG19, YH18, ZYX20, ZJ19c]. **highly-oscillatory** [Ise02]. **highly-stable** [ACP24]. **Hilbert** [AMCM09, BLM17a, DO17a, DO17b, DP21, GNAS+20, GAOB20, JL94, SAA20]. **Hilfer** [SSA+22]. **Hille** [Lub92]. **Hilliard** [GLML20, GJLL20, JJL+24, WaZW21, WWZJ22, AZ23, BMWH20, CGH23, CCZZ18, CW22, CCL04, DLQZ23, GGT24, HLT07, KK09a, WWL21, ZCY20]. **Hilliard-Cook** [CCZZ18]. **Hilliard-Hele** [GLML20]. **hillslopes** [IMC22]. **hinged** [Ito22]. **Hirota** [Nak24]. **histopolation** [KOS20]. **historical** [Bre96, BW96b]. **history** [But96, TCCW89, ZC92]. **HJB** [AS20b]. **HJB-POD** [AS20b]. **HJM** [Mar09]. **HLL** [Sch16a]. **HLL-type** [Sch16a]. **Hodge** [AM10b, BS14a]. **Hodgkin** [Par21]. **HOFiD_bvp** [Set24]. **Hohenberg** [DGE22, QH22, Qi24, XXYZ24]. **Hölder** [LS10, LSW23]. **Hole** [FGPR12]. **Holistic** [Rob01]. **hollow** [LR19]. **Holm** [AS06, CLP15, JWG20, NYPW21, QR24, RLSS06, ZZ18]. **holomorphic** [Dar90, LFP04]. **holonomic** [BGIW18]. **Holy** [Bur93b]. **homogeneous** [AMV17, BP12b, MH14, PFHL09, RLMG24, WG19, ZCGS21]. **Homogenization** [MS00, LP01, RCGM98, Shi20, YXZ18]. **homotopies** [BZ17b]. **Homotopy** [AI19, YCY12, CH21, LW18b, Odi19, SL08, TWH21]. **HOOI** [XY24]. **Hopf** [JMDN+22]. **HOPS** [NT16]. **hopscotch** [BtTBV87, Duf90, HV89, tV87]. **hoRA** [GT18]. **horizons** [MVG14]. **Horizontal** [CMP06, CML05, GRGJ02, QR03]. **Hormann** [CHS17]. **HOTV** [San18]. **hp**

[ADGM08, BF15, BS14b, BPS19, BH10, BD11, Bür13, CZHX19, DN21, Dol14, DMR18, DJ08, DH07, DM10, GS20, GW20, HH18, KPY15, KWLK00, KFOF02, KR10, LWY20, MS05, Moo04, NDM20, PZMX16, SA00, WTY21, dSFDG20, LX24, YMD21, ZMY21]. **hp-adaptive** [BS14b, Bür13, Dol14, dSFDG20]. **hp-BEM** [BF15]. **hp-estimates** [KPY15]. **hp-finite** [BPS19]. **hp-mesh** [DMR18]. **hp-refinement** [Moo04]. **hp-version** [DN21, GW20, HH18, KFOF02, LWY20, NDM20, WTY21, YMD21, ZMY21]. **HSS** [BY09]. **HSS-based** [BY09]. **Huggins** [GJLL20]. **Hull** [GGO13]. **hundred** [Bru97]. **Huxley** [Par21]. **Hybrid** [AC98, CHLX07, KPR06, PH91, Rha99, VA21, ZYZJ24, AKM+22, AP16, AP20, AA87, AD04, BDMG12, Bai96, Baz03, BCSH16, BD22, CH22, CXZ17, Dal00, DD19, De 06, FHK05, Fuj02, GFB99, GNAS+20, Hua09, JT18, Kal96, KD13, KWLK00, LY01, LH02, LK14, LCS19, LWLW24, LS99b, Lte24, MS19, MK21, MK19, Nak05, NV23, Ou11, PH15, PMP23, RY13, SA00, wSJP15, Sv95, TC22, TYJ11, Tou97, VB07, WM08, XFL22, ZBD24, ZZPJ23, ZLG15, ZGDL17]. **hybrid-line-and-curve** [CH22]. **Hybridization** [BPS19]. **hydraulics** [HS98]. **hydro** [CPY20, LY16]. **hydro-dynamically** [CPY20]. **hydrodynamic** [BGM+09, DSW96, JT02, JT06b, RGK21, WaZ24, YZH19a]. **hydrodynamics** [CDD00, LL06, Qiu23, Qui96, RI02, SKR+16]. **hydrogen** [CPD+05]. **hydrologic** [RVdCVR02]. **hydrostatic** [DL21b, FGGL22, WLG22, WDL23]. **Hyperbolic** [De 88, AM09, AW14, AA22, AAEMY21, BJ02, BF17, BW95, Ber04, Ber05, BTP96, BM12b, Bor16, BGP11, BR20, CCL22, CJ18, CSW19, CRU15, CR19, Chi93, CL09, Dav92, DGRS09, FE93, FJS99, GQ89, Gas92, GK19, GDS+15, GJ17, GHF00, HMD21, HT19, HWCF15, IT16, JJ94, JNPC03, KPY15, Kop86, KXR+04, KR12, KW10, LJ20b, MD20b, MS08a, MG22, Mon21, MC21, NB01, NFAE03, PGDB08, RZ00, RGB20, Ric91, Rog19, RMK09, Sea09, SYL+20, SZQH23, uIVS13, Sof17, Str98b, gTpM07, TDW23, TJ12, TM15, Vic87b, Wal00b, WDL23, XF06]. **hyperbolic-heat** [RMK09]. **hyperbolic-parabolic** [FJS99]. **hyperbolic/parabolic** [AA22]. **Hyperbolicity** [LY16]. **hypercomplex** [AMT17]. **hypercube** [CSS87, De 93b, LS86]. **hypergeometric** [AR93, CJM88, DIR13, KW21]. **hyperparameter** [LV12]. **hyperplane** [KLSW10]. **hyperplane-constrained** [KLSW10]. **hyperplanes** [Mon09]. **hypersingular** [AFF+15, BVB09, BVB10, BVRB14, BRBB18, Cai09, Mai09, Sid14]. **hypersonic** [KH91]. **hyperspectral** [Lo06]. **hypoacusia** [BF09]. **hypoelliptic** [AY22]. **hysteresis** [LR01]. **hysteretic** [FS23a].

IA [AC96]. **IBVP** [Str98b]. **ice** [CDV00]. **Iced** [KTS03]. **ICOSAHOM** [Ano00a]. **ideal** [CFXZ06, GDS+15, QM10, TDW23, Tou10]. **idealization** [SW94]. **identical** [BASC17]. **Identification** [ABP95, BBPR05, CAD03, ND85, SZQH23, SW17, VSG17, AX19, AGKK94, BBV05, BBCS05, BR94, Die15, HM17, HLIS16, HK09, KN19, KJL12, KK06, LDP+14, MCM12, NYPW21, PKP19, SM08, Saz22]. **identify** [WZW13]. **Identifying** [TDMT21, HP14, HM15, Quy19]. **identities** [AR93]. **identity** [Bre91, MV20]. **IEFG** [AD19a, DA19]. **IEQ** [FCW21]. **IFE** [ZFW20]. **II** [BDDV12, BDMGVO05, BH12b, DO98, GHH09, GPHAM12, KQ13b, LH02, LFS15, Mar03, MSP10, Mur99b, SMTHE22b, Shy86, Shy91b, Tsa92]. **IIA** [GPHA16]. **III** [DGN12, VC10]. **ill**

[BHL+21, BBBK22, CRS05, EG88, GNNR19, HDY21, KMH21, Kli15, LHT20, Luc95, MRH14, Sam94, TWH21, TWD23, XXQ17, ZD21]. **ill-posed** [BHL+21, BBBK22, CRS05, EG88, GNNR19, HDY21, KMH21, Kli15, LHT20, Luc95, MRH14, Sam94, TWH21, TWD23, XXQ17, ZD21]. **Illustration** [BSTT22]. **ILQR** [XG22]. **ILU** [Zha00]. **IMACS** [CFTW08, HSX18, MH89]. **Image** [MMKN17, ABD24, BCM04, BS10, BHRY21, CP06, CW20, CF13a, CH87, DE16, EEJB22, Han19, HWY20, KM95, LK14, QM03, RU21, Sae14, SC08, SMA01, SL17, SH21b, SC22, Wan23, WYP12, YLH20, YLW20b, Zen21, ZC91, ZZX19a, ZN21]. **image-based** [QM03]. **images** [GOGF03, TSB10]. **imaginary** [SD22a]. **imaging** [CG03, HLR18, KNP16, KRBK16, Lo06, Par14, TT20]. **imbedded** [CST97]. **IMEX** [BTC23, CCS17a, CSW19, Dit21, JM17, LT12, MPPR22, Ort20, ST14a, SA21, SKW17, SW18, WCM23, ZL23, PYD21]. **IMEX-** [Ort20]. **IMEX-SAV** [ZL23]. **Immersed** [CYWH22, ZLW20b, AL09, JK14, KV07, Li98, SWFK13, WZ19, YCWH23]. **immigration** [GeO24]. **immiscible** [Nür09]. **immobile** [GWLN22, JL17, NWL+22]. **immune** [BR94]. **impact** [Ahn07]. **impacts** [Aca12]. **imperfect** [ZSY20]. **implementable** [BC89b]. **Implementation** [AH15, CO09, GT93a, Jac02, LPT94, Pot85, AHJ+23, AQJ18, Ale03, BD85, BF15, BS92, BS08, BMT93, BT98, BM02, BIM15, BWEP95, CLMSS98, CCP17, CK06, Coy12, DVV93, FV99, GV18, GPíP03, HS96, IM98, IMMS20, KN19, LT07, MP97, NS20, OMP98, PGS10, PRST02, Pel20, PWS06, SW94, SWL20, Uty08, WMF17, XWX21, Zha01]. **implementational** [GKT10]. **implementations** [DLP06, PV93]. **Implementing** [HP91, AEA23, Ney95]. **Implicit** [AS04, ARS97, BIMV19, CR05, DGM18, FV01, GM16, Gje07, GBBC+23, GHF00, HJ03, KBS11, Kau93, Kau95, KW98, MAH22, OK98, Pul86, SWE05, TB01, WBCK02, ZZX20, ZSZZ20, AD20c, ABH14, AHT17, AMCM08, ACM91, BT97a, BC08a, Bos09, BSvdV99, BJ11, Bou02, BN03, BCJP18, Bru93, BM02, BM06b, BJ06, BD22, But93, BJ96, BC97b, BJ98, BC00b, BW03, BSW93, CdFN01, CG05, CS04, Cha96, CWX21, CS24, CL09, CDP12, CRSF19, CGGM17, DR09a, DK11, DZMB21, DII15, ELCWS98, Ein18, ER07, FD16, FE93, FWHM20, FS08, FHV97, FMU15, FCW21, FL01b, GX11, GLPW09, GPMR95, GPMPR03, GPHA06, Gug05, Guo01, HV22, HH10a, HLJ20, IM02, ID19, IJ17b, JMDN+22, JVZ95, JR00, JKW12, JHGZ20, KKT16, KM19, KC19a, KMG09, Kni94]. **implicit** [Kni95, KKW00, KS09c, KW20, Lab98, Lay08, LL15, LX08, LMA18, LL19, LA21, LLZ19, LL20b, LYZW22, MMDS21, Min04, MD20c, MG22, MAF20, MSA20, MT20, MPMD21, NS21a, Pan07, Phi87, PWS06, QWX20, RZ00, RGMO19, San02, San20, SGR21, SA21, SMB23, SH09, SMEN04, Sch98, SS21, SAH24, SZ97, Spi95, Sza94, TWL23, TYJ11, TZA13, VA21, VDVV98, VBH96, WC11, WWM22, WSW96, WdG92, XWW19, XWZ21, YZC21, YT00, ZLX22, ZZLL21, in 02, vSC92, vS93, vSK97, vvdV97, vdHS01]. **Implicit-Explicit** [DGM18, BIMV19, GM16, ZSZZ20, Bos09, IJ17b, KKT16, NS21a, San20, VBH96]. **implicit/outflow** [MOU14]. **Implicitly** [Bru92, HY24b, Att97, HS22, HC01, Jia02, KBG04]. **importance** [SA05]. **imposed** [GZZ20, HJ09]. **Imposing** [ZW87]. **imposition** [ADG+24, LZ20, jWqW09, hYqW12]. **Improved** [CHZ21, CX08, DKSS24, DP21, FPRA09, LC24, Pot85, Ver06, WG23a, AC15, BZ17a, BRBM08, CL07, GL93, LWWX10, MZZ17, ROL19, VN21, WC24b]. **improvement** [CP94, CZ90, DDGN23, Kor95, MPPR22, dFN00]. **Improvements**

[MS86, Tan23, Gil10, WKN20]. **Improving** [Bal00, Dea11, Gen10, KS10, KP03b, Sal89, MM14]. **impulse** [CCS02, LS24c]. **impulses** [LFL14]. **impulsive** [ABRW18, BKM95, HW04, LSL11, LZL14]. **impulsively** [TOCV02]. **incidence** [WN12]. **including** [BBS11, BFH09, Cao98b, TS23]. **inclusion** [CP94, PH91, RTH23, SC22, TLGC22]. **inclusions** [Par14]. **incoherent** [CCP04]. **incompatible** [GO19, GO23]. **Incomplete** [Guo96, ZNK02, de 95a, BD85, BCSH16, Doi91, EVO06, Gu01, Not99, Phi91, RV05b, ST09b, SS10, XC20]. **incomplete-data** [RV05b]. **incompressible** [AD20b, An20, BRS05, BC01, BC04b, BBL02, BL08, Cai15, CHOR19, CH07, CHX13, CSXL14, CCZ22, DK20, DN13, DLM20, FD16, GM08, GHK16, Gat91, GNX19, Guo15, HJR22, HSS04, HS22, HH10b, HST14, KSMMM16, KLY05, KDK17, LD22, LR00, Min04, Mou03, QAMX17, QM19, RK91, SQ17, She96, SED21, TH18, TLV92, VG04, WWM22, YHT23, ZBD24, Zan91, ZOZ09, Zha14, ZYZJ24, ZGR23, ZS21a]. **inconsistent** [BW23b, Liu24]. **Incorporating** [Tom24]. **increases** [GT18, RAS99]. **Increasing** [DDNZ18, GMGF02, Wal90]. **Incremental** [CT93, Gar03, GGM07, FS19, Gar96, MM02c, Pou00, PB10, SW13, Che96]. **indefinite** [CK98, FL05, LMV17, LW18a, MBS23, SS99, Sha98, WM22, WL24, ZX22]. **independent** [CH95b, KP18, ST19]. **Index** [Ano00b, Ano00c, Ano00d, Ano00e, Ano01a, Ano01b, Ano01c, Ano01d, Ano02a, Ano02b, Ano02c, Ano02d, Ano02f, Ano03a, Ano03b, Ano03c, Ano03d, Ano04c, Ano04a, Ano04b, Ano04l, Ano05a, Ano05b, PSL18, An16, Ano92, AFS00, Arn93, AC96, BHSW20, CZ97, CCM02, ECB07, HGP11, HMT03a, HMT03b, Jay95, KKR15, MNSS22, Mur99b, Ost93, RA05, San02, Sch02, SG05, SBG09, Wen98, Wen05, WBCK02]. **index-** [AC96, CCM02, HGP11, Mur99b]. **index-1** [HMT03a, SG05, SBG09]. **index-2** [AFS00, BHSW20, HMT03b]. **index-3** [Wen98]. **Index-analysis** [PSL18]. **indexing** [MMBB07, TS08]. **indicator** [KMS10, RGB20, WG23a]. **indicators** [GMS12, Tan24]. **indices** [LS98, LD02]. **indifference** [GK22]. **indirect** [WZZ21]. **Induced** [BC02, BBD20, DDZK05, DRS19, KCJP01, SSvG10, WT17, XLK07, YT03]. **induction** [BGM+09, SC19]. **inductionless** [LD22]. **industrial** [BKP14, LDP+14]. **iNEOS** [GGNP02]. **Inequalities** [DR01, AK95, BNV06, BHR05, DSM11, DP21, GS21, GH20, IS23, JMDN+22, LLY11, MMP09, RTH23, SI20, TLQ21, TGV22, VA21, WH13, YXZL24, ZHJ14]. **inequality** [CXZ14, DHS05, Gwi09, Lot19, MG00]. **inequivalent** [KS10]. **Inertia** [For02, AC18, Ran20]. **Inertia-controlling** [For02]. **inertial** [IKR+22, IS22, JMDN+22, SI20, SLMD21, TLQ21, TLGC22, WH23]. **Inexact** [GH21, HFL13, Zha21a, dOF20, AMP20, BHSW16, BHSW20, CH22, CLL23, CMP23, GO18, HMW05, MBS23, PKSB10, SL09, THW19, WZ16, YH18, Zha97, ZP12]. **inexact-Newton** [WZ16]. **inf** [Che16]. **inf-sup** [Che16]. **infection** [MPV24]. **infiltration** [BDNV19]. **infinite** [AD08, DLS22, DT15, Dés08, EC07, Has13, KKP17, LRT99, RG20, jWyG08, jW15, Zhe07, ZR15]. **infinity** [By01, IMMS20]. **Inflow** [MOU14]. **Inflow-implicit** [MOU14]. **Inflow-implicit/outflow-explicit** [MOU14]. **Influence** [Win92, AQ00, BP95, SS02]. **information** [CMP23, KNP16, SA05]. **infrared** [SS16]. **Ingersoll** [AHT17, KL23b, WMC09]. **inherent** [AJ19]. **inherits** [CFLW22]. **inhibition** [GS15a]. **inhibitor** [ZZJ21]. **Inhomogeneous** [Gus88, CGN03, DE06, EVO06, Kur98, OS12, QL16, ST20, jW15]. **Initial** [Bic16, De 88, TOCV02, AB15, AMP03, AMCR17, AT93, Bac17a, Bac17b,

BY00, Bur93a, BT00, BC89c, Cah89, CL85, CHS19, Ehr08, EHM01, FW08, FD97, Fer93, GGM95, GO19, GO21, GO23, GH02, yGpY09, HHAA22, Hig93a, JR02, JCSR03, KHM+14, KOR18, KKW00, KW93, KK20c, KDS22, KDKW20, LW17, LS07a, LL21, LT93, LOM98, LYA+19, MS03, MS90, Muo23, Nap16, NNJ23, Odi19, OB20, RCGM98, SAG86, SWE05, XFLC00, ZJH18].
initial-boundary
[GH02, KK20c, LOM98, MS90].
Initial-Value
[De 88, Bac17a, Bac17b, CHS19].
initial/boundary [Fer93]. **initial/periodic** [HHAA22]. **initialization** [HdSRI17]. **initio** [DC21]. **Inner** [GCHR06, VVV24].
innovative [GS24]. **input** [Har10]. **inspired** [Yam23]. **instabilities** [Cul95]. **Instability** [CJV88, SD24b, CSS19, DG96, Lyn99, WT17]. **instance** [KSP10]. **Instantaneous** [CHK99]. **insulin** [MLK06]. **integer** [ACKV24, KS91, Mit22]. **integer-order** [ACKV24]. **integrable** [Ma24, NAF24].
Integral [AS21, BBLT15, CP09, HS21a, PGM86, AHJM19, ABH22, AL95, ADR17, All24, AHB20, AM10a, AAD14, AD18a, AD18b, AD19b, AFF+15, AS20c, Aze22, BKM19, BC02, BES18, BBCR22, BLM17a, DSM22, DLS22, BVB10, BVRB14, BRBB18, BGIW18, Bru97, BMM97b, Cah92, Cai09, CHLX07, CCP17, CDP17, Car23, CJ18, CL14, CHH15, CZHX19, CS09, Chi12, Chr01, CP17, CFM+24, CJ22, Cum95, DS21b, DD97, Dav98, DN21, DHWL22, Der92, DSK12, ER18, EH09, EHV19, EHV24, FS15, FMS18, Fer09, FL15, FV87, Fun04, GKA17, GGS16, HB02, HGP11, Han93, HP14, Heu00, Hey19, Hey20a, HA16, HDS20, HS23, HK85, HX11, Hu99, HLL09, HY24b, IV16, IRC12, Kan89, KX91, KO08, KME20, Kel85, KPR12b, KR18, LRS09, Lau17b, Li11, LW21b, Lia22, LD97, LKJ20].
integral [LM22a, LNZ12, LYC24, LRE04, MK20, MAHZ21, Mai09, Maj20, Maj14, MO17, MS19, MK21, Man96, Man97, MR20, MV17, Mie89, MSS21, MD10, MKJ23, Naj20, NDM20, Ngu15, NT16, NSD23, NLZB23, ORT24, Pan21, PR89, PP24, PTV20, PA18, Pis22, PS21, PRS23, Rab94, RG20, Ril92, RAOC18, SST12, SHL19, SN22, SV00, SVB17, SP22, SPYS24, SS16, SW85, TMD92, Tau09, TH23, TLSS09, WN12, WQ17, WTY21, WHW21, WW24, WWLS08, XL09a, XZH19, YT21, Zak20, ZAED21, ZL18b, ZHL22, dAF17, de 93a, CLR11, CDP12].
integral-algebraic [Pis22].
integral-differential [Chi12]. **integrals** [AA05, BCU00, BVB09, CPD+05, Che12a, CEW00, DN24, Eva94, EW97, EC07, Fat10, Fat12, Har00, Has09, Has13, Has20, Ioa89, Jad94, KM17, LG21, LMO24, LS16, LWWX10, Maj17a, Mot17, PCA10, SL01a, Sau00, Sid14, Sid23, Yam23, ZMY21, ZPT92].
integrand [CDR20, Tom24]. **integrands** [KCI03, VV05, XFG19]. **Integrated** [FM95, CM02, HLY22, SK91, WYY20].
Integrating [LCM24, AMCR17, FMMK01, GZQS23, LCM22, Par21, ZYQS21, ZYQS23].
Integration
[TM04, ABH14, ALMM01, AD08, ALM04, AD01a, AAD14, AM16b, BCF+13, BtTBV87, BDE22, BRBM08, BBKS07, BF95, But93, BJ98, CMP15, CH95a, CGP15, CL85, CBD16, CR04, DhW09, Den93, Die20, FS15, FW07, Fra04a, Fra04b, FWW+21, GMG04, GPHA16, GVSL96, GML00, GMGF02, GKA17, GQ08, GS21, HS02, Hai97, HOS99, HMdV03, Hig96, HMT03a, HMT03b, HLR01, JVZ95, JR00, JHGZ20, KGR08, KNT13, Leo10a, LD10, LZ20, LL23, LLT20b, Log04, LMG02, DLM16, DE18, MF99, MC17, MQ03, MAF20, MSA20, Naj20, OR20, PT23, SSV97, SA12a, ST19, Sim93, Ske99, Sol15, SvdHK94, SCT05, TMD92, TGB08, VV07, WK02, Xiu08, ZLX19, ZSZZ20, tV87].
integrations [LLT20a]. **integrator** [BCGI13, DL22b, ELLE02, FXY22, FHX22, Lei02, LZ18, Li22, LC24, Lub04, MD20b,

SS94a, TN16, WE99, XCHW22]. **integrators** [Ale03, BF99, BDF89, Bla01, BM06a, BP12b, BDE22, CO09, CLMSS98, CZ97, CY98, CDR20, EK06, LWL18, LZZ22, LW22, LW20b, LT19, Lua17, MQ00, MPG+16, Mur99a, Mur99b, PWS98, SWL20, SZ97, WWX13, YC13, ZZO16]. **integrity** [JP08a]. **integro** [AKM+21, AAL21, AB88, AAH21, ABF09, AKS21, ADH00, AV00, BF92a, BT97a, BMGGG12, BGGG13, Bho12, Bog20, BP92, BMM97a, CGEV19, CNA23, CZ12, CP03b, DLPV17, DCY20, DAMA23, EH97, FK23, FID18a, FH22, Gan96, GS99a, GMG19, Gu19, GAOB20, HM87, HZBM05, HS19a, HCY18, JRW06, KPY15, Kau95, Kür23, LZQ22, LP24, LWY20, MAH18, MHA19, MKN23, MMRV20, Mit22, MFAD23, Mok17, NLS20, PT11, PTV16, PTV20, Pot97, QWX20, QXG21, ROB17, RSR23, RN22, SS08a, SOB20, SD13b, SDG20, tSqWyG16, SCvdH92, SSPZ20, Tan93, TX18, WH19b, WLM21, WCM21, WZ22, WC14, WHL19, YS22, ZH09, Zha20a, ZD20, Zha20b, ZYX20, vS97]. **integro-differential** [AKM+21, AAL21, AB88, AAH21, ABF09, AKS21, ADH00, AV00, BT97a, BMGGG12, BGGG13, Bho12, BP92, BMM97a, CNA23, CZ12, CP03b, DLPV17, DCY20, DAMA23, EH97, FK23, FID18a, FH22, Gan96, GMG19, Gu19, GAOB20, HM87, HZBM05, HS19a, HCY18, JRW06, KPY15, Kau95, Kür23, LZQ22, LP24, LWY20, MAH18, MHA19, MKN23, MMRV20, Mit22, MFAD23, Mok17, NLS20, PT11, PTV16, PTV20, Pot97, QWX20, QXG21, ROB17, RSR23, RN22, SS08a, SOB20, SD13b, SDG20, tSqWyG16, SCvdH92, SSPZ20, Tan93, TX18, WH19b, WLM21, WCM21, WZ22, WC14, WHL19, YS22, Zha20a, ZD20, Zha20b, vS97]. **integro-elliptic** [Bog20]. **integrodifferential** [Kau93, Vab22, VSG17, Wan01]. **integrodifferential-algebraic** [Kau93]. **intensity** [CC23b]. **inter** [Rob10]. **inter-element** [Rob10]. **Interacting** [SR88b, MT05]. **interaction** [AK21, Aso21, BSP04, EZ03, GMM09, GÖS20, GS18, LGS21, RDH+12, Sal93, Sod91, Tow16, XLK07, vBvdZdB08]. **interactions** [BGG+21, CBD16, DL21a, GT19a, Nes16, WJW19]. **interactive** [GGNP02]. **interconnecting** [Pec09]. **interdisciplinary** [BRW21]. **interdomain** [Dor91]. **interest** [KGR08, Mar09]. **Interface** [Aso21, PGM86, RTV00, ABG+15, BSZ22, CES91, CYWH22, Chn17, Dav92, DS21c, Dek17, GMS12, HLZ14, HD22, HSY18, JCL18, JV09, KL21, KV07, Li98, LMWZ10, LX21, LS24b, LAH09, MAG13, NMB10, PAP17, PH15, RS20, RTV02, SSV89, Sch16b, SJ11, SD09, SZL18, SW20b, WCSQ18, WZ19, XZT21, XGHM22, YCWH23, ZSY20, ZKO+21, ZCC11]. **interfaces** [AEMX17, FL04, FMW05, FM07, FMU15, KS07, ZLW20b]. **interfacial** [EAS12, ZQLK11]. **Intergrid** [Osw97, Kan04]. **Interior** [AD20a, EKT19, LO95, AD99, BSGU94, Bec18, BH97, Car09b, CR23a, EB12, HC01, Ius97, Jia02, LHHR94, LSY21, MOSW00, OQ15, QL15, SZQH23, XZZL15, YZ17, YZH19b, ZL18a, Zha07, Hop23]. **interior-exterior** [EB12]. **interior-point** [AD99, XZZL15, YZH19b, Zha07]. **Interlacing** [DJM09, JT09, TJK18]. **Intermediate** [Lai09, SHG86, VA21]. **internal** [CRR03, Mur19, NC16, Rus95, TT20, VS91]. **Internality** [DRS19]. **International** [CFTW08, LST07, MH89, FJ97]. **interpolant** [Ber86, KHLV22]. **interpolants** [ABH22, BY22, BES18, BFK11, BS92, CHS17, LMS09, MST07, NLZB23, SST12, SST09, SST15]. **interpolated** [QPT23]. **interpolating** [AD19a, AD20b, CJV88, DA19, DF92, KP03a, KPR12a, SWCH15, WT93].

Interpolation [AM16a, BG06, Dés08, Moo04, Spe12, AA04, AG05a, AMR12, AN15, ABY22, BMGM12, Bar12, BRIP08, BGS06, BH12a, BS00a, BCJ97, BS09, BB10, BO11, BG11c, Bre02a, BMM97a, CDD00, CDD+17, CGGM17, DMPP99, Dol14, DR93, ECHF+20, FM11, Fra14, FWW+21, GS19, GGR97, GJ17, HB02, Iva07, KV20, Kid90b, KP01, LY10, LPV24, OT21, PD96, Pla08, PB10, RL86, Rus95, SE93, SJ18, SL17, VBD93, VZ93, WW05, ZL11a, ZY14, ZL18a, ZHL08, Zup04, de 92a, Boy15, FMS24, OR18]. **interpolations** [CZS04]. **interpolatory** [DBCBPP10, Fid17, GS05, BDMGVO05]. **interpretation** [Bot97]. **Interval** [Sch87, Ben02, Boy15, DBCBPP10, DMH18, GPP04, KKP17, LZ13, Mar99a, MT94, NN20, Sch89, TD09, BO11]. **intervals** [DLS22, BDMGVO05, RG20, Tar98]. **interwoven** [SSA24]. **intracellular** [NRWF08]. **intrinsic** [PWY21]. **Introducing** [RA17]. **Introduction** [BKM05, CFS94, Had13, LP93, Sal91, But97, CDG19, Wen10a]. **intrusion** [AMRR18, MNR14]. **invariance** [BLP01]. **Invariant** [HL99, AB10b, BHJJ06, BC97a, CGW20, DB95, ERS00, GSR00, LMW23, Moo95a, Tru00, WD22]. **invariants** [HXW15, Rei99, SMB23]. **invasion** [MPSS16]. **Inverse** [FOMC05, IT16, LLT20a, Per88, Tah96, YD07, AS21, BT99, BG24, BLY16, BG02b, CR05, CYYH21, CR23b, CD18, CPOGO17, FBS09, Hab08, HS21a, HILK13, Huc99, JLZ20, JM94, KJL12, KNP16, KKN+17, KCW16, KRBK16, KK02, LM21, LN24, LYY15, LDH+24, MG00, MN03, Mat05, Men23, MCM12, QC12, QL15, ST09a, ST09b, SPS20, Saz24, SLJ11, pSLqJcY16, SHLY19, SJ18, Shi20, TL07, TK05, WZ02, WL09c, WL16, WW14, XC85, YJZ18, YD22, YLW20a, YY24, Zha00, ZW19b]. **inverse-free** [CYYH21]. **inverses** [Kos02, MNSS22]. **inversion** [Che88, CZ90, DSK12, Gem23, LFP04, Moo95c, Per99, VA05, vI87]. **inverted** [KKN+17]. **invertibility** [WKN20]. **Invertible** [CRS05, RU21]. **Investigation** [AD20b, AFIS24, Chr01, EZ03, Liu97, MDASAO21, Pot97]. **investigations** [AD19a, CSS19, KOS21]. **inviscid** [Mou03, Tow16]. **Invited** [Ano05f, Ano02e]. **involution** [Sei02]. **involving** [CFRA08, CF13c, MV18, NYPW21, TLQ21, ZJLA22]. **ion** [PS00, RGK21]. **ion-drag** [RGK21]. **IPDG** [BS14b]. **IPDG-FEM** [BS14b]. **iPSC** [BRSD91, de 93a]. **iPSC/2** [BRSD91]. **IRK** [LQS21]. **IRK-WSGD** [LQS21]. **iron** [BMP05]. **irrational** [MG22]. **irreducibility** [AHA23]. **irregular** [AY22, APJ09, AEN22, BW95, DT10, DP90, Eva94, EW97, DLM16, PM14, Vic87b]. **irregularly** [Sau00]. **irrotational** [Fan19]. **ISLIM** [Lo06]. **Isogeometric** [CGMS21, HM22, GV18, ADSS17, ZP24]. **isolines** [BS00a]. **isometric** [Chu03, Gar05]. **Isoparametric** [JT06a, PT23, LL02]. **isospectral** [CIZ96, LP97]. **Isothermal** [DdCVR03]. **isotherms** [DMM24b]. **Issue** [BGHR12, BGH+15, CHM09, FFMZ13, ADG+16, CD95, DLN+24, DGCW17, HKNV16, KP07, LST07, SSV97]. **Issues** [TÖR22, BF09, DS23, LMV17, Sid10]. **Itô** [DR09a, DR09b, MEGW23, SHL19]. **Itô-Volterra** [SHL19]. **Italy** [RI02]. **iterate** [ST09a]. **Iterated** [LNZ12, YXN21, Bic16, BCC16, Bic21, BDFV95, Buc17, CM07, CX08, DVV93, MZK05]. **iterates** [Bog12]. **Iteration** [BMSZ21, Bad20, BY09, BLY16, CKB13, CDW19, CLLM21, DS21d, ELvdHS98, Gil88, GRLL01, GJlL23, Gug05, HV22, HL02b, Jia00, KM21, LYC24, LXCM21, Mat05, ST09a, ST09b, SW95b, SD22b, Spi95, TWH21, WPL16, XY24, Zha01, vS93, vdSvdH95, Ney95]. **iterations** [BSvdV99, BBLT15, DB95, DSS15, EH09, JKN94, Lab99, LLV18, Phi87, TT20].

Iterative [Bea04, BNKR20, BG24, CFTW08, GPMR95, HGM+21, HHL23, JP19, JGK11, MP05, Mar03, SD24a, SS13a, SL01b, TSB10, WS21, dH95, AC98, AGJ12, AHR12, AG05b, BRTB19, Bog16, Bog20, BRBB18, Cao98a, Cao98b, Cao01, CH01, CGPT19, Cui04, DS20, DE16, DL22a, DP90, DZW24, Eij95, Ein18, ESE20, FL05, FLMR14, GH91, GM18, GK09, GT02, HHAA22, HS22, HvdHV10, HW97, IT07, JY20, JD09, Kim94, Kim95, KF97, Kin94, KYC03, KSSS16, Kru99, KCB02, KR20, KYI17, LPT16, LZ13, LWD+09, LGS21, Li23, LAZ20, LR00, LR20b, MA09, MRV93, Mar99a, Mit24a, MDASAO21, Mon21, Nak05, NH24, NTT22, NH15, OMP98, Pea16, PM03, PT95, RV05b, RSK14, SW95a, SMTHE22b, SMTHE22a, SHL19, ST11, Saz24, SH02, SH10, SVB17, SW03, SFZ21, TK05, TWD23]. **iterative** [TH23, VMP03, Wan96, Wan07b, WL09b, WWS07, WYP12, WSC21, XXQ17, YG95, YHT23, YR92, YXB95, YH07, ZC91, vSK97]. **iteratively** [GZW22, HSY18]. **IVPs** [BP12b, CM07, CX08, GM95, Jac96, JN02, SS09].

J [BtTBV87]. **Jacobi** [BGS06, FLS94, For11, RF16, AGZD22, AM16a, BP02, BL06, CGT13, CXNF14, CFS13, CY05, DMR10, DB08, DBBH14, Gen10, yGqWsWC05, GH07, GSW09, HGP11, HHYD20, Has20, HY24b, JZZH22, KHYY21, LHS00, MB20, MCS16, Mit22, Mok17, NLS20, RN22, SM13, Sti03, The17, YZH24, hYqW12, YWSL20, YXZ18, ZDM18, ZHS22, ZLW22]. **Jacobi-spherical** [GH07]. **Jacobi-type** [Has20]. **Jacobi-weighted** [AM16a]. **Jacobian** [CZ97, CS24, GHW01, KCW16, NNJ23, SY05, WGB99, ZWFX22]. **Jacobian-free** [CS24, NNJ23]. **Jacobians** [KCJP01]. **Jameson** [Ano87a]. **January** [BGHR12, Ano22u, Ano23s, Ano24h]. **Jeffery** [AI19]. **jet** [AHS03, KHA12]. **joint** [DNW18, JY20]. **jointly** [PTW19]. **joints** [MMP02b]. **Jordan** [GY94]. **Joseph** [BSZ22]. **Joule** [YJ23]. **JS** [Tan23]. **July** [Ano21t, Ano22o, Ano23n, Ano24l]. **Jump** [CGEV19, AG05a, BAD13, Bi20, CF08, DS23, GT19b, HFL13, JD09, KKT16, KP18, Kał22, KS07, MHL18, RS20, ST11, ST14a, SB19, SW20b]. **Jump-diffusion** [CGEV19, BAD13, Bi20, GT19b, KKT16, KP18, Kał22, ST11, ST14a]. **jumping** [MII13]. **jumps** [AO05, DMS23, KK11, LL15, MDD14, Moo04, RP17, RT20, WG10]. **June** [Ano22p, Ano23o].

Kaas [AB17, MEGW23]. **Kac** [SND21]. **Kacanov** [GMZ11, HJS97]. **Kaczmarz** [BW23a, BW23b, LG19, Liu24, LHT20, TWD23, Yan21b]. **Kaczmarz-type** [BW23a]. **Kahan** [SS94a]. **Kalandiya** [JK20]. **Kalman** [BGM19, KK17, KK20b, KK22b, TZ00]. **Kantorovich** [SL09]. **Kantorovich-type** [SL09]. **Kármán** [Hop23]. **Kaup** [NAF24]. **Kawahara** [Geb24]. **KCE** [VK17]. **KdV** [Car19, CCST22, EEE22, FvdMS20, GD22, HAN23, JPP19, KSHB21, Nak24, PWY21, WDU21]. **KdV-type** [Car19, EEE22]. **Keller** [DvHM19]. **Kellogg** [VN21]. **Kelvin** [DYF23]. **Kepler** [Boy07]. **Kernel** [FRV11, ZRA23, AD21, ABdSG23, AEN22, BLM17a, Boh21, BZ94b, CDD00, CDD+17, Che12a, DCY20, FK23, Has13, KXK92, KAS22, KSHB21, KZ21, LLKJ21, LW21b, LWW22, Lia22, LD97, MAHZ21, Mir20, MP15, MHL18, MDASAO21, NSD23, QXG21, SAA20, Sch08a, SKR+16, SPYS24, TMD92, Tan93, TY03, VSG17, XZH19, XZT21, ZD20]. **kernel-based** [AEN22, CDD+17, MHL18, Sch08a]. **kernels** [Cai24, CHLX07, CNA23, CL14, GMG19, GNZ21, KR18, LNZ12, Maj14, MO17, MAD23, OB24, PT11, Vab22, WTY21, WCM21, YT21]. **Kerr** [DTQ+20]. **kind** [All24, AHB20, AD18a, AAEMY21, Aze22,

BKM19, BG24, BHR05, Bru97, Cai24, CHH15, CS09, DS21b, DN21, Fer09, Gwi09, HDS20, HLL09, Kan89, KX91, KM19, KCY19, LW21b, Lia22, LNZ12, Man97, Mie89, MKJ23, NDM20, NSD23, Pan21, PP24, RG20, Set24, SV00, SDG20, TH23, WH13, WW24, XL09a, Xu16, ZL18b, ZLX19]. **Kinetic** [LMPS19, Ale11, FJP17, KW95, RA03, RGMO19, WTB24, VK17]. **kinetics** [BLRGVR23, DS02, PM05]. **Kirchhoff** [Wei18, YLY19]. **Klein** [CC19, CH89, DL22b, FCW20, HZ09, HMN20, KCY19, LSWM19, LYA+19, Lyn99, MD20a, MMDH19, MMD20, MMDS21, RV22, WW19, WDH20, WCJ23, WG23b, XWZ21, YZQ+22]. **Klibanov** [NK24a]. **knots** [GZZ19]. **known** [ADNR21]. **Koiter** [SYL+20]. **Kolgan** [VCC12]. **Kolgan-type** [VCC12]. **Kolmogorov** [BFdO07, AMH24, LZ18, LXZS22, MSZ+24, QNA23]. **Koren** [Hol01]. **Korteweg** [HY24a, AM04, Bas21, BDKM92, BR97, FWL18, Isk89, KS22, WH19a]. **Korteweg-de** [HY24a, Bas21]. **KPP** [CMMR23]. **Krein** [KKN+13]. **Kreiss** [AK95]. **Krylov** [HH10b, ABR23, Bai02, BBLT15, CM97, EAV16, Fac03, GTS20, EEJB22, LS99a, LWZ22, MS99a, MN08, PR12, PWS98, RSY12, RU21, SW98, Sim10, SSX14, SS12, Wal95, WSP97, Wei95, Wen05, ZGL98, ZFC20]. **Krylov-ROW** [Wen05]. **Krylov-subspace** [BBLT15]. **Kuntzmann** [VS94]. **Kuramoto** [AS04, KK23, LO23, Mar93, MDA24]. **Kurchatov** [CGTTN24]. **Kutt** [Ioa89]. **Kutta** [AMCM08, BDP99, BC08a, BCR01, BCET22, But97, CH95b, CG13, CSLY19, CPR93, DM11b, GMG04, GML00, Hoa15, Lab98, LW17, LW19b, LS05, MEGW23, Mur98, Pat98, Pat00, Som93, VDVV98, VV02, vSC92, AH11, AHJM19, AJ19, AHJ+23, AM95a, AB17, Alb96, AMP03, AH17, Ant23, ARS97, AFK92, BMQW16, BDGP96, BT97a, BJ05, BZ93, BV96, Bel97, Ben96, BG02a, BS92, Bos09, Bot97, BJ11, Bru93, BJ03, BB96, BB98, But96, BS96b, BW96b, BC97b, BT97d, BC00b, BSW93, BS02, CMR94, CH95b, CIZ96, CdFN01, CG05, CCG13, CV95, Cas96, Cha96, CCM02, CCS17a, CS03, CGS20, Coo89, CST97, CN11, DIJ12, De 88, DVV93, DS05, DR09a, DR09b, Dia95, Duj09, Eir95, EH97, Ere19, FMS24, FS05, FS08, FJL21, Fra04a, GHW20, GZQS23, GCHR06]. **Kutta** [Gar10, GJ00, GPMR95, GPMPR03, GPHAM12, HZ96, Hig96, Hig97, HR06, HS09a, HO05, HXW15, HHW18, Hor98, Hor05, HEJ96, IRC12, IJ17b, Jac93, JVZ96, JVZ97, JKN94, Jay95, Kau93, Kau95, KCL00, KC03, KC19a, KC19b, KMG09, KS08, KW98, Kom07, KM18, KS89, KS09c, KKR15, KNO96, LX08, LLZ+22, LP97, LO96, MK99, NS21a, NS20, Ore93, Ost93, OT02, Pan07, PCR17, PJB04, PAJ12, PCRR17, Ran16, SA21, ST89, Sch02, Som86, Spi96, Tsi01, Van00, VZ93, Ver96a, Ver06, Ver96b, WGKS12, WYL11, WHL19, WSW96, WBCK02, WX06, XG22, YBW20, YC13, Zen93, ZZL01, ZJ19b, ZYQS21, ZFX17, ZZX20, ZSQ20, ZSQ21, ZC99, in 92, in 96, vS93, vC93, vS96, van96, vdSvdH95, vB95]. **Kutta-like** [PCR17, WX06].

l [YP18a, CGG02, CD18]. **L-BFGS** [CD18]. **L-curve** [CGG02]. **L1** [CCST22, HZ20, HLY22, WCM21, WYY20]. **L1-ADI** [WCM21]. **lacunary** [Mat91]. **lag** [BCFQ19, BCFQ21, KV95, SS09]. **lagged** [MG18]. **Lagoon** [RI02, BDES12]. **Lagrange** [OR18, AAL21, ABG+15, BGG04, BNV06, BCGI13, CN17, HLZ06, KwS19, LH02, PAP17, PP92, SW20b, ZYH23]. **Lagrange-collocation** [CN17]. **Lagrange-spectral** [AAL21]. **Lagrangian** [AL05, BB15, BC08a, Bou02, CFX08, CF13a, CBHM19, FVGS13, KCC04, MZZ17, PP00, RVD00, Sea09, WL10]. **Laguerre** [AT15, BMPR15, Fun90, yGyZ07, JCN94,

Kza99, Ter22, jWyG08, YWW23]. **lake** [TK19]. **Lambda** [Leo10a]. **Laminar** [hYK86, AHS03, Kar89]. **laminate** [GP01]. **laminated** [FSB97]. **Lanczos** [BRRS15, BS93, EJS04, FW22, FN95, JP93, Khe91, KBG04, RG02, YR09]. **Lanczos-type** [BS93, RG02]. **Landau** [BS06, CWX21, HAR21, LHW17, LWW23, SL20, YJ21]. **Landmark** [LWCT07]. **Lane** [ER18, AY21, DSAB20, Güm20, IB24, RTA19, SSC23]. **Langmuir** [DMM24b]. **language** [EE20, PSB91]. **Laplace** [BSGU94, BF15, Bie12, BDN+97, EVO06, HvdHV10, KvyS15, Lau17a, LLHC17, LC20, LFP04, Moo95c, VA05, ZLCH20, vI87]. **Laplacian** [AK00, ABD24, ADM22, CCdlH20, CF18, FVGS13, JL24, LZJ21, MZM20, MAD23, PK21, SN04, XW19, ZJLA22]. **Laplacians** [Lyn92]. **Large** [BDD+20, Dat99a, Lyn99, ND85, PS03, WVBM88, van95, ARY23, AB10b, AB07, Bai02, BHL+21, BW23b, BC99, BLW07, BNH01, BHSW16, BHSW20, BT02, BJ11, Buc99, CLL23, CR23b, DW15, Ewi91, FTB97, FBM17, FS24, GS17, Gen10, GT02, Hab08, HLT07, Hey10, IKR+22, Jac96, Jia00, Jia02, JY20, KM21, KS07, KW95, KM11, KK20c, LCVG01, LP05, LS13, LW92b, LCJQ12, LS24a, Mat86, Mur19, NNJ23, NMSF94, Pea16, Per99, RS08b, SDK24, SEGV02, SM89, TYKK01b, Toc01, Wan23, WSP97, Yam23, Yan21b, YR92, YLH20, ZNK02, ZG20, ZD21]. **large-amplitude** [Mur19]. **Large-Scale** [WVBM88, BDD+20, Dat99a, AB10b, Bai02, BHL+21, BHSW16, BHSW20, BT02, BJ11, CLL23, CR23b, DW15, Ewi91, FTB97, FBM17, GT02, IKR+22, LCJQ12, SM89, Toc01, Wan23, YLH20, ZD21]. **larger** [MBS23]. **Laslett** [RMCG04]. **Lasso** [AC23]. **latency** [GR93]. **latent** [TS08]. **lattice** [BT19, EK06, Lai09, MDA24, MKS12, Nak24, VVR08, ZAB15, LLL08]. **lattices** [AHGM21, ABD16]. **Laurent** [BDMGVO05, Njå88]. **law** [CCL22, KPRU20, NYPW21, RMCG04, RB12, SPYS24]. **laws** [AM09, AKG14, Aff94, Bac14, BMGM12, BJ02, BTP96, BFA93, BDF94, BM12b, Bor16, BGP11, BGS02, CSW19, CH15, Dav92, DF96, DGRS09, EK96, FL01b, GZZ19, GT00, GBBC+23, GJ17, HSS07, HWCF15, KHM+19, KS09b, KXR+04, KR12, KLSW06, LPR00a, LPR00b, Luo18, Mon21, PGDB08, Pel20, RGB20, Tan01, TDW23, TJ12, XF06, Ye04]. **Lawson** [AMCR17]. **Lax** [Ano87a, De 88, LVW21]. **Layer** [ÜSHT03, Bec18, DRVA20, DS97b, DK14, FM11, GGN12, GD22, GD23b, Jun06, KDT17, KL21, KC94, KTYY24, Lin01, Mat09, MOSW00, OQ15, PNA21, Sod91, ST08, ZFW20]. **layer-adapted** [FM11, Lin01, Mat09]. **layered** [IT07]. **layers** [AG98, BBV13, Bog00, CR23a, EH91, FLR08, HO24b, KOW05, LBCN00, MOS02, MS91, OS08, Pet00, TY98, Ye04, ZTZ15, ZMC13]. **LBB** [Aso21, BM12a, Dob05]. **LBB-stable** [Aso21]. **LDG** [Cas06, AC15, CR23a, MFAD23, SRK22, WC24b]. **LDG-FEM** [CR23a]. **leading** [AB15, GS17, OK98]. **Lean** [SA08]. **leap** [TH18]. **leap-frog** [TH18]. **Leapfrog** [NH15]. **learned** [CDI+24]. **learning** [HGM+21, KSP10, WTB24, Xu23]. **Least** [BM04b, CCL22, CF86, CCLT10, KR10, MH16b, PS02, ZSJ04, AN15, AD01b, AD19b, BLS+17, BB94, Ben02, CP07, CZ04, CC20b, DCY20, yDqGnJT09, DZW24, HP85, Han87, HS17, Hua19, KN19, KS02, KLY05, KS09a, LG21, LV12, Li11, Li16, LSY17, LW18a, LJYS20, LCZ21, LLW22, MOS12, MS08a, MSS21, MD23a, MD20c, MD21, MD23b, Mon09, Mou03, NZY21, PS03, PR22, Ren13, SD13a, SLJ86, SWCH15, WM22, XZT21, YK04a, Yua93, ZG20, Zha07, Zup03]. **least-square** [Li16]. **Least-squares** [CCL22, CCLT10, KR10, MH16b, CZ04,

yDqGnJT09, Han87, KS02, KS09a, MOS12, MS08a, Mon09, Mou03, PR22, SWCH15, XZT21, Yua93, ZG20]. **Lectures** [Ano05f, Ano02e]. **Leffler** [ABdSG23, Boh21, KZ21, OB24]. **left** [SY05]. **leg** [Hua00, WZL08, Wan17a, ZH09]. **Legendre** [AKM+21, AY21, AyLqW18, AA22, An16, DSAB20, DKL24, FMS24, GeO24, yGpY09, HAA21, HCGW22, IB24, KME20, LM21, LIPT18, MQO17, NLS20, OL18, Pan21, PP24, Pis22, Pło22, QM20, RE19, SLW17, SW07, SBS+20, gTpM07, jWyG08, jWqW09, WW24, WC14, XZZ19, YLW21, YRV21a, ZH21, ZMY21, ZZJ21]. **Legendre-tau-Galerkin** [QM20]. **lemma** [DLM05]. **lemniscates** [FH04]. **length** [SH91]. **Lepp** [Riv09, RRMJ12]. **Lepp-bisection** [Riv09, RRMJ12]. **Leray** [LRS23]. **Letnikov** [CHS19]. **Level** [KM11, BvG19, BSV21, BIO24, CCS17b, DdSF07, DLP06, FM07, FMU15, GKL07, HL02b, HFL12, Hua17, Joh01, KM19, KL09, KK22a, Kuz90, LA11, LCS19, LXZS22, LYC24, Nak05, PSB91, PXHZ20, PH15, PRS20, QM19, TL07, Tob14, ZOZ09, ZS21b, ZWL11]. **level-block** [BSV21]. **level-dependent** [CCS17b]. **level-set** [PH15]. **level-set/moving-mesh** [PH15]. **levels** [LYA+19]. **Levin** [LWWX10, PCA10]. **Levy** [LCZ23, ZO14]. **Liao** [YFLX20]. **library** [AV96, Eij95, SW95a, Tou97]. **LIDAR** [BH20, HB20]. **Lidstone** [CD05]. **Lie** [WGKS12, WC02, YF24]. **Lie-group** [YF24]. **Lifshitz** [BS06, CWX21, YJ21]. **lifting** [MB08]. **light** [Boh03, Den07, FGP23, GV04]. **light-triggered** [FGP23]. **like** [CJL13, DS21d, DSS20, GO18, IKM23, Li01b, LCM22, LCM24, Man97, Mur15, Par14, PCR17, SOB20, SLJ11, SW13, SH21a, TY98, WT17, WX06, Zha21a, ZZW97, JKN94, LN21, van95]. **Limit** [Gil88, AGK24, Jac88, Lem88, MW24]. **limitations** [CCM17]. **limited** [BKAG22, SM13]. **limited-memory** [BKAG22]. **limiter** [DSZ15b, DSZ15a]. **limiters** [MS08a, YR22, ZQLK11, ZSQ20, ZSQ21]. **Limiting** [BM04c, BR20, ID19, KXR+04, Sim94a, ZBD24]. **Lindsay** [CA15]. **Line** [BGIW18, HP15, Rei85, AHO16, CH22, DS24, DL22a, HMY19, HY24a, KS22, Kür23, LLJY20, MD23a, SXP09, WZ16, jWjJ17, jWC22, YLW20b, ZH15, ZP12]. **Linear** [CSS19, HV89, KK02, MS91, Pło22, TZA13, XWZ21, AC98, AH11, AJ19, AS13, AAL21, AW14, AK00, Alb96, AMC02, AMP03, AMCM08, AMCR17, AT13, AL24, Ara99, AR15, Arn98, AES13, AGKK94, AC16, AAEMY21, Bac21b, BHL+21, BW23b, BHB23, BF01, BBG14, BF17, BK06, BBD20, BB24, BG24, BGM19, BM04c, BM06a, BP12b, DLS22, BRBB18, BCJW17, BCJP18, BJ20, BIJ23, BS93, BM09, Bru92, BCSH16, Buc04, BS12, BH97, BJ06, BS18, BRW17, BWEP95, But85, BC95, BJ96, BS00b, BW03, BP06b, BD17, CGS19, CIJ17, CRS05, Cao98b, Car09b, CL85, CDI91, CHX13, CZY18, CLLM21, CYWH22, CG16, Cve02, DMS23, DB97, DS05, DHWL22, DN13, DJM09, Eij95, EJS04, EG88, Fac03, FM21, FHK05, DSV13, FH08, FMGN94, FG09, FHV97, GMZ11]. **linear** [GHK16, Gas92, GNNR19, GMG19, GD09, GGM07, GS09, GHT05, GFPG18, GCZZ23, Güm20, Guo96, HM21, Han87, HVY91, HS19a, HH10a, HP91, HA16, HCY18, HL24, Hua98, HCX03, HH18, HS21b, HY24b, HMW05, HT94, IO18, IJ17a, JQSC22, KPY15, KM21, KZ13, KP03b, KCB02, KLSW06, Lem02, Lev91a, Li05, LSK12, LYF17, LLV18, LCS19, LWW22, LB23, LAZ20, LC99, LKJ20, lLNW21, LWZ22, LS99b, LW92b, LLL12, LYK17, LW20b, LJYS20, LL20b, LC21, LCZ21, LMW23, LSW23, Liu24, LMG02, LD02, LRT99, MAH18, MHA19, MOS12, ML16, MSGM23, Mar08, MF99, MP98, MMDS21, Mär95,

MS90, MST09, MH04, MVG14, Mit24b, MG22, Mon21, MAH22, MRH14, Mot17, MT20, Nap16, NRZR12, ONL89, Odi19, Ort20, OKS10, OTK04, PGA93, PK23, PGS10, PTV20, Pic05, Pir09, Pło23, PT95]. **linear** [PJB04, Por17, QH22, QL16, RA05, RC18, RU21, Rum87, SRK21, San20, SS99, Sch12, SH02, SEGV02, SI20, SZY21, SWY+23, SWW16, SL21, SD22b, Sid90, ST20, SS13a, SvdHN86, SW03, SSX14, Spi95, Spi13, SS09, Su94, TDPU17, VMP03, WL09c, WW19, WT20, WWZJ22, WKN20, WWS07, XFLC00, YG95, YLY19, Yan21b, YR92, YZH19b, Yüz22, Zen21, ZXYW22, ZNK02, ZG20, Zha21a, ZR21, ZD21, ZHL22, ZFS24, Zha07, ZP97, ZC99, Zla85a, dH95, in 02]. **linearised** [HS22, OQ15]. **linearization** [AÁ21, Aro96, BCS17, HCW16, NNJ23]. **linearizations** [Mär95]. **Linearized** [CXZ14, UHUL21, BG11b, BIO24, BP85, BCV21, CHP19, CCST22, DG10, DJ10, FWL18, GWLN22, HN03, KM16, LSWM19, LLW20, PXHZ20, SL20, WH23, WLY24, YJ21, Zha19b, ZQZ23]. **Linearly** [Bru93, CdFN01, CG05, ELCWS98, JKW12, PWS06, SGR21, WWM22, BJ06, BSW93, DK20, DW21, EM05b, FCW21, GHW20, GLPW09, lLX22, PHY19, SMB23, SMEN04, SGY22, WSW96, XWW19, YZC21, ZW24]. **Linearly-implicit** [Bru93, PWS06, BSW93, SMEN04, WSW96, XWW19]. **Lines** [FG96, BL15, BDNV19, BDF89, BW96a, BCJ97, HT94, PSL18, Tah96, TT03]. **link** [MS08a]. **linked** [Car19]. **LINSOL** [HSW99, HS02, SH02]. **Lions** [LRS23]. **Liouville** [AGM09, Con99, DCJ20, Ghe97, Gu20, Hey20b, LZCF21, LR20b, Pru00, SL15, SND19, VVD95]. **Lipschitz** [BSTT22, LS10, LSWW22, Mat86, RA09, TLQ21, WG22, ZM17, Zha20a, Zha20b]. **Lipschitzian** [WZ14]. **liquid** [BSP04, CPY20, FMW18, TK19, WaZW23]. **liquid-structure** [BSP04]. **liquidity** [GK22]. **Lissajous** [BDV17]. **List** [Ano02e]. **Load** [dDF+94, Chr96, DBH+05, FLÖ+97, RN04]. **load-balancing** [Chr96]. **loading** [CS09, Che12b, Fai00]. **Lobatto** [OL18, BGVHN10, FMS24, KK09b, SLW17, Wel10a]. **Local** [ASA20, AGQ+24, BE99, CCST22, DM09a, Eis86, HAC22, KL09, LS07b, Mat09, MS13, NNJ23, NWL+22, PC00, RS09, Sim94a, uIVS13, Tro93, WWLL23, XHJM21, AJ24a, AS20a, ACMR06, AMR14, Ang06, ABM17, AF89, AD18b, AD19b, Bac17c, Bac18, Bac19, Bac21b, BDSG09, BBRBS09, BS20a, BMV06, Bus06, DDHS97, DF11, DJL04, FSB97, Fre91, GG22, GP98, HH98, Han06, HD04, HL08, HJL18, HS23, HAY20, JD09, KDT17, LCHR03, LL15, LH09, LW19a, LW20a, LMP99, MB08, MVVA09a, MFAD23, MMP20, Mus11, NS21a, PK21, RP17, RGL16, Roo20, SRK21, SG00, Sti03, Tan24, Tob14, VT93, YH18, Yua20, ZZPJ23, Zup04, Cas06]. **Localization** [Sza94]. **Localized** [MHL18, Boy15, CNA23, Cha17, NT20, Wal19]. **Locally** [GKMS09, BSGU94, BSTT22, DN13, EL94, FJ09, HMP14, HN22, Ise02, Kim07, RZ00, Zha14, ZM17]. **locally-refined** [Zha14]. **Location** [EHV24, ABI22, CHR03, LM22b, Rya00]. **locations** [AGY08]. **locking** [DN13, LB23]. **locking-free** [DN13, LB23]. **locomotion** [Ran20]. **Loewner** [ACKV24]. **log** [CXZ15]. **log-stable** [CXZ15]. **logarithm** [CKL03, CL06, Lu98b]. **Logarithmic** [ZHS22, CG21, GJLL20, KM17, LZH19, LRT99, MD19a, SPYS24, TMD92, TM24, XLKY19, YZQ+22, YLY19]. **logarithmic-power-law** [SPYS24]. **logarithms** [DMPP99]. **logic** [PGC01]. **logically** [HS97]. **logistic** [KF97]. **Long** [CD20a, Mur19, RTT01, TK19, WWL21, WXY24, ZFW20, AD01a, CH95a, CFRA08, CBD16, DMS23, DL22b, EH88, FXY22, IK24, JZS20, JQSC22, LO96, MPV24,

XXF22, YZG23, ZLG24]. **Long-term** [CD20a, CH95a]. **Long-time** [RTT01, WXY24, DL22b, FXY22, LO96, MPV24]. **long-wave** [IK24, JQSC22, YZG23, ZLG24]. **longest** [PPS05]. **longest-edge** [PPS05]. **look** [Bot97]. **Loose** [SMTHE22a]. **Lorentz** [AHGM21]. **loss** [BDD+20, GT19a]. **lossy** [IJ14]. **Lotka** [BLRGVR23, GLS09, Mic03, MdD04]. **Low** [BBG14, HM86, KCL00, KS08, BLD17, Baz03, BHSW16, BHSW20, Bla01, Cam99, CMP06, ÇY22, Con20, DK21, ECHF+20, FL09, GZW22, Gem23, HPS12, HLMP09, HR14, Hey10, LZZ18, LLT20a, LCJQ12, DE18, Ran20, Ris05, SY18, SZL18, Ver96a, XY24, ZCGS21]. **low-degree** [LZZ18]. **low-discrepancy** [DE18]. **low-frequency** [LCJQ12]. **low-order** [HLMP09]. **low-rank** [BHSW16, BHSW20, ÇY22, Con20, GZW22, HPS12, HR14, Hey10, LLT20a]. **low-rank-deficient** [Baz03]. **Low-storage** [KCL00, KS08]. **Lower** [YB10, Che16, KS10, dC18a]. **lowest** [ATW20a, GHH20, Kim21, YJ23]. **lowest-order** [ATW20a, Kim21, YJ23]. **LPS** [AR18, RÁM23]. **LPV** [SM08]. **LQP** [BMSZ21]. **LQP-based** [BMSZ21]. **LQR** [XG22]. **LSNN** [CCL22]. **LTI** [KPRU20]. **LTL** [CW22]. **LU** [BSV21, EVO06, Gu01, HS02, SH02, de 95a]. **lubrication** [AGJ12]. **Lucas** [HAR21]. **Luminy** [Wen10a]. **lumped** [AMK18, GS94]. **lumping** [DS02]. **Lyapunov** [DV95b, FZM20, JP19, LZZ22, LS13, SD22a, SS12, Wan17a, WPL16].

M [BtTBV87, dv95a]. **MAC** [DYZ20, LRC19, XLZ23]. **MacCamy** [YZC21]. **Machine** [Pet92, VV95, Duf90, HGM+21, IMM04, MI03, Xu23]. **machines** [Alt85, MRV93, SSW04]. **Maclaurin** [IMMS20]. **magnetic** [BC02, HLR18, LM00, LSV22, LW22, SC19, WSC09]. **magnetization** [BC93]. **magneto** [Qiu23, WaZ24, YZH19a]. **magneto-hydrodynamic** [WaZ24, YZH19a]. **magneto-hydrodynamics** [Qiu23]. **magnetohydrodynamic** [DM09a, DLM20, SD11, WPT19, ZFS24]. **magnetohydrodynamics** [AL17, BM18, CFXZ06, CCZ22, DA19, GDS+15, LMA18, LL19, LA21, Pow94, Tou10, YHT23]. **magnetoquasistatic** [BBS11]. **magnetostatic** [BP85, Kur98]. **magnetostatics** [RV09]. **magnetostriction** [BS06]. **Magnus** [BM06a, INR01]. **Mahony** [AJK20, AEN22, WLY24, ZRA23, SJ20]. **maintenance** [KN08]. **Malliavin** [Yam23]. **Manakov** [GT19a]. **manifold** [PTW19]. **manifolds** [BAA22, EMMK01, FMMK01, DE18, Moo95a, MEGW23, MK99, TQY24]. **manipulator** [BdFPSdSC08]. **manufacturing** [KN08]. **many** [AA20, KW21]. **MAOR** [HPY92, MT94]. **map** [KF97, WE99]. **Mapped** [BL06, YT21, ARGA00, DE18]. **mapping** [Bri85, Car94, LWCT07, Mul19, Mur19, SL08, VA21, XZL07, ZJ10]. **mappings** [AHAS21, BBO03, LFP04]. **maps** [AM10a, ABD16, DE16]. **March** [Ano22v, Ano23w, Ano24j]. **marching** [DD97, Dav98]. **margin** [KSP10]. **market** [GK22]. **markets** [CGEV19]. **Markov** [BT02, Buc99, DNW18, DSM11, Mar03]. **Markovian** [DFLM19]. **Markowitz** [HW22]. **martensitic** [WM07]. **Maruyama** [GLMY17, GLM18, LLD18, LMTW20, LMW23, LSW23, WGW15, WMC09]. **Mass** [DLP06, AMK18, BRBM08, BBKS07, CGGGS11, CFLW22, CGJ16, DW21, FLL11, KL21, LCW20, Maj20, SNW22, TW00, XCHW22, Yan23, ZB07]. **mass-** [Yan23]. **mass-conserving** [BBKS07]. **mass-preserving** [DW21, KL21]. **Massive** [Gea93]. **massively** [BMR+17a, de 95a]. **Master** [Ano92, Ano02f, Ano04l, FL09]. **matched** [DK14]. **matching**

[BMS89, BTDV10, CLR11, CH19, LN24, Ste05b, TCCW89, ZC92]. **material** [AEMX17, MAG13, NTT22]. **materials** [CFRA08, DCN+19, Fra04b, HS07, HJX+19, SC03, Wee01, YWH20]. **Math** [AS21, Bic21, BtTBV87, Kni95, TLP18a, Tsy96, YP18a]. **Mathematical** [BGG12, CL02a, DMQ02, FMSV07, IJ14, MLK06, MDD18, OCVW22, AKGR14, DSM22, CDJT06, ESS15, EE20, EL01, FF20, LW20a, LFL14, Riv09, Sae14, Sam94, SAMSB20a, Var92]. **Mathematics** [MH89, ZCSH11a, Ano87a]. **MATLAB** [EMMK01, RH92, ST01]. **matrices** [ABK12, ADNR21, BN99, BWY03, BLD17, BC99, BG11c, BW06, CL06, CDW19, DP12, DL01, DMPP99, EES05, EH08, GK93, GS08, HA21, Hua19, Jia02, KS10, LMV17, LVfP14, LLT20a, LLT20b, Liu02, LB21, MS19, Nak12, Not92, Nov03, PV93, SKO19, SH21a, SYW18, UHUL21, Wan96, YD07, Zha00, ZWFX22, dC18a, dlHV13]. **matrices-based** [UHUL21]. **Matrix** [AMT17, DS20, FS24, GPHA16, SW95b, ZJLA22, AKBF19, AB14, ACM09, AQ00, Bal00, BB24, BKS07, BRRS15, BLM17b, BZ96, BHRY21, BRW17, BP95, CG05, CCBGV08, CP04, CKL03, CCJ99, Dat99a, DS21d, DMH18, DMPP99, DP85, EAV16, ESE20, Fuj99, GS17, Gab02, GZW22, Gem23, GGMP88, GGR97, HB02, HV22, Hey10, Huc99, IB24, Jam95, JMS99, JCN94, KCS07, KM21, Kru99, LZZ22, LDP+14, LIPT18, LP00, Lu98b, MH16a, MB20, MS99a, NRZR12, O'L87, PB21, Pea16, Per03, Ram96, SW95a, ST09b, SK97, SW06, SBBC21, SD22a, SD24a, SSA+22, SW09b, SSKS21, TW00, TM15, WS21, Win04, WG18, WPS18, YP18a, YP18b, Zen21, ZY23]. **matrix-dependent** [GGR97]. **Matrix-free** [SW95b]. **Matrix-oriented** [FS24]. **matrix-valued** [LZZ22]. **Maximal** [AH11, AA94, Khe91, Mil17]. **maximization** [KSP10]. **maximized** [LS05]. **Maximum** [DYZ20, Hor99, Kra92, ZQZ23, FP02, FHK05, GZQS23, GJlL23, GPHA22, HPH20, SYY20, SG16, SW24, TZ21, Vej10, YYZ23, ZYQS21, ZYQS23, ZSY20]. **maximum-norm** [FP02]. **maximum-principle** [YYZ23]. **maximum-principle-preserving** [GZQS23, ZYQS23]. **maximum-principle-satisfying** [SG16]. **Maxwell** [AA22, AG05b, AM10b, BC12, BG03, BFH09, Bür12, Bür13, CXZ09, DCC14, FJP17, Hou23, HZ12, KCW16, MM18, MF23, Ngu15, Nke07, OGS20, Pet00, RR14, RA09, WSY18, YH00, YT00]. **May** [CFTW08, Mul99, Ano21n, Ano22n, Ano23q, FJ97]. **McCracken** [Pot85]. **McKean** [LSW23]. **MDRK** [CS24]. **Mean** [Abu04, AL24, Fan19, MDD14, WC11, BS12, DMS23, TZA13, YCY12, dVA02]. **Mean-square** [MDD14, WC11, BS12, TZA13]. **means** [EH08, MS02, VV07, Wen10b]. **measure** [CGW20, Has08, LW04, PS19, SS19, XL09b, Zha07, ZWK15]. **measured** [HM17, NTHC21]. **measurement** [KKN+17, LSY21]. **measurements** [HM15, KK17, KK20b, Muo23, QL16]. **measures** [DRS19, DDRS24, EHNR24, LMW23, dACR10]. **Measuring** [Sha85a]. **Mechanical** [CHH15, HLL09, Arn95, Arn98, BH93, FPS15]. **mechanics** [Car09a, NA21]. **mechanism** [JZS20]. **mechanisms** [BFQ22]. **mechanobiochemical** [MM20b]. **media** [AK09, AKT97, BM04a, BM04b, BBL02, CCD+20, CHNN20, CCK03, CML05, CD13, DD19, DE06, DN13, DG22, EH07a, ESS15, EWW99, FBS09, FJ09, GS20, GJR03, HJ09, HCW16, IT07, KMR09, MK14, MLJ19, MCM12, NS21a, OL18, SS94b, SY08, TSFB01, VBVA22, WCW14, XZL07, YR22, ZYSZ14, ZGR23]. **medical** [TSB10]. **medium** [AD15, Cho13, DTQ+20, KT05, KKN+17, Mur15, QL16, SR88a, ZQLK11]. **Mehrotra**

[Car09b, LLL12]. **Mehrotra-type** [Car09b, LLL12]. **Meiko** [HP91]. **Mellin** [Lau17b]. **membrane** [Boz11]. **membranes** [CGJ16]. **Memory** [LVW21, ADM22, BKAG22, CFRA08, FVB05, Fre91, JP93, KAS22, LW92b, LCJQ12, MRV93, MFAD23, VSG17, WM08, WH19b, Win92, dv95a]. **memoryless** [ABKG21]. **MEMS** [HWZ22]. **Menten** [Wan09]. **Menten-type** [Wan09]. **merging** [Ber15]. **Meromorphic** [Jac88, DMGVO05]. **Merton** [Bi20]. **Mesh** [BBV13, Bak86, BS96a, FL93, AL98, AGJM04, AKL08, AF89, BMGM12, BHJ05, Bak89, BKM13, BM01, BLM17a, BFA93, BS97a, Bre02a, BT97b, BC97a, CST18, CJLS98, CLGD06, DF11, DEPS15, DMR18, DF92, FdSB02, FMP04, FR01, HW97, HWCF15, HR97, JP08b, JM94, JOL23, Kał22, KTYY24, LBLT13, Len00, LH09, LLT07, LS99b, Man96, MCE+09, Nag22, NS03, NRR06, PD96, PH15, QM03, Ren14, Rou20a, SFJ+05, SYG+05, Sim94b, SS08b, Wan17a, Zar17, ZL22, ZGR23]. **mesh-dependent** [LLT07]. **mesh-moving** [BFA93]. **meshes** [ANN19, BSGU94, Bec18, BW95, BS05, BBRS97, Bof06, BP97, BTC23, CHR03, CS08, DRVA20, DSZ15b, DL06, FHK05, FVB05, FMGN94, FL01a, FM11, GHH09, HMP14, JHGZ20, KFOF02, KDD23, Li01a, LL20a, LVW21, Mai09, Mat09, MST09, MKH16, NV23, NFAE03, PSP04a, PT19, Pic05, QM03, Que21, QPT23, RG22, SE93, SY08, SA19, SW24, TC22, Tob14, Tur86, WG11, WZ17, Xu21, YZ17, YZ22, YZ19, ZL21, ZWN23, ZSQ20]. **meshfree** [CCD+20, GM17, LZ20, ZLX22]. **meshing** [ÜSHT03]. **Meshless** [Hou23, Li11, MS13, AD21, AAD14, AD18b, AD19b, BGG+21, BK21a, BHJ13, CNA23, DS21c, GZZ19, HS23, KDT17, MD10, MD20c, RP17, SD13a, Sch08a, SR09, SJ18, Shi20, SG17, ZT06, DM09a]. **meshless-type** [SR09]. **meso** [MW24]. **meso-scale** [MW24]. **message** [BC99]. **meta** [KS10]. **meta-programming** [KS10]. **metaheuristics** [BdFPSdSC08]. **metastatic** [DLS22]. **Method** [BL15, BO87, DT15, De 88, DC18b, FG96, HT94, Pet87, Ta'86, TMS87, TT03, AS11, AD19a, AD21, AZHD23, AS21, AH09, AZA22, AS13, ABZ21, ALMM01, AGZD22, AY15, ARGA00, AMRR18, AGM09, AP16, AP20, ANN19, AC15, AK21, AEK23, AHT17, ABK12, AS20a, ASA20, AMT13, AA94, ADG+24, AK00, AY22, ATW20a, ATW20b, AT15, ARY23, ADM22, AFIS24, AMV17, AHR12, AMR14, AF23, ABKG21, AB10b, AT93, AB07, AL17, An20, AX20, ALZ+21, Ang06, AJ24b, AL22, AR18, ASV19, ACP23, Arc06, AB14, ABM17, AMP20, AM16a, AMH03, AF89, AJK20, Ars20, AC16, AKS21, AAD14, AD18b, AD19b, Aug89, ABG+15, AEF+14, ÁMS17, AV00, AKA19, AEN22, Aze22, BAA22, Bac14, Bac16, Bac17b, Bac17c, Bac18, Bac19, BTBR19, BTBR20, Bac21a]. **method** [Bac21b, Bad20, BBV13, BLD17, BMSZ21, BHL+21, BWM21, BW23b, BP14, Bal00, BS21, BLW07, BF01, BFS17, BBCR22, Bas21, BAD13, BLY17, BVT14, BO04, BRTB19, BBBK22, BGG+21, BHSW16, BHSW20, BDNV19, BGGG13, BC08a, BCGS24, BDOG19, BM04a, BDF89, BF92b, BW96a, BCJ97, BTP96, BLM17a, BK21a, BZ17a, BC08b, BSZ22, BGH08, BC01, BC04b, BBRS97, BBD08, Bof06, Bog16, DLS22, BVV09, Bor97, Bos09, BJ00, BHJ13, BS20a, BRBB18, BR20, BJTZ20, BSP04, BHRY21, BSTT22, BCV21, Bür12, BH12b, Bus06, BS96b, BC00b, CGS19, CGT13, CFX08, Cai15, CHP19, CA21, CCL22, CGH23, Cai24, Cao98a, CHZZ06, CXZ14, CHZ14, CHLA21, CDP19, CP94, CGG02, CM02, Cas06, Cau08, CS94, ÇD17, CM97, CjW18, CHNN20, CJ18, CMP03, CKB13, CS01, CX01, CC04b, CZY08]. **method** [CXZ09, CHX13, CSXL14, Che16, CXZ17,

CLTA18, CH19, CWX21, CW22, CC08, CS08, CWY20, CG21, CC20b, CCK08, CH13, CK20, CKM10, CCZ22, CEW00, CL09, CR23b, ÇK13, CJLS98, CJ23, CY05, dCCSR03, CG16, CNS00, CMS04, CGTTN24, Coy12, CSCM96, Cum95, CH90, DD19, DM12, DV20, DS21b, DB97, DW00, Dav92, DS21c, DS24, De 93b, DG10, DM09a, DA16, DA18a, DA18b, DA19, DSA20, DS20, DJ10, DDNZ18, DD20, DDGN23, DK20, DYX09, DM09b, Den15, DFLM19, DHWL22, DL22b, Den93, DLP06, DN13, DS97a, DS97b, Din93, DHL00, DN08, DBBH14, Dol14, DL16, DCN$^+$19, DSS20, DP85, DP90, DCY20, DCL23, yDqGnJT09, DYF23, DZW24, DII15, EJS04, Elg17, ER18, EK95, EL97, ESE20, EE20, EW97, EH07b, FM21, FK23, FID18a, FID18b, Fan11, FW08]. **method** [FWL18, FL05, FFY08, FV85, Fdi96, Fel06, FLH22, FW22, FS23b, Fer09, FvdMS20, FL20, FdSB02, FSB97, FG13, FPPS00, FV99, FR01, FM07, FMU15, FSWZ19, FXCW21, FLL11, GS24, GS15a, GLS09, GM10, GZZ19, GZZ20, GHHG22, Gas92, GM18, GHH20, GK09, GD23a, Gen10, GG19, GD21, GÖS20, Gla93, Gol86, GRLL01, GDS$^+$15, GO18, Gon06, GS09, GLM09, GT93a, GT02, GM17, GOP06, GKT10, GKA17, GGS16, Gu19, Gu20, GH21, GCZZ23, GJR03, GJV08, GH07, yGyZ07, yGpY09, Guo15, GLMY17, GJ17, GLM18, GW20, GL93, Gwi09, GK22, Hab08, HS21a, HPY92, HHR12, HHYD20, Han93, HJS97, HZ09, HLZ14, HZ21, Har10, HLMP09, HM01, Has13, HHL23, HHC08, HL08, HDY21, HD22, HTSZ23, HO24b, HS22, HSS07, HS19a, HS17, Heu00, Hey20a, HJL18, Hop23, HA16, HDS20, HS23]. **method** [HWCF15, HJ21, HZC22, HW22, HZCZ23, HR96, HC01, HLC01, HZ12, HFL12, HP15, HCW16, HH18, HS19b, Hua20, HAY20, HT20, HZAT21, Hua21, HAC22, HS09b, Hus20, HSY18, ILS19, Ius97, IS23, Jad94, JJ94, JRT90, Jeo09, JK14, JCL18, JZS20, Jia02, JHGZ20, JL17, JL23b, JL24, JLH13, JCJP21, JM06, JT06a, JD09, JOL23, JK20, KKT16, KMS19, Kal96, Kam16, KDT17, KV07, Kan89, KXK92, KNN03, Kan04, KJL12, KKN$^+$13, KV95, Kat89, KM19, KL23a, KK20a, KL23b, KOR18, KSHB21, KO92, KSMMM16, KS02, KK09a, Kim12, KwS19, Kim21, KYC03, KWLK00, KKW00, KKN$^+$17, KKLD21, Kop86, KJ99, KPR12b, KP03b, KS09b, KLS13, KQ13a, KQ13b, KR20, KR18, KK23, KLSW10, KAS17, KX03, Kwe01, Kwe03, LH11, LHH96, LWT07, LHC09, LZQ22, LW93, LCHR03, Lau17b, Lau17a]. **method** [Lee94, LL15, LLKJ21, LCK22, Leo10a, LHS00, LWD$^+$09, Li98, LFB00, Li00b, LY08, Li08, LH09, LY09, LWWX10, LK14, Li16, LYF17, LHW17, LLHC17, LR18a, LZ18, LR18b, LLHC18, LMQZ18, LWCH19, LCS19, LWY20, LZ20, LR20a, LCHW20, LGS21, LFQH21, LH21, LL23, LB23, LQXK23, LL24, LC24, LWaZ24, LM21, LD97, LR01, LX09, LWZ22, Lin10, LT01, LK07, LN08, Liu09, LHÖ13, LYK17, LW18b, LLZ19, LC20, LMTW20, LZCF21, Liu21, LLZ$^+$22, LYZW22, LT23, LMW23, LYLL23, LZIZ23, LS24b, LHT20, LMG02, Lot19, LAH09, LfX15, LXCM21, LB21, LDH$^+$24, LOM98, Luc95, Luo18, LJ20a, LR20b, LJ20b, lLX22, LBCN00, LLW20, MZZ17, MQO17, MM18, MB20, MAHZ21, MZN21, MDRR11, MD00, MMKN17, MH14, Mai06, Mai09, MOS12, MP11, MD19b, MPSS16, MZS10, MCS16, MZXX24, Map05, Mar99a, Mar05, MPHFP23, MT94, MP20, MMRV20, MMT90, MC17, MZK05, MS99a, MZM20, Men23]. **method** [MM07, Meu91, MG18, MYSC17, MAG13, MOSW00, MF23, MSS21, MD10, MS13, Mit22, Mit24b, Moe98, MDA24, MG22, MH16b, Mok17, MKJ23, MDASAO21, MLJ19, MD96, MN08, MRFF17, MLB97, Mou03, MK19, MWYZ18, MC21, MT20, Mul19, MPMD21, MM20b, NX22, Nag22,

Nak05, NS21a, NMKE13, NDM20, NLS18, NLS20, Ney95, NK24a, Ngu15, NWL+22, NCYC22, NH15, Nov03, NS16, OT22, Odi19, Oji88, OFY+23, OL18, OGS20, OH20, OEAS21, PL20, PWY21, PZMX16, PG21, Pap95, PK23, Par04, PM05, PNA21, PBC08, PAP17, Pat00, PK21, PT11, PR90, PH15, PR22, Pet92, Pfl08, Phi87, PP00, Pło23, PS21, Pot97, PRS23, PG02, PSL18, QM10, Qi24, QWX20, QL16, QM20, QMLC15, QXG21, QPT23, RR21, RP17, RMCG04, ROL19, RE19, RZS21, RG22, Ran20]. **method** [RK08, RSR23, RTW21, RS20, RV04, RV05a, RMM12, Ree03, Ren14, RR00, RN22, Ric94, RVD00, RS08b, RAOC18, RG02, RREP+20, Rou20a, Rou20b, RMK09, RO16, RU15, SSS+23, SRK21, SD13a, ST11, SN22, SB18, SZE20, Saz24, Sch16b, SS00, Sch98, Sch99, SW11, Sea09, Sel14, SG04, SOB20, SSC23, SD11, SD13b, SLW17, SZ22a, SWFK13, SWW17, SGS20, Sha21, SDG20, SLMD21, She96, SY05, SW07, SXP09, SLJ11, SWY+23, tSqWyG16, SWW16, SJ20, SL20, SW20a, wSJP15, SD22a, SD22b, SD24a, SJ18, Shi20, SVB17, SP22, Shy86, Shy91a, Shy91b, Sim91, Sin24, uIVS13, SW09b, SSvG10, Sod91, SS08b, SY08, SZL18, SL15, SMA01, SSA24, SS09, Ste05b, SW85, Sti03, SG05, Su94, SWW11, SvdVvD06, SWCH15, SW20b, SH21b, SW86, SSS21, Sza94, TLP18a, TLP18b, Tah96]. **method** [TL07, TWMP20, TT20, TYKK01b, gTpM07, TM24, TC22, TW00, Tem23, TM21, TWH21, TWD23, Top21, TH23, TV91, TM04, TM05, Tse00, TC19, VO00a, VRC21, VBVA22, Wal19, Wan96, WKM04, jWyG08, jWqW09, WC11, Wan11, WN12, WZL13, jW15, WZ16, Wan17b, jWjJ17, WQ17, WCSQ18, WJW19, WZ19, WMLB19, WR20, jWS20, WTY21, WaZW21, WZ22, jWC22, WL22, WCL22, WCM23, WH23, WWLL23, WC24b, WPAZ24, WW24, WC14, WW14, WaZ24, WSHC20, Wen98, WBCK02, Won08, WWS07, WPT19, WL21, WX22, WG23b, WdG92, XXYZ24, XL09a, XY19, XC20, XFL22, XZ22, XL23, XXQ17, XZH19, XGQ20, XZT21, XHJM21, XGHM22, XHYM22, XXF22, YXT17, YMD21, YS09, YCY12, YY13, Yan18, YJZ18, YW19, YLX21, Yan21b, YXN21, YZC21, Yan21a, YS22, YQCZ22, YYZ23, Yan23, YZ24, YLL21, YWW23, YZ22, YT00, Yi12, YCWH23, YÇ16, YBW20, YZ19, YHT23, YJJ+24]. **method** [Yu08, YLS+09, hYqW12, YWSL20, YLW21, Yua93, YH07, Yua20, YXX19, YRV21a, YRV21b, ZTZ15, Zak20, ZH21, ZAED21, ZHS22, ZRA23, ZL17, Zen21, ZLY23, ZGL98, ZT06, ZOZ09, ZY14, Zha14, ZHJ14, ZYSZ14, ZQY18, ZL18a, ZFZ19, ZLHW19, ZZX19a, Zha19b, ZBY19, ZJ19a, Zha20a, ZYLL20, ZCY20, ZD20, ZLW20b, ZLCH20, ZLW20a, ZN21, ZR21, ZG21, ZWFX22, ZYC22, ZL22, ZYJZ23, ZZPJ23, ZSS23, ZYZJ24, ZZZ19, ZYX20, Zha21b, ZLL22, ZYH23, ZGR23, ZLG24, Zhe07, ZZ17, Zhe19, ZZ20, ZS21a, ZHL03, ZHL08, ZH15, Zho17, Zho18, ZZC+18, ZSY20, ZC92, ZWL11, Zió99, ZK00, ZCC11, dFN00, dOF20, dlC23, vdVS08, vB95, AI19, BGG+20, CFXZ06, PT09, RB12]. **methodology** [AGJM04, CG14, FV87, PRST02]. **Methods** [BH85, CFTW08, DGCW17, FF06, FFMZ13, MP85, Per88, Rei85, dH95, AH11, ABH14, AH15, AHJM19, AJ19, ABH22, ACDP22, AHJ+23, AM95a, AB17, Abu04, AAL21, AB88, AyLqW18, AHA23, ADK94, AS04, AA22, Alb96, AES15, ADR17, All24, AM99, AM00, AMP03, AMCM08, AMCR17, ABR23, AV96, AKBF19, AH17, AAI+93, AM95b, AGM95, ABI22, AHS03, Ant23, Ant13, AKL08, ABF09, AFS11, AFS00, AFS02, ASCM02, ASC03, Arn93, Arn98, ARS97, ACM09, AC96, AAB+22, AFK92, AFS96, ABRW18, ÁMS14, AV91, BKAG22, BMQW16, BMGM12, Bai96, BN99, BY09, BW23a, BUL23, BKM95, BDGP96, BT97a,

BDP99, BD07, BPS19, BJ02, BLS+17, BOEP00, BY00, BES18, BJ05, BK06, BASC17, Bea04, BZ92, BZ93, BV96, Bel97, Ben96, BB15, BLJ21, BNV06, BM89, BMS89]. **methods** [BW95, BG02a, BG03, Bie12, BT19, BDF94, BSQ96, Bla01, BCR01, BCF+13, BCT19, BCET22, Bog20, BDFF23, DSM22, Bot97, BGP11, BJ11, BBD24, Boy91a, Boy91b, BVB09, BFdO07, Bra00, BCJW17, BCJP18, BJ20, BIJ23, BH93, Bre85, BZ94a, Bru93, BMT93, BT93a, BT93b, BT95, BT98, BM02, BM06b, BIM15, Bru92, BMM97b, BMM97a, Bru07, BH97, BJ03, BIMV19, BH12b, Bur85, BC89b, Bur91, Bur93a, Bur93b, BB96, BB98, BT00, But85, But93, BC95, BJ96, But96, BW96b, BC97b, But97, BT97d, BJ98, BC98, BS00b, BW03, BR05, BP06b, BD17, BSW93, BS02, Cah89, CH22, CIJ17, CH95b, CIZ96, CdFN01, CG05, CMRV11, CSSZ20, CMRdlT24, Cam99, CPP02, CGJ16, CGA96, CM13, Cao98b, Cao01, CHLX07, CW21, CCP17, CDP17, Car23, CG92, CP05a]. **methods** [CDGA17, Car09a, CL85, CD95, Cas96, CP05b, CS19, CCZZ18, CJL13, CG89, CM00, CCM02, CG13, CCC08, Cha98, Che96, CR05, CK98, CS03, CH07, CL07, CCLT10, CL10, CZ12, CHH15, CDW19, CZHX19, CSLY19, CWHF19, CLLM21, CWP21, CYWH22, CDW23, CK06, Chn17, CL20, CSX23, CS24, CN16, ÇY22, CD20a, CD20b, CGS20, CJ24, CFL+20, Con01, CM07, CX08, CP09, CDP12, CP17, CBHM19, Coo89, CGPT19, CST97, CN11, CN17, CPR93, CKM15, Cul95, Cve02, DIJ12, DP12, DMS23, DGM22, DVV93, DS05, DR09a, DR09b, DK11, DS07a, DS07b, DK21, DGN12, DL20, DW21, DL21a, DM11b, DGRS09, DMPSC16, DSW96, Dou91, Duj09, DP21, EAV16, EH07a, EM05a, ELvdHS98, ELCWS98, Ein18, Eir95, EHM01, Eng11, EG88, EK97, EH97, ER07, EP15, EFLFP09]. **methods** [Ere19, Eva94, EC07, FMMK01, FD16, FS23a, FW07, FPRA09, Fat12, FLMR14, FH20, FH22, FXY22, FL04, FMPP24, FS08, Fer93, Fer96, FJL21, FM95, FMW05, FS88a, Fou00, Fra04a, Fra06, FG09, FHV97, Fre98, FWW+21, Fuj02, GH91, Gan09, GHW20, GS99a, GM16, GV18, GANT02, GCHR06, GMG02, GP23, Gar10, GGLR09, GM93, GIS23, GHH09, GAW09, GY94, GLPW09, GG95, GGM95, GM95, Ghe97, GD09, GKKM21, GS20, GK19, Gje07, GTS20, GÖ20, GP01, GBBC+23, GPMR95, GPMPR03, GPHA06, GPHAM12, GPHA16, GPHA22, GPHAPPR23, GML00, GMGF02, GO19, GM94, GKL07, GQ08, Gug05, EEJB22, GR93, GHW01, Guo01, GHF00, GR02, HM21, Hag15, HM87, HZ96, Hai97, Has09, HJ05, HLT07, HS20, HV22, HO24a, HW06, HMdV03]. **methods** [HK93, HM00, Hes00, HH10a, Hey10, Hig96, HR06, HL02a, HMP14, HS09a, Hoa15, HO05, HL23, HXW15, HHW18, Hor93, Hor98, Hor05, HT19, HCY18, HJYL19, Hou23, Hsi06, HCGW22, Hua00, HCX03, HLL09, Hua09, HFL13, HJX+19, HY24b, HKP89, HL89, IM98, IM02, IMMS20, IKR+22, INR01, IVA93, IRC12, IJ17a, IJ17b, IJ21, JMDN+22, JL91, Jac93, JVZ95, JVZ96, JVZ97, JR00, JZK06, JN02, JP19, Jay95, JM16, JKW12, JP08b, JT18, JLZ20, JQYM23, JEG10, JL23a, Joh01, Jun97, JGK11, Kam16, KT05, Kau93, Kau95, KC94, KC19a, KMG09, KB21, KESYB23, Kie95, Kie15, Kim07, KS08, KS09a, KK09b, Kin94, KW95, KW98, KNT13, KCC04, Kok08, Kop89, Kos02, KS89, KM11, KK02, Kre07, KXR+04, Kru99, KK17, KDD23, KKR15, KDKW20, Kuz90]. **methods** [Kwa09, KYI17, Lab98, Lab99, LHHR94, Lam13, LPT94, LPT16, LP05, Lay08, Lay09, LT12, Lei99, LPR00a, Li00a, LPZ00, Li01a, Li05, LX08, LHH08, LLY11, LA11, Li12, LZ14, LZ17, LW17, LWL18, LW19b, LW19a, Li19, LL20a, LSP20, LLJY20, LW20a, LCW20, LWW20, LCHW20, LLY21, LX21, LZ22, LZW17, LKJ07, LFL14, LS13, LQS21,

LVW21, LLS+96, Liu02, LS07b, LZW20, LC21, LM22a, LNZ12, LMP99, LT93, LP97, LCM24, LW95, LMWZ07, LS05, LRT99, MDD14, MK20, MOS02, MMP09, MAH18, MHA19, MP96, MKN23, MDT05, MSGM23, Mar93, Mar03, MRV93, MO01, Mat09, MPPR22, MST09, MR94, MG97, MII13, MP97, MOU14, MSS+15, Min04, Mir20, Mit24a, MFAD23, Moo95b, Moo95a, MAF20, MSA20, MAH22, MDP23, MRS10, MEGW23, MK99, MKS12, Mur15, Mur98, Mus11, NRWF08, NN20, Naj20, NNJ23]. **methods** [NS20, NS21b, NBNTGV11, Nic86, NFAE03, NS13, Nov08, OS08, ONL89, OZ96, Oos95, OG08, Ore93, Ost93, OT02, Ost02, OTK04, OS12, OCVW22, PGA93, Pan21, Par21, PP24, Pat98, Pav00, Pec09, PLB22, PA91, PSR04, PP92, PS00, PA05, Phi91, PGP03, Pir09, PSW02, PWS05, PWS06, PT95, PCR17, PAJ12, Por17, PCRR17, Pul86, QLL+08, RG20, Ran15, Ran16, RSY12, RU21, RT20, RKVZ15, Rha97, RTV00, RTV02, Ric91, RX08, RTA19, RVM23, Roz05, RBT15, SMTHE22b, SSW20, Sae14, ST09a, SPS20, San20, SH97, Sar05, Sca22, Sch08a, ST89, SW09a, SW95b, SW98, SWE05, SWJ09, Sch12, SW95d, SGS00, SZ09, Sch95a, Sch87, Sch95b, SEGV02, SB14, SR09, Sha98, SAH24, SI20, SWX00, SL09, pSLqJcY16, SHLY19, SA00]. **methods** [SC08, SJ11, SWB20, Sid90, ST20, SG07, SD09, Sv95, SKW17, SW18, Som86, SvdHN86, SCvdH92, Som93, SK96, SW03, SdSC99, Spi95, Spi96, Spi13, SS13b, SW12, Sto96, SS12, SL08, SFZ21, SW05, SGN08, TLQ21, TMD92, TSB10, TDC13, TOD11, TB01, TYJ11, TK15, Tru00, Tur93, VB07, VDVV98, VV02, VV07, VV09, Van00, VS94, VZ93, Ver06, VS95, Ver96b, VS91, VMS07, VMP03, VN21, Wal95, WGKS12, mWyG00, WZL08, WM08, WL09b, WL09c, WL09a, WG10, WL10, WZW13, WGW15, WMF17, Wan17a, WH18, WT20, WCJ23, WSP04, WEA12, WKP12, Wei95, WYL11, WHL19, WSW96, Wen05, WCGW95, WSS97, WZ17, WG22, XFLC00, XZ19, XZW19, XWZ21, XG22, XF22, XZZ19, Xu21, YGY15, YK07, YG99, YW08, YZ17, YLFT20, YT21, YFLX20, YXX24, YLLZ21, YF24, YR92, YXB95]. **methods** [Yu99, YW24, YTZZ18, Zen93, ZZ18, ZZL01, ZH09, ZC10, ZZHS18, ZJ19b, ZLJ20, ZFC20, ZFW20, ZG20, ZL21, ZLW22, ZYQS23, ZZ24, ZZW97, ZL11b, ZFX17, ZW19a, ZZX20, ZSJ04, ZZJ21, ZZ19b, ZKO+21, ZP97, ZX09, ZCSH11a, ZQLK11, ZCSH11b, ZX14, ZSQ20, ZSQ21, ZX22, ZC99, Zla85a, Zla85b, dAF17, de 92b, dRT99, de 95b, in 92, in 95, in 96, in 02, van95, vdES04, vdHVW01, vSC92, vS93, vC93, van93, vS96, van96, vS97, vdHMdS99, vdHS01, vdSvdH95, AGM09, BGT97]. **metric** [HT20, MM20a]. **metrics** [CLGD06]. **Metzner** [ZB19b]. **MFE** [ZYSZ14]. **MFEM** [CLY19, HL19, SY18]. **MFS** [SK10]. **MG** [JMP06]. **MGT** [BFQ22]. **MGT-type** [BFQ22]. **MHD** [AEK23, AI19, AA22, DM09a, DA19, HSS04, LD22, QM10, RSK24, SD11, WPT19, ZBD24]. **MIC** [GKMS09]. **Michaelis** [Wan09]. **Mickens** [MdD04]. **microenvironments** [MDD18]. **microgravity** [CMP06]. **micromagnetic** [TSFB01]. **micromagnetics** [LW04, MPPR22, XL09b]. **micropolar** [SED21, ZL23]. **microscale** [CL02b, LC02]. **microstructure** [GP01, MS00]. **microstructures** [Li00b, Li01b, RS22]. **microtemperatures** [BCFQ21]. **midpoint** [SR97]. **migration** [MM20b, NS16]. **milling** [IMM04, MI03]. **Milstein** [GHHG22, RT20, RKVZ15, WL09a, WG22, Yam18]. **MIMD** [SD93]. **mimetic** [APJ10]. **MIMO** [ACKV24]. **min** [PK21]. **min-orthogonal** [PK21]. **Mindlin** [KX03, Lam13]. **Minimal** [Bar12, BFGP08, CP10, LS13, CKB12, Cul95, Hin97, Kie95, DE18, PL20, PR22, Ren14, Zha97]. **minimal-norm** [PR22]. **minimally** [BRIP08]. **Minimization** [Dra97, Gab02, WW99, BHRY21, CXZ14,

DW00, FBM17, GZW22, HT20, Sch95a, WH23, YP18a, YP18b, ZHL08]. **minimizing** [Bor97, HJP10, MKH16]. **minimum** [BSvdV99, GL17, Sch96, Tad86]. **MINLP** [EW08]. **mirabilis** [Aya09]. **miscible** [NS21a, SY08, ZYSZ14, ZYZJ24, ZGR23]. **mites** [CL02a]. **Mittag** [ABdSG23, Boh21, KZ21, OB24]. **Mittag-Leffler** [ABdSG23, Boh21, KZ21, OB24]. **Mixed** [BMM97a, CjW18, GH07, HSS04, LS24c, MN24, MZ04, Pan21, TJK18, VB07, VMS07, jW15, dSFDG20, ADM22, AD23, APJ09, Ars20, AFLG$^+$12, BGG04, BBG14, BLY17, BRS05, BCGS24, BK21a, Bra00, BJM01, BMM97b, CGS19, CCOVF22, CL08, CP05a, CD23, CS03, CZ04, CJX11, CWHF19, Che12b, CMS04, DY17, DRVA20, DV20, FL20, GMM09, GIS23, GHH20, GD21, HDY21, HEG16, HL03, HW97, HCY18, HJYL19, HAC22, JNPC03, Kie17, Kim21, Kwe01, Kwe03, LM00, Li00a, LCHW20, LS12, LX09, LLZ19, LLW22, LS24b, Lot19, MMP09, MSZ$^+$24, MS90, MZM20, MF23, O'L87, OR20, Par04, RTW21, SW11, SY08, SW85, SG05, VBD93, Wan05, Wan20, YY13, YJ23, YXZL24, ZZHS18, ZBY19, ZSG$^+$20, ZZPJ23, ZYZJ24, ZZC$^+$18, iW07, iW09, iM13, BTDV10]. **mixed-FEM** [BGG04, CCOVF22, GMM09]. **Mixed-hybrid** [VB07]. **Mixing** [dB03, Gro94, MS91, MPV24]. **mixture** [CPY20, CG14]. **mixtures** [HPW21]. **MLDG** [AD18b]. **MLPG** [DM09a, AS11]. **MLS** [MS13]. **MMOCAA** [ZYSZ14]. **mobile** [GWLN22, JL17, NWL$^+$22]. **mobile-immobile** [JL17]. **mobile/immobile** [GWLN22, NWL$^+$22]. **mobility** [GGT24, GJLL20, KK09a]. **Modal** [FID18b, Dat99b, RGÖS18, XC20]. **mode** [DG96, EH91, ZY19, dPT96]. **Model** [BO87, DC21, HK09, Mac86, MVG14, MPtM16, TD09, WM07, AD20b, AK21, AHT17, AB15, AJ24b, AL98, AD04, BKAG22, BC12, BFS17, BM05, BCFQ21, BVT14, BK09, BF09, BDOG19, Bho11, BSZ22, BTMT08, Bi20, Bou02, BSTT22, CGGGS11, CHM22, CHLA21, CCQ$^+$23, CF13a, CKP15, CST18, Cha17, CXZ15, CZY18, CH19, CPY20, Chi21, Chr96, CL09, CH89, CF13c, CA15, CR04, CT21, DvHM19, DMR18, DGM18, DMM24b, DL16, DLQZ23, DYF23, EE20, FF20, FKA$^+$13, Fou00, GHK16, GLV03, GM18, GHH20, GKB$^+$22, GT19a, GeO24, GD22, Han19, HJ09, HJZ23, HMD21, HGZW21, HWZ22, itHT18, IK24, IMC22, ITZ17, JK17, JN07, JL17, JT06b, KCW16, KAS17, LMY18, LFQH21, LQXK23, LWaZ24, LFL14, LN08, LC21, LS24b, LG02, MD22, MPSS16, MT11, MF23, MT05, MAD23, MHL18]. **model** [MLJ19, MM20b, NK24a, NA21, OZHP23, Par21, PB21, PHY19, QAE$^+$09, QH19, QCW$^+$23, RMCG04, RV22, RÁM23, RLHC19, RA17, RKR20, RW87, RG21, SMJ12, SH97, SZ22a, SYL$^+$20, SWY$^+$23, SG16, SZ22b, SL21, SB19, SAMSB20a, TWL23, TKN11, TLV92, Udd20, WL09c, WWLL23, WPAZ24, WS22, WSHC20, WCGW95, WMC09, WYP12, YZQ$^+$22, YCY12, YV17, YZC21, YD22, ZW09, ZQY18, ZZHS18, ZY19, Zha19b, ZCY20, ZFW20, ZLW20a, ZJH$^+$23, ZZLL21, ZAB15, van98]. **Modeling** [BH85, LC02, Per88, AL20, AEA23, AFIS24, BLS94, Bai02, BLW02, Beh97, BDNV19, BGG12, BMP05, BBO03, CM09, CKM15, ESS15, GKB$^+$22, GJR03, HM00, IJ14, IHS13, IM00, KGR08, KDAK16, LCJQ12, LARGVR23, MDD18, MCM12, Mur15, Neu88, NBP94, Ram94, SKAW12, SWFK13, TDPU17, YC00]. **Modelling** [BW86, RCGM98, BBPR05, BDES12, BBCS05, BR94, BCS06, BIMV19, CC23b, DS03, FMSV07, Gwi09, JRW06, KRBK16, LBLT13, Rob10, SMC08]. **models** [AM95a, ALM04, ABD16, BL15, BAD13, BBV05, BCCHM21, DLS22, BN03, BBD24, Cai15, CFCH09, CMP20, CGEV19, CDV00, CD13,

CF08, dCCSR03, CDI+24, Dal00, DMQ02, DS03, Dun18, DT89, EP15, EL01, FV01, GDEdLD23, GV02, Goo90, HL97, KKT16, KD13, KK20b, LS07b, Lte24, MLK06, MSGM23, MM14, MPV24, MD20c, Mus11, PKP19, PCRR17, RP17, RR14, RS22, ST11, ST14a, SLJ86, SvdHK94, VVR08, WDL23, WK02, YK07, YXX24, ZC92, vSK97]. **modes** [CCS02, Mul99]. **Modification** [Bas21, BKM13, CJV88, NLS18, TWMP20, VO00b, Waa88]. **Modifications** [Rei85]. **Modified** [CLLM21, CWP21, GZZ20, Guo15, Has08, LS99a, MH16a, Mar94, SSS+23, SY03, SL08, Yan18, ZWFX22, All24, AF23, ABKG21, AKA19, BHL+21, Bog12, CHLA21, CL14, CL09, DP12, DDRS24, DL21b, Est95, Geb24, HPY92, HP85, HDY21, HWY20, JPP19, KDH20, KM18, KR18, LY09, LHC23, LK07, LN21, LC21, LB21, Men23, MK19, SW09b, SH21a, VVD95, WL10, WW14, WYP12, XWW19, XC85, XXQ17, XZZL15, XP23, YLW20b, ZHJ14, ZLHW19, ZR21, ZS18, Zup04]. **Modifying** [CGTTN24, VVV24]. **modular** [LFQH21, SA12a]. **modulated** [Pul05]. **module** [SW95a]. **Modulus** [WG18, HV22, MH16a, SH21b, Wal90, ZR21]. **Modulus-based** [WG18, HV22, MH16a, SH21b, ZR21]. **MOESP** [SMC08]. **MOL** [HS98, Hin95, Now96, WSP04, Zha96]. **MOL-applications** [HS98]. **MOL-systems** [WSP04]. **MOL-treatment** [Now96]. **Molecular** [CS01, AB12b, CZY18, Lub04]. **mollification** [AM09, HDY21]. **moment** [AL20, Bis11, CXZ15, GDEdLD23, LR01, LS07b, Njå88]. **moments** [CS17, DFC09, MJS23, SMW21, Sin23]. **momentum** [CCOVF22]. **Monge** [SWR11]. **mono** [VDVV98]. **mono-implicit** [VDVV98]. **Monod** [BM05]. **monodomain** [NK11]. **monomial** [Has20]. **Monotone** [ABY22, Bog16, HHAA22, Wan07b, AKM+22, AKA19, BAA22, Bog12, Bog20, CRU15, FBM17, GRLL01, GJ17, HN22, IKR+22, KKLD21, LSWW22, Pel20, SSW20, SSS+23, TGV22, WL09b, YLS+09]. **monotonic** [AEF+14, DKK94]. **Monotonicity** [CMR12, DMR10, Eir95, BY22, GCHR06, Hor02, IS23, mWyG00]. **Monte** [JL24, LHÖ13, MD06, DE18]. **monument** [DSSC13]. **Morley** [HLC01, SW21]. **Morocco** [BDES12]. **morphodynamics** [KDAK16]. **morphology** [QPT23]. **Morrison** [Mit24a]. **Mortar** [BC08b, FMW05, Ars20, CX01, CH07, EJS11, HLC01, JLZ20, WCXL09]. **mortar-type** [CH07, HLC01, WCXL09]. **mortars** [Ste05a]. **Motion** [PGM86, AACP20, FMU15, HJ21, HT00, JK21, KOW05, SHL19]. **motivated** [FGP23, VCC12]. **mound** [SR88a]. **mountain** [DH12b]. **movement** [Bai97, DF11]. **Moving** [BW86, MSS21, Pet87, ADFR18, AD01b, AD19b, BHJ05, BHJJ06, BP14, BFA93, BBD08, BC97a, CHR03, CRR03, dCCSR03, FE93, Fer96, GZZ19, GH20, HR96, HR97, HBJ09, LCHR03, LSV22, LBLT13, Li11, Li16, LSY17, LXZ21, LR03, MD20c, MD21, MD23b, MM20b, RL06, RLHC19, RTT01, SD13a, SS08b, SWCH15, Wag98, Zha96, Zho17, Zup03]. **moving-boundary** [BBD08, Zho17]. **moving-mesh** [PH15]. **MP** [HVY91, van95]. **MPE** [AC98]. **MPE-iterative** [AC98]. **MPI** [AAD14, Nak05]. **MR** [Kni95, Tsy96]. **MSABC** [PT09]. **MSOR** [Wan96]. **Multi** [BC00a, GS20, Kom07, Kuz90, LW04, LW17, Log04, Pul05, QM19, AHAS21, Ano87a, Arn95, BW23b, BvG19, BDOG19, BZ17a, BS12, BF95, But93, CNA23, CCS17a, CZ19, CaAL96, CDG19, DDS89, ESEKZ10, FPPS00, Har93, HPH20, HZD21, HLMKZ06, HZAT21, Jun97, KL21, KXK92, KCC04, KKN+17, KCW16, KM11, LX08, LLV18, LW07, LLZ19, LW20b, LYC24, DLM16, LLW20, MAHZ21, MZN21, MSGM23,

Mar09, MM16, Mit24b, MPG+16, Mur98, NN20, OFY+23, OGS20, Par14, Poh93, PCA10, QWX20, RKVZ15, SGY22, SWL20, SBS+20, SA18, SM89, SZW19, TLG20, Tor06, WWX13, XL09b, YLLZ21, ZAED21, ZH20, ZJ19b, ZFW20, ZYQS23, ZWK15, ZCSH11a, ZQLK11, ZCSH11b, ZSQ20, ZSQ21, iW09, BO11]. **Multi-adaptive** [Log04]. **Multi-atomic** [LW04, XL09b]. **multi-block** [SGY22]. **multi-body** [Arn95, Mur98]. **multi-channel** [RKVZ15]. **Multi-colored** [Kom07]. **multi-core** [MM16]. **multi-dimensional** [BZ17a, BS12, BF95, HPH20, KCC04, DLM16, Mit24b, OFY+23, OGS20, SBS+20, ZAED21, iW09]. **multi-domain** [DDS89, FPPS00, MAHZ21, SM89]. **multi-electron** [PCA10]. **multi-element** [ZWK15]. **multi-factor** [BDOG19, Mar09]. **multi-frequency** [BvG19, KKN+17, KCW16, LW20b, Par14, SWL20, WWX13]. **multi-Galerkin** [NN20]. **multi-grid** [Jun97]. **Multi-hp** [GS20]. **Multi-interval** [BO11]. **multi-layer** [KL21, ZFW20]. **Multi-level** [Kuz90, QM19, LYC24]. **multi-linear** [LLV18]. **multi-medium** [ZQLK11]. **multi-objective** [ZH20]. **multi-parameter** [SGY22]. **multi-person** [CZ19]. **multi-point** [Ano87a]. **multi-resolution** [Har93, MZN21, ZSQ20, ZSQ21]. **multi-revolution** [LX08]. **multi-scale** [KM11, MPG+16]. **multi-splitting** [Poh93]. **multi-stage** [But93, CCS17a, Tor06]. **Multi-step** [BC00a, LW17, BW23b, MSGM23, TLG20, ZYQS23]. **multi-symplectic** [HLMKZ06, ZJ19b, ZCSH11a, ZCSH11b]. **multi-term** [CNA23, ESEKZ10, HZD21, HZAT21, LLZ19, LLW20, QWX20, SA18, SZW19, YLLZ21]. **multi-time** [DA18a]. **multi-trace** [CDG19]. **multi-valued** [AHAS21, LW07]. **multi-variable** [KXK92]. **multi-wavelets** [CaAL96]. **Multiblock** [Li00a, Ars20, DS15, FV99, Oos95, dPT96]. **multibody** [Aca12, EK97, HMW05, Sim93, Sim98, WSW96, Wen98]. **multicomponent** [DD19, EWW99, QW04, YH18]. **multiderivative** [Dit21, SS21]. **Multidimensional** [BG03, KW10, MKS12, AR15, AM16b, BOEP00, BBBK22, Bra22, CXNF14, CRU15, CJLS98, Cuy90, FCX06, GS21, Hag15, HHYD20, HKZ08, LWL18, LLW22, MD20b, OP04, RBT15, Saz22, Saz24, SZQH23, YTC24, ZC92, ZL24, iM13]. **Multidomain** [LLT20b, MQO17, Tro96, YH00, BO11, JOL23, Kim95, Kop86]. **Multifluid** [DRC85]. **multifluids** [CFX08]. **Multigrid** [De 02, DMPSC16, FH08, OG08, Sha98, Ta'86, WZ02, Zha97, ABCC18, BMR+17a, BRSD91, BW97, BDFF23, BVV09, Bre02a, BG02b, CDRT19, CZ90, CK98, CH07, DS97a, EVO06, FL01a, GGLR09, GGN12, GGR97, GJV08, HY02, HST14, JT06a, Kan04, KH91, Kor95, LWT07, LP05, Mic95, Mol95, NN10, Oos95, PS09, Pfl08, Phi87, RDH+12, SWX00, Spi99, Spi00, SMA01, SH21b, TLV92, VP91, WZ17, XHJM21, XGHM22, YXX19, ZR21, vBvdZdB08]. **Multilayer** [GDEdLD23, EHNR24]. **Multilayer-moment** [GDEdLD23]. **multilayered** [NBP94]. **Multilevel** [AG05b, BM12a, BC04a, GT19b, HW97, Hu99, HN22, Ney95, XHYM22, ZC92, Bai96, BJ00, BCSH16, CLT97, DM12, FMGN94, FPS15, GKT10, GGR97, HKZ08, lLNW21, MB10, Mai09, Moe98, MRS10, Not99, Osw97, SST04, Zha00, ZW19b]. **Multilinear** [LLVX20, XY24]. **multilinear-rank** [XY24]. **multimaterial** [JN07]. **Multimesh** [PD96]. **multimode** [GKB+22]. **multioperators** [Tol03]. **multiphase** [KMR09, WK02, ZC92]. **multiphysics** [GM18, GHH20, NS21b]. **Multiple** [ELLE02, HS86, HLIS16, KSP10, LZJ21, SAG86, WGB99, hYK86, BN12, BGH08, BG14, Boy91a, CZY08, CGTTN24,

DRVA20, EJS04, JWZ21, KS04, KYI17, Lee10, Lei02, MS86, MDA24, Mon09, PK21, PH91, RMK09, SDK24, SW95b, pSLqJcY16, SHLY19, SWL20, SAMSB20a]. **multiplication** [FT96, MA04]. **Multiplicative** [FL01a, Mai06, DE16, Hou23, KKP07, KR12, LLY21, MT20, NN13, TN16]. **Multiplier** [ONL89, ABG+15, PAP17, SW20b, ZZX19a]. **multiplier/fictitious** [SW20b]. **multipliers** [BMSZ21, BGG04, KwS19, ZN21]. **multiply** [BS96a, RSK24]. **multiply-refined** [BS96a]. **multipoint** [HS19a, JL86, JL87, MW93]. **multipole** [DM12, Eng11]. **multiprocessor** [CSS87]. **multiprocessors** [AAI+93, IVA93]. **multiquadric** [Jun07, JD09]. **Multirate** [GM18, GR93, BCG21, BKP09, Chi21, EL97, HS09b, KP15, PG02, Pul09, PSL18, Ske89b, SG05, SBG09]. **multiresolution** [BBRBS09, DGRS09, FR14, GDS+15, JP17, PD96, PGS10]. **multiresolution-based** [PGS10]. **multirevolution** [MP97]. **Multiscale** [CL08, CHNN20, DC09, DCN+19, EH07a, MLJ19, WCW14, BBD24, CKB13, CC04b, CK20, DDHS97, DYX09, HSY18, Jeo09, JEG10, LNZ12, RZS21, RSK24, Rob10, SKAW12, SQ17, WPAZ24, YÇ16, ZLS20, ZS21a]. **Multispectral** [CdCV03]. **multisplitting** [DS20, Liu02]. **multistage** [ABH14, BJ98, JVZ95, JR00, MAF20, MSA20]. **Multistep** [CP09, FMMK01, VZ93, ZL18b, AFS00, AFS02, Arn98, BCS17, BT95, CM13, CL85, Cha98, Den15, FHV97, GM16, Gje07, IJ17a, LMG02, MD19b, MST09, ONL89, OTK04, PGA93, SvdHN86, Spi95, Spi13, in 02, vB95]. **Multisymplectic** [AM04]. **Multithread** [RRMJ12]. **Multithreaded** [Chr96]. **Multivalue** [ACDP22, Bur85, BC89b, CD20b, MDP23]. **multivariables** [Ari87]. **multivariate** [AL20, AEG12, CC04a, CV88, MD06, OGV92a, PGS10, WT93, de 92a]. **multiwavelet** [DJJ+15]. **multiwavelets** [AFS11, CS17, HAML21, MB08]. **Munthe** [MEGW23, AB17]. **Müntz** [BKM19]. **MUR8** [EL97]. **Murakami** [CN16]. **MUSTA** [Tor06]. **mutualism** [RKR20]. **myelinated** [LFL14].

NACA [De 02]. **Nador** [BDES12]. **Naghdi** [DL16]. **Nagumo** [BSTT22, ZLW20a]. **Nanjing** [LST07]. **Nanostructures** [KNP16]. **nanotubes** [NT20]. **narrow** [Con89]. **NASCA** [BJS12]. **Nash** [CZ19]. **natural** [AHJM19, CdCV03, Che16, DdCVR03, DY03, HY01, Hua17, HS97, LS20, Sch91, Ste05b, SFZ21, VZ93, WWF20]. **natural-norm** [Che16]. **nature** [DRVA20, VS91]. **Navier** [KM16, Kni95, LH23, AD20b, AR18, BLRGVR23, BB15, BG11b, BCGS24, BC01, CCOVF22, CHLA21, Cau08, CHOR19, CSXL14, CD13, CGS20, DY17, DJ10, DS97a, DN08, DJL04, FD16, GM10, GNX19, Guo00, GH07, Guo15, HJR22, HHC08, HL08, HW15, HFL12, ITZ17, Joh01, Kal96, KS00, KCL00, Kni94, KDK17, KN93, Kwe03, LA11, LLY21, LS23, LH23, LL24, LHX20, LN21, LR00, LO96, LJ20a, Med96, Nor97, OK98, QR03, QMLC15, QAMX17, QM19, RZS21, RV05a, RK91, SH10, She96, SA00, Shy86, ST86, TH18, TLV92, Ton04, VG04, WY02, WaZW21, WWM22, YÇ16, Zha14, ZL23, ZS21a, ZS21b]. **Navier-Stokes** [Shy86]. **NCP** [PGP03]. **Near** [PGM86, Ari04, BRIP08, KLSW10, PL20, RS08b, Sch02]. **near-breakdowns** [RS08b]. **near-critical** [Ari04]. **near-minimal** [PL20]. **near-minimally** [BRIP08]. **nearby** [DMPP99, SL01a]. **nearest** [GKS20]. **Nearly** [CD20b, BRS05, DN13, ELR+15, Fat10, Mou03, Win01]. **nearly-singular** [Fat10]. **Necessary** [Meu14]. **necessity** [BC05, BDDV12, DBDV10]. **necking** [NMSF94]. **need** [Mau08]. **needle** [Li01b]. **needle-like** [Li01b]. **negative** [BC05, CLS04, LDP+14]. **negativity**

[AHT17]. **neighborhood** [Bar05, YZH19b]. **neighborhoods** [Zha07]. **nematic** [CPY20, WaZW23]. **Nemytskii** [EHV19]. **Nernst** [LL24, PYD21, YPD21]. **nerve** [LFL14]. **Nessyahu** [ASC03]. **nested** [Imo00, KS09c, Li23, PSP04a]. **NETNA2015** [DGCW17]. **network** [ADNR21, Boh03, CCL22, CFS13, CG03, DVV93, EM05a, EHNR24, Pel20, SG05, SBG09]. **networks** [Bho11, Bor16, BCK22, DJNR22, CG16, DC18b, JRW06, SMC08, SG16]. **Neumann** [AS11, AMH24, Bie12, CQZ20, DP85, DY03, FL15, HM17, HMY19, KvyS15, Lau17a, LLHC17, MH14, O'L87, OMP98, PA18, RNG22, RBC02, VBVA22, jWqW09, jW15, jWS20, XF22, hYqW12]. **Neumann-to-Dirichlet** [Bie12]. **Neumann-type** [HM17]. **neural** [Boh03, CCL22, CG03, JRW06, SMC08]. **neuron** [Bho11]. **Neutral** [Jac87, AD19a, AD21, BP06a, BLL24, Bru07, EH97, Gan09, HHT97, HS19a, JL91, LLD18, RN22, WZL08, WC11, WC14, YXT17, ZH09, ZLJ20, ZYX20, ZJ19c, ZP98]. **neutral-type** [ZJ19c]. **neutron** [FdSB02, RGMO19, RREP$^+$20]. **neutrons** [RREP$^+$20]. **Neville** [AGP97, GP93]. **Newell** [MDRR11]. **Newmark** [KW12]. **Newton** [LHT20, Agu15, AB07, ABM17, AMP20, Aro96, BLS$^+$17, BHSW16, BHSW20, CH22, CKB12, Car94, CCY22, CLL23, Fre91, GM93, GO18, GH21, Gug05, HH10b, HCW16, HST14, JKN94, JLL90, KYI17, LMP99, MYSC17, PKSB10, PR22, PGP03, SW09a, SY05, SL09, pSLqJcY16, SHLY19, Spi95, ST14b, WZ16, XZZL15, YH18, ZWFX22, ZZW97, Zha01, ZYH23, dOF20]. **Newton-like** [JKN94, GO18, ZZW97]. **Newton-multigrid** [HST14]. **Newton-PSBTS** [ZWFX22]. **Newton-type** [PGP03, pSLqJcY16, SHLY19]. **Newton/GMRES** [PKSB10]. **Newtonian** [CCLT10]. **NFFT** [HNP17, Nes16]. **Nicolson** [ZJH18, ZR15, AD20c, DLM20, FP02, FSWZ19, HJYL19, KTYY24, LFB00, LL19, LZCF21, LJ20a, QH22, QXG21, TH18, WH19a, WZ22, YCWH23, ZL17]. **Nicolson-type** [QXG21, WZ22]. **Nicolson/Adams** [ZJH18]. **Nicolson/fourth** [AD20c]. **Nicolson/fourth-order** [AD20c]. **Nine** [Pot85, Lyn92, WG11]. **nine-point** [Lyn92, WG11]. **ninth** [ST20]. **NIPG** [RG22]. **NIRK** [KK20b]. **NIRK-based** [KK20b]. **Nitsche** [BDDV12, BH12b, DZ12a, DBDV10, MAG13, ZKO$^+$21]. **no** [BtTBV87, Die20, Kni95, Tsy96]. **nodal** [HMdV03]. **node** [Bai97, DTGN23, EN09, SGN08]. **node-centered** [EN09]. **node-centred** [SGN08]. **nodes** [CMP15, CHS17, KK09b, OT21, PL20, SR09, SMJ24]. **Noether** [Dor01]. **Noether-type** [Dor01]. **noise** [AHO16, CGH23, CL18, CDI$^+$24, Hou23, HLY22, Kha21, KZ13, KR12, KKR15, LLY21, LS24c, LT19, MH04, MRS10, MT20, SD24b, TN16, WYY20]. **noise-removal** [MRS10]. **noises** [Bac18, BTBR20, ST19]. **noisy** [KLS13]. **Non** [ADSS17, AMR12, BS00a, BFdS10, FR14, FBM17, LY10, LDP$^+$14, NTT22, NLZB23, PSP04b, PPS05, RTA19, SCLL21, TJ12, XL09b, AD15, AS11, ABH22, AHT17, AK00, ACMR06, AMV17, Ang06, ASCM02, AGKK94, AM10b, BAA22, BUL23, BBD18, BGM19, BRVC09, BM06a, BP12b, BTDV10, BO11, BMV06, Buc04, Buc17, BDD$^+$20, BJ06, BCS06, BB98, CL01a, CP97, CM02, Cat10, CLR11, CC04a, CKK10, CCJ99, CLS04, DDP12, Dea11, DDGN23, DS97b, DM11b, DN08, DSZ15b, DSZ15a, DTQ$^+$20, Ehr08, EL01, FvdMS17, Fou00, FM11, GKKM21, GS20, GP98, Gul15, GS94, HM01, HK22, HL02b, JHGZ20, Jun97, KSHB21, KLSW06, LH11, LSV22, LLKJ21, LRC19,

LR20a, LGS21, LC99, LVW21, LMTW20, LS24c, LOM98, LJ20a, MDRR11, MVVA09a, MST09, Mon21, MT20, PK23, PGDB08, PFHL09, Pis22, QH19, RS09, RV04]. **non** [RV05a, RGMO19, Rou20a, SRK21, Sch93, Sch04, SNOK21, SB14, SYG+05, SG00, Sin23, SH21a, SA18, SA19, Ste05b, TLQ21, TW00, TWH21, TWD23, Vab21, VL08, WTB24, WZ14, WT17, WG22, XYHM20, Zha20a, Zha20b, Zha21a, ZX22, iV09, Pet92]. **non-asymptotic** [Sch04]. **non-autonomous** [CL01a, DM11b, LMTW20, MT20, SB14]. **non-clamped** [BBD18]. **non-classical** [AS11, CCJ99, Sin23]. **non-commuting** [BB98]. **non-compactly** [Ehr08]. **non-conformal** [CLR11]. **Non-conforming** [XL09b, DDP12, DN08]. **non-convex** [AM10b, BDD+20, CP97, CKK10, LS24c]. **Non-cooperative** [SCLL21]. **non-cylindrical** [BCS06]. **non-Darcy** [EL01]. **Non-degeneracy** [PPS05]. **non-equidistant** [DS97b]. **Non-equivalent** [PSP04b]. **non-existence** [SNOK21]. **Non-Fickian** [BFdS10]. **non-globally** [WG22, Zha20a, Zha20b]. **non-gray** [GS20]. **non-Hermitian** [SH21a, Zha21a, Pet92]. **non-homogeneous** [AMV17, BP12b, PFHL09]. **Non-iterative** [NTT22]. **non-Kerr** [DTQ+20]. **non-linear** [AK00, BGM19, BM06a, Buc04, BJ06, KLSW06, LC99, Mon21, PK23, SRK21]. **non-Lipschitz** [TLQ21]. **non-Lipschitzian** [WZ14]. **non-local** [ACMR06, Ang06, BMV06, MVVA09a]. **non-lumped** [GS94]. **non-magnetic** [LSV22]. **non-matching** [BTDV10, Ste05b]. **Non-monotone** [FBM17, BAA22]. **Non-negative** [LDP+14, CLS04]. **non-negativity** [AHT17]. **Non-optimal** [RTA19]. **Non-oscillatory** [TJ12, ASCM02, DSZ15b, DSZ15a, PGDB08]. **non-overlapping** [BRVC09, Jun97, LOM98, RV04, RV05a]. **non-parametric** [AGKK94]. **non-periodic** [BO11]. **non-perturbative** [Cat10]. **Non-polynomial** [ADSS17]. **non-quadrilateral** [TW00]. **non-rationally** [Sch93]. **non-reflecting** [Dea11, GP98, SG00]. **non-self** [ZX22]. **non-self-adjoint** [Gul15]. **non-selfadjoint** [HM01, XYHM20]. **Non-separable** [AMR12]. **Non-Sibsonian** [BS00a]. **non-singular** [KSHB21, LLKJ21]. **non-smooth** [BUL23, FvdMS17, HK22, TWH21, TWD23]. **non-spatial** [LGS21]. **non-standard** [FM11, MDRR11, RGMO19, WT17]. **Non-stationary** [LY10, Buc17, CC04a, LJ20a, QH19, Vab21, WTB24]. **non-stiff** [ABH22]. **non-symmetrized** [HL02b]. **non-trivial** [CM02]. **Non-uniform** [FR14, NLZB23, AD15, Fou00, JHGZ20, LH11, LRC19, LR20a, LVW21, MST09, RS09, Rou20a, SYG+05, SA18, SA19, VL08, iV09]. **non-vanishing** [Pis22]. **nonautonomous** [GHHG22]. **noncompact** [Maj14, YT21]. **Nonconforming** [BMS89, JP08b, LS24b, YLL09, CK98, CZS04, GHT05, HD22, JK14, Kan04, Kim12, KOS+12, LWW23, LN21, MCS06, MZS10, MP20, Osw97, Par04, Ris05, SY18, VMS07, WSY18, ZCZ15, ZSS23, ZZZ19]. **nonconstant** [CCL04]. **nonconvex** [CCY22, GZW22, GT02, HZC22, HZCZ23, PS19, SL08, WH23]. **noncooperative** [CZ19]. **nondegenerate** [KL98]. **nondifferentiable** [MH16a]. **nonempty** [Lee23]. **nonexistence** [BSV09]. **nonexpansive** [AHAS21, VA21]. **nonhomogeneous** [BJ00, jWS20]. **Nonlinear** [Bar05, BL91, De 93b, DSS15, EH91, LW20b, MSS+15, Que21, RBBC85, Ren13, SM85, SW13, SCT05, Tan01, WZL08, AC98, AZA22, AKM+22, AGLRS23, AAL21, AI19, AS20b, ADR17, ABI22, AAM03, AB07, ASZ18, ALM04, AJ24b, AGQ+24, AMP20,

AD18a, AD18b, AD19b, AAB+22, AO91, ADH00, ÁMS14, AKA19, AEN22, Aze22, Bac14, Bac16, Bac17a, Bac17b, Bac19, Bac21a, BY09, BUL23, BHJJ06, BLS+17, BGG04, Bas21, BBD20, BMM03, BNH01, BS10, BK21a, BK21b, BKP14, BSV09, BSQ96, BBRS97, Bog16, Bog20, BGP11, BVRB14, BRBB18, BMV19, BC23, BT98, Bru92, BC97a, BKW06, BIMV19, BRS+18, Bus06, CHP19, CCL22, CC23a, CNA23, CCG13, CW98, CS94, CHNN20, CJL13, Cha17, CR05, CL07, CZY08, CDW19, CWHF19, CC20a, CWP21, CWY20, CNS00, CGPT19, CGTTN24, CMP23, DS21b]. **nonlinear** [DW00, DS17, DN21, DA17, DM09b, DZ12b, Den15, DL20, DHWL22, DL22b, Die15, DKL24, DSSC13, DL16, DHM09, DCY20, DTQ+20, DAMA23, ESEKZ10, ESE20, EJS11, EHV19, EHV24, FID18a, Fdi96, FWHM20, Fer96, FI03, FZM20, FV87, FJS99, FL01b, GLS09, Gan09, Gan96, GS99a, GLLW14, GM16, GHHG22, Gar96, GHKM09, GMS12, GO18, Gon06, GGNP02, GT93a, GKA17, Gu20, GWLN22, Güm20, GW20, GD23b, HM87, HJS97, HMN20, HA21, HCS20, HS20, HTSZ23, HdSRI17, HZ20, HZD21, HMD21, HK93, HM09, Hey19, Hey20a, Hey20b, HAA21, HAR21, HS95, HMY19, HJKW17, HJL18, HJYL19, HL21, HL24, HLJ20, HCGW22, Hua98, HJX+19, Hua20, HZAT21, IKR+22, Iga85, IK24, Ius97, JZK06, JUAZ22, JRS20, JRT90, JHGZ20, JW01, Jia12, JZZH22, KM95, KN19, KK06, Kim07, KNT13, KSSS16, KKLD21, KS04]. **nonlinear** [KKP17, KK17, KK20b, KTYY24, KLSW10, KDKW20, LO22, LRS23, LPT94, LZQ22, LW93, LOS03, LLKJ21, LA11, LHW17, LSWM19, LR20a, LW21a, LGS21, LZ22, Li22, Li23, LC24, LWLW24, LSG24, LKJ20, LY03, Liu09, LZL14, LL21, LLZ+22, LSWW22, LS24a, LHT20, LMP99, Luo18, LYA+19, LLW20, Ma03, MH16a, MMP09, MDP10, MD20b, MD22, MK14, MP11, MS19, MK21, MKN23, MS02, MN24, Mik97, Moe98, MD23a, MEGW23, Naj20, NYPW21, NDM20, NC16, Odi19, OB24, Oji88, OFY+23, OT02, OTK04, PXHZ20, PK23, PM91, PD01, Per99, PA91, PVM22, PR22, Pło22, QNA23, QM20, RE19, RZS21, RV22, RN22, Rha99, RLHC19, RT14, RV05b, RGA19, Rou20a, SSW20, SRK22, SHL19, SH97, Saz24, SH09, Sch09, SS99, Sch98, Sch87, SRMDRL23, SY05, SY07, tSqWyG16, SYY20, SZ12, SZ17]. **nonlinear** [SJ20, SW20a, SXL22, SZ22b, SWB21, SVB17, SC03, SS09, SG92, SL01b, Tah96, TWH21, TH23, TH09, UWY22, UHUL21, VSG17, VP91, VMP03, mWyG00, Wan01, Wan07a, Wan07b, WL09b, WC11, Wan11, WZ14, WGW15, WZ16, Wan17b, WL18, WW19, WMLB19, WH19b, Wan20, Wan21, WY22, jWC22, WL22, WCM23, WXY24, WLY24, Wei09, WP99, WSHC20, WB03, WYYL19, WG23b, XZ19, XY19, XLZ20, XZL07, XZZ19, XLKY19, XGQ20, XCHW22, XXF22, XP23, YMD21, YH18, YLY19, YLFT20, YZC21, YS22, YWH20, YF24, YLS+09, YLH20, Zak20, ZAED21, Zha96, ZH09, ZJ19a, ZYLL20, ZG21, ZWFX22, ZQZ23, ZSS23, ZZW97, Zha01, ZZX20, ZYX20, ZPT92, ZW19b, ZZ19b, ZJ19c, ZSZZ20, ZZLL21, dlC23, in 95]. **nonlinearities** [LYA+19, NYPW21]. **nonlinearity** [Fuh01, HK22, LC24, WWL21, XLKY19, Yan21a, Yan23]. **nonlinearly** [MŠ99b]. **nonlocal** [ADFR18, Bor02, BIMV19, CCQ+23, CFL+20, Deh05, DM09b, FL23, GZQS23, HGZW21, KBS11, LL20b, Ma24, MSZ+24, MVVA09b, NY13, PD01, Pło22, QXQ22, VS91, WWLL23, YQCZ22, ZXYW22, ZWJ18, ZW19a, Zhe19]. **nonlocally** [EEE22]. **nonmatching** [CH19]. **nonmodal** [Dat99b]. **Nonmonotone** [BKAG22, ZH15, BBD18, MD23a, YLL21, Yu08]. **nonnegative** [BWY03]. **nonnegatively** [FLMR14]. **nonnegativity** [Hor93]. **nonnegativity-conserving**

[Hor93]. **nonoscillatory** [HOEC86]. **nonparaxial** [MP11]. **nonquadratic** [NH24]. **Nonreflecting** [Rya00]. **nonselfadjoint** [CX01]. **Nonsingular** [XZH19]. **Nonsmooth** [LO96, ZXW17, AGZD22, Aca12, AAB+22, BG02a, BRW17, BRS+18, CLX21, Nke07, Ril92, SND21, WH23, Zak20, dOF20]. **Nonsmooth-data** [LO96]. **nonsolvable** [CC90]. **Nonstandard** [KCC04, BF01, CMMR23, MCD20, Mic03, VRC21]. **nonstationary** [Cao01, CHLA21, Qiu23]. **nonstiff** [AJ19, AFS00, BF92b, Cha98, CM07, CX08, Pan07, VS94]. **Nonsymmetric** [GH20, AL05, Cao98b, Cao09, CK98, Jes93, KG90, KCB02, MRS10, SEGV02, YG95, YSBL14, YXX19]. **Nonuniform** [JM94, CS18, DSSC13, Li01a, LWW20, MS90, Tur86, KQ13b]. **nonunique** [CY98]. **nonviscous** [LKJ07]. **nonzero** [RS20]. **Nordsieck** [AH15, BJ05, PWS06]. **norm** [AFF+15, CKB12, CXZ14, Che16, Dol14, EFLFP09, FP02, Gab02, GZW22, GPHA22, Hor99, HAC22, JM05, Kra92, LCH20, PR22, WCS21]. **normal** [CFRA08, CJ90, FH10, FMU15, GS09, LW22, dPT96]. **normalized** [Auz03, Tan23]. **normed** [BRIP08]. **norms** [Bre02a, GCHR06, HJP10, KK22a, Liu21, TM05]. **note** [ATW20b, Ano04m, AHS03, BY22, Ber15, Cao97, CS17, EK96, FS19, GKS20, GLM18, HV95, Iva07, JW01, Jun07, JK20, KM16, Li12, Lon88, Mar93, MVVA09a, MdD04, Mul19, NR14, O'L87, RSK14, TY03, Wel10a, YSBL14]. **Notes** [DT10, BW96b, DN24]. **Novel** [BLD17, HA21, LC21, NMSF94, TWMP20, WWF20, AN22, BHL+21, DSAB20, ESE20, FM21, KCY19, KR20, LMSW17, LCL18, MC17, NSD23, SAMSB20a, Tem23, UHUL21, WLM21, XLZ20, YZQ+22, Yan22, ZZL17, ZZJ21]. **November** [Ano21q, Ano22x, Ano23p]. **NtD** [CAAT16]. **nuclear** [GZW22]. **NUFFT** [MZZ17]. **null** [Lee23]. **nullspaces** [SY05]. **Num** [AS21]. **NumAn** [ADG+16, HKNV16]. **Number** [FG01, PGM86, BG11c, BS96b, CH95b, CG14, FHM+02, GK19, GS09, GPíP03, HD04, KO96, Kwe01, LHH08, LH09, MP20, NCYC22, PBC08, SBBC21, dC18a]. **numbering** [BW97]. **numbers** [BBLT15, BD22, CMS06, GK93, LW18a, LL20a, LLW22, SQ17, SFZ21, Win01]. **Numer** [Bic21, Kni95, TLP18a, Tsy96, YP18a]. **Numer.** [BtTBV87]. **numeric** [CBHY11]. **Numerical** [AD19a, AGLRS23, Aff94, AD08, AJT19, Ale11, ALY03, AO05, ASS21, AL87, AX20, ALM04, AM10a, Ano02g, ADM10, Ari04, AS06, AC16, BP02, BCFQ19, BCFQ21, BFQ22, Bec02, BDES12, BNV06, BGM+09, BBCS05, Bho11, Bho12, BR94, Bog20, Bor16, BMP05, BBL02, BG11c, Boz11, BFdO07, BFLR23, BGHR12, BGH+15, BCDP17, BH85, Cah89, Cah92, CSS19, CDV00, CCMSS11, CCG13, CCdlH20, CHPV09, CST18, CCK03, Che12a, CPY20, CBD16, CF08, CFL+20, CFM+24, CF05, DZ12a, Dal00, DS24, DS07a, DN21, DGCW17, DG96, Den07, DS23, DL13, Die15, DRC85, DLM02, Eis86, EZ03, FF06, FFMZ13, FMW18, FL24, GM85, GKT10, GNAS+20, GJLL20, HKS86, HM87, HLR18, HM00, Hey20b, HPW21, HJ06, IMC22, Jac87, JRW06, JUAZ22, JRS20, JLZ20, JMP06]. **Numerical** [Jun06, JT06b, KX91, KW21, KOS21, KME20, KO92, KHM+19, KW95, KP07, KS04, KPR12a, KDAK16, KP19, LRS23, LA12, LP24, LMV17, Le 12, LZH19, LLY21, LHC23, LWaZ24, LLT07, LZW17, LKJ07, LO03, Liu97, LHX20, LP97, LM22b, LRE04, MO17, MP96, ML16, MSZ+24, MNR14, MF99, Mat08, MS02, MQ00, MH04, MCBV20, MMM19, Mok17, MDASAO21, Moo95c, MRFF17, Mot17, NP21, NS12, NER95, NA21, ND85, Nür09, Obe15, OB20, OB24, OZHP23, PT09, PTV20, Pel15, Per88, PS00, PA05, PWS98, Pot97, QAE+09, Qi24,

RP17, RC18, RMM12, RLHC19, RAOC18, RMS17, RX08, RO16, RBT15, SA90, SKBAS08, SKAW12, SH02, SR88a, SWW17, SYL+20, SSR23, SC03, Son91, SR88b, ST05, Spi90, Spi93, Spi97, SG92, Str98b, SH91, SSPZ20, SAMSB20a, SAMSB20b, TER03]. **Numerical** [TKN11, Tia15, Tsy98, Vab22, VA05, Van92, VBD93, VP91, Wan09, Wee01, WL24, Wu09, XGM08, Xiu08, YZC21, YLW20a, Ye04, ZM19, ZYQS21, ZG21, ZYC22, ZJ19c, ZCSH11a, ZAB15, de 92b, de 93a, vHA98, AD21, ALMM01, Abu04, AACP20, AQS94, AL95, AA22, AEMX17, AA20, AR23, AEA23, AFIS24, APA92, Ang06, AD01a, Arn93, AS00, AKS21, AAD14, AM16b, Auz03, ÁMS14, BDMG12, BBV13, BRW21, BBCR22, BGG04, Bas21, BZ92, BO04, BLRGVR23, BB15, BGG+21, BDNV19, BCCHM21, BT19, Bla01, BCF+13, BtTBV87, BDFV95, DLS22, Bor02, BBBN21, BHJ13, Boy91a, BFdS10, BLL24, Bre10, BS08, BMWH20, Buc04, BGS02, BC89b, BC89c, CHM22, CFKS07, CL08, CG92, CL85, CD95, CW98, CP05b, CGN03, CK22, CJ18, CJ90, CZY08, CLTA18, CAAT16, CJ24, CMMR23]. **numerical** [CDR20, CNS00, CM04, CRSF19, Cul95, DD21, DD19, DS21b, DDZK05, DS17, DLN+24, DG10, DA19, DZ12b, Den93, Din19, DMQ02, DSK12, Dob05, DBBH14, DC09, DZMB21, DAMA23, ESEKZ10, EEE22, EE20, EL01, Fai00, FS23a, FW07, FHM+02, FJ97, FL15, FvdMS20, FGP23, FdSB02, FMSV07, Fra04a, FLL11, GS24, GS19, GLML20, GQ89, GD23a, GMG19, Gla93, GeO24, GML00, GMGF02, GLM09, GOP06, GO19, GKL07, GL17, GS21, GGT24, GN86, Guo96, HZBM05, Han19, Har09, HHT97, HM01, HHL23, HMN20, HJ05, HO24b, HZD21, Hin97, Hor99, Hor02, HA16, HDS20, HWZ22, HJ21, HZAT21, HBJ09, IV16, Isk89, IKM23, IMM04, JL91, Jac96, Jad94, JK21, JK17, JQYM23, JL17, JR02, JCSR03, JT88, KMS19, KHLV22, KV95, KD13, KAS22, Kel85, KC94]. **numerical** [KHB22, KPR06, KK09a, KNP16, KKW00, KKN+17, KK20c, KAS17, LO23, LPT94, Lau17b, Lau17a, Lee94, LLKJ21, Leo10a, LD10, LSK12, LYF17, LMY18, LZ20, LL23, LSL11, LC99, LT00, LZL14, LLD18, LTT19, LL21, LC21, LR87, LARGVR23, LFP04, LFS15, LP00, LD02, DLM16, Ma03, MDD14, MD19a, MPTT17, MHA19, MN23, MS03, MD19b, MS19, Man97, MRF00, Map05, MVVA09b, MV17, MPV24, MSS+15, MP15, MDD18, Mur15, Mur99a, Mur99b, NRWF08, NK11, Naj20, NMKE13, NMSF94, NLS18, NT92, NSD23, NLZB23, NS16, OS08, Oji88, OCVW22, PR89, Par21, PB21, PK21, PVM22, Pet00, PT23, PP92, PFHL09, Pło23, PCA10, PMP23, PYD21, QNA23, Ram94, RI02, RSR23, RV22, RG05, RN22, Ril92, RLMG24, RGA19, RREP+20, Rou20b, RGK21, RMK09, RT95, RTT01, SHL19]. **numerical** [SDK24, San89, SB03, SY03, Saz22, Saz24, Sch91, SS94b, SNOK21, ST19, SOB20, SGS20, Sid10, Sid14, Sid23, Sim93, Sim91, SKO19, Sol15, SvdHK94, SS02, SSKS21, SWR11, Tah96, TYKK01a, TBRBM20, TOD11, Tho85, TK05, Tor06, Tou97, Tsy96, Uty08, VO00b, VV07, VRC21, VV95, VBVA22, VN21, Wag85, Wan01, Wan07b, WL10, WQ17, WH18, WB92a, WCGW95, XL09a, XF22, YBL13, YLFT20, YZ21, YRV21b, Zak19, ZP24, ZRA23, ZXYW22, ZWH+17, ZY19, ZJ19a, Zha20b, ZJH+23, ZL11b, Zha21b, ZML+12, ZZJ21, ZP97, ZB19b, ZCC11, tV87, van86b, van98, vdHSW98, Ano87a, BJS12, LW19a]. **Numerically** [War92, CH04, MD20c, MAD23, WT08]. **numerics** [FJH+01, HW04]. **Numerov** [AGM09, FW08, Sim91, Wan07a, Wan11, ZR15]. **Numerov-type** [Sim91, FW08]. **NUMOL** [Dia95]. **Nunziato** [TKN11]. **NURBS** [ZS18]. **Nyström**

[Pat98, AMCM08, AS20c, BDP99, BBCR22, BCR01, BCET22, DSM22, CL14, CSLY19, CPR93, DM11b, Fer09, FL20, GMG04, GML00, Hoa15, Lab98, LW17, LW19b, LS05, Mur98, Pat00, PA05, RG20, Som93, Tau09, TH23, VDVV98, VV02, vSC92, CH95b]. **Nyström-based** [TH23].

Object [LLS+96, EMMK01]. **Object-oriented** [LLS+96, EMMK01]. **objective** [ZH20]. **objects** [DH12a, ESS15, IT07, QL16]. **oblique** [Sod91, WN12, WL16]. **Obrechkoff** [VV09]. **observation** [FL23]. **Observations** [Pet87, Quy19, YGY15, YK07]. **observed** [FV01]. **observers** [PGC01]. **obstacle** [BS14b, Imo00, KJL12, Map05, QL15, Zou11]. **obstacles** [AA20, WG19, YWW23]. **obtain** [PLB22]. **Obviating** [AM16b]. **Occasion** [CHM09, EST15]. **Ocean** [AL87, Beh97, Lee94, LG02, RG05, RMM12, RW87, TK19]. **October** [Ano23u, Wen10a, Ano21m, Ano22m]. **ODAE** [PP92]. **odd** [AS05, BtTBV87, tV87]. **odd-even** [BtTBV87, tV87]. **ODE** [Aro96, BM09, MPG+16, SSV89, SKS23]. **ODEIVPs** [Bur93b]. **ODEs** [ABH14, AH15, AB97, AV96, AB98, AB09b, BK06, BT97b, BM02, BM06b, BKW06, BP06b, CCMSS11, CM97, CS24, CPR93, CMP23, Gea93, GX93, HS09b, Jac96, JN02, KC19a, KKP17, LS07a, LW20b, MW93, MQ03, Mur98, Mur99a, PK23, Pat98, SC11, Sal89, SA12b, SK16, Sha85b, Sha05, VS95, WSP97]. **off** [FV85, Fuh01]. **off-diagonal** [Fuh01]. **oil** [Aff94, FBS09]. **Old** [Cuy90]. **Oldroyd** [AD20b, ZQY18]. **olive** [BS24]. **omitted** [BB10]. **on-the-fly** [BMR+17a]. **One** [Buc06, De 88, Gil10, KL09, Pet87, ABI22, Bac14, Bho12, BFA93, Bok03, CP05a, Chi93, CJ23, CJ24, CY05, CBHM19, CN11, DR09a, DL13, Eir99, EK97, FP02, FD97, FdSB02, FR18, Guo01, HZ09, Hin97, Hor99, Hua00, HL89, JZZH22, JCJP21, Kam00, KTK20, Kie95, KS09b, KDKW20, LL98, LAH09, MQO17, MB20, MII13, Moo95b, Mus11, Saz22, SMEN04, SLJ86, SM93, Sha85b, SJ11, SW12, Ter22, TYJ11, TM04, Ver93, WZL08, Wan17a, WJW19, WSS97, XZ19, XL23, XZT21, YDWW17, ZH09, ZZW97, ZQLK11, Bru97]. **one-** [JZZH22, Saz22]. **one-block** [Guo01, ZZW97]. **One-Dimensional** [Pet87, Bac14, BFA93, CJ23, CY05, FP02, FD97, HZ09, Hor99, JCJP21, KS09b, LAH09, MQO17, Moo95b, Mus11, SLJ86, SJ11, SW12, XL23, XZT21, ZQLK11]. **one-field** [WJW19]. **one-leg** [Hua00, WZL08, Wan17a, ZH09]. **One-level** [KL09]. **one-parameter** [Hin97, XZ19]. **One-point** [Gil10]. **one-sided** [ABI22, MB20]. **one-speed** [FdSB02]. **one-stage** [Chi93]. **One-Step** [De 88, Buc06, Bok03, EK97, Kie95, KDKW20, SMEN04, SM93, Sha85b, TYJ11]. **one-way** [Ter22]. **Ontario** [CFTW08]. **Oono** [WaZW21]. **Open** [Gus88, Gla93, HGR01, HLL09, Kim14, Mai09, Man97, Mar94, RW87]. **Operational** [MZ87, HA21, LIPT18, Lub92, MS19, Mok17, SSA+22, SSKS21, UHUL21, dlHV13]. **operations** [HR14, IMM04, MI03]. **Operator** [Bi20, CT21, GV02, LCW20, SvV22, AKM+22, ABdSG23, AMT13, AHS03, AB14, BF15, BMR+17a, Bie12, BC05, BC04b, Boh21, BFH09, Bre06, CHP19, CM02, CS19, CC20b, GK09, HPH20, HDY21, HCGW22, HD23, IHS13, Kan04, Kie15, KNT13, KvyS15, LO22, LZJ21, LZZ22, LC24, LIPT18, LMS08, Lte24, MS99a, MV18, MG22, Odi19, Ost02, Roo20, SCT05, SN04, Vab21, WD22, WS22, WK00, WL24, WWLS08, YXZL24, ZZ18, ZWH+17, ZZX19b]. **Operator-compensation** [LCW20]. **operator-splitting** [AMT13, BC04b, Lte24]. **operators** [ACP24, AL95, Auz03, BRIP08, BK06, BCE04, BMV06, BLL24, Chr01,

DV20, EH07b, GGMP88, GSR00, GP04, GS05, Haa97, HB02, HH98, HM01, HZ02, HS97, LLT20a, LLT20b, LYC24, MMP20, Osw97, PGA93, Pel15, RGÖS18, Str98b, SGN06, TLQ21, WKN20, Xu13, YBL13, YY24, vSW90]. **Optical** [BFS17, ASZ15, AES13, BCMV03, Den07, YLW20a]. **optics** [DHL00, RVdCVR02]. **Optimal** [AMP03, AMCM08, APA92, AW09, BTBR19, Bac21b, BL21, BS05, CC18, Chi93, CL20, CGS20, DM09b, GS99a, GP98, GS21, HQAZ24, HJKW17, HJL18, IPL02, KP18, Kał22, KMG09, Kwe03, LMWZ10, LW21a, LYZJ23, MG97, Nke07, ST09a, SHA12, YS22, YJ23, ZZHS18, ZLWF21, AA04, ATW20b, AJW23, AM99, AM00, AVMVMV09, ARSW05, Bac19, BCT16, BGH08, BGP11, BVB09, BSZ15, BH20, CKP15, CLY19, CZHX19, CL18, ECB07, EGL09, FS23b, FG13, For11, GK19, GWLN22, Has08, HA21, Hey20b, HL19, KMH21, KP15, KR15, LZ20, LAZ20, LCH20, LZIZ23, Lot19, LDH+24, MZS10, MKH16, NX22, NK11, NH24, NSD23, Odi19, OAHN22, PLI03, PS21, PRS20, RTA19, Rou20a, RSD+06, SSW20, SSS+23, SS19, SG00, Sim94b, TLQ21, WZZ21, WCL22, WCJ23, XL11, YGY15, YJ21, Yan23]. **optimal** [YK04b, YÇ16, YBW20, ZZ19a, ZLW20b]. **optimal-** [FG13]. **Optimal-order** [ZLWF21]. **Optimality** [BCV21, NSD23]. **Optimally** [KLSW06, Qiu23]. **Optimally-stable** [KLSW06]. **Optimization** [Bie87, CDI91, Jor11, LHÖ13, SS09, AH09, AD99, CH87, CLL23, CD18, CMS06, DW15, EM05a, EM05b, Fer14, For02, GM08, GMZ08, GM10, GGNP02, HZC22, JQYM23, KK11, Kim19, Kok08, KLS13, KL87, LS10, LS86, LT05, LB21, lLXhLZ21, lLX22, ML16, Meh08, Min87, MK19, NK11, Ou11, PTW19, PCR17, RP01, Ren99, Rha97, Rha99, SP99, Sch09, SWJ09, SZY21, SGY22, SA08, SdSC99, TLP18a, TLP18b, WM08, Wan23, YZ24, Yu08, ZH20, ZYH23, ZWL11, ZP12]. **optimization-based** [Kok08]. **optimization/simulation** [Min87]. **optimizations** [LYZJ23]. **optimize** [CD18, IMM04, MI03, SH02]. **optimize-then-discretize** [CD18]. **Optimized** [Chn17, LCM22, OH20, QLL+08, Tsi01, AKGR14, CM02, GKMS09, Mar05, SEGV02, Ven15]. **optimum** [Meh08]. **option** [AD99, CF08, FV01, GGO13, GK22, KKT16, LL15, RG21, ZW09, ZJH+23]. **options** [ALY03, AO05, BP14, BAD13, BNV06, BDOG19, Bis11, Bi20, CGEV19, CXZ15, CPOGO17, itHT18, HFL13, DLM16, MHL18, RP17, Rou20b, ST11, ST14a, SB19, TGB08, ZGO12, ZO14]. **orbit** [DG10, vdHMdS99]. **orbital** [GML00]. **orbits** [Zha19a]. **Order** [BCJW17, Bur85, BT97d, But98, But09, Gar10, IN89, Jac87, NNJ23, Sim98, ZM17, ZJ10, AD20c, AD21, ACKV24, AH11, AB12a, Abu04, Aca12, AP20, AJ24a, AKG14, AB88, Agu15, ASA20, AB15, ATW20a, AES15, AEMX17, Ale11, AM99, AM00, AMC02, AMCM08, AMCR17, ACMR06, AKBF19, AHR12, ABI22, AL17, AT13, AAEMY21, Bac17a, Bac17b, Bac19, BTBR19, Bac21a, BMGM12, BG11a, Bai02, BCG21, BOEP00, BFS17, BBD20, BM05, BKR13, BM01, BNV06, Ber04, Ber05, BZ17a, BCC16, Bic21, Bla01, BCR01, BC05, BM06a, BCET22, BC01, BVV09, Bos09, BTC23, BJ11, BIO24, BR20, Bra22, Bra00, BMPR15, BDRZ19, BPTT15, BRBM08, BBKS07, BT95, BMM97a, Bru07, BJTZ20, BO21, BDM03, BB96, BB98, BS96b, BJ98, CFLW22, CH95b, CSSZ20]. **order** [Cam99, CPP02, CGA96, CM13, CDP17, CGA93, CHSS01, CP05b, CS19, CES91, CCC08, CS03, CYM09, CJX11, CXZ17, CC19, CSLY19, CWX21, CS08, Che12b, Chi21, CRU15, Chr01, CN16, CS18, CCJ99, CDR20, CST97, CD00, CN11, CN15, CN17, CLS04, Coy12, CP03b, DRVA20, DKSS24, DV20, DR09a, DR09b, Deh05,

DDNZ18, DZ12b, Den15, DL22a, Den93, Din19, Dit21, DB08, DC09, DL21b, DCL23, DJJ+15, DAMA23, EHM01, EJRR23, EES05, Elg17, ER18, EL97, EP15, EN09, EW97, EH09, FK23, FJ17, FS23a, FW08, FWHM20, Fer93, FJP17, FZM20, Fou00, FG09, FM11, FL24, FHX22, FGGL22, GS99a, GX11, GLLW14, GS19, GLML20, GZQS23, Gar96, GMG04, GP23, GHH20, Gem23, GLPW09, GÖ20, GJ00, GPMPR03, GML00, GOP06, GGR97, GND19, Guo00, yGqWsWC05, yGpY09, GHF00]. **order** [HGM+21, HP85, HHR12, Han19, HS11, HKO12, HAN23, HP18, HOEC86, HLMP09, HAML21, HMN20, HA21, HPH20, HTSZ23, HO24b, HEG16, HZD21, HMdV03, HS17, Hey19, Hey20a, HAA21, HAR21, HGZW21, HvdHV10, HL21, HST14, INR01, ITZ17, IT16, IB24, IKMM23, JM17, Jad94, JUAZ22, JJ94, JCL18, JZXJ21, JWZ21, JN07, Jia12, JL17, JWG20, JQSC22, JZZH22, JY23, JJL+24, JCN94, Joh05, KN19, KS00, KMH21, Kat89, KM19, KK20a, KC19b, Kha21, KHB22, KLY05, KL07, KK09b, KwS19, Kim21, KHYY21, Kom07, KM18, KCW16, KZ13, KOS+12, KKP17, KLSW06, KW10, KDD23, KK23, KDKW20, LO22, LCVG01, LH11, LHHR94, Lee94, LLKJ21, Lev91a, LPR00b, LX08, LMWZ10, LYF17, LW17, LR18a, LR18b, LMY18, LL19, LLJY20, LH20, LWY20, LXZ21, LW21a, LZ22, LXZS22, LQXK23, LH23, LX09, LWZ22, LTT19, LHX20, LS20, LW20b]. **order** [LL21, LSY21, LCZ23, LS24c, LMG02, LE94, LL02, LDH+24, Lua17, Luc05, LJ20a, LR20b, LJ20b, MPTT17, MS08a, MZXX24, MVVA09a, Mat09, MYSC17, Mit22, MMM19, MPtM16, MFAD23, MD20c, MD96, MRFF17, MK99, Mur98, NK11, NP21, Nap16, NSCC19, NV23, NT16, NT20, Nic86, NWL+22, ÖT20, PZMX16, PNA21, PGDB08, PHY19, PCR17, PJB04, PMP23, QW04, Qi24, QXQ22, QR24, QXG21, Qiu23, RR21, RZ00, ROB17, ROL19, RMH20, RZ18, Ran15, RA03, RR00, Ris05, RT14, Rog19, RTU15, RGA19, RTA19, Rou20a, RO16, SMJ12, SST12, Sac93, SAA20, SDK24, SA90, San02, SMB23, SM93, Set24, SB14, SSC23, SD13b, Sha87, SY18, SC20, SXL22, SL21, SP22, SZE+92, ST20, SKS23, Ske89a, SDK15, Sof17, SvdHN86, Som93, SA18, STS00, SS09, SS13b, Ste08]. **order** [Str98b, Sub04, SW17, SND21, SAMSB20a, SAMSB20b, TZ21, gTpM07, TX18, Tan23, Tan24, Tem15, TDW23, Tob14, TZA13, Tol03, Tol04, Ton04, TDPU17, TY00, Udd20, VV02, VV09, Vej10, Ven15, Ver96a, Ver06, VL19, Wai98, WDZS21, WKM04, Wan07b, WL09b, WWX13, Wan17b, WMF17, WR20, WDH20, WDU21, Wan21, WLM21, WHW21, WLG22, WWZJ22, WDL23, WG23a, WXY24, WLY24, WKN20, WAV12, WC14, WS22, Wen98, WB03, WYP12, XXYZ24, XWW19, XY24, XY19, XG22, XFL22, XWX21, XZZ19, XLKY19, XZT21, Xu21, YMD21, YV17, YJ21, YQCZ22, YZG23, YYZ23, YJ23, YT00, YBW20, YC13, YZH24, YDWW17, YXZ18, YRV21b, ZLY23, Zha96, Zha14, ZWH+17, Zha19b, ZYQS21, ZG21, ZLX22, ZLW22, ZJH+23, ZYQS23, ZZW97, ZFX17, ZZX20, ZLL22, ZLS20, ZZJ21, ZLWF21, ZZLL21, ZX14, ZSQ20, ZSQ21, ZL24, ebKMZ24, iW09]. **Order-dependent** [ZJ10]. **Order-preserving** [ZM17]. **ordered** [HP97, Not92]. **ordering** [ZY19]. **orderings** [Ara99]. **orders** [AMP03, ESEKZ10, SV00, Tsi01]. **ordinary** [AT93, Bac16, Bac17b, Bac21a, BJ05, BZ92, Bok03, BJ11, BJ20, BC89b, BB96, BB98, BC95, BJ96, BJ98, CL01a, CD95, Den93, Enr06, FMMK01, FH20, GGMP88, yGpY09, HJ05, IM98, Ise02, IJ17a, JVZ95, JVZ96, JAH21, KC19b, KW20, KDKW20, LMSW17, MP94, NMKE13, PVM22, RT95, San89, SZ12, SCvdH92, SL01b, Tem15, TYJ11, Tsy96, WCL22, XFLC00, YC13, ZG92b, ZLX19, ZC99, in 95]. **ordinate** [Sin24].

orientation [ACM91, LQXK23, ZML+12]. **orientation-field** [LQXK23]. **oriented** [AS05, EMMK01, FS24, GG95, LLS+96, MPG+16, SG05, WSS97, XHYM22]. **originated** [DRVA20]. **Orlicz** [LRS23]. **Ornstein** [ZGO12]. **orthoexponential** [Kür23]. **Orthogonal** [Ari03, BDMGVO05, AyLqW18, AB24, ADG11, BSFDM02, BR01, BRS16, Bre91, BDRZ04, BDRZ19, CIZ96, CKL03, CMR12, CCdlH20, Chu03, Cod08, DA18b, DR01, DMR10, DIR13, DM97, DJM09, ERS00, FRV11, FMPP24, FR18, FBM17, GG19, Hig96, JT09, Jou05, KS10, Lee10, LFB00, LZW17, LZY09, Mar94, MM02a, MdR05, Mie89, PK21, QWX20, SYW22, SG09, SKO19, SLZ10, TJK18, VVV24, WM07, XY24, ZZLL21, dACR10, RMM12]. **orthogonality** [BDRZ04, JJ15]. **orthogonalization** [SS99, ZNK02]. **Orthonormal** [HAA21, CaAL96]. **orthotropic** [RLMG24]. **OSC** [ZYLL20]. **oscillating** [CPR93, DYX09, DC09, FW08, Mar94, RCGM98, Sau00]. **oscillation** [ZYC22]. **oscillations** [ebKMZ24]. **oscillator** [EK95, MH04, ST19]. **oscillators** [CD20a, DS21a, FW07, GMGF02, JZJ10, YW08]. **oscillatory** [ACLM22, ASCM02, Cai24, CSSZ20, CC04b, Che12a, CSLY19, CEW00, Den93, DSZ15b, DSZ15a, Eva94, EW97, EC07, Fra04a, Fra06, GMG02, GMG04, Has09, Has13, Has20, Ise02, IKM23, KM17, KW21, KCI03, LWWX10, LW19b, Li23, LTT19, LW20b, LFS21, MK20, Maj17a, Mot17, PGDB08, SWL20, TJ12, VV05, WWX13, XFG19]. **Oseen** [AKL08, ASV19, Cao10, Cod08, KLY05, vdVS08]. **Osher** [HS86, LDIW16]. **Osher-type** [LDIW16]. **other** [DLM16, Ske99]. **otherwise** [BB10]. **Out-of-core** [MMBB07]. **outer** [MNSS22]. **outflow** [Nor97, Nor99]. **outflow-explicit** [MOU14]. **output** [CDGA17, FMS24]. **output-based** [CDGA17]. **overdeterminations** [HP14]. **Overflow** [FT96, FT06]. **Overhauser** [Arc06]. **overlap** [Pav00]. **Overlapped** [DS07c, DG22]. **Overlapping** [Coy12, TMS87, Wan05, ZHL03, ABCC18, BRVC09, GG22, Jun97, LOM98, RV04, RV05a, RGL16, SA12a, ZS21a, de 95a]. **overrelaxation** [HPY92, KP03b]. **overset** [QLL+08]. **Overview** [WP99, FNT06, Hsi06, MLK06, Sv95, Wei95]. **own** [KV07].

P [CHM09, Kan04, THW19]. **P.D.** [Ano87a]. **P2** [Kim12]. **P_SPARSLIB** [SW95a]. **package** [HSW99, HS02, HK93, HVY91, SH02, dH95]. **Padé** [Ari87, Kid90a, Sad96, AEG12, Bel91, BW15, Bre96, Bre02b, Bre10, But09, CL06, Cat10, Dar90, DMGVO05, DMGVPO09, GLLW14, Gil10, GVP93, GM94, KS91, Kid90a, Kid90b, Lor10, MdR05, MV20, OGV92b, Pre90, Pré95, Sad97, van86a, vI87]. **Padé-type** [Ari87, Kid90a, Dar90, Kid90b, OGV92b, vI87]. **PageRank** [LLVX20]. **Pages** [Ano21p, Ano21o, Ano21s, Ano21t, Ano21n, Ano21q, Ano21m, Ano21r, Ano22q, Ano22t, Ano22s, Ano22w, Ano22u, Ano22p, Ano22o, Ano22v, Ano22n, Ano22x, Ano22m, Ano22r, Ano23t, Ano23r, Ano23m, Ano23v, Ano23s, Ano23o, Ano23n, Ano23w, Ano23q, Ano23p, Ano23u, Ano23x, Ano24k, Ano24i, Ano24h, Ano24l, Ano24j]. **Painlevé** [AY15]. **pair** [Cul95, FW07, Tsi01]. **pairs** [BL05, BS92, Hig97, KW20, SV00, TM15, Ver96a]. **panels** [NBP94]. **Pantograph** [AS00, BGT97, DBBH14, HAML21, Ise97, Liu97, NLS18, Wan17a, Yan18]. **pantograph-type** [Yan18]. **papers** [FJ97, vdHSW98]. **Para** [BRS16]. **Para-orthogonal** [BRS16]. **parabolic** [AP16, AP20, ADK94, AA22, AES15, ADFR18, AMC02, AAI+93, APJ10, AED12, AN22, BKM13, Ben17, BGG+20, BC08b, BK21b, Bog12, Bog16, BJ03, BJ06, BCS06,

CS94, CJ18, CX01, CL10, CWHF19, CGW20, CYWH22, CL01b, CJ23, CJ24, Con20, Deh05, DK21, DSSC13, DCL23, DGS24, ELCWS98, EL94, FID18a, FHK05, FS23b, FM95, FJS99, GQ89, GD23a, Gol00, GDS+15, GJlL23, GPHA22, Gon06, GO19, GO23, HHAA22, HZBM05, HKO12, HM01, HP14, HW04, HO05, HCY18, HJYL19, IVA93, JCSR03, KL98, KDAK13, KL21, KS07, KZ13, Le 12, LCS19, LXZ21, LAZ20, LM21, LYLL23, LZIZ23, LARGVR23, LW95, LOM98, LO95, MD22, MS03, MR20, MVVA09a, MS90, Meu91, Mit24b, Moo95b, MD96, Muo23, NTHC21, Now96, OS08, OT02, OTK04, PK23, PAP17, Pło22, PJB04]. **parabolic** [PS19, RC18, RS20, SDK24, Saz22, Saz24, Sch87, Sch95b, Sea09, SRMDRL23, SB14, SS19, SYL+20, SWW16, SD09, Sti03, SLZ10, SW20b, Tau09, TDMT21, TV91, VSG17, Ver96b, WKM04, WH19b, WZ22, WJM22, WL24, YS22, YCWH23, Yu99, YLW21, ZLW20b, ZLX22, ZYQS23, ZZZ19, Zho17, ZK00, Zuu95, Ant13]. **parabolic-hyperbolic** [GDS+15, Sea09]. **parabolised** [BS08]. **Parallel** [AB09b, BOEP00, BDF94, BS92, BTDV10, BMT93, BT98, BF95, Bur93a, BT00, BC95, CK22, CSXL14, Con89, CP17, Der92, DF96, FLÖ+97, FV99, FPS15, GM93, HH10b, IM02, Kie95, Kim95, LCS19, MW93, Mic95, Mie89, Nak05, Ore93, Pet92, PV93, SK97, Sch91, SH10, SQ17, Ste05a, WSP04, YH07, ZC91, ZYH23, ZX09, vSC92, vC93, van93, vdHMdS99, AT93, AB98, BN99, BC99, BMR+17a, BRSD91, Ben96, BNH01, BT02, BTP96, BDFV95, BS91, BM18, BT93a, BT97c, BDP96, BS00b, CKB13, Chr96, CM07, CX08, CPR93, Cve02, DdSF07, DVV93, FL93, FL01a, Fre91, Gen10, GY94, GGM95, Hab08, HY02, HVY91, Jéz99, JL23a, KG90, LS99a, LGS21, LHX20, LYOI99, LN92, Noo95, OP04, Oos95, PSB91, PSW02, QR03, Qui96, RZS21]. **parallel** [SW95a, SWE05, SWJ09, SGY22, SK91, SCvdH92, Som93, Tsa91, Tsa92, VG04, VS94, VP91, WKP12, WWS+93, WCGW95, XHJM21, YJJ+24, Zar99, ZS21a, dH95, dDF+94, de 92b, de 95a, dv95a, de 95b, vS93, vS96, vvdV97, vdSvdH95, Ria22, dH95]. **parallel-in-time** [JL23a]. **parallel-iterated** [CM07, CX08]. **Parallelism** [Che88, GX93, KP07, Doi91, Gea93, PWY21, SD93]. **parallelizable** [Kim94]. **parallelization** [Jun97, RRMJ12]. **ParalleloGAM** [AB98]. **Parameter** [BBV05, BP92, GO19, GO21, KK06, KK20c, OS08, PKP19, SDK24, San18, SWJ09, SSW04, AMV03, AD04, BO04, BR94, CH21, Deh01, DT89, Eir99, EG88, FHM+02, Fik23, GD23a, GOP06, HD22, Hin97, KMS19, KPRU20, LN08, MCS06, MOSW00, Nag22, Neu88, NCYC22, SPS20, SGY22, SD22b, Sim10, XZ19, ZH20]. **Parameter-uniform** [GO19, GO21, KK20c, FHM+02, GD23a, MOSW00]. **parameterisation** [CM04]. **parameterization** [Gar05, LG02]. **parameters** [AB09a, ABP95, BAP+06, BD07, BBCS05, BCMV03, BS00b, Cat10, CJL13, HK09, MW93, Pul09, WL09c, Zar17, ZL22, ZFX17]. **Parametric** [GFB99, Lo06, AGKK94, BP85, Che16, CGPT19, GZQS23, GS99b, LS07a, Ren14, SC11, YHT23]. **parametrization** [GLM09]. **parametrized** [HM09]. **parasitism** [CD20b, NH15]. **Part** [BV94, Mur99a, BO11, GGO16, Ioa89, Kru99, LPV24, MSA20, MAH22, XB14, AAB+22, BDDV12, BRS+18, CY05, DGN12, GPHAM12, JLH13, LFS15, Mur99b, NRR06, SMTHE22b, SMTHE22a, Sid23]. **Partial** [BGHR12, BGH+15, Luc05, Pet87, Rei85, AGZD22, AM99, AM00, AMCM08, AF89, ARS97, AKS21, AAEMY21, BMSZ21, BHJ05, BHJJ06, BKP09, BRRS15, BtTBV87, BO21, CGEV19, CSS87, Cha98, CGW20, CL01b, Dat99b, DS05, DMGVO05, DKL24, FID18a, FL93, FGP23, GVP93,

GM17, GN86, GGO13, HP18, HZD21, HR96, HN22, HL89, JZK06, JMPY10, Koz94, KP15, LHHR94, Lay09, LW18a, LW19a, LW20a, LYK17, LYLL23, LB21, LS98, MT11, MZK05, MT06, Meu14, Mit24b, MMM19, MFAD23, Olv92, PM05, PB21, PAJ12, PT15, Pre90, PG02, Pul09, PSL18, QXG21, RA05, SS08a, Sar05, Sch87, SD13b, SGS20, SP22, SZQH23, SA20, uIVS13, SSKS21, SG17, TN16, Tan93, Tho85, Tia15, TS08, TDPU17, TV91, Tro93, VC10, Ver96b, WSS97, WdG92, YDWW17, YRV21b]. **partial** [ZW19a, dDF+94, tV87, vSW90, van96]. **partial-integro** [CGEV19]. **partially** [ADNR21, GLMY17, GLM18, HP97, SZY21]. **Particle** [CKM15, IK24, MP85, AD21, CDD00, Cat10, CK06, GS15a, LW22, LL06, Nic86, RA03, SKR+16, Tow16, ZML+12]. **Particular** [PCA10, Pré95, ZLCH20, ZPT92]. **Partition** [CDD+17, BSP04, Mit97, PPS05, SH10]. **Partitioned** [BD17, CH95b, NS21b, SZ22a, WPAZ24, DM11b, HR06, NS20, Ree03, RVM23, WGKS12, Wen98]. **Partitioning** [DS02, HW06, BSW93, FL93, GY94, RP01, TD09]. **partitions** [DS97b, LMS09, LWW20, PSP05, PSP04b, SST09, SST15]. **partnership** [HL97]. **parts** [RGÖS18, SD22a, Str98b, Zha21a]. **passage** [AACP20]. **passing** [BC99]. **passive** [CG13, CPY20]. **passive/active** [CPY20]. **past** [CRTU15, LMS08, PP00, TOCV02, Son00]. **Patankar** [BDM03, KM18, ÖT20, TÖR22]. **Patankar-type** [BDM03, ÖT20, TÖR22]. **patch** [LSGK15, VR01, ZY14]. **patches** [WM08]. **path** [GT19b, KP18, LDIW16, RP01, SZ99, Yam23]. **path-conservative** [LDIW16]. **path-constrained** [RP01]. **path-following** [SZ99]. **path-independent** [KP18]. **pathology** [AQ00]. **paths** [HHW18]. **pathway** [MDD18]. **pathwise** [Kha21]. **Patrick** [PSR04]. **patterns** [Huc99, LC19, LR19, NMSF94]. **PC** [CM07]. **PDAEs** [LD02]. **PDE** [AACP20, CCDJ20, CCD+20, CC23b, Chr96, CD18, DKK94, MR92, MSS+15, PR09, PZ20, Quy19, SSV89, Sch96, VG04, WYP12, YH18, Zha96, ZYH23]. **PDE-constrained** [ZYH23]. **PDE/stiff** [SSV89]. **PDEs** [AS20b, AAI+93, AC16, AN22, Ber04, Ber05, BK21b, BV94, BCK22, BKW06, CY23, CMCGTR02, CKM15, Dia95, FS23b, FS24, FHX22, GLPW09, GPPR12, GPHA16, GGR97, GFPG18, HT19, IVA93, JUAZ22, JR18, KP19, Lua17, Mir20, Toc01, Wal00b, WKM04, Zeg97, ZJ19b]. **peak** [Wal95]. **peak/plateau** [Wal95]. **peakon** [CLP15]. **peakons** [AS06, QR24]. **Peaks** [Cul95]. **Pearson** [DS23]. **Peer** [PWS05, SW12, WSP04, AHJ+23, CMRV11, CMRdlT24, GLPW09, JKW12, KW20, SWE05, SWJ09, Sch12, SAH24, SKW17, SW18, WEA12, WKP12]. **Penalization** [BCL15, PBC08]. **penalized** [KvyS15]. **penalties** [Imo00, YZ17]. **Penalty** [GK22, Hop23, SFZ21, AD20a, BKAG22, BB94, Buc17, BDD+20, CH13, CSM07, DL21a, EKT19, GH21, HHC08, HD22, Hes00, HFL13, KSMMM16, LY01, LS24c, Lot19, LDH+24, TC19, WaZW21, YZ24, ZL18a, Zho17, Zho18, ZKO+21, ZCC11]. **penalty-duality** [DL21a]. **penalty-projection** [WaZW21]. **penalty-type** [LDH+24]. **pencils** [AA94, AT13]. **penetrable** [BBLT15]. **penetrative** [Tse00]. **Peregrine** [CSS19]. **Pereyra** [MP98]. **perfectly** [CFLW22, DK14]. **perforated** [BBD24, CL08]. **Performance** [BDSG09, GY94, LS07b, MRV93, WT08, BMR+17a, BSV21, BDP96, CB99, Dea11, Du11, Fre91, Gen10, HD04, JJ94, KHB22, MMBB07, Sal89, Win92, van98]. **Performances** [CCM17, CG03]. **performed** [BCE04]. **peridynamics** [CFL+20]. **Periodic** [GM85, AC23, AB24, BGG+20, BKP14,

BDKM92, BO11, BMM97b, BMM97a, CDP17, CCP04, CjW18, CHNN20, Con99, DG10, DB95, DCN+19, FJ09, GT19a, Gil88, HHAA22, HJ17, Jac88, KN19, Lem88, Li00b, LLM19, MN08, NAF24, Nes16, Ngu15, NT16, PPS10, Pat98, Sid14, Sid23, SvdHN86, SS09, VVD95, Vic92, WDU21, WS21, Zha14]. **periodical** [Ito22, WDZS21]. **Periodically** [YXB95]. **Periodized** [XB14]. **permeability** [CGN03]. **permeable** [CGJ16]. **permutation** [FV85]. **permutation-perturbation** [FV85]. **Perron** [Fer14]. **Perry** [SSS+23]. **Persistence** [CMMR23]. **person** [CZ19]. **personal** [Han87]. **perspective** [MMP02b]. **perspectives** [AB09b, Car19]. **Perturbation** [LCZ21, RA05, Arn95, BF99, FHM+02, FV85, FS23b, HP18, KHM+14, KN19, LVfP14, LLVX20, Nak12, NT16, NT20, SdSC99, Sto96, TWH21, TM15, Vul92, Vul95, ZGL98, AI19]. **perturbations** [BT94]. **perturbative** [Cat10]. **Perturbed** [RSL89, Rei85, AY21, AL98, AL24, AN22, ÁMS14, BM00, BM01, BO04, BCGS24, BBRS97, Bog00, BFLR23, CR23a, CJ23, CJ24, Cum95, DLZ21, DAMA23, FW07, FJ09, FL24, GD23a, GD21, GMGF02, GOP06, GO19, GO21, GO23, HL99, HO24a, HO24b, KMS19, Kau95, Kau97, KS04, KK20c, Li00a, Li01a, LX24, LT01, LMG02, LW95, MF99, MOSW00, MPtM16, Mus11, OS08, OQ15, PZMX16, Pap95, PMP23, RG22, RK08, RC18, RSR23, RTU15, SDK24, SK16, SWW17, SW21, SSR23, SKS23, VN21, WC24b, YW08, YZ17, Zar17, ZCZ15, ZL18a, ZL22, ZLG15, ZX14]. **Peterlin** [Zha19b]. **Petrov** [DM09a, MS13, ABZ21, AD08, BBRS97, DGN12, DLZ21, FM21, GJV08, HZ21, KDT17, KNN03, LWY20, RP17, Sac93, mWyG00, WCL22, XY19, ZLG24]. **Petrovskii** [BFdO07]. **PGEM** [ABFV09]. **Phase** [JK17, BCFQ19, BCFQ21, Boz11, CMP20, CH15, CPY20, ER07, GHK16, GOGF03, Has20, KSMMM16, KNP16, LL98, LY08, LMY18, LL20b, LC21, LS24b, MZN21, MR06, MD20c, NS21a, Pat00, PHY19, RS22, RZ15, Sch16a, SY08, SS09, TCCW89, TKN11, Wag98, WM08, YXX24, ZY19, ZCY20, ZLSZ22]. **Phase-field** [JK17, CMP20, CPY20, RS22, ZCY20]. **phase-fitted** [Pat00]. **phase-lag** [SS09]. **phenomena** [Pir09, Ven15, ZG92a, ZG92b]. **Phenomenology** [Bri85]. **phenomenon** [BCJW17, FRRJT10, Jun07, RSL89, BO11]. **Phillips** [Lub92]. **photonic** [LY24, NS13]. **physical** [YK04b]. **physics** [AK09, Cat10, MA09, PCA10, Sam94, TT20]. **physics-based** [AK09]. **physiological** [CKP15]. **physiologically** [BL15]. **Picard** [DS20, HN22, Lay08, Li23]. **Picard-iterative** [DS20]. **PIDEs** [MFAD23]. **Piece** [LSY17]. **Piece-wise** [LSY17]. **pieces** [WWS+93]. **Piecewise** [AB24, PGS10, RF16, Bec18, CCQ+23, CL14, DS17, GVSL96, JQYM23, KESYB23, KDS22, LZ17, MP20, Pic05, Pla08, Sti03, TL07, WL24, XZ19, ZLJ20, ZWL11]. **piecewise-smooth** [KDS22]. **piezoelectricity** [MZ04]. **PIM** [dH95]. **pine** [ABdSG23]. **pipe** [DM09a, RR00]. **pipelines** [GKB+22]. **Pipes** [hYK86, TT03]. **Piskunov** [BFdO07]. **Pitaevskii** [LCW20]. **pitching** [OK98]. **PiTSBiCG** [Ria22]. **pivoted** [DS21c, HPS12]. **pivoting** [GP93]. **placement** [YK04b]. **planar** [BF01, EM05a, EM05b, Gab02, RAS99, SK01]. **Planck** [CjW18, LL24, PYD21, Van92, jWyG08, jWC22, YPD21]. **Plane** [PGM86, LHC09, MM02b, Mik97, MŠ99b, PA18, Wan05, Yua20]. **plane-wave** [PA18]. **Planewave** [NS13]. **Planning** [MZ87]. **Plasma** [DRC85]. **plasmon** [NT20]. **plastic** [HS07]. **plate** [BLS94, BH12a, CM09, yDqGnJT09, Fai00, HLC01, KX03, SWY+23, YTZZ18]. **plateau** [Wal95, Har09]. **plateaus** [Cul95]. **platelets** [SWFK13]. **plates** [CCS02, KK06, Lam13,

NMSF94, QR03, Wei18]. **plotting** [FH04]. **plug** [FMSV07]. **plus** [Haa97, LY01]. **PML** [CWM09, Kim14, TY98]. **PMLs** [BP12a]. **POD** [AD20c, AS20b, DA18b, FS19, YV17]. **POD-based** [AD20c]. **Poincaré** [DLM05, Hau88, Lev91a, WE99]. **Point** [Pot85, SM85, AD99, Ano87a, AL05, Bac18, Bac19, BM12a, BHB23, Bec18, BCGS24, BCC16, Bic21, BB10, CA21, Cai24, Cao03, Cao07, Cao09, Cao10, Car09b, Cas96, CW98, CJL13, CL07, CC08, Cui04, DJ10, DMGVO05, DMGVPO09, DMPSC16, EHM01, Elm02, GD23a, Gil10, GVP93, GH21, GH20, HGM$^+$21, HK93, HM09, HT20, Ius97, IS22, Jac93, KHLV22, Kat89, KS01, Kor95, LMO24, LZJ21, LW21a, LS21, Lyn92, MV20, NCYC22, OG08, OGV92b, OGV92a, PPT02, RV05b, RGMO19, SJ18, Sim04, Ske99, SSA24, Ste97, VA21, Wan07a, Wan11, Wel10b, WG11, WYP12, XZZL15, YW19, YP18a, YP18b, YZH19b, ZZW97, Zha07, Zup03, dSFDG20]. **point-based** [BCGS24]. **point-like** [CJL13]. **point-wise** [LW21a]. **Points** [Eis86, AC23, Bal00, BS00a, BE99, BS20b, CN15, FG13, Gil91, GÖ20, HGM$^+$21, HM09, HS95, LZZ18, Maj17a, DE18, Nov03, Oji88, OL18, PSP04b, SK10, SL08, Wai98, WT08, Xu16, YT03, YDWW17, ZSJ04]. **Pointwise** [GZHQ23, Len00, Wei09, ZMC13, BSZ15, Fra14, TM04, WC24b]. **poisedness** [WW05]. **Poiseuille** [MM07]. **Poisson** [LL24, AGK24, AO91, BSGU94, BS14a, CHPV09, EK06, HLY04, HLZ06, KRBK16, LX08, LHWF08, LW07, Maj20, Phi91, PYD21, RV04, RT20, She00, Tem23, YPD21, Zhe07]. **Poisson-type** [AO91, She00]. **Poisson/symplectic** [LX08]. **Polar** [SST09, Kwa09, LLT20a, She00]. **polarization** [HJX$^+$19, YWH20]. **Polarizations** [SR88b]. **pole** [Jad94]. **poles** [AQJ18, SMJ12, SL01a, Tom24]. **policy** [RF16]. **Pollaczek** [MN20]. **Pollaczek-type** [MN20]. **pollution** [AVMVMV09, Bou16, DS03, TM04]. **poly** [KB21, KESYB23]. **Poly-Sinc** [KESYB23]. **poly-Sinc-based** [KB21]. **Pólya** [AHGM21]. **polycrystalline** [HPW21]. **polydisperse** [MM14]. **polyfractonomials** [ABZ21]. **polygamma** [Meh22]. **polygon** [AM10b, CKK10]. **polygonal** [ANN19, Hin97, KDD23, LHWF08, PR09, PS19, SW24, Xu21, ZGR23]. **polygons** [CF18, GFPG18, LD10, VMS07]. **polyhedral** [RA09, SV24, Yos00]. **polymer** [ABP95]. **Polynomial** [BSZ99, BDV17, MN20, Pul09, Pul12, Rus95, SW98, AA04, ADSS17, AC23, BM04c, Boy06, Boy07, BS09, BO11, CCQ$^+$23, CP94, CJL13, Che12b, CS17, DDGN23, DJJ$^+$15, GVSL96, GJ17, Han06, HL08, Iva07, JBLC11, Kid90b, KYI17, LZZ18, Mar99b, MN03, MQ03, Mie89, NLLG20, Nov03, OT21, PH91, Pla08, SD13a, SZ12, SZ17, VVV24, WWL21, Win01, Win04, Wu03, XC20, ZWK15, de 92a]. **Polynomialization** [Boy07]. **polynomials** [AMT17, AyLqW18, AHGM21, Alt85, ADG11, BR01, Ber05, Bor10, BWY17, BWS21, Boy15, BRS16, Bre91, BDRZ04, BDRZ19, BDMGVO05, CMR12, CKM10, DGV00, DR01, DMR10, DIR13, DRS19, DB08, DM97, DJM09, FRV11, FMPP24, FR18, GSW09, HS19a, HAA21, HAR21, JCN94, JJ15, JT09, Jou05, KP92, KHYY21, KP19, Kür23, Lee10, LY10, Mar94, MM02a, MG97, NN20, Nap16, Pat98, Per03, Pis22, Sim94a, SMJ24, TJK18, WHW21, dACR10]. **polynomials/functions** [GSW09]. **Polytopes** [FWW$^+$21]. **polyvalent** [CMR94]. **population** [AM95a, AMT13, AL20, ALM04, Aya09, DFLM19, GeO24, LS16, QAE$^+$09, SH97, SMW21]. **poro** [BFQ22, YR22]. **poro-elastic** [BFQ22]. **poroelasticity** [GM18, GHH20, GCZZ23]. **porosity** [BSZ22, CHLA21, SZ22a]. **porous** [AKT97, BM04a, BM04b, BBL02, CCD$^+$20, CHNN20, CCK03, CML05, Cho13, CD13, DD19, DCN$^+$19, EH07a, EWW99, FBS09, GJR03, HJ09, HHL23, HCW16, IMC22,

KT05, KMR09, MK14, MLJ19, MCM12, NS21a, SR88a, SY08, ZYSZ14, ZFW20, ZGR23]. **portable** [PSB91]. **portfolio** [HW22]. **posed** [BHL+21, BBBK22, CRS05, EG88, GNNR19, HDY21, KMH21, Kli15, Lie01, LHT20, Luc95, MRH14, Sam94, TWH21, TWD23, XXQ17, ZD21]. **posedness** [Geb24, MPPR22, MN24, SSZ16]. **position** [CM06]. **Positive** [BW95, Cao07, DBCBPP10, AHGM21, Ara99, BRBM08, BBKS07, Cao01, Che12b, CL88, DL01, DZMB21, GP93, GP04, GP17, KCB02, LZJ21, LWZ22, Liu02, Lu98b, MAD23, SH21a, Zha21a]. **Positivity** [BK12, CHM22, Hor98, HWZ22, Sca22, Ber04, Ber05, GM87, HKO12, Hor05, KP03a, ÖT20, PGYF20, SRMDRL23, TÖR22, WLG22, WDL23, WC24a, YTC24, ZWN23]. **Positivity-preserving** [HWZ22, PGYF20, TÖR22, WLG22, WDL23, WC24a, YTC24, ZWN23]. **Post** [BSZ15, CCM02, YWH20]. **Post-processing** [BSZ15, YWH20]. **Post-projected** [CCM02]. **Posteriori** [Rei85, AS05, AB10a, AOW94, AD23, AR18, ASV19, AP08, AM16a, BLS94, Bac14, Bac16, Bac17a, Bac21b, Ban97, BS14b, BCS17, BM13, BBG14, BRVC09, BC04a, BHR05, Bür12, CHZ21, CCOVF22, CMP03, CCS17a, CSW19, CZHX19, CDW23, DDP12, EG88, EFLFP09, FH10, GHH09, GHT05, Hop23, ID19, Joh01, JM94, KDT17, Kim07, Kim12, Kim21, Kwe00, LCHR03, LS12, LY03, MWC21, Moo04, Neu88, Roz05, SS00, SZ09, SS19, Sha21, VNC21, WH13, WG19, XL11, XYHM20, Xu21, YSBL14, ZBD24, ZCZ15, DLZ21]. **postprocess** [dFN00]. **Postprocessing** [CJX11, GANT02, MWC21, YS09, ZLY23]. **Potential** [Man96, BP85, CHPV09, CJL13, DD97, DS97b, FS15, FJP17, FL23, GJLL20, JLZ20, KK02, LWD+09, Li23, LN08, ST14b, SZW19, VZ93, WL24, dRT99]. **Potentiality** [Set24, BT97c]. **potentials** [AES15, AEMX17, CCP04, EP15, FXY22, FvdMS17, GT19a, Gia12, Kam00, LLM19, MZZ17, RV15, RS00, RU15]. **Poussin** [ORT24]. **Powell** [BFGP08, LMS09, MB10, PT09, SST09, SST15, Spe12]. **Power** [DRC85, BWM21, BL06, CFV10, CL88, Lon88, LYA+19, Mat91, NYPW21, ST09a, SPYS24, Wen10b, Win04, YLY19]. **power-type** [LYA+19, YLY19]. **powers** [Vab21]. **Practical** [Iga85, CK06]. **Prandtl** [CMP06, FHM+02, PR89, RLSS06]. **preassigned** [SMJ24]. **precision** [Var92, vdHMdS99]. **Preconditioned** [WWS07, AGJ12, AG05b, Bad20, CR05, DW00, HVY91, JWZ21, JL23b, WSC21, YG95, YH18, Zen21]. **Preconditioner** [BTMT08, Aro96, BvG19, BLY17, BG11b, BSV21, BCSH16, DO95, DO98, Dor91, Fuj99, GNX19, GS92, HY02, HvdHV10, HS21b, KKP07, KM16, PSWZ21, PM03, SK22, SWX00, SH21a, Ste97, Wan05, WCXL09]. **Preconditioners** [Elm02, lLNW21, AK09, BHB23, BT99, BS10, Buc17, Cai15, CRS05, Cao07, Cao09, Cao10, CES91, CH01, DdSF07, DJ10, EVO04, EVO06, GGM07, GCP91, GGR97, Haa97, Kos02, MB10, MD96, NLLG20, NR14, Osw97, PS09, Sim04, ZNK02, Zha21a, de 95a]. **Preconditioning** [AES13, KK09b, NRZR12, OKS10, San03, ASZ15, Bai96, BL21, BT93a, CD18, DB97, DDS89, DSSC13, GNNR19, Gen10, GKMS09, Guo96, HLMP09, Huc99, JP19, KJ99, LD21, LLT20b, LN24, ML91, Mun00, Not99, SW98, SH02, SvV22, Tur93, WZ02, Zha00]. **preconditionings** [BD85]. **predator** [BGG+21, CL02a, SZ22b, Wan09, ZSS23]. **predator-prey** [ZSS23]. **predicted** [KDS22]. **Prediction** [Bre85, KM21, Cat10, YH07, ZHJ14]. **Prediction-correction** [KM21, ZHJ14]. **Predictor** [BK21b, THW19, ASC03, Bur91, CXZ15, IM02, JL91, LLL12, MPPR22, Wai98, Zla85b, de 95b, vC93, Bur93b].

predictor-corrector [Bur91, JL91, LLL12, MPPR22, Zla85b, vC93, Bur93b]. **predictors** [HR06]. **Preface** [AMT05, AGH+10, ADG+16, Ano00f, Ano00g, Ano10, AM05, AM08, BGS14, BKV08, BC94, BRZW10, BR09, BGHR12, But94, CPS02, CP03a, DFJ+17, GHR06, GCJ+12, GKS04, HHV03, HKNV16, Jac06, JRS14, LST07, LDF+20, PS04, PS05, SW95c, SG02, SSW02, SVSW05, SVAW09, Spi03, Spi04, VS04, VHAW12, tRDvdV91a, tRDvdV91b, BRW21]. **preferential** [QAE+09]. **prefractal** [BBV13]. **preliminary** [QLL+08]. **prescribed** [Liu21, Tol04]. **prescribed-order** [Tol04]. **presence** [BBW19, Maj17a, Neu88]. **present** [Son00]. **Presentation** [KW12]. **presented** [Wen10a]. **Preservation** [HXW15, Rei99, BMQW16, Ber04, DL22b, Mat08, WS22]. **preserve** [Rob10]. **preserves** [SRMDRL23]. **Preserving** [Ber05, AZA22, ABK12, AZ23, AB14, AGK24, BUL23, BK12, CHM22, CC23a, CWY20, DL20, DW21, DLP06, DF92, FCW20, FXCW21, FCW21, GZQS23, Gje07, GJlL23, GGT24, HKO12, HS20, HPH20, HMT03a, HMT03b, HGZW21, HL21, HWZ22, Hou23, HL24, HCGW22, Hua09, JK14, JWG20, JQSC22, KGR08, KL21, KT05, KMG09, KP01, LW19b, Li22, LW22, LFS21, MB20, MDP10, MDRR11, MMD20, MPV24, MAF20, MSA20, MAH22, NBNTGV11, ÖT20, PGYF20, PA05, SA21, Sca22, SS21, SNW22, SW24, TÖR22, Udd20, VL08, WH18, WLG22, WDL23, WC24a, XCHW22, YTC24, YYZ23, YF24, ZH21, ZM17, ZYQS21, ZWN23, ZYQS23, ZSY20]. **pressure** [BC01, CKS05, GP00, GRGJ02, GS18, HL08, KS02, LA11, LGS21, LFQH21, LY16, RÁM23, RBC02, XZ22, Zha19b]. **pressure-correction** [LFQH21]. **pressure-velocity** [LY16]. **preventive** [KN08]. **prey** [BGG+21, CL02a, SZ22b, Wan09, ZSS23]. **prey-predator** [BGG+21, CL02a, SZ22b]. **price** [ZJH+23]. **prices** [LL15]. **Pricing** [SB19, ZO14, ALY03, AD99, BAD13, BNV06, BDOG19, CGEV19, CXZ15, CC23b, CPOGO17, FV01, GGO13, GK22, KKT16, MHL18, RP17, RG21, ST11, ST14a, TGB08, ZW09, ZGO12, ZJH+23]. **Primal** [AP16, AP20, HT20, dRT99, BSZ99, CW21, Car09b, HMW05, MDT05, Par04, SZ99, TC22, ZZX19a]. **Primal-dual** [HT20, CW21, Car09b, HMW05, ZZX19a]. **primitive** [AGLRS23, GGRN17, LLL08, RG05, RMM12]. **Prince** [EL97]. **principle** [CL01a, FHK05, GZQS23, GJlL23, HPH20, SYY20, SG16, SW24, Tad86, TZ21, Tol03, Vej10, YYZ23, ZYQS21, ZYQS23, ZSY20]. **principles** [PZ20, WY22]. **printed** [BLW02]. **priori** [Ars20, Cha17, Dek17, HMW05, JR02, KPY15, KK22a, LMWZ10, MS03, TM05, MN24]. **prism** [LMQZ18]. **prismatic** [KV20]. **probabilistic** [dlC23]. **probability** [BD07, CCDJ20, DNW18, Shy91b, Yan21b, ZCGS21]. **Problem** [BH85, YK04b, AS21, AH09, AMRR18, AGLRS23, AI19, AB15, AHAS21, AHS03, Ant13, AC18, AL98, AKL08, ASV19, ACP23, AMV03, AP08, AS00, AFLG+12, BS21, BF01, BBD18, BM13, BGG04, BCFQ19, BM00, BRS05, BRTB19, Ben02, BGM+09, BBCS05, BLY16, Bis11, BR94, DSM22, BBBN21, BJ00, Boz11, BS97b, BP85, BFLR23, BSZ15, BSP04, BP95, CCOVF22, CFRA08, CL08, CD23, Cau08, CGRT18, CGN03, CHNN20, CKP15, CR23a, CMP03, CX01, CH07, CJX11, CZ19, CWZ23, CL18, CH04, Cop03, CF05, CF13c, CF14, CA15, CA16, CG14, DY17, DT15, Du11, yDqGnJT09, DZW24, EM05b, EW08, FHM+02, FE93, FS23b, FL15, FBS09, FH10, Fer93, Fer96, FBM17, FL24, FFQ09, GS15a, GP23, GLV06, GMM09, GD21, GMS12, GS18, GOP06, GO21, GO23]. **problem** [GL17, GGG16, Guo00, HS21a, HS07, HLZ14, Han87, Har09, HILK13, HDY21,

HJ06, HK85, HX11, HW22, HLY22, HZCZ23, HLC01, HT20, IV16, ILS19, Ius97, JP08a, Jes93, JLZ20, JL24, JK20, KS91, KMH21, KL23a, KPR06, Kim94, KS09a, KNP16, KKN+17, KS01, KS04, KCW16, KRBK16, KW93, Kwe01, LSV22, Le 12, LL98, Lei02, LPZ00, LMA18, LW18a, LLHC18, LZJ21, LB23, LHC23, LD21, LM21, LO03, LWZ22, LK07, LLL12, LYY15, LW18b, LC20, LS20, LD22, LDH+24, LP01, Luc95, MM18, MSZ+24, MG00, Man97, MM22, Map05, MNR14, MN03, MPHFP23, MP20, Mat05, MM02b, MS08b, MZM20, Men23, MOSW00, Mol95, MCM12, Muo23, NS03, NS12, NY13, Njå88, OQ15, OP04, OGS20, PS00, Pic05, Por17, PS21, QXQ22, QC12, QL15, Ram96, RSL89, RG22, RLMG24, RTU15, Rou20a].

problem

[RBT15, SSZ16, Saz24, SGS00, SR88a, Sel14, SSC23, Sha21, SC08, SSR23, SJ18, Shi20, SM20, SK01, Sto96, ST08, TBRBM20, Tia15, TWH21, TT03, TM15, TC19, Vab22, VSG17, VR01, Wal19, WW05, WN12, WL16, WQ17, WZZ21, WCL22, WC24b, WW14, WT17, Wu09, WYY20, XYHM20, XLZ23, YLL09, YL13, YJZ18, YD22, YZ19, YZH19b, YXX19, ZTZ15, ZH20, Zar17, ZG92a, ZCZ15, ZZ19a, ZL22, ZY23, ZYZJ24, Zhe07, Zhe19, Zho17, Zho18, Zou11, dSFDG20, vBvdZdB08].

Problems [De 88, Gus88, Per88, SM85, AY21, ALMM01, ACP24, AP16, AP20, ANN19, AL09, AB97, AGJ12, AyLqW18, AES15, AEMX17, AA20, ARY23, AMC02, AMP03, AMCR17, AB09a, AD23, AMV17, AMR14, AX19, AT93, ABI22, ASZ18, AD99, AG05b, AC08, APJ10, Ars20, Aso21, Aug89, ABG+15, ABRW18, ÁMS14, AL05, BAA22, Bac17a, Bac17b, Bac18, Bac19, BTBR19, Bac21b, BC12, BHL+21, BL21, BS14b, BLS+17, BY00, Bar09, BvG19, Baz03, BFQ22, Bec18, BBV05, BBBK22, BNH01, Ben17, BG24, BC08a, BGG12, BC04a, BDF89, BW96a, BCT16, BW97, BC08b, Bic16, BCC16, Bic21, BGH08, BMR17b, BTMT08, BKP14, BS97a, Bla00, BBRS97, BBD08, Bog00, Bog12, BMMZ06, BDFF23, Bos09, BBLT15, BP90, BJM01, BT95, BT98, BM09, BJ01, BJ03, BJ06, BCV21, Bur93a].

problems

[BT00, Bus06, BC89c, BS00b, BR05, BD17, Cah89, CA21, CHZ21, CRS05, CSSZ20, Cao03, Cao07, Cao09, Cao10, CW21, CP97, CL85, Cas96, CW98, CM02, Cas06, CS94, CP05b, CES91, CM00, CP07, CJ18, Che96, CR05, CK98, CC04b, CZ04, CYM09, CL10, CM14, CHS19, CLY19, CZHX19, CWHF19, CWP21, CYWH22, CML05, Che12b, Chn17, CL20, CH13, CR23b, CJLS98, CG16, Con99, CGPT19, CN17, Cui04, DC21, DZ12a, DPPR16, DDHS97, DDP12, DS21c, DS24, DA18b, DW15, DS07c, DMPSC16, DCN+19, DSW96, DS15, DP90, DY03, DLZ21, DL06, EHM01, Elm02, ECB07, EG88, EGL09, EH06, Ewi91, EL94, EGH01, FMS18, FW08, FHK05, FL05, FD97, FHM+02, FL20, FMPP24, FdSB02, FMP04, Fra04a, FG09, FLR08, Fra14, Fra16, Fun94, GAML04, GMZ11, GMG02, GMG04, GG22].

problems

[GIS23, GNNR19, GZW22, GD23a, Gen10, GAW09, GS89, GK19, GRLL01, GPMPR03, GPHA22, GPHAPPR23, GML00, Gon06, GO19, GH02, GCZZ23, yGpY09, GHF00, Hab08, HGM+21, HJR22, HHYD20, HJS97, HKO12, Har98, Har10, HOS99, HM01, HSS04, HA21, HV22, HD22, HO24a, HO24b, HS22, HW06, HMdV03, HK93, HM00, HS19a, Hey20b, Hig93a, HL02a, Hin95, HO05, HOS11, HL19, HY01, HCX03, Hua19, Hua21, HM22, HBJ09, HMW05, HLIS16, HK09, HSY18, IO18, Iga85, Imo00, IT16, JJ94, JP08b, JS09, Jeo09, JK14, JCL18, JL23a, JR02, JCSR03, JNPC03, JM94, JCJP21, JV09, KDT17, KHLV22, Kat89, KM19, KOR18, KG90, Khe91, Kim07, KwS19, Kim19, Kli15, KL09, KKW00, KCC04, KP03b, KM11, KK02, KK20c, KDS22, Kur98, KAS17, KDKW20, LRS23, LHH96].

problems [LWT07, LHC09, LRS09, LV12, LKV01, Lau17a, Lee94, Lei99, LFB00, Li00a, Li01a, LY08, LMWZ10, LW17, LLHC17, LLJY20, LXZ21, LH21, LWW22, LLT07, LAZ20, LC99, LMSW17, LS07a, LX09, LCH20, LN24, LS99b, LX24, LT01, LY03, LCJQ12, LJYS20, LCZ21, LLW22, LZIZ23, LT05, LHT20, LYC24, LMP99, LT93, LMG02, Lot19, LAH09, LfX15, LW95, LOM98, lLX22, MH16a, MOS02, MK14, MH14, MA09, MS03, ML16, Mar94, MS00, MMRV20, Mat86, MS90, Mat09, Meh08, MR01, Meu91, MV18, Min87, MRH14, MK19, Nap16, NNJ23, NTHC21, Ngu15, NH24, NZY21, NB01, NFAE03, Now96, OS08, OB20, OH20, OTK04, OEAS21, PZMX16, Pap95, PNA21, PAP17, Pea16, PSWZ21, Per99, PA91, PR22, PV93, PPC00, PJB04, Pou00, PMP23, Pul12, Que21, RP01, Ram94, RNG22, RK08, RS20, RV04]. **problems** [RTH23, Rha99, Ric08, RV09, RV05b, Roo20, Ros93, RGA19, RTA19, RVM23, RU07, SST04, Sac93, SDK24, SAG86, Sam94, SPS20, Saz22, Sch93, Sch09, SKAW12, Sch16b, SWE05, Sch95a, SNOK21, Set24, SS19, SWW17, Sha98, SLJ11, pSLqJcY16, SHLY19, SYW22, SWW16, SJ11, wSJP15, SWB20, SWB21, Sim04, ST20, SD09, SKW17, Sol15, SZL18, SD24b, SW85, Sub04, SvdVvD06, SL01b, SW05, SW20b, SC22, TL07, TLQ21, TQY24, THW19, TLGC22, TDC13, TLV92, TK05, TWD23, Top21, Tsy98, UHUL21, Vab21, VO00b, VV02, VVD95, VS94, Vej10, VBH96, VBVA22, VSeYD02, Vul92, Vul95, VN21, Wan07a, Wan07b, WCXL09, WL09c, Wan11, WZ14, Wan17b, WCSQ18, WZ19, WR20, jWS20, WM22, WY22, WJM22, Wan23, WH23, War92, WWLS08, WG18, WYYL19, WWF20, XFLC00, XC85, XC20, XXQ17, XZT21]. **problems** [Xu21, XGHM22, YGY15, YSBL14, YZ17, YLW20a, YWW23, YCWH23, YÇ16, YBW20, Yos00, Yu99, YLW21, YY24, Yua93, YD07, YLH20, YLW20b, ZDM18, Zak19, ZP24, Zen21, ZLY23, ZG92b, ZMC13, ZWJ18, ZL18a, ZLHW19, ZBY19, ZLW20b, ZG20, ZR21, ZD21, ZLX22, ZLW22, ZWN23, ZZZ19, ZYH23, ZPT92, ZLS20, ZW19b, ZWL11, ZX14, ZSQ21, ZX22, ZS18, Zla85a, ZCC11, dlC23, FG96]. **Procedure** [Pot85, BFA93, BS94b, CKB12, DSZ15b, DSZ15a, HP15, Kim94, LR87, Mon21, Par04, SW85, TK05, ZQLK11]. **procedures** [BSZ15, CIJ17, FS05, GGO12, GGO16, LP97, Nor97, Rha99]. **Proceedings** [Ano02g, FG96]. **Procesi** [GZZ19]. **Process** [Bie87, BF17, BNKR20, BRZ10, BKP15, DMS23, GT19b, KL23b, KL87, LYY15, OR18, PGC01, RW87, RSD$^+$06, Zha96, ZGO12]. **processes** [ABD16, BLM17b, BZ91, CKB13, KSSS16, QPT23, RY13, TS23, ZO14]. **processing** [Alt85, Bla01, BCR01, BSZ15, CF13a, Duf90, EEJB22, JP17, LN92, RU21, Sae14, Söd06, YWH20]. **processor** [VP91, Win92]. **Procrustes** [FBM17]. **Product** [TMD92, AAD14, BS05, EHNR24, EJRR23, Fuj99, GCHR06, GVSL96, GKA17, EEJB22, MN03, MC17, Naj20, OR20, RU21, RG02, VVV24, ZLX19]. **production** [BDM03, GGRBRG22, KN08]. **products** [DKL24, Gil91, Goo90, Mar09, SBBC21, WGB99]. **Professor** [CHM09, EST15]. **profile** [BN03, HHL23]. **profiles** [CDV00]. **program** [HSW99, HS02]. **programming** [BSZ99, Car09b, EB12, GS99b, GT02, GL17, HD23, Hua20, Hua21, KS91, KS10, LLS$^+$96, LDH$^+$24, LRT99, MM16, Ren99, SZ99, VB99, YJJ$^+$24, Zha07, dRT99, ZNK02]. **programs** [SAMSB20a]. **progression** [AFIS24]. **progressive** [EW97]. **Projected** [TMM15, CCM02, KP03b, SS12, Yu08]. **Projection** [MKN23, SI20, dAF17, AMR14, AL17, BJ02, BLW07, BS91, Cai15, CM97, CWX21, CR23b, ÇK13, Die20, GG22, GV04, Guo15, HM21, HL08, Kan89, KL09, KKLD21, KR18, LA11, LGS21, LWLW24, Liu21, MM18,

Mat09, Min04, PP24, SEGV02, SLMD21, TLQ21, Tob14, WaZW21, WaZ24, YZH19a, YÇ16, YLS+09, Zha14, ZHJ14, Zha19b]. **projection-based** [ÇK13, LWLW24, PP24, YÇ16]. **projections** [CH87, dOF20]. **Projectors** [DV20]. **prolate** [BDSG09, FRRJT10]. **prolongations** [Ste08]. **prominent** [MAD23]. **prone** [KN08]. **proof** [SNOK21]. **propagating** [RAS99, SM13]. **Propagation** [AL87, DE06, Gus88, AD15, AD01a, BvG19, Boh03, BCJP18, CH89, Den07, DG22, FMS18, FJ09, GKB+22, GD22, GL93, HB20, HJX+19, IJ14, KS89, KKE16, LFL14, Spi96, Ven15, Vic87b, Vic92, Wag85, Wee01, YWH20, YR22, ZSG+20]. **propagations** [Son91]. **propagator** [NW09]. **proper** [DA18b, GG19, LZY09, SG09, SLZ10, WM07, ZZLL21]. **Properties** [GVSL96, ARGA00, Ale11, BN99, BF92a, BZ92, BGT97, Bre85, BT93b, BS18, Bur85, Chi12, DIR13, EGL09, Gia12, Gil10, GS15b, GS05, GPíP03, HLMKZ06, IM98, IMMS20, JVZ96, JVZ97, LIPT18, LBCN00, MD19a, MCM12, Phi87, RZ04, Riv09, Rog19, Sch93, Ske89b, SG17, TJK18, WW99, XFLC00, ZD21]. **property** [BY22, CR19, CMS04, Nak24, THW19, WS22, XWZ21]. **proportional** [AD99, BBBN21, SA20, SAMSB20b]. **Proposed** [Mac86]. **Proteus** [Aya09]. **Prothero** [Ran15, Ran16]. **proximal** [GZW22, GH20, Hua21, IS22, LHT20, MBS23, SZY21, WH23, YJJ+24, YP18a, YP18b, ZY23]. **proximal-indefinite** [MBS23]. **proximity** [Zha07]. **PRP** [HZC22, LWLW24, MK19, YLW20b]. **PRP-DY** [LWLW24]. **PRP-FR** [MK19]. **PSBLAS** [DdSF07]. **PSBLAS-based** [DdSF07]. **PSBTS** [ZWFX22]. **Pseudo** [RZ04, ST86, Ant23, Boy15, Con01, CX08, DL22b, ER18, HS17, HS09a, Hoa15, HH10b, JZS20, LZ18, Li22, lLXhLZ21, MR20, MKS12, NTHC21, OGS20, PBC08, QR24, YF24, ZLW20a]. **pseudo-parabolic** [MR20, NTHC21]. **pseudo-peakons** [QR24]. **pseudo-penalization** [PBC08]. **pseudo-RBFs** [Boy15]. **Pseudo-Schur** [RZ04]. **pseudo-spectral** [DL22b, ER18, HS17, JZS20, LZ18, Li22, MKS12, OGS20, YF24, ZLW20a]. **pseudo-symplectic** [Ant23]. **Pseudo-Time** [ST86]. **pseudo-transient** [HH10b, lLXhLZ21]. **pseudocompressibility** [She96]. **pseudomonotone** [DP21]. **pseudoparabolic** [FL23]. **pseudorandom** [GPíP03]. **Pseudospectral** [BMV06, HT00, AT15, Aug89, Boy91b, CD00, DDS89, DHL00, EES05, Elg17, Fun90, GT93a, JR00, KS09a, LLT20a, LLT20b, Mar93, MZK05, Mit22, Mit24b, TX18, jWyG08, jWjJ17, jWC22, WWM22, YH00, YLX21, ZL11b, ZK00, PRS23]. **pseudostress** [CGS19, CLY19, GIS23, HL19]. **pseudostress-assisted** [GIS23]. **pseudostress-based** [CGS19]. **pseudostress-velocity** [CLY19, HL19]. **Publisher** [Ano04m]. **pulse** [TER03, TCCW89, XC85]. **pulse-spectrum** [TCCW89, XC85]. **pump** [RVD00]. **Pure** [BB15, Usm97]. **purpose** [AA87]. **pushbelt** [SUP+12]. **put** [ALY03]. **PVM** [Mic95].

q [MM02a]. **QED** [Sus10]. **QHSS** [CLLM21]. **QLM** [IB24]. **QLM-based** [IB24]. **QMR** [Cao98b, FN95]. **QN** [Ree03]. **QR** [GS08, KP19]. **Quadratic** [FS88b, Han06, HL02a, IO18, LMS09, LT05, RS14, SE93, AHR12, Bic16, Bra00, BDRZ19, CCQ+23, CL07, DW00, Eir95, EB12, GT02, GGRBRG22, Hey19, Hey20a, HXW15, HMW05, JQYM23, Kür23, LZCF21, LP00, LL02, LfX15, LB21, MMP09, RL86, SMB23, SST09, SST15]. **Quadratic/linear** [IO18]. **quadratically** [YP18a, YP18b]. **Quadrature** [KM17, MO01, SMJ24, AAH21, ADH00,

BBCR22, Bas21, Bre10, BDMGVO05, BGVHN10, CMP15, CCBGV08, Car23, CL14, CHH15, Chr01, CEW00, DS21a, DGV00, DBCBPP10, Der92, DIR13, DRS19, DDRS24, EC07, Fid17, HA16, HLL09, Ioa89, KCI03, Kza92, Kza99, LWWX10, LFS15, Lub92, Maj14, MMP20, NLS20, OR18, PL20, Pel15, RdAP96, RS21, SST12, SHA12, Sid14, Sid23, SS16, SV24, SND19, The17, Tom24, VV05, WT08, XGM08, ZMY21]. **quadratures** [DMGVPO09, Elg17, MD06, MSP10, Mil17, Wel10a, Wel10b]. **quadrilateral** [Bof06, MCS06, SN04, TC22, TW00, Yi12]. **quadrilaterals** [BSGU94, GHT05, jWS20]. **Qualitative** [WS22, YLY19]. **Qualitatively** [Pru00]. **quality** [BGG12, BS96a, CGCMTR02, Zup03]. **quantification** [BF17, PKP19]. **Quantum** [AHGM21, CFLW22, CCP04, JT06b, Lub04, XWW19]. **quarter** [dSFDG20]. **quarter-point** [dSFDG20]. **quartic** [HW22]. **Quasi** [BDRZ04, CPP02, Gar05, JJ15, Lem02, MD06, DE18, RVM23, SW21, AHAS21, AMP20, BWY03, BRIP08, BES18, BDRZ19, Car94, CLL23, Chu03, Cop03, CA16, Fre91, GS19, GMZ11, GLV06, GS05, IS23, JMDN+22, JL23a, Jou05, KW20, LMS09, LMP99, LD02, Mit24b, MG22, MAD23, NLZB23, RR14, SST12, SST09, SST15, SW09a, WZL13, WW14, WKP12, WG18, BMR17b, BLM17b, FMS24, GM93]. **Quasi-Birth** [BMR17b, BLM17b]. **quasi-boundary** [JL23a, WW14]. **quasi-cell** [Car94]. **quasi-complementarity** [WG18]. **quasi-consistent** [KW20, WKP12]. **quasi-geostrophic** [MAD23, WZL13]. **quasi-interpolants** [BES18, LMS09, NLZB23, SST12, SST09, SST15]. **quasi-interpolation** [BRIP08, GS19, FMS24]. **quasi-interpolatory** [GS05]. **Quasi-isometric** [Gar05, Chu03]. **Quasi-linear** [Lem02, GMZ11, LD02, Mit24b, MG22]. **quasi-monotonicity** [IS23]. **Quasi-Monte** [MD06, DE18]. **quasi-Newton** [AMP20, CLL23, Fre91, LMP99, SW09a, GM93]. **quasi-nonexpansive** [AHAS21]. **quasi-nonnegative** [BWY03]. **quasi-orthogonal** [BDRZ19, Jou05]. **Quasi-orthogonality** [BDRZ04, JJ15]. **Quasi-simultaneous** [RVM23]. **quasi-static** [Cop03, CA16, GLV06, RR14]. **Quasi-uniform** [SW21]. **quasi-variational** [JMDN+22]. **quasilinear** [Ben98, Bra22, LL98, Pło23, PZ20, Sch87, Vul92, ZLG15]. **quasilinearization** [Naj20]. **quasineutral** [AGK24]. **Quasistatic** [CFKS07, WAV12, CFRA08, MF23]. **quaternion** [MB20]. **quenching** [LLT07]. **quintic** [AJK20, Bas21, DS17, DTQ+20, Spe12]. **QX** [SYW18].

R [BE99, CCdlH20, WSC09]. **RA** [XY24]. **RA-HOOI** [XY24]. **rabies** [AJT19]. **Radau** [AC96, BIM15, GPHA16, Wel10a, Wel10b]. **Radau-IIA** [GPHA16]. **radial** [AT15, AD18a, BAD13, BG11c, CPZ17, Jun07, JD09, KKT16, MKJ23, Sar05, SB18, SJ11, SJ18, Sim91, uIVS13, SBS24, TLSS09, XB14, ZM19, ZT06, ZHL03]. **radially** [AX19, MPMD21]. **radiation** [CAAT16, HG98, NC16, OMP98, PGYF20, YD22]. **radiative** [GS20, SK97, Sin24, Vas17]. **radiator** [IV16]. **radio** [PG02]. **radius** [BK06]. **Ramanujan** [AR93]. **Ramanujan-type** [AR93]. **Random** [BO87, AEA23, BJ02, BF17, CCDJ20, CS09, Che12b, DFC09, HP18, HM22, Lav94, Pul09, SZ12, SZ17, SD24b, SdSC99, TD09, Zha19a, dlC23]. **random-data** [TD09]. **Randomized** [JLL90, OP04, BW23b, LG19, Liu24, PM14, PWX24, WL21, WX22, Yan21b, ZG20].

randomly [DH12a]. **range** [Auz03, CBD16, Eva94, EC07, Has13, JP08a]. **ranges** [Spi93]. **Rank** [XY24, BLD17, Baz03, BHSW16, BHSW20, Ben02, BMR17b, ÇY22, Con20, Dor91, DSS15, GZW22, GKS20, HPS12, HR14, Hey10, Hua19, Lai09, LLT20a, SY07, ZY23]. **Rank-adaptive** [XY24]. **rank-deficient** [SY07]. **rank-structured** [Hua19]. **Rannacher** [GKMS09]. **Raphson** [JLL90]. **Rapid** [LR93]. **rapidly** [DC09]. **Rate** [ND85, Pré95, Sin23, SS13b, AL05, KGR08, KB21, Maj17b, Mar09, TWL23]. **rates** [BW23a, BFK11, CHS17, KN08]. **ratio** [Pic05, Wan09]. **ratio-dependent** [Wan09]. **Rational** [AM00, CPD+05, KOS20, ABH22, AQ20, AMCM09, BFK11, BGVHN10, CAD03, CLS04, CV88, DBCBPP10, DBBH14, DTQ+20, HA16, IO18, IN89, Iva07, JM05, LLJY20, LWZ22, Lu98a, MN08, OGV92a, PA91, RL86, SB18, SYG+05, Vab21, VVV24, WT93, YR92, YLW21, ZB19a, ZLW22]. **rational-Gauss** [DBBH14]. **rationally** [Sch93]. **ratios** [AR93, CJM88, ML91]. **Raviart** [BC08b, Bra00, Kim21, ZBY19]. **ray** [SSW04]. **Rayleigh** [OGS20, SFZ21]. **RBF** [BS21, BB10, CGGM17, GJ17, JUAZ22, JGK11, KCS07, KP19, NCYC22, OT22]. **RBF-adaptive** [BS21]. **RBF-FD** [OT22]. **RBF-QR** [KP19]. **RBFs** [Boy15]. **RC** [AKGR14]. **RD** [ZWN23]. **RD-FV** [ZWN23]. **Re** [CM04]. **Re-parameterisation** [CM04]. **reacting** [TER03, dB03]. **Reaction** [GM85, ND85, ALMM96, ALMM98, ALMM01, AKBF19, AL98, ABR05, BJ02, BM01, BBRBS09, BC08a, BC04a, BW96a, BIO24, BFdS10, BJTZ20, CFCH09, CdFN01, CR23a, Chn17, CK20, DRVA20, Den15, EV96, FMP04, FJ95, FS24, GAML04, GV02, GD21, GPPR12, GPHA16, HW06, HQAZ24, HAA21, HS95, HK22, HV95, JR18, JHGZ20, JT06a, JOL23, KK20a, KC03, KHB22, KCJP01, KOW05, KL09, KS04, KZ21, KTYY24, LW93, Lan95, Lan97, Li01a, LCHW20, LWYG22, Liu09, LL21, LO96, MD19a, MMKN17, MN23, MSGM23, MG18, MOSW00, Nag22, OZHP23, PS09, Quy19, SDK24, SZE20, wSJP15, SG09, SG07, SW13, Str98a, Top21, TH09, TMM15, VVR08, VCN20, VNC21, Vej10, Wan01, WL09b, Wan20, WC24b, Wei09, Won08, YLLZ21, YWSL20, ZdBT03, ZCZ15, ZYLL20, ZG21, ZZPJ23, ZLWF21, VK17]. **reaction-diffusion** [ALMM96, ALMM01, AKBF19, BM01, Chn17, Den15, EV96, FS24, HQAZ24, HS95, HK22, JHGZ20, LW93, Lan95, Li01a, LO96, MOSW00, OZHP23, SW13, TMM15, Wan01, ZCZ15]. **reactive** [CGJ16, KW98, KCC04, SW05]. **reactor** [MA09]. **Real** [LT07, MZ87, BC99, Boy06, CKL03, DO17b, DS24, DMPP99, Gla94, JJ15, Kim19, KS22, KCB02, Kür23, LMO24, Ore93, SD22a, dC18a]. **Real-Time** [MZ87, LT07]. **realization** [HSW99]. **rebate** [BP14]. **receptances** [LB21]. **reciprocity** [BGH08]. **Recognition** [SS17]. **reconstructed** [DL16]. **Reconstruction** [CPZ17, CGGM17, GOGF03, PTW19, ABJ12, ABD24, CH87, CdCV03, DL21b, DH12b, DSZ15b, DSZ15a, FGGL22, KHM+14, Kim12, LYY15, LN21, RS09, RGÖS18, San03, SL17, WLG22, WDL23, WC24a, XZL07, ZC91]. **Reconstructions** [AN15, BM04c, BL06, MS08a]. **Recovering** [LSY21, SZW19, Muo23]. **Recovery** [FL23, Sch08a, AC23, BB94, BGS02, CCY22, DLZ21, LN08, Nke07, SC22, ZY14]. **recovery-type** [DLZ21]. **rectangular** [BWS21, CYM09, HS97, LWW20, PH91, SW21, ST08, WM07, WC24a]. **Recurrence** [Pré10, BRS16, Leo10b, Lev91a, TJK18, VVV24]. **recurrences** [Cao98b, WW99]. **recurrent** [Boh21]. **Recursive** [FS88a, MST07, BCSH16, Koz94, SST04, SS10]. **Recycle** [WSC09]. **recycling** [SSX14].

Redistribution [Eis86, AGM95, DPPR16, RN04]. **Reduce** [WSC09]. **Reduced** [BCG21, Dal13, GG19, Roz05, AD20c, AW09, Bai02, Boy91a, DF11, DA18b, DL22a, DS03, Dor91, DSS15, HMdV03, LZY09, LJ20a, LR20b, LJ20b, Ma24, MH14, PCRR17, RÁM23, SBBC21, SLZ10, ZZLL21]. **Reduced-basis** [Roz05]. **reduced-order** [AD20c, Bai02, DL22a, LJ20a, LR20b, LJ20b, ZZLL21]. **reducible** [Der92]. **Reducing** [RB12, dv95a, DS02]. **reduction** [AMC02, AMCR17, AFLP12, BMR17b, BCJW17, CH95b, CHZZ06, Cha17, DC21, Dah02, DY03, GKB+22, HK09, JLH13, KCW16, LHÖ13, MZXX24, MVG14, MPtM16, MLJ19, PJB04, SMJ12, Sch96, Sch89, Sim98, SSvG10, Udd20, WM07, WL21, YV17, YT03, dG91, dRT99]. **reentrant** [MPTT17]. **reference** [BN03, WG23a]. **Refinable** [GP04, CMP15, GPP04, GS05, GP17, Pel15]. **Refined** [FW22, SM85, BSGU94, BS96a, EL94, HMP14, Jia00, Jia02, Zha14]. **Refinement** [PT19, AA94, AS97, AL98, AGJM04, AKL08, AF89, BMGM12, BW21, BFA93, DF96, FM95, HW97, JP17, LCHR03, MT05, Moo04, OT22, PC00, PPC00, RSK14, SS13a, Tro93, VT93, Zeg97]. **refinement/derefinement** [PPC00]. **refinements** [LH09]. **reflecting** [Dea11, GP98, SG00]. **reflection** [Vic87b, VS91]. **Reflectionless** [Pet00]. **reflections** [Waa88]. **reflectivity** [SSW04]. **reformulations** [PGP03]. **refraction** [An16]. **refractions** [Gro94]. **regime** [BAD13, MHL18, RY13, Sch04, WT20]. **regime-switching** [BAD13, RY13]. **regimes** [GOGF03, LW22]. **region** [AMV03, BMM03, CLTA18, FW22, lLXhLZ21, MMP09, Ou11, Ren14, SP99, ZH15]. **regional** [Bou02]. **regions** [CP05a, CMCGTR02, CSM07, DP90, NU15, Phi91, Yu99]. **regression** [BDD+20, DEPS15, HZCZ23, LG19]. **regridding** [Fer93, TV91]. **regula** [CL07]. **Regular** [AFS00, Hig97, AR93, AA94, Chu03, HP97, MOS02]. **Regularity** [JVZ96, JVZ97, XFLC00, AW09, BM05, DK21, SZL18]. **Regularization** [YY24, AR23, BFS17, BNKR20, BHRY21, BS18, CR23b, DH12b, EG88, Fik23, FFQ09, GH21, HSS04, HJP10, JY20, KMH21, Kli15, LPT16, Lei99, lLX22, MM18, Muo23, Neu88, PP24, RSY12, Sam94, San18, SWW16, SM20, Sid14, Sid23, SD24b, TWD23, WL09c, WZW13, XXQ17, YL13, YXN21, ZH20, ZY23, Zhe19]. **Regularized** [Bad20, CZY18, CG21, AD01a, EEE22, JZS20, JQSC22, KK22a, LV12, LZH19, LHT20, Lyo12, SPS20, TT20, XXF22, YZQ+22, YZG23, ZLG24]. **Regularizing** [Buc17, Chi12, LN08, ZD21, ZW19b]. **regulatory** [MLK06]. **Reissner** [KX03, Lam13]. **related** [BG24, BHHS10, DMGVPO09, KS91, MMP20, PT19, SM13, SW09b, Zak20, dACR10]. **relating** [BW03]. **Relation** [Kid90b, IV16, Kam16, MC17]. **relations** [Leo10b, Lev91a, Mar99b, VVV24]. **Relationship** [CL02a]. **Relative** [TM15, Goo90]. **Relativistic** [DRC85]. **relax** [SC11]. **relaxation** [AKGR14, AL22, AEF+14, BN99, BZ93, CC18, CWY20, Cve02, Fan11, GGMP88, ITZ17, Jac93, JZK06, JW01, JT02, Kor95, LMPS19, LR93, Li00b, Mar05, MDA24, OG08, Poh93, RTV00, RTV02, RZ15, SS08b, VP91, Ye04, YJJ+24, ZYC22, ZY23, ZK00, in 95]. **relaxation-oscillation** [ZYC22]. **relaxations** [BDP96, SC11]. **relaxed** [Gu01, Liu02, PR22, SLMD21, SZL18, ZG20]. **relaxing** [MRS03, Tan01]. **reliability** [BLW02]. **Reliable** [AC10, CCDJ20, CH04, HOS11, Wal19, Zou11]. **ReLU** [CCL22]. **remapping** [CS08]. **Remarks** [BK06, BP12a, Car19, BG14, DL21a]. **remediation** [AVMVMV09]. **removal** [CDI+24, DFZ16, JCL18, LS24c, MRS10].

removals [ZLHW19]. **renewal** [BLL24]. **representation** [AD04, BRIP08, BJ05, DGD03, DJJ+15, GNZ21, KHLV22, Moo95c, NW09, RS21, TD09]. **represented** [CFV10]. **representing** [EGL09, Kam00]. **reproducing** [AD21, BLM17a, DCY20, MDASAO21, SAA20, SD13a, XZT21, ZD20]. **repulsion** [CPD+05, GGRBRG22]. **requiring** [BBLT15]. **research** [HEJ96, KNO96, LWCT07, Var92, CB99]. **reservoir** [ZC92]. **reservoirs** [Aff94]. **Residual** [CF13b, Joh01, Wal95, Wei18, BB94, BSvdV99, Bür12, Cul95, GMS12, Kam16, KAS17, LS13, Sha05, YSBL14, Yi12, Zha97]. **residual-based** [Bür12, Kam16]. **residue** [DCY20]. **resistive** [BM18]. **resolution** [DLS22, CXNF14, CR19, CJLS98, CSCM96, Hag15, Har93, Jor11, MZN21, MM14, Moe98, MG22, Pir09, TDC13, YR22, ZSQ20, ZSQ21]. **resolved** [WK02]. **Resolvent** [Str98a, AK95, Spi97]. **resolvents** [EH08]. **resolving** [SB18]. **resonance** [CDJT06, HLR18]. **resonances** [Kim14, NT20]. **resonators** [Den07]. **respect** [CMP15, Jac93, TM05, Zen93]. **response** [BR94, CCS02, GRGJ02, dlC23]. **responses** [CFC03]. **Restarted** [Mor05, HC01, Jia02, KBG04]. **restarting** [Du11, WPS18]. **restoration** [BS10, BHRY21, CW20, HWY20, SC08, Wan23, WYP12, YLH20, YLW20b, Zen21, ZZX19a, ZN21]. **Restoring** [LL06]. **restricted** [SK01]. **restrictions** [FS05, Ste08]. **result** [Vul95]. **resultant** [Win04]. **resulting** [Tol04]. **Results** [Bie87, AV96, BM89, BT98, BJ01, BJ06, BRS+18, BC89b, CKPS15, DMA22, Fdi97b, FNT06, GH91, GGO12, GGO16, GPHAM12, GPP04, HOEC86, IS22, JL94, LLV18, LS07b, LFS15, Ma03, MRF00, NSD23, QLL+08, San89, San20, Tou97, Van00]. **retarded** [Bic16, DD97, FS15, MD19b, ZP98]. **retinex** [SH21b]. **retrieving** [KDS22]. **Reuse** [WSC09, CZ97, Ere19]. **reused** [CMRdlT24]. **reverse** [AGM95]. **Reversible** [Lei99, HLR01, Lei02]. **reverting** [DMS23]. **Review** [Gat91, Tur93, ABFV09, Cas06, CV88, GM94, Pla08, Tsy98]. **revisited** [LJYS20]. **Revisiting** [ZB19a]. **revolution** [LX08]. **reweighted** [GZW22]. **Reynolds** [FHM+02, Kwe01, PBC08, PGM86, SQ17]. **rezone** [HL89]. **Riccati** [AB10b, BHSW16, BHSW20, CF13b, DS21d, MDASAO21, RR21, ZFC20]. **Richards'** [AÁ21, APJ09, BCS17]. **Richardson** [LX09, NS03]. **ridge** [LG19]. **Riemann** [Hey20b, CH15, CG14, DCJ20, Gu20, LK07, LZCF21, LR20b, RZ15, Sch16a, SL15, SND19, YZC21]. **Riemannian** [SYW22, YLL21]. **Riesz** [AD20c, AHO16, CDW13, CLTA18, HMD21, HS21b, JHGZ20, MCS16, DE18, SSKS21, XF22, XWX21, ZM19, ZZ19a, ZZX20, Zhe19]. **Riesz-fractional** [AHO16]. **Riesz-space** [SSKS21]. **right** [AED12, EJS04, SY05, Shi20, ZD21]. **right-hand** [AED12, EJS04, Shi20, ZD21]. **rigid** [MCBV20]. **Rigorous** [RNG22, CY05, JR18, MPG+16]. **ring** [WB90]. **rings** [DG96]. **Ripa** [TK15]. **Ritz** [BGO13, LH02, Lot19]. **river** [AVMVMV09, HS98, IHS13]. **RK** [AFS96, CX08, GPHAPPR23, SG96, SAH24]. **RK-methods** [AFS96]. **RKDG** [ZQLK11]. **RKN** [Con01, CM07, FG09, Lab99, WMF17]. **RKN-type** [CM07, WMF17]. **RLW** [TWMP20]. **RMIL** [KKLD21]. **Robin** [AS21, Uty08, BCL15, GD23a, HS21a, HS19b, LHC23, NX22, OGS20, SDK24, SSR23, WR20]. **Robin-Robin** [NX22]. **Robin-type** [Uty08, SSR23]. **Robinson** [Ran15, Ran16]. **robotic** [BdFPSdSC08]. **Robust** [BBD24, DLZ21, FH04, DLM16, MV20, PFHL09, Sha21, WCS21, BGO13, BO04, BW97, BZ17b, CPZ17, DPPR16, Eva94, GOP06, HOS11, JJL+24, KOS+12,

LTC03, LB21, Nag22, SZ09, PLB22]. **robustness** [EH08, Fuj02, PRGO16, WZ02]. **rock** [RMCG04]. **rods** [Cop03, LA12]. **rogue** [DTQ+20]. **Romanovski** [AGZD22, YZH24]. **root** [AC10, BASC17, CHM22, CKL03, Car94, KK20b, KK22b, OFY+23, Waa88, Win01, Lu98a]. **root-finding** [Car94, OFY+23]. **rooted** [Kom07]. **Rootfinding** [Boy07]. **roots** [Alt85, Boy06, Bre06, CP94, CGTTN24, Iga85]. **Rosenau** [AZHD23, CCK08, MZXX24, TWMP20, ZZLL21]. **Rosenbrock** [AMC02, AH17, CO09, GTS20, HHR12, Nov08, PWS05, Ran16, Wen98]. **Rosenbrock-type** [CO09, HHR12, PWS05]. **Ross** [AHT17, KL23b, WMC09]. **rotary** [RVD00]. **rotated** [BL21, WCXL09]. **Rotating** [LR19, TC03, ZB07]. **rotation** [Zan91]. **Rotational** [LFQH21, AC18, LGS21]. **Rothe** [LW93]. **rough** [By01, CWM09, HHW18, Mul19]. **round** [FV85]. **round-off** [FV85]. **rounding** [CH89, RB12]. **row** [BS91, SEGV02, GR93, GHW01, SW98, SBG09, WSP97, Wen05, ZX09]. **ROW-code** [WSP97]. **ROW-methods** [SW98, ZX09]. **ROW-scheme** [SBG09]. **ROWMAP** [WSP97]. **rows** [BW23a, KS91]. **Rüdiger** [GR02]. **rule** [CP03b, DN24, Ioa89, RS08a, Str98b, van86a]. **rules** [Agu15, BW23a, BBCR22, BT97c, BDMGVO05, CMP15, CEW00, CBHY11, Der92, DRS19, DDRS24, ELR+15, FLMR14, GVSL96, KM17, KCI03, Lai09, Maj14, OR20, Pel15, RdAP96, RS21, SST12, SMJ24, The17, Tom24, VV05]. **run** [LWD+09]. **run-time** [LWD+09]. **Runge** [But97, Gar10, KM18, WBCK02, AH11, AHJM19, AJ19, AHJ+23, AM95a, AB17, Alb96, AMP03, AMCM08, AH17, Ant23, ARS97, AFK92, BMQW16, BDGP96, BT97a, BDP99, BJ05, BZ93, BV96, Bel97, Ben96, BC08a, BG02a, BCR01, BCET22, BS92, Bos09, Bot97, BJ11, BO11, Bru93, BJ03, BB96, BB98, But96, BS96b, BW96b, BC97b, BT97d, BC00b, BSW93, BS02, CMR94, CH95b, CIZ96, CdFN01, CG05, CCG13, CV95, Cas96, Cha96, CCM02, CG13, CCS17a, CS03, CSLY19, CGS20, Coo89, CST97, CN11, CPR93, DIJ12, De 88, DVV93, DS05, DR09a, DR09b, Dia95, DM11b, Duj09, Eir95, EH97, Ere19, FMS24, FS05, FS08, FJL21, Fra04a, GHW20, GZQS23, GCHR06, GMG04, GJ00, GPMR95, GPMPR03, GPHAM12, GML00, HZ96, Hig96, Hig97, HR06, HS09a]. **Runge** [Hoa15, HO05, HXW15, HHW18, Hor98, Hor05, HEJ96, IRC12, IJ17b, Jac93, JVZ96, JVZ97, JKN94, Jay95, Kau93, Kau95, KCL00, KC03, KC19a, KC19b, KMG09, KS08, KW98, Kom07, KS89, KS09c, KKR15, KNO96, Lab98, LX08, LW17, LW19b, LLZ+22, LP97, LO96, LS05, MEGW23, MK99, Mur98, NS21a, NS20, Ore93, Ost93, OT02, Pan07, Pat98, Pat00, PCR17, PJB04, PAJ12, PCRR17, Ran16, SA21, ST89, Sch02, Som86, Som93, Spi96, Tsi01, VDVV98, VV02, Van00, VZ93, Ver96a, Ver06, Ver96b, WGKS12, WYL11, WHL19, WSW96, WX06, XG22, YBW20, YC13, Zen93, ZZL01, ZJ19b, ZYQS21, ZFX17, ZZX20, ZSQ20, ZSQ21, ZC99, in 92, in 96, vSC92, vS93, vC93, vS96, van96, vdSvdH95, vB95]. **running** [CRU15]. **rural** [CCM17]. **Rutishauser** [AC10]. **RWPM** [HK93]. **Ryaben′kiı** [Tsy96]. **Ryaben'kii** [Ano00h, EST15].

S [EST15, MZ87, Tsy96, SZY21]. **S-ADMM** [SZY21]. **Sabin** [BFGP08, LMS09, MB10, SST09, SST15, Spe12]. **Saddle** [DJ10, AL05, BM12a, BHB23, BCGS24, Cao03, Cao07, Cao09, Cao10, Cui04, Elm02, OG08, Sim04]. **saddle-point** [Sim04]. **saddles** [SSL93]. **Saint** [FCX06, IMC22]. **Saint-Venant** [FCX06, IMC22]. **sample** [YXZL24]. **sample-size** [YXZL24]. **sampled** [RS09]. **sampling** [AQJ18, AQ20, KK02, QL16]. **sampling-based** [AQJ18]. **sand** [FF20].

sandwiches [NBP94]. **SAOR** [Yua93]. **Satisfaction** [PT09]. **satisfying** [BRS16, SYY20, SG16, Str98b]. **saturated** [MCM12]. **saturation** [PRS20]. **SAV** [HMD21, ZL23]. **saving** [LCJQ12]. **scalable** [DHS05]. **scalar** [AKG14, Bac14, BP85, CCL22, CP97, Die15, HMD21, KKR15, Mon21, Pel20, Ric91, Tan01, TDC13, TZA13]. **scalars** [MA04]. **Scale** [BHJJ06, WVBM88, AB10b, Bai02, BHL+21, BMR+17a, BHSW16, BHSW20, BT02, BJ11, BDD+20, CLL23, CR23b, DRVA20, Dat99a, DW15, Ewi91, FTB97, FBM17, Gen10, GT02, Hab08, IKR+22, JY20, KM11, LP05, Lei02, LS13, LCJQ12, MW24, MPG+16, Per99, PS03, PS19, Pul05, RMK09, SDK24, SM89, Toc01, WDZS21, Wan23, Yan21b, YLH20, ZD21, van95]. **Scale-invariant** [BHJJ06]. **Scaled** [GP93, BKAG22]. **Scales** [RMM12, Boy91a, JEG10, SZ22a, SWL20]. **Scaling** [BLP01, BMM03, BSZ99, FK23, Mon21, NZY21, PCR17, PRS23, SBS+20, SW09b, Wei09, dRT99]. **scattered** [BE99, CPZ17, DR93, GÖ20, LN08, PS02, PS03, ZHL08]. **Scattering** [FvdMS17, AA20, BBLT15, CWM09, CM14, CAAT16, DH12a, FvdMS20, GAW09, HD04, HM86, HMP14, IT07, KJL12, KNP16, LKJ20, LGH11, MP05, Map05, Men23, Ngu15, NT16, QC12, QL15, Rat13, Tah96, VT91, WN12, WL16, WQ17, WG19]. **schema** [MR20]. **scheme** [AA05, AD20c, AKG14, AAH21, ACMR06, ABR05, AR15, APJ09, AGK24, AS20c, BF92a, Bar09, BK09, BtTBV87, BMMZ06, BP97, BTC23, BIO24, BC23, BRBM08, BBKS07, BC97a, BS18, BCS06, BD22, CGT13, CXNF14, CFLW22, CHM22, CCDJ20, CFS13, CHS19, CC19, CC20a, CCST22, CQZ20, CNT07, Chi21, CRU15, CCL04, CMCGTR02, CMP23, DKSS24, Dav98, DGE22, DL22a, DLM20, DGM18, DMM24b, DYZ20, DLQZ23, DHM09, Duf90, DJJ+15, EEE22, FVGS13, FP02, FE93, FWHM20, FGP23, FCW21, FGGL22, GLLW14, GLML20, GM18, GS94, Guo00, GZHQ23, HKO12, HPH20, HC22, HJZ23, HS86, Hol01, HLMKZ06, HJKW17, HJYL19, HL21, HLJ20, HLY22, HV89, IMC22, Ito17, Ito22, JK21, JK17, JZXJ21, JN07, JZZH22, JT02, KL21, KS00, KMH21, KD13, KHB22, KHYY21, KCY19, KW12, LO22, LRS23, LDIW16, LPR00b]. **scheme** [LMA18, LMY18, LL19, LH20, LA21, LWYG22, LXZS22, LS23, LH23, LZW19, LS99b, LSGK15, LCL18, LLD18, LS20, LFS21, LL21, LCZ23, LD22, LE94, Lte24, LP01, MDP10, MD19a, MD20a, MSZ+24, MMDH19, MMD20, MM20a, MPV24, Mic03, MdD04, NV23, OR18, OR20, OFY+23, PXHZ20, PKSB10, PGDB08, PHY19, Pel20, PD01, PGYF20, PVM22, PH17, Pło22, Pow94, PWX24, PYD21, QH22, QXQ22, RZ00, RZ18, RL21, RGB20, RT14, RK91, Ror06, Ros93, RGMO19, RG21, RO16, Sac93, SC19, SRMDRL23, SYY20, SG16, SC20, SXL22, SL22, SL21, SNW22, Sin23, SKS23, SED21, SB19, SA18, SBG09, SR97, SW24, zSW06, SG17, SND21, TZ21, TWL23, Tan93, TX18, TH18, Tan23, TLG20, TDW23, Ton04, TDPU17, Tow16, TY00, UHUL21, VA21, VVD95, VCC12, VRC21, VL19, Wan07a, WL18, WH19a, WDH20]. **scheme** [Wan20, WDU21, WWL21, WLM21, WCS21, WCM21, WLG22, WWZJ22, WDL23, WG23a, WaZW23, WLY24, WS04, WG11, WYY20, WSC21, XWW19, XW19, XZL19, XWX21, XLZ23, Yam18, YTC24, YZH19a, Yan22, YZ21, YCWH23, YXZ18, Yua20, ZBD24, ZW09, ZWH+17, ZWJ18, ZJH18, ZLX22, ZLSZ22, ZJH+23, ZWN23, ZL23, ZFS24, Zha01, ZLX19, ZZL17, ZZLL21, ZGDL17, Zla85a, ZR15, ZL24, tV87]. **schemes** [AC98, Aca12, AJ24a, AD08, AEMX17, AÁ21, ADFR18, ACLM22, AGM95, Ano87a,

AM04, ACM91, ÁKM20, BDMG12, BCG21, BBD20, BBRBS09, BCE04, Ben17, BG24, BCCHM21, BK21b, BC05, Bi20, BM12b, Bor16, BSvdV99, BO11, BDE22, BR20, Bra22, BL06, BMWH20, BO21, BS20b, BL08, CLT97, CMP20, CCG13, CGA93, CW98, CC04a, CCS17a, CZY18, CR19, Chi12, Chi93, CS18, CMMR23, Con04, CM04, CCS17b, DD97, DT10, Dit21, DKK94, DMR18, DS15, EN09, Est95, FMS24, FCX06, FG98, Fid17, FHX22, FL01b, GX11, GZQS23, GHKM09, GPMR95, GGRN17, GGRBRG22, GGT24, Gul15, HO10, HOEC86, HCS20, HEG16, HZ20, HW15, HWZ22, HL24, itHT18, ID19, IKMM23, JL86, JL87, JTB15, JWG20, JQSC22, JY23, JJL$^+$24, JL94, KGR08, KTK20, KMR09, KAS22]. **schemes** [KCL00, KC03, KC19b, KL07, KM18, Kra92, KR12, KKP17, KLSW06, LCVG01, LP24, LMPS19, LY10, LRC19, LXZ21, LW21a, Li22, Li23, LPV24, LS21, LYC24, MS03, MZXX24, MM14, MCD20, MV18, MJS23, NWL$^+$22, NRR06, ÖT20, Ort20, Pan07, QW04, QNA23, Ram94, RGÖS18, Rog19, RV05b, RTU15, Rus95, ST14a, Sam94, SGR21, SA21, SMB23, Sch93, SUP$^+$12, SM93, SS94b, SZ22b, SZE$^+$92, Sid02, SDK15, SHG86, SSPZ20, SLZ10, SGN06, Tah96, Tan01, Tan24, TGB08, TZA13, Tol03, Tol04, TÖR22, TH09, Tou10, TJ12, Tur86, UWY22, Vab21, VV02, Ven15, Vul92, Wan21, WWM22, WPAZ24, WB03, XLZ20, XP23, YPD21, YZG23, YR22, YZH24, YDWW17, YH07, ZM17, ZY19, ZYQS21, ZZZ23, ZQZ23, ZW24, ZLG15, Zla85b, iW07, iV09, iW09, iM13, vSW90]. **Schnakenberg** [OZHP23]. **Schole** [Rou20b]. **Scholes** [AAM03, ALZ$^+$21, Bis11, RG21, iV09]. **Schröder** [CP94]. **Schrödinger** [ZCSH11a, AZA22, AT15, AL22, ÁMS14, ÁMS17, BUL23, BOEP00, BZ17a, BSV09, BC23, CHP19, CC23a, CGP15, CCG13, CJL13, CC19, CC20a, CWY20, CG21, DW21, DTQ$^+$20, Duj09, Ehr08, FWHM20, FI03, FCW20, FXCW21, GT15, GX11, GLLW14, GM16, GD23b, HCS20, HC22, HZ20, HMY19, HY24a, HLMKZ06, HJKW17, HJL18, HLJ20, HCGW22, JLZ20, KCY19, KLSW10, LO22, LZH19, LSWM19, Li23, LC24, LZW17, LZW19, LS24a, LCM22, LCM24, MZZ17, MP11, MG97, Moe98, PXHZ20, Sim91, WL18, WH18, WMLB19, WDH20, WT20, Wan21, WL22, WL24, XW19, XL23, XCHW22, YLX21, Yan23, YF24, ZCSH11b, ZR15]. **Schrödinger-like** [LCM22, LCM24]. **Schrödinger-type** [Ehr08]. **Schrödinger/heat** [AL22]. **Schur** [Cao09, Cao10, CG89, GM87, KMS10, LN24, RZ04]. **Schur-complements** [GM87]. **Schwarz** [AL22, AK95, CC18, DdSF07, DLN04, DSS15, Heu00, HH10b, KKP07, KFOF02, LHH96, LCS19, LX21, MOS02, Mai06, Mai09, Mar05, MPHFP23, MOSW00, MLB97, NMB10, OH20, QLL$^+$08, Wan05, WCXL09, ZT06]. **science** [KAS17]. **Scientific** [BJS12, CFTW08, LST07, MH89, MM16]. **Scott** [BL08]. **scrambled** [Sch08b]. **SDE** [AH17]. **SDEs** [BSTT22, CDR20, DR09a, GHW20, KP18, Kał22, MEGW23, RO16, Sca22, WG22, Yam23, ZM17, ZW24]. **SDFEM** [FLR08, ST08, ZMC13]. **SDIMSIMs** [JAH21]. **SDIRK** [CPP02, IJ21]. **SE** [QM10]. **Search** [DIJ12, Bur93b, CH22, Fer14, HP15, MD23a, Sch99, SXP09, WZ16, YZH19b, YLW20b, ZH15, ZP12]. **seawater** [AMRR18, MNR14]. **secant** [ABKG21, CSM07, Nov08]. **Second** [AKG14, Beg00, BMPR15, FH20, FJP17, yGqWsWC05, ITZ17, LL19, TDPU17, WDZS21, YQCZ22, AH11, ABH14, AH15, ACDP22, Abu04, AB88, AHA23, All24, AHB20, AT13, AD18a, Aze22, Bac17a, Bac17b, Bac19, BG24, BHR05, BRBM08, BBKS07, BMM97a, Cai24, CGA96, CXZ17, CSLY19, CWX21, Chi21, CCJ99, DR09b, Deh05, Den93, DC09, DL21b, DAMA23, EHM01, EH91, EH07b, FW08, FWHM20,

Fer93, FG09, GLML20, GP23, GOP06, GGR97, Guo00, yGpY09, Gwi09, HGM+21, HKO12, HP18, IKMM23, JZXJ21, JN07, JY23, JJL+24, JCN94, Kan89, KX91, KwS19, Kin94, KKP17, KLSW06, KW10, KDD23, LHHR94, LW17, LMY18, LLJY20, LH20, LWY20, LW21b, LZ22, LQXK23, Lia22, LX09, LWZ22, LTT19, LS20, LW20b, LCZ23, LNZ12, LE94, LL02, LDH+24, Luc05, Man97, MVVA09a, MYSC17, Mie89, MD20c, MKJ23, Moo04]. **second** [MAF20, MSA20, MAH22, Mur98, Nap16, NSCC19, NV23, NWL+22, NSD23, Pan21, PHY19, PMP23, Qi24, QXQ22, Qiu23, RZ00, RG20, RT14, RO16, SMJ12, Sac93, SAA20, Set24, SV00, SC20, Ske89a, Sof17, SvdHN86, TZ21, Ton04, TH23, Udd20, VV02, VV09, VL19, WH13, WWX13, WMF17, WWZJ22, WLY24, WW24, WKN20, WAV12, Wu09, XXYZ24, XL09a, XY19, Xu21, YJ21, ZWH+17, ZLX22, ZLW22, ZFX17, ZLS20, ZZJ21, ebKMZ24, iW09]. **second-** [LLJY20]. **second-degree** [Kin94]. **second-kind** [Lia22]. **second-mode** [EH91]. **Second-order** [BMPR15, LL19, WDZS21, YQCZ22, Abu04, AB88, AT13, Bac17a, Bac17b, Bac19, BBKS07, CGA96, CXZ17, CSLY19, CWX21, CCJ99, Deh05, Den93, DL21b, DAMA23, EHM01, FW08, FWHM20, Fer93, FG09, GLML20, GGR97, HGM+21, HKO12, JN07, JCN94, KwS19, KLSW06, KDD23, LHHR94, LW17, LMY18, LH20, LWY20, LQXK23, LWZ22, LTT19, LW20b, LCZ23, LE94, LDH+24, MVVA09a, MYSC17, MD20c, NSCC19, NV23, NWL+22, PHY19, Qi24, QXQ22, Qiu23, RO16, Sac93, SAA20, SC20, Ske89a, SvdHN86, TZ21, Udd20, VV09, WWX13, WMF17, WWZJ22, WLY24, WKN20, XXYZ24, XY19, YJ21, ZLX22, ZZJ21, ebKMZ24, iW09]. **Secondary** [DRC85]. **section** [IJ14, Lin10, Meh08]. **sections** [RLMG24]. **Sectorial** [Auz03, BG02a, Chn17, PGA93]. **securing** [GL93]. **sediment** [BDES12, KDAK16]. **sedimentation** [Die15, MM14, RBT15]. **Segel** [DvHM19, MDRR11]. **segmentation** [BCM04, LK14, SMA01]. **segregated** [vdHVW01]. **Seidel** [WX22]. **Seismic** [SR88b, BBD20]. **seismograms** [Abr93]. **Selected** [FJ97, ND85, vdHSW98, KW12, Sca22]. **selection** [BW23a, BBPR05, BT97b, CZY18, Fdi97a, HL97, NCYC22, Odi19, San18, SPS20, SL21, Söd06, WPL16]. **selector** [YP18a, YP18b]. **Self** [TLQ21, BS18, GLS09, Gul15, NZY21, RK08, Rob10, SL08, YLL21, ZX22]. **Self-adaptive** [TLQ21]. **self-adjoint** [RK08, Rob10, YLL21]. **self-diffusion** [GLS09]. **self-mapping** [SL08]. **self-regularization** [BS18]. **self-scaling** [NZY21]. **selfadjoint** [HM01, XYHM20]. **semantic** [TS08]. **Semi** [Bou02, Fat10, FMU15, GPHA06, KMR09, Mar99b, Min04, AGQ+24, Beg00, BB15, BC08a, BN03, BL06, BH97, BD22, CGT13, CXNF14, CGJ16, Cao01, CWX21, CYWH22, CL09, CBHM19, DTQ+20, DII15, EEE22, FVGS13, FD16, FR18, GBBC+23, GS09, HCY18, HLJ20, HS21b, ID19, KDH20, KKP17, LWT07, Lay08, LMA18, LL19, LA21, LW20b, LL20b, LfX15, LRT99, MZZ17, ML16, MMDS21, MD20c, Pan07, PP00, RT14, SH09, SS21, TZA13, WL10, WC11, WW19, WJM22, ZR15, de 96, CF13a]. **Semi-analytic** [Fat10]. **semi-analytical** [KDH20]. **semi-axis** [GS09]. **Semi-classical** [Mar99b, Beg00, FR18, MZZ17]. **semi-coarsening** [LWT07, de 96]. **semi-discrete** [BL06, CXNF14, EEE22, RT14]. **semi-discretization** [CGT13, WJM22]. **Semi-Godunov** [KMR09]. **Semi-implicit** [FMU15, GPHA06, Min04, Bou02, BN03, BD22, CWX21, CL09, DII15, FD16, GBBC+23, HLJ20, ID19, Lay08, LMA18, LL19, LA21, LL20b, MD20c, Pan07, SH09,

SS21, TZA13, WC11]. **semi-infinite** [KKP17, LRT99, ZR15]. **Semi-Lagrangian** [Bou02, BB15, BC08a, CBHM19, FVGS13, MZZ17, PP00, WL10, CF13a]. **semi-linear** [BH97, CYWH22, HCY18, HS21b, LW20b, ML16, MMDS21, WW19]. **semi-local** [AGQ+24]. **semi-permeable** [CGJ16]. **semi-rational** [DTQ+20]. **semi-simple** [LfX15]. **semi-stable** [GPHA06]. **semiaxis** [DO17b]. **semiclassical** [WT20]. **semiconductor** [AW03, BCCHM21, BK12, MT11, ST05, YY13]. **semiconductors** [JT02, JT06b, Sac93]. **semiconvergence** [SW03]. **Semidefinite** [Ren99, BSZ99, GS99b, Hua20, Hua21, SZ99, VB99, dRT99, ZNK02]. **semidiscretisations** [Sei02]. **semidiscretizations** [ALMM96, ALMM98]. **semilinear** [ANN19, APJ10, Bog12, CL10, CDW23, CWZ23, CJ24, GJlL23, HKO12, HN22, LCHW20, LXZ21, LS98, MR20, MT20, RS20, Sch95b, SD09, Tia15, Vul95, XHJM21, XGHM22, XHYM22, YCWH23]. **Semilocal** [AHR12, ABM17]. **seminormal** [RSK14]. **semiorthogonal** [MB08]. **semiperiodic** [VVD95]. **semiregular** [KV20]. **semismooth** [PGP03]. **semistrip** [DT15]. **Sense** [BAP+06, SSA+22, VA21, ZAB15]. **sensing** [ABKG21, BKAG22, KKLD21]. **Sensitivity** [BB10, HO16, LPZ00, SMEN04, Toc01, ABdSG23, BBPR05, BAP+06, CHZZ06, FTB97, GFB99, JLH13, LHÖ13, MP96, TLP18a, TLP18b]. **sensor** [RSD+06]. **sensorineural** [BF09]. **separable** [AMR12, BD17, GBDB97, SB14, SY07, SZY21, SGY22, YJJ+24]. **separated** [Eng11]. **Separation** [KL87, PM03, EW08, EHV24, Gus87, OK98]. **Separation-of-variables** [PM03]. **September** [Ano23x, Wen10a, Ano21r, Ano22r, vdHSW98]. **septic** [KK23]. **Sequence** [Bak86, Ber85, BZ94b, BZ96, Bre02b, Dra91, Fdi97a, Gil91, GM94, Hua98, Lem02]. **sequences** [BL86, BKP15, Dés08, DJM09, GGM07, Jéz04, JT09, Lav94, Mar99b, Sch08b, SSX14, TJK18, Wen10a, Zuu95]. **sequential** [BMGGG12, BT97c]. **Series** [GGS16, RB12, AR93, BP02, Bor10, BW15, Boy06, Bre02b, CFV10, CM06, CL88, DK11, Gil91, HW93, JKN94, LG87, Lon86, Lon88, Mat91, MdR05, Meh22, Moo95c, Mur99a, Mur99b, PCA10, Pré95, Sch98, Wen10a, Wen10b, WB90, Woź10, YR09, ZB19a, ZJ10]. **set** [CP07, DMH18, DLP06, FM07, FMU15, GT02, GKL07, HA21, HMW05, KM11, KK22a, MCS06, MPG+16, Sch09, TL07, VA21, ZWL11]. **set-oriented** [MPG+16]. **set/moving** [PH15]. **sets** [CP10, DMM24a, Eng11, HP97, RTH23, SL08, Zup03]. **setting** [AD04, GC15]. **settling** [BCS06]. **Seventh** [CFTW08]. **Several** [KC94, BS20b, CKM10, Dar90, Kid90a, Kid90b, MDD14, Ros93, Str98a, Xu13, ZD21]. **SFDEs** [XZ19]. **SGI** [Zar99]. **Shabat** [FvdMS17]. **Shading** [CP06, GV04]. **Shadowing** [Zha19a, HJ05]. **Shadows** [SSL93]. **shallow** [AQS94, BDMG12, Beh97, BTC23, BDE22, BD22, CFXZ06, CCM17, DL21b, FCX06, HAN23, HL03, ID19, IM00, KOS21, Lie01, QLL+08, STS00, SCT05, SW12, Tou10, VCC12, WLG22, WC24a, YTC24, ZGDL17, de 92b, vdHS01]. **shallow-water** [Beh97, QLL+08, SW12]. **Shanks** [BRZ17]. **Shannon** [BDOG19, CPOGO17]. **Shape** [CP06, DF92, GM08, GMZ08, PGM86, Rat13, TLP18a, TLP18b, YZ24, ZWL11, GM10, KP01, LYZJ23, Meh08, NCYC22, PM05, Rya00, WM08, GV04]. **Shape-from-Shading** [CP06]. **shaped** [BDSG09, DH12a, LC19, Pel20, SW24]. **shapes** [HHL23, ZS18]. **shaping** [EH05, LT07]. **shared** [JP93]. **shared-memory** [JP93]. **Sharp** [WCM21]. **Sharpening** [FP02]. **Sharpness** [FNT06]. **Shaw** [GLML20, GJLL20, WWZJ22]. **shear**

[IK24, KC94, LBCN00]. **shear-layer** [KC94]. **sheet** [CDV00]. **shell** [SYL+20]. **shells** [FSB97]. **Shepard** [DDNZ18, DD20, DDGN23, Zup04]. **Sherman** [Mit24a]. **shielding** [RU07]. **Shift** [BLM17b, BFLR23, FL24, WPL16]. **Shifted** [AAEMY21, BLY16, BB10, CCQ+23, ER18, EVO06, HAA21, HvdHV10, LIPT18, PH17, SSX14, Tow16, WPS18, vdES04]. **shifted-Laplace** [EVO06, HvdHV10]. **ship** [Mot17]. **Shishkin** [FR01, Len00, LS99b, NS03, RG22]. **Shock** [KXR+04, Sal93, CSCM96, Gro94, KD13, KCJP01, KOW05, Qui96, Sod91, XLK07]. **shock-capturing** [KD13]. **shock-induced** [KCJP01]. **shocks** [Kop89]. **Shooting** [ABRW18, ELLE02, GM93, GGM95, HK93]. **short** [Mun00, WW99]. **shortening** [FG01]. **Shortley** [LHWF08]. **shrinkage** [Jia12]. **Sibsonian** [BS00a]. **side** [AED12, DL13, Shi20]. **sided** [ABI22, GH02, GL17, LS21, MB20, MWC21, MT06, YLFT20, YDWW17, ZEW20, ZLWF21]. **sides** [EJS04, ZD21]. **sigmoid** [Aze22]. **sign** [DCC14]. **sign-changing** [DCC14]. **Signal** [ABJ12, SM13, Söd06]. **signaling** [MDD18]. **signals** [Pul05]. **Signorini** [BRS05, KPR06, Wal19]. **Silicon** [CB99]. **SIMD** [Ney95, SD93]. **SIMD-type** [Ney95]. **similarities** [Gab02]. **Simple** [RGB20, Ban97, DSZ15b, DSZ15a, Lam13, LS12, LS93, LfX15, Tan24, Van92, Win01]. **Simpler** [SMTHE22a, SMTHE22b]. **simplest** [SvV22]. **simplex** [DhW09]. **simplicial** [MKH16, PT23, PC00]. **simplification** [DEPS15]. **simplified** [FN95, GS20, LH02, Zha01, dlC23]. **SimRank** [NLLG20]. **simulate** [DA18b]. **simulated** [Dah02, GOGF03]. **simulating** [FPRA09, Pul05, QPT23, SWFK13, Tan24]. **Simulation** [CF86, CL02b, DRC85, MH89, MD00, QW04, Ta'86, Tse00, WM08, AQS94, AA22, AEA23, Ari04, Arn95, AS06, BBD20, BGM+09, Boh03, BBL02, CK22, CCK03, CCM17, DS07a, DA19, Den07, EWW99, FMW18, FKA+13, FMSV07, FJH+01, GG95, GT19b, Gro94, GD22, HLR18, HPW21, KL07, KTS03, LCVG01, LA12, LT00, MH04, Min87, MDD18, NRWF08, NT20, NA21, OB20, OB24, OK98, QM03, RI02, RR00, RVD00, Sch91, SUP+12, Son91, ST05, Spi90, SH91, TER03, TYKK01a, VV95, Wag85, XLK07, ZdBT03, Zha96, ZS21b, dlC23]. **Simulations** [WVBM88, AJT19, AF04, BGG+21, CS19, CS01, CKS05, De 02, FJL21, Kar89, KC94, KKE16, LS07b, MNR14, NC16, Nür09, SYG+05, SM89, Tia15, TSFB01, WK00, Zan91, ZQLK11, dB03]. **Simulator** [Nak05]. **Simultaneous** [ASZ15, KN08, CP94, DO17b, KYI17, PSR04, RVM23]. **simultaneously** [SBBC21]. **sinc** [AQ20, AT13, Boy91b, CJ22, MLB97, Ril92, KB21, KESYB23, QXG21, RG20]. **sinc-Gaussian** [AT13]. **sine** [AS20a, Bac17c, Boy07, DC18b, FCW21, Har00, HS21b, LZ18, Nak24, SBBC21, SLW17, SK22, YF24, XWX21]. **sine-Gordon** [AS20a, Bac17c, DC18b, Nak24, SLW17]. **Single** [KKN+17, AM99, BC12, BN12, CDR20, GGN12, HJZ23, LL98, TT20, TLQ21]. **single-phase** [LL98]. **single-species** [HJZ23]. **singly** [BC97b, BC00b, FS08, KW20]. **singly-diagonally-implicit** [FS08]. **singly-implicit** [BC97b, BC00b]. **Singular** [WW24, AY21, Aff94, AL95, ADR17, AFS00, AAD14, AM10b, Att97, AAB+22, BWY03, BLM17a, BPTT15, Bru07, BKW06, BRW17, BRS+18, CHLX07, CJ90, CHS19, CCST22, Chi12, CH21, CP17, DN21, DLPV17, DCY20, ELR+15, FK23, FHM+02, Fat10, GS17, GMG19, GLM09, GGS16, Gu19, HM87, HM09, HY24b, Jad94, KV07, KX91, KHLV22, Kat89, KSHB21, KKW00, KBG04, KDKW20, LG21, LP24, LLKJ21, Lia22,

LD97, LO03, LMSW17, LNZ12, MAHZ21, Maj14, MO17, Man96, Mok17, Naj20, ORT24, PPT02, PT11, PTV16, PTV20, PT15, QXG21, Rab94, RN22, RGA19, Rou20a, SWW17, SY05, pSLqJcY16, SHLY19, SVB17, Sid90, Sid14, SPYS24, SS16, SW03, Sto96, TMD92, Tan93, TS08, Vas17, Vul92, Vul95, WTY21, WCM21, WZ22, Win01, Yos00, ZG92b, ZD20, dAF17, dSFDG20]. **singularities** [BH97, Has20, KM17, LH02, LHWF08, MK20, ZMY21]. **Singularity** [RLSS06, CKK10, Has09, HY01, KLSW10, LL21, PA18, YT03]. **Singularly** [Rei85, AL98, AN22, ÁMS14, BM00, BM01, BO04, BBRS97, Bog00, BFLR23, CR23a, CJ23, CJ24, DLZ21, DAMA23, FL24, GD23a, GD21, GOP06, GO19, GO21, GO23, HO24a, HO24b, KMS19, Kau95, Kau97, KS04, KK20c, Li00a, Li01a, LX24, LT01, LW95, MOSW00, MPtM16, Mus11, OS08, OQ15, PZMX16, Pap95, PMP23, RG22, RK08, RC18, RSR23, RTU15, SDK24, SK16, SW21, SSR23, SKS23, VN21, WC24b, YZ17, Zar17, ZCZ15, ZL18a, ZL22, ZLG15, ZX14]. **sintering** [Zha96]. **SIR** [WS22]. **SISO** [De 06]. **Sitter** [MPMD21, ZH21]. **Sivashinsky** [AS04, KK23, Mar93, MDA24]. **Six** [MS03, Bri85, Par21]. **six-dimensional** [Bri85]. **Sixth** [SA18, AHR12, BM06a, CHSS01, CST97, RTA19]. **Sixth-order** [SA18, BM06a, CHSS01, CST97, RTA19]. **size** [ALM04, AFS02, DS07b, Den07, Ein18, GPPR12, HOS99, HLR01, Hor05, KP18, MJS23, PAJ12, RAS99, Wai98, WWM22, WK02, YXZL24]. **size-binning** [DS07b]. **size-resolved** [WK02]. **size-structured** [ALM04]. **sizes** [Sha85b]. **skeleton** [PC00]. **skew** [DS21d, Kru99, KCB02, Zan91]. **skew-Hermitian** [DS21d]. **skew-symmetric** [Kru99, KCB02, Zan91]. **Slater** [CPD+05]. **Sliding** [Die20]. **slightly** [BB10, Kie17, de 95a]. **slip** [LA11, RZS21]. **slope** [CZY18, SL21]. **slots** [CDJT06]. **slow** [KOW05, SKW17]. **slowly** [Woź10]. **Smad** [MDD18]. **Smagorinsky** [RÁM23]. **Small** [PGM86, AKGR14, AA20, BBLT15, FXY22, FS23b, Pav00, Zar17]. **smallest** [KBG04]. **smectic** [FMW18]. **Smith** [ADM10]. **Smooth** [JR18, BUL23, BBLT15, CL14, Dar00, FvdMS17, GANT02, HK22, KR18, KDS22, MD06, Mat86, Ram12, TWH21, TWD23, dOF20]. **smoothed** [CDD00, GJV08, LL06, SKR+16]. **smoother** [BGM19, BS97b]. **Smoothers** [Bre02a, ABCC18, BG02b, PRGO16, RGL16]. **Smoothing** [DLPV17, GSR00, Naj20, ZY23, CRS05, Haa97, KM95, MYSC17, NSCC19, Phi87, RN22, THW19, Tan23, Wal95, ZRA23, Zha97, vSW90]. **smoothness** [RGB20, Tan24, WG23a]. **Sobolev** [AD20a, AyLqW18, CMR12, Che12b, DSA20, DMR10, FMPP24, MD23b, Ren13, XFL22, Yan21a, YW24, ZQZ23]. **Soft** [GAOB20, KJL12]. **Software** [Enr06, FN95, NT92, SG96, BDF89, HK93, MLK06, MP96]. **soil** [MCM12]. **solenoidal** [MM07]. **solid** [GMM09, MP05]. **solidification** [CMP06]. **solids** [MR06]. **solitary** [AD01a, CGP15, DLM02, EZ03]. **soliton** [GT19a, Ma24]. **solute** [DA18b, DFC09, FLL11, WPAZ24]. **Solution** [AJK20, AO91, BBD08, Bre06, Che96, CC20b, Fre04, GM85, Jac87, KM95, KS91, LH21, MK14, Mik97, MŠ99b, Njå88, PGM86, Rum87, SH09, SBS+20, SM85, AD21, AACP20, AM09, AHT17, AGJ12, AA20, AHB20, AB09b, ADM10, Ara99, AS00, AAD14, AD18a, BHJ05, BF92a, BOEP00, BFS17, BBCR22, Bea04, BRTB19, BB15, BHSW20, BNV06, BF92b, BLM17a, BGH08, BKP14, BDFV95, Bor02, BHR05, BMP05, BBBN21, BHJ13, BTDV10, BVB10, BVRB14, BGIW18, BMM97b, BMM97a, BSP04, BCDP17, BP95, CLT97, CDP17, CG92, Cas96, CW98, CJ18, CH01, CH04, CF08, dCCSR03, CNS00, Con89, Con20, CFM+24, CST97, Coy12, CG14, CRSF19, CMP23, DD21, DS21b, DB97, DS17, DN21,

DA18a, DMH18, Der92, Dia95, DS97a, DL13, DB08, DBBH14, DMPSC16, DZMB21]. **solution** [ECB07, ESE20, FL93, FL05, FJ97, FL09, FL15, FvdMS20, FH08, FV01, FV99, GS19, GMG19, GeO24, GLM09, Güm20, GN86, Guo96, HGP11, HZBM05, Har09, HS86, Hey20b, Hig93b, Hin95, HvdHV10, HW97, HJ06, Hor99, HDS20, HBJ09, HST14, Isk89, JL91, JRW06, Jac96, Jéz99, JCSR03, JNPC03, JMPY10, KL21, KHLV22, Kel85, KG90, KNP16, KW95, KKW00, Kop86, KP19, Kur98, LO23, Lau17b, Lau17a, Le 12, Lee23, Lev91a, LHWF08, LZH19, LLT07, LO03, LW92a, LCLW17, LT93, LP00, LD02, LYA+19, MPTT17, MS03, MD19b, MO17, MS19, MK21, ML16, MKN23, Mar99a, MVVA09b, MMRV20, Mat05, MR01, Mie89, MSS21, MD10, MD96, MRFF17, NK11, Naj20, NS12, NT92, NLZB23, OMP98, Obe15, PR89, PM91, PTV20, Per99, Pet00, PP92]. **solution** [Pow94, Pul86, Rab94, RC18, RV22, RMM12, RTH23, RN22, Ric08, Ril92, RBT15, SW95a, SST04, SS08a, SA90, SKAW12, SR88a, SGS20, SDG20, Sim91, SK91, SMA01, Sub04, SWR11, TBRBM20, Tho85, TK05, Tsy98, Usm97, Vab22, Van92, VBD93, VCN20, VNC21, VN21, WB92a, Won08, WL24, Wu09, XL09a, YPD21, ZG21, ZYH23, ZML+12, ZJ19c, ZAB15, Zou10, dH95, dDF+94, dPT96, dlHV13, vdHVW01, vSW90, vSK97, vvdV97]. **solution-flux** [KL21]. **Solutions** [FF06, FFMZ13, Nap16, AGZD22, AKM+22, Ale11, AMV17, ASS21, AAM03, AB24, Arc06, BSGU94, Bac17a, BP06a, BM05, BM01, BSV09, Bog20, Bok03, BDKM92, DSM22, Boz11, BCK22, BPTT15, Cah92, CHPV09, CZY08, CHS19, CWHF19, CLX21, CCST22, CLP15, Chi93, Cho13, CPR93, DvHM19, DDS89, EK96, ESEKZ10, Enr06, EHV24, FW08, FHM+02, FJS99, Fuh01, FL01b, GANT02, GJR03, GNAS+20, HJ05, HdSRI17, Hor02, Hu99, HT00, Hua19, IV16, JR00, JRS20, JR02, KX91, KJL12, KME20, KO92, KS04, KK86, KP15, Lan95, LLHC17, LWCH19, LZJ21, LSL11, LS07a, LS24a, LJ20b, LRE04, Lyn92, Ma03, Ma24, MDRR11, MD20a, MN23, ML16, Mat86, MPMD21, NAF24, Olv92, PB21, Pat98, PK21, PVM22, PM14, PWX24, RNG22, RY13, Ril92, RTT01, SC11, Saz22]. **solutions** [SNOK21, SvdHN86, STS00, Tem15, ÜSHT03, VO00b, WTB24, Wan01, Wan07b, Wan09, WHW21, WY22, Wu03, WMC09, XF06, YK04a, YLY19, YLW20a, Yos00, Zak19, Zak20, ZL18b, ZLHW19, ZLCH20, ZPT92, ZLG15, dVA02]. **Solvability** [HJX+19, Sch98]. **solvable** [LMY18]. **solve** [ABZ21, AMCM08, AM10b, Chn17, DG10, Hua98, IB24, Sch95a, SG09, SL08, TH23, Yüz22, Zha96]. **solved** [Bic16, BCC16, Bic21, BDN+97, De 93b, FHK05]. **solvents** [Per03]. **solver** [AA20, AJW23, BRSD91, Beh97, BT02, BV94, BM18, BJM01, Cai09, CCD+20, GBDB97, HY02, IT07, KDK17, LCJQ12, LYOI99, Pau92, PM03, RG05, RZ15, Sch16a, SH02, SS21, Ter22, TS06, VG04, Wal00b, WSC21]. **solvers** [CH15, ÇY22, CDG19, Eij95, Fac03, FPS15, HKZ08, HZD21, IKM23, KPR06, KCB02, LWD+09, LAZ20, LTT19, MZN21, MP05, MR92, Nak05, Pea16, SST04, SA00, Sim98, WP99, YG95]. **Solving** [AKM+21, AS13, AD18b, BKM19, BNH01, BGG+20, Ben02, BW96a, BCT16, CSS87, DS07b, DS03, EW08, HS19a, HY01, IM98, JL21, Koz94, LWZ22, LW92b, LW18b, MDA24, Pis22, RS22, SRK21, SAA20, ST01, Sha05, SY07, SSA+22, YL13, Yu99, Yu08, Zhe19, ebKMZ24, AA05, AD20a, AD20c, AS21, ABH22, AZA22, AGLRS23, AAL21, AK09, AÁ21, All24, AT93, AC08, AMV03, APJ09, AD19b, AEN22, BW23b, BLW07, BLS+17, BES18, BBBK22, BMGGG12, BGGG13, BM04b, Bog12, Bog16, BRBB18, BS93, BM09, BCSH16, BC89b, Bur93b, Cao98b, CNA23, CL07, CHH15, CXZ17, CDW19, CZ19, CYYH21, CW22, CGPT19,

CMCGTR02, Cul95, DT15, DA16, DSA20, DS20, DS21d, DGE22, DHWL22, DSAB20, DSS20, DS15, DCY20, DZW24, DP21, EAS12, EHM01, ER18, EG88, ELLE02, EMMK01]. **solving** [EVO04, EE20, EH09, FK23, Fdi96, Fer96, FG09, FV87, FFQ09, GD21, GKA17, GNX19, GFPG18, GD23b, HS21a, HHAA22, HA21, HVY91, HAA21, HW22, HR96, Hua20, HT20, Hus20, IMC22, IVA93, IR22, JL17, JCJP21, Kan89, KOR18, KSHB21, KSMMM16, KS07, KSSS16, KFOF02, KPR12b, KS09b, KW20, KAS17, Kür23, Lee94, LYF17, LLV18, LCS19, LCW20, LT01, LYK17, LLZ19, LW20b, LL21, LLZ+22, LP97, Lot19, LL02, LDH+24, MCS16, Mar08, MP98, Meh08, MOU14, Mit24b, MFAD23, MD20c, MAD23, MKJ23, Mon21, MN08, MK19, NLS18, NLS20, NH24, ORT24, PM05, PR90, PV93, Phi91, PPC00, PT95, Pou00, PB10, PRS23, PG02, QM10, RR21, RZ00, ROB17, RE19, RZ18, Rha99, RS08b, Rou20a, RT95, SSW20, SSS+23, SHL19, Sal89, Sch09, SEGV02]. **solving** [Set24, SOB20, SD11, SD13b, SWW17, SD22a, SD22b, SJ18, SVB17, ST20, SS16, SS13a, SC22, TQY24, TLGC22, TLG20, TOD11, TGV22, Tsa91, Tsa92, Tsy96, WZL13, WZ16, WW19, jWS20, WG23b, XC85, YXN21, YZG23, YR92, YXB95, YTZZ18, YRV21b, ZH20, ZNK02, ZD20, ZG20, ZD21, ZWFX22, ZHL22, ZFS24, ZZW97, ZLX19, ZSJ04, ZLS20, ZSQ21, Zla85a, ZB19b, dOF20, Ise02]. **Some** [AR23, BN99, BSFDM02, BV96, BG14, BC89c, BW96b, Car09b, CH90, Cve02, DN24, Fdi97b, Goo90, Gu01, HOEC86, HT19, HWY20, JN02, LLY11, LZW20, Mac86, MM14, NY13, Nov08, QNA23, RMH20, SMTHE22b, SMTHE22a, SLZ10, The17, TM05, Vul92, WKN20, WSS97, AB09b, AGKK94, AFLG+12, Aze22, BY22, Ban97, BFQ22, BNKR20, BR01, Bre85, BDRZ04, BT93b, Cai15, CH87, DS07c, EHM01, GH91, GM95, HJS97, HS98, Hor93, JMDN+22, JP08a, JJ15, JM05, JT09, JV09, Kau93, KPR06, KAS17, Kza92, MK21, MRF00, Mar03, MAD23, ORT24, PSP05, PSW02, PT95, Rha99, Saz22, Sid14, WB90, Won08, Woź10, dSFDG20]. **Sommerfeld** [IV16]. **SOR** [DO95, DO98, DSS20, PPS10]. **SOR-like** [DSS20]. **Sound** [Bir87, KJL12, LT05, NU15]. **sound-soft** [KJL12]. **Source** [AX19, ASZ15, BM12b, BFH09, CCD+20, Cho13, HP14, HM15, HM17, HILK13, JRS20, JCL18, KHM+14, KRBK16, LWD+09, LDP+14, LN24, OAHN22, PK23, RC18, RSR23, Saz24, SJ18, SZQH23, SS17, TS23, TDMT21, WZW13, WW14, YLY19, YD22]. **source-type** [CCD+20]. **sources** [CL20, FOMC05, KV07, RTT01, SK10, YK04b]. **Space** [BC01, BJTZ20, DGRS09, KL23a, SLW17, SvdVvD06, vBvdZdB08, AD20c, AD21, AS20a, AJT19, AKBF19, ALZ+21, AM10a, AL22, ABM17, BS00a, BLM17a, BZ17a, BK21b, Bou02, BFLR23, BRZ17, BR97, BMWH20, BD11, CS94, CK22, CDW13, CLTA18, CWY20, CG21, CT21, DC21, Dah02, DA18a, Din19, DCY20, DMA22, ELCWS98, EK97, EL94, FMS18, FD16, FWHM20, FM95, Fra04b, FWW+21, FSWZ19, Gar03, Gea93, GNAS+20, GAOB20, HZ20, HZD21, HMD21, HQAZ24, HZAT21, HS21b, HST14, HL89, IV16, JRS20, Jéz99, JWZ21, JHGZ20, KK20a, KZ13, KP19, LSV22, LL98, Lee23, LS10, LCS19, LQS21, LS21, LYK17, LCLW17, LZCF21, LYZW22, LXCM21, MZN21, MD22, Man97, MT06, Mit24b, MD96, MPMD21, NTHC21, PKP19, QXQ22, QNA23, SAA20, SS99, SHA12, SK22, SW07, SC20, SSKS21, SW12, Str98a]. **space** [SWCH15, TDMT21, ÜSHT03, UHUL21, VL19, WZW13, WMLB19, Wan21, WSS97, WYY20, WG23b, XWW19, XZL19, XLZ20, XWZ21, XF22, XWX21, YJZ18, YLFT20, YQCZ22, Yu99, YDWW17, YWSL20, YLW21, ZM19, ZD20, ZLW22, ZW19a, ZZX20, ZLG24, ZZ20, ZLWF21,

vdVS08, ASZ15]. **space-dependent** [CT21, WZW13]. **space-dimensional** [ELCWS98]. **space-dimensions** [BD11]. **space-filling** [LS10]. **space-fractional** [AD20c, AKBF19, BK21b, CWY20, CG21, HMD21, JRS20, JHGZ20, KK20a, LZCF21, LXCM21, MT06, WMLB19, XF22, XWX21, YLFT20, ZLWF21]. **space-like** [Man97]. **Space-time** [KL23a, SLW17, ALZ+21, CK22, FWW+21, LSV22, Mit24b, MPMD21, WG23b, YLW21, ZLG24, ASZ15]. **space/multi** [DA18a]. **space/multi-time** [DA18a]. **Space/time** [vBvdZdB08]. **spacecraft** [CRTU15]. **spaced** [CHS17]. **spaces** [Abr93, AHAS21, All24, AMCM09, AM16a, CCOVF22, Che12b, CP03b, DE16, DP21, GIS23, GP00, GH21, GGG16, JL94, LRS23, Li16, MD23b, PGA93, VA21, Xu23, ZBD24]. **spaces-based** [GIS23]. **spacetime** [ALP+96, ZH21]. **spacewise** [HP14, HM15, HM17]. **spacewise-dependent** [HM15]. **Sparse** [BG02b, CS09, Che12b, JMPY10, Xu23, Zha00, AB07, Ara99, BW23b, BT99, CCY22, DNW18, HVY91, Jia00, KM21, LP05, LKV01, LGH11, Mag91, Mar08, Muo23, PTW19, PV93, SW95a, ST09b, Vas17, WZ02, YR92]. **sparse-grid** [LKV01]. **sparse-sparse** [ST09b]. **sparsity** [Huc99]. **Spatial** [FPPS00, SUP+12, AKS21, BCJ97, Boy91a, CCZ22, DEPS15, ECHF+20, HZBM05, HPH20, HJ03, JR18, JEG10, JM94, LGS21, LE94, Rog19, SZQH23, ZHL22]. **spatial-temporal** [ECHF+20]. **spatial-time** [AKS21]. **spatially** [EV96, LSGK15, WKM04]. **spatio** [Won08]. **spatio-temporally** [Won08]. **SPD** [ST09b]. **SPDE** [KZ13]. **SPDEs** [LT19, MT20, ZWK15]. **Special** [ADG+16, BGHR12, BGH+15, CHM09, CD95, DLN+24, DGCW17, FFMZ13, HKNV16, KP07, SSV97, BBRS97, CJLS98, GR02, JQYM23, LPZ00, LST07, LW17, RT95, SG05, Tsy96, WB90, YC13]. **species** [CCK03, HH22, HJZ23]. **specifications** [Deh05]. **Speckle** [CDI+24]. **speckled** [TSB10]. **Spectra** [BLL24, DSW96, LCVG01]. **Spectral** [AMC02, AQ00, BN12, Bla00, Bou16, BTDV10, BCK22, Cai24, DY17, DvHM19, DA17, EJRR23, FD16, Fun94, GD09, GKKM21, Gia12, Gu19, Gu20, yGyZ07, Hes00, HKP89, JZK06, Kar89, KS22, Luo18, SJ11, SM89, Tru00, YLS+09, ZZ19a, ZCGS21, AZHD23, AY21, AAL21, AAD+08, AyLqW18, AA22, An16, ASZ18, ALZ+21, BK06, BM89, BMS89, BSQ96, BBD08, BP95, CA21, CGMS21, CDP19, CG92, CjW18, CG89, CSXL14, CZHX19, CLX21, CG21, CNT07, CR19, CSX23, CSCM96, DSA20, DM09b, DL22b, DSAB20, DB08, ER18, EK95, FID18a, FID18b, FWL18, FMPP24, FPPS00, GANT02, GT00, GGM07, GM17, GH07, HGP11, HZ21, HZ20, HQAZ24, HS17, HCGW22, HY24b, Ito17, Ito22, JZS20, JLZ20, KL23a, KSHB21, KHA12, KWLK00, Kop86, Kop89, Kür23, Kwa09, Lay09, LWL18, LZ18, LMQZ18]. **spectral** [LLJY20, Li22, LCH20, LT01, LLZ19, LR00, LJ20a, LBCN00, MZZ17, MAHZ21, MS86, MD00, MCS16, MMRV20, MM02b, MM07, Min04, MSS21, MD23a, MH16b, Mun00, MKS12, NH24, OL18, OGS20, Pan21, Pas91, PP24, PM91, Pav00, PD01, PK91, PP00, Pło22, QM20, RTW21, RX08, SD11, SW07, tSqWyG16, SA00, SJ18, SVB17, gTpM07, TW00, Tse00, TC19, VO00a, VS91, jWqW09, jW15, WMLB19, WDH20, WT20, jWS20, WZZ21, WCL22, Wan23, WC14, WK00, WG23b, YMD21, YB10, YJZ18, YT21, YLL21, YWW23, YXX24, YF24, YZH24, Yu08, hYqW12, YWSL20, YLW21, YW24, Yua20, ZDM18, Zak20, ZH21, ZAED21, ZLW20a, ZLW22, ZL11b, ZZX20, ZEW20, ZZJ21, dFN00]. **spectral-collocation** [HY24b].

spectral-element [CSXL14]. **Spectral-Galerkin** [Cai24, ASZ18, DB08, Kwa09, YWW23]. **spectral/** [KWLK00]. **spectral/hp** [SA00]. **Spectral/Rosenbrock** [AMC02]. **Spectrally** [Sid23]. **spectrum** [FZM20, GCP91, KQ13a, KQ13b, LMS08, TCCW89, XC85]. **speed** [FdSB02, MS91, SM13, TSFB01]. **Speeding** [NLLG20]. **SPH** [FPRA09]. **sphere** [CNT07, CRSF19, TOCV02, TLSS09, WZL13, ZL11a]. **spheres** [MD20c]. **Spherical** [Har00, AX20, Bar12, GH07, LMS09, Mir20, Pet00, RA17, STS00]. **spherically** [YXN21]. **spheroidal** [BDSG09, FRRJT10, Sch23]. **spheroidal-shaped** [BDSG09]. **spherulites** [HPW21]. **spin** [AB17, Bec02]. **spin-Heisenberg** [Bec02]. **spinning** [CS04]. **Spline** [PTV16, ABJ12, ADSS17, ABY22, BS14a, BY22, BES18, Bas21, BGS06, Beh93, BH12a, DLPV17, DMPSC16, DCL23, DT89, EHM01, FMS24, GS99a, GG19, IO18, Jam95, Joh05, KO08, KOS20, LMS09, LFB00, LZW17, LZCF21, MB10, MST07, MST09, NLZB23, PRS23, QWX20, RL86, RK08, RTA19, Rou20a, SST12, SRK22, SE93, SST09, SST15, TLG20, VR01, WE99, YC00]. **spline-based** [DT89, Jam95]. **Splines** [Sto96, AJK20, Bar12, BBCR22, Bic16, BCC16, Bic21, CGMS21, DS17, DF92, FGPR12, GV18, GS09, KP01, KP03a, KPR12a, PR09, PLB22, Rab94, Ram12, SA90, SYG$^+$05, Spe12, Ver93, WT93, WW05, RMS17]. **Split** [CHZ14, RKVZ15, WL09a, WMLB19, WG22, AHAS21, ABR23, BG11b, CS01, DFLM19, Hor98, IHS13, KK20a, KM16, MP11, RTH23, Roo20, YXT17, ZYX20, LCM24]. **split-Hamiltonian** [CS01]. **split-operator** [IHS13]. **Split-step** [CHZ14, RKVZ15, WL09a, WMLB19, WG22, DFLM19, KK20a, MP11, YXT17, ZYX20, LCM24]. **Splitting** [BCT19, CMP20, GPHA16, LL02, MV18, SK96, Vab21, ZHL22, AZA22, AMT13, An20, ABF09, BC05, BCF$^+$13, BCET22, BC04b, Bi20, BFH09, Bou02, BC23, BSTT22, CS19, CSXL14, CG21, CJ23, CT21, DS21d, ELCWS98, FLS94, GK09, GV02, Gla94, GGRN17, HPH20, HV22, HT19, HD23, HLL09, HV95, Hun02, JK17, KS00, KM21, KL23b, Kie15, Kni94, Kni95, KNT13, KW10, LHH96, LLV18, LS23, LFS21, LYLL23, Lte24, LXCM21, Lub04, MH16a, MZZ17, MG97, Mit24a, Ost02, OS12, Poh93, RA03, SK16, SB14, SD22b, SCT05, WT20, WS22, WaZ24, WG18, XZL19, YJJ$^+$24, YP18a, YP18b, ZZ18, ZWH$^+$17, ZSG$^+$20, ZZX19b, ZZLL21]. **splitting-like** [DS21d]. **Splitting-methods** [GPHA16]. **splittings** [BWY03, BM09]. **sponge** [Pet00]. **spread** [AJT19]. **Spurious** [Mul99, VT91, Wai98, CM06, ZLHW19]. **SQP** [BdFPSdSC08, HP15, SXP09]. **Square** [KK22b, Abu04, AL24, AD01b, BB94, BM04b, BS12, CHM22, CKL03, JLZ20, KK20b, Li11, Li16, MDD14, PL20, SD13a, SHLY19, TZA13, Waa88, WM07, WC11, Zup03, dB03, dVA02]. **square-based** [BM04b]. **Square-root** [KK22b, CHM22, KK20b, Waa88]. **Squares** [CF86, AN15, AD19b, BLS$^+$17, Ben02, CCL22, CP07, CZ04, CCLT10, CC20b, yDqGnJT09, DZW24, HP85, Han87, HS17, Hua19, KN19, KS02, KLY05, KS09a, KR10, LG21, LV12, LSY17, LW18a, LJYS20, LCZ21, LLW22, MOS12, MS08a, MSS21, MD23a, MD20c, MD21, MD23b, MH16b, Mon09, Mou03, NZY21, PS02, PS03, PR22, Ren13, SLJ86, SWCH15, WM22, XZT21, YK04a, Yua93, ZG20, ZSJ04]. **squares-based** [LG21]. **squares-total** [LLW22]. **squaring** [CH04, SW09b]. **squaring-down** [CH04]. **SSC** [ABCC18]. **SSOR** [BD85, SH21a, Zha21a]. **SSOR-like** [SH21a, Zha21a]. **SSP** [GK19]. **ST** [SY03]. **stabilisation** [RÁM23]. **Stability** [Arn93, BF92a, BT97a, BLM17a, Bor02, BSvdV99, BT93b, BJ01, BJ06, CGGGS11,

Car23, CP05a, CCZ22, DLQZ23, DMA22, FSWZ19, FL01b, GM85, GM95, Gol00, Gul15, Guo01, HMT03a, HMT03b, Jac93, KKR15, LT12, LL15, LRC19, LR20a, LSL11, LS21, LLD18, LLM19, Mac86, MB08, MS90, MV17, NTHC21, OZ96, Ost02, OTK04, PGA93, RGÖS18, SSV89, Sch93, SG00, Ske89b, SHG86, SN04, TH18, WHL19, Zha19b, ZLW20a, ZZO16, Zió99, iW07, iV09, iM13, vdHVW01, AH11, AJ19, AHJ+23, Abu04, AHA23, AMCM09, AL24, ABF09, BG11a, BC89a, BS21, BP12a, BGT97, Ben17, Ber15, BM12b, BN03, BS08, BS12, Bur85, But09, CCG13, Cha96, CZ12, Dav98, DDZK05, DvHM19, DR09a, DA17, DSW96, EE20, FP02, FS08, FG09, FHV97, GD09, Gje07, Gu01, GGG16]. **stability** [GLMY17, GT18, HM00, HS95, Hin95, Hor93, HA16, HDS20, Hua09, HV89, Hun02, Ise97, IJ21, JJ94, KMG09, KS89, KW93, LZQ22, LMPS19, LZ13, LZL14, LW20b, LL20b, LLZ+22, LT93, LS05, LRE04, MS91, MHA19, MG97, MZ04, MM07, MAF20, MSA20, MAH22, NMSF94, NBNTGV11, NB01, NFAE03, Ort20, Pot97, PYD21, QR03, RGMO19, Sam94, SA21, Sch12, Sch98, SAH24, Sid10, SW13, Sou09, Spi93, Spi97, TZ21, Tan01, TZA13, Van00, Vul95, WZL08, WC11, WW19, WWL21, ZZL01, ZL23, ZFX17, ZYX20, ZZ19b, ZP97, ZP98, ZL24, dPT96, in 92, in 96, iW09, MFAD23]. **Stabilization** [ABFV09, De 88, AMR14, Arn98, BPS19, ÇK13, GG22, HJR22, KL09, LFQH21, RG05, Tia15, Tob14, XF06]. **Stabilized** [AMT13, AKL08, BL08, GNX19, LW95, MF23, PAP17, SC19, SA12a, SED21, AD19a, AD20b, AS13, ABR05, ACP23, BC01, BH12b, CK20, CCZ22, Cod08, GM10, GHH20, HL08, HFL12, JZXJ21, Kam16, KTD20, LLHC18, PSWZ21, Pic05, QMLC15, QM19, RSK24, Sch93, SGS00, WZ19, WaZW21, WaZW23, ZLSZ22, ZS21a, ZS21b]. **stabilizer** [ATW20a, ATW20b]. **stabilizing** [Hun02]. **Stable** [CGA93, DDHS97, GÖ20, KAS22, Ria22, SGS00, SGN06, WK00, ACP24, AJ24a, AGK24, Aso21, Ben96, Bok03, BMWH20, CCD+20, Cao07, CDD+17, CGRT18, CXZ15, CRSF19, DIJ12, DGE22, DSK12, DCY20, DLM02, DK14, Elg17, ELLE02, FL04, GLML20, GHK16, GAW09, GKS20, GPHA06, GPHAM12, GGT24, HH10a, HWZ22, IRC12, IJ17b, JY23, JJL+24, KLSW06, LCK22, LK14, LMY18, LWW22, LQXK23, Lin10, LC21, MW93, PHY19, QH22, Qi24, Ran20, ST89, SK16, SL21, Ske89a, Sv95, SB19, SCvdH92, SS09, TOD11, VDVV98, VK17, VZ93, Wan20, WWZJ22, WLY24, XXYZ24, YZH19a, Yan23, YXX24, ZCY20, ZFS24, ZZW97]. **Stage** [HR06, AFIS24, BJ11, But93, CPP02, CCS17a, Chi93, FJ17, GPMR95, JM17, LW19b, LW22, Lua17, NBNTGV11, Tor06, Ver96a, Ver06, Wen98, WBCK02]. **stage-order** [Ver06]. **stages** [CMRdlT24, Kie95]. **Staggered** [GLV06, Pou00, ASCM02, BD22, CS08, FD16, ID19, JTB15, LR20a, ZLL22]. **stagnation** [Meu14]. **standard** [Bra00, DTGN23, FM11, KDAK13, MDRR11, MZS10, RGMO19, Vul95, WT17]. **standing** [LC19]. **star** [MM20a, Pel20, SW24]. **star-shaped** [Pel20, SW24]. **stars** [IN89]. **started** [TOCV02]. **starter** [vB95]. **Starting** [CIJ17, Lab98, Lab99, Sha87, GPMPR03, NH15, Ver06]. **state** [ABRW18, BSZ15, Cah92, CM02, CZHX19, CML05, Chi93, CY05, CST97, Dah02, EK97, FNT06, HHT97, HK09, ITZ17, KK86, KK20b, lLNW21, LRE04, MZN21, NT92, PKP19, PS21, RY13, VVR08, WCM23, ZSQ21]. **state-dependent** [ABRW18, Cah92, CST97, HHT97, NT92, RY13, WCM23]. **states** [Bec02, LLM19, SAG86]. **static** [AM10b, Cop03, CA16, DT89, GLV06, HB20, RR14, TV91, YTZZ18]. **static-regridding** [TV91]. **Stationary**

[AAM03, Kin94, AR15, BM18, Buc17, Cai24, CC04a, CW22, DNW18, DN08, EH06, HL08, HFL12, KBK21, LY10, LJ20a, Maj17a, QH19, QAMX17, QM19, SH10, SFZ21, TMM15, Vab21, WTB24, YLX21, YÇ16, YHT23]. **Statistical** [GPíP03, Ber85]. **Steady** [CM02, RV05a, BHJ13, Chi93, CY05, DS97a, FLH22, GM10, HS86, HT00, ITZ17, Jes85, KK86, lLNW21, LRE04, SAG86, ZS21b, ZSQ21]. **steady-state** [ITZ17, lLNW21, ZSQ21]. **steel** [IPL02, PLI03]. **steep** [SB18]. **Stefan** [LL98, Ros93]. **Stein** [BJ11]. **Steiner** [PSP04b]. **Steklov** [AP08, BLY16, LB23, XYHM20, YLL09]. **stellar** [Vas17]. **stencil** [Tow16]. **stenoses** [LT00]. **stenotic** [TYKK01a, TYKK01b]. **Step** [De 88, Jac87, AHJ+23, AM99, AGM95, AFS02, APJ10, AN22, BW23b, BJ05, Ben17, Bho12, Bok03, Buc06, BJ01, BJ03, BJ06, BT97d, BC00a, CLMSS98, CMRV11, CMRdlT24, CHZ14, CCP17, CP05a, CHK99, CJLS98, Con01, CX08, CDP12, DIJ12, DP12, DFLM19, Ein18, EK97, FH20, FH22, FJL21, GH91, GLPW09, GPPR12, GT18, Hai97, HOS99, HS09a, Hoa15, HLR01, Hor05, HP15, IHS13, IS22, KP18, KM19, KK20a, Kie95, KW20, KDKW20, Leo10a, LW17, LWW23, lLX22, MP11, MSGM23, MG22, MJS23, PSW02, PWS05, PWS06, PJB04, PAJ12, PMP23, QAMX17, RKVZ15, SMEN04, SM93, SWJ09, Sha85b, SAH24, ST20, Söd06, SS09, TLG20, TYJ11, Ver06, Wai98, WL09a, WMLB19, WZ22, WWM22, WSP04, WG22, XZZL15, YXT17, ZQY18, ZYQS23, ZYX20, ZX09, ZP12, Zuu95, van93]. **step** [vdSvdH95, AD04, LCM24]. **step-by-step** [van93]. **step-parallel** [vdSvdH95]. **step-size** [AFS02, HLR01, KP18, MJS23, PAJ12, WWM22]. **Stephan** [CHM09]. **stepping** [Aca12, AKBF19, BBRBS09, BSvdV99, HLT07, HJ03, KR15, LHC09, LYK17, LFS15, QCW+23, Qiu23, SUP+12, SZ22a, uIVS13, WTY21, WWF20, XY19, YPD21, YLLZ21]. **steps** [CHLA21, LLT07, SI20, Yu99]. **Stepsize** [FS05, BG02a, BC98, BC00a, Con01, GC15, JVZ95, JAH21, KW20, LMG02, MBS23, MP94, MDP23, SH97, Spi13, WKP12, Zla85b]. **stepsize-coefficients** [Spi13]. **stepsizes** [CGA96]. **stepwise** [LLT20a]. **Stewart** [SMC08]. **Stiefel** [HWY20, Wan23]. **Stieltjes** [DMGVO05, Gil10, Not92]. **Stiff** [Kie15, AH15, ABH22, ACP24, Ale03, Aro96, BJ02, BF92b, Bos09, BDM03, BC89b, BC95, BS00b, BR05, BP06b, CL85, Cas96, CS24, FG09, GPMPR03, GPHAM12, GPHAPPR23, HCX03, HS09b, Jac02, Jac96, KC19a, KW20, MP94, NS20, PSW02, RKVZ15, Sal89, SSV89, Sch93, SM93, SWE05, Sim98, TB01, VS95, WL09a, WAV12, WSP97, ZX09, in 95]. **stiffly** [HHR12]. **stiffness** [Sha85a]. **stimulate** [Var92]. **Stirling** [SG04]. **Stochastic** [AHO16, AH17, Bis11, ÇY22, FV85, FS23b, LT19, MA04, ZJ19b, AA04, AA05, AZA22, ABZ21, AB17, Abu04, ACLM22, Ant23, AL24, Bac18, BTBR20, BF17, Bok03, BC23, Buc06, BS12, BB96, BB98, CHM22, CGH23, CGEV19, CHZ14, CDP19, CCZZ18, CGW20, CC23b, CF13b, CL18, CD20a, CN11, DS21a, DMS23, DR09b, DK11, DFLM19, DZMB21, Fan11, GHHG22, Har10, HXW15, Hou23, HJ21, HLY22, JK21, KGR08, KK11, Kha21, KS08, Kom07, KK17, KK20b, KKR15, LZQ22, Lav94, LSK12, LLY21, LWaZ24, LLD18, LMTW20, LMW23, LCZ23, LSW23, MDD14, MH04, MSS21, Moe98, MJS23, MEGW23, PKP19, Pot97, PM14, PWX24, RP17, RT20, RKVZ15, SHL19, Sca22, SKO19, SB19, TN16, TLG20, TB01, TZA13, WL09a, WG10, WC11, WCW14, WGW15, WYY20, XZ19, YXT17, YXZL24, YBW20]. **stochastic** [Zha20a, Zha20b, ZYX20, ZJ19c, ZAB15]. **Stochastically** [Bok03]. **Stoke**

[KTD20, MH16b]. **Stokes** [KM16, Kni95, LH23, LL24, TLP18a, WaZW21, DZ12a, AD20b, AH09, ASS21, AR18, ACP23, BC12, BM13, BLRGVR23, BB15, BG11b, BCGS24, BSZ22, BC01, BDFF23, BS97b, BP90, BP95, CCOVF22, CHLA21, CKPS15, Cau08, CGRT18, CHOR19, CMP03, Che96, CH07, CSXL14, CHH15, CXZ17, CLY19, Chi21, CKK10, CL18, CD13, CGS20, DY17, DJ10, DS97a, DN08, Dob05, DYZ20, DJL04, EJS11, FD16, FRRJT10, FLH22, FMP04, GMZ08, GM10, GG22, GNX19, GGG16, Guo00, GH07, Guo15, HJR22, HLZ14, HHC08, HL08, HS17, HW15, HL19, HK85, HFL12, ITZ17, Joh01, Kal96, KS00, KL23a, KCL00, KS02, Kni94, KDK17, KN93, Kwe00, Kwe01, Kwe03, LLL08, LA11, LLHC18, LRC19, LH20, LLY21, LFQH21, LS23, LYZJ23, LH23, LD21, LS12, LHX20, LN21, LR00, LO96, LJ20a, MM22, Med96]. **Stokes** [MWYZ18, NX22, Nor97, OK98, Pas91, Pea16, PK91, Pic05, Pou00, QR03, QH19, QCW$^+$23, QMLC15, QAMX17, QM19, RZS21, RSK24, RV04, RV05a, RK91, SSZ16, SGS00, SZ22a, SH10, She96, SA00, Shy86, SW20b, ST86, TLP18b, TH18, TLV92, Ton04, TC19, UNGD08, VG04, VO00a, WY02, WWM22, WT17, Wu09, XZ22, XLZ23, YS09, Yan22, YZ24, YZ21, YÇ16, Zha14, ZZHS18, ZL23, ZZ24, ZS21a, ZS21b, Zho18, ZKO$^+$21, ZS18]. **Stokes-like** [WT17]. **Stokes-Temperature** [ACP23]. **Stokes'/Darcy** [DZ12a, LFQH21, QH19]. **Stokes/Forchheimer** [CD13]. **Stokes/Navier** [LH23]. **Stokes/parabolic** [SW20b]. **Stopping** [FLMR14, LPT16, Spi95]. **storage** [KCL00, KS08]. **Störmer** [CGA96, LZ22, vdHMdS99]. **straight** [TT03]. **strain** [CHX13, HHR12, XLKY19]. **Strang** [KW10, Zan01, ZR15]. **Strang-type** [Zan01]. **strange** [CGPT19]. **Strategies** [Bie87, BM04c, BO11, GC15, PT19, WSC09]. **strategy** [AS97, BT97b, BD11, Bür13, CZ90, DF11, DEPS15, DB97, FS15, GGLR09, HR97, HMW05, lLXhLZ21, MCE$^+$09, MP94, PK91, Sch09, SK91, VO00b]. **Stratified** [TC03, LTC03, TOCV02]. **stratigraphy** [BVT14]. **Stratonovich** [CDR20, ZAB15]. **Streakline** [Din93]. **stream** [BP95, LJ20a]. **streamfunction** [KN93]. **streamfunction-vorticity** [KN93]. **streamline** [AN22, Bec18, DLZ21, Gas92, KN93, Par04, YZ19]. **streamline-diffusion** [AN22, Bec18, YZ19]. **strengthened** [AK95]. **stress** [GP00, GS18, KS02, MAG13, NS16]. **stretched** [KKE16]. **stretching** [VT91]. **strict** [NB01, NFAE03]. **STRIDE** [But92]. **string** [Ahn07, LR03, RL06]. **strings** [RLHC19]. **strip** [DDZK05, jW15, ZR15]. **strips** [DP85]. **stroboscopic** [CCMSS11, CSSZ20]. **stroke** [van98]. **Strong** [BZ92, FS08, Hua09, LCZ23, MAF20, MT20, MEGW23, NBNTGV11, PM14, RY13, Sus10, TWL23, YXT17, YBW20, ZYX20, ABY22, BB96, Chn17, CN11, DMGVPO09, Gje07, KMG09, KS07, LW22, MSA20, MAH22, Njå88, NTT22, SA21, WY22, WMC09, YLY19, ZM17, Zha21a]. **Strong-order** [YBW20]. **Strong-stability-preserving** [NBNTGV11]. **strongly** [BBCS05, BBRS97, BCS06, GPHAM12, HCS20, JNPC03, KCB02, LG21, Rou20a, SC22, Wan11, XLZ20, YW19]. **Structural** [BBS11, GEGG$^+$20, BS12, FL05, Leo10a, LS05, MD19a, NBP94]. **structurally** [BASC17]. **Structure** [FCW20, KGR08, Shy91a, Shy91b, Udd20, WH18, ABK12, AS20b, AB14, ABM17, Aso21, AC96, BSP04, DL21a, FCW21, GÖS20, GS18, Gus87, HGZW21, Hou23, JQSC22, Jun97, Kok08, LLM19, LZW20, MB20, MR01, PA05, RP01, RDH$^+$12, SW06, WDZS21, WJW19, ZY19, vBvdZdB08]. **structure-interaction** [vBvdZdB08]. **Structure-preserving**

[FCW20, WH18, AB14, FCW21, HGZW21, Hou23, JQSC22, MB20]. **Structured** [Buc99, MD23a, Ram94, AM95a, ALM04, Aya09, BLD17, BL15, BMR17b, DP12, DMPP99, DGD03, FH08, Hua19, Ram96, Rus95, Tol04, YC00, ZHJ14]. **Structures** [SR88b, BL91, CAD03, DT89, Fai00, FLÖ+97, HKZ08, IPL02, Mar09, PLI03, Vic92]. **studies** [LBCN00, Ran16, RW87, Str98b]. **Study** [HKS86, KK23, MFAD23, PCA10, RV04, RV05a, SR88b, AZHD23, Aff94, BH12a, BT99, BdFPSdSC08, BFdS10, Buc04, CL02a, CGN03, CaAL96, DD21, Den15, DDK19, Fai00, GKL07, HD04, HHL23, HDS20, JUAZ22, LDP+14, MP15, MPG+16, NMSF94, PSP05, PPS05, PYD21, RMCG04, SWFK13, SWW17, SC03, SAMSB20a, SAMSB20b, vR04]. **Sturm** [AGM09, Con99, Ghe97, Pru00, VVD95]. **Sub** [RMM12, ASA20, CQZ20, GG19, ID19, KDH20, RZ18, Roz05, WR20]. **sub-cell** [ID19]. **sub-diffusion** [ASA20, CQZ20, GG19, KDH20, RZ18, WR20]. **sub-domains** [Roz05]. **Sub-Scales** [RMM12]. **subcell** [CSCM96]. **subcritical** [Gla93]. **subdiffusion** [HLY22, KHB22, Pło23, WYY20, ZL17]. **subdiffusive** [ABD16]. **subdivision** [Boy06, CC04a, CDRT19, Con04, CM04, CCS17b, LY10, ZZZ23]. **subdivisions** [Wal00a, Wal00b]. **subdomain** [CHLA21, FV99]. **subdomains** [DCN+19, de 95a]. **subgradient** [DP21]. **subgrid** [AK21, CK20, DK20, JR18]. **subject** [Ang06, Deh05, MVVA09a, MVVA09b]. **subjected** [MCBV20]. **submatrices** [DL01]. **submatrix** [YD07]. **subproblem** [FW22]. **subscales** [Cod08]. **subsequences** [Lin10]. **subsidence** [SR88a]. **subsonic** [Kor95]. **subspace** [ABR23, AB10b, Bai02, BBLT15, EAV16, EEJB22, Gul15, Jia00, LWZ22, PKSB10, Pet92, PR12, RSY12, RU21, Sim10, SSX14, SS12, Wal95, WZ16, Wei95, ZGL98, ZFC20]. **subspaces** [GSR00]. **substructuring** [GN86, MDT05, O'L87]. **subtraction** [PA18]. **successive** [Che16, CWP21, DW00, KP03b, TT20]. **Successively** [SM85]. **sudden** [HH10b]. **Sufficient** [Lin01, CH90, LLL12, Meu14]. **Suitable** [Has09, PGS10]. **Sum** [Boy91b, HJP10]. **Sum-accelerated** [Boy91b]. **Summation** [Wen10b, ZJ10, BW15, CL88, HNP17, LG87, Lon86, Lon88, Meh22, RGÖS18, Str98b, Woź10]. **summation-by-parts** [RGÖS18]. **sums** [VC10]. **Sumudu** [AAL21]. **sup** [Che16]. **super** [ASA20, GHW20, LMW23, LSW23, ZW24]. **super-diffusion** [ASA20]. **super-linear** [LMW23, LSW23]. **super-linearly** [GHW20, ZW24]. **Supercloseness** [ZL18a, ZL22, FPR12]. **supercomputers** [Fuj99]. **superconducting** [GT15]. **Superconsistent** [Fun04, FFY08]. **Superconvergence** [Bac17b, Bac17c, Bra00, CZ04, FLR08, Fra14, HL19, LHWF08, LWW20, LSG24, Ris05, SY18, SJ20, Tem15, WY02, Wan20, XZ22, Yan21a, AC15, BSGU94, Bac19, BTBR19, Bac21b, Li01a, LY01, LH02, LRC19, LSWM19, LSP20, SW20a, SZ22b, WSY18, XP23, Yan22, ZY14, ZSS23]. **Superconvergent** [LW21b, SST15, SW18, ZLY23, ZX22, LR01, MCS06, SL20]. **Supercritical** [Gar87, Gla93]. **superlinear** [GT19b]. **Superlinearly** [CDW13]. **superoptimal** [NR14]. **superposition** [FMGN94]. **supersaturated** [SA08]. **supersonic** [CRTU15, EH91, Nor99]. **SUPG** [Usm97, ZB19b]. **SUPG-FEM** [Usm97]. **support** [MCBV20, SSW04, CM02]. **supported** [Ehr08]. **Supraconvergence** [Fer96, FPR12, Fer93, FG98]. **Supraconvergent** [Bar09]. **surface**

[Ari03, BBD20, CWM09, CAAT16, DEPS15, Dav98, DL13, DMQ02, FPRA09, Fat10, Gar05, Hin97, JP17, LY10, LR87, LYOI99, LWCT07, LG02, Maj20, MAD23, NT20, RZ15, Sch16a, XLK07, YC00, HP91]. **surfaces** [BFGP08, CS04, CW22, CGGM17, FGPR12, FR14, GT15, HGR01, HM22, KN19, LY01, NT16, NT20, PR09, Ren14, TMM15, XXYZ24]. **surfactant** [DLQZ23]. **surgery** [MDHK06]. **Surprising** [Asc12]. **Survey** [Sid10, AAI+93, Bre96, But85, BC89c, FSU89, HJ05, Kau97, MN20, Mun00, Tho85]. **suspensions** [BBCS05, BCS06]. **SVD** [BS09, KK22b, Lyo12, MB20, MMBB07]. **SVD-based** [Lyo12]. **SVDs** [PS02]. **Swartz** [LVW21]. **Swift** [DGE22, QH22, Qi24, XXYZ24]. **swimming** [CST18]. **swing** [CGEV19]. **switching** [BAD13, DFLM19, GK22, MHL18, RY13, Vul92]. **Sylvester** [BLW07, DMH18, FG13, Hey10, JP19, RS08b, SMTHE22b, SMTHE22a, WS21]. **Symbol** [BDFF23, CGMS21]. **Symbol-based** [CGMS21]. **Symbolic** [CBHY11, CCS02]. **symbols** [CLS04]. **Symmetric** [ADSS17, LRS09, SvdHN86, SZ99, WGKS12, AW14, AX19, AC08, AES13, BM12a, BC99, Bec02, Beg00, CM13, Cao01, Cao07, ÇD17, CZ04, CLLM21, DMGVPO09, DII15, JZS20, JP17, JP93, Kim19, Kru99, KCB02, KW10, LMV17, LDIW16, LX08, Li19, LWZ22, Liu02, Lu98b, Luc05, Mar08, Mat05, MPMD21, PV93, RdAP96, San03, Sel14, SYW22, SD22b, Sim04, SW24, THW19, WZ16, YXN21, YD07, Zan91, ZWFX22, ZFX17]. **symmetrization** [CG13, GC15]. **Symmetrized** [BH93, HL02b]. **Symmetry** [Olv92, VL08, INR01, LY24, MDRR11, Mat08, Zan01]. **Symmetry-preserving** [VL08, MDRR11]. **Symplectic** [HOS99, HHW18, Li19, Ske99, XW19, ZCSH11a, ZCSH11b, Ant23, ABD16, BF99, BCF+13, BCET22, BIJ23, CH95b, CL01a, CM00, DM11b, Eir95, Hai97, HL99, HLMKZ06, KCY19, LX08, Mur99a, Rei99, SS94a, SZ97, WW19, WE99, ZJ19b]. **symplecticity** [IMMS20]. **Symposium** [CFTW08]. **Synthetic** [Abr93]. **System** [TMS87, AAL21, Aff94, AEK23, AA22, AA87, AMP20, AGK24, BS14a, BS00a, BO04, BLRGVR23, BGG+20, BSV09, BMV19, BS24, CFLW22, CC20a, CYYH21, CKK10, CH04, DL20, DLM20, DN08, DTQ+20, DZMB21, Eij95, EK97, Fac03, FCX06, FvdMS17, FGP23, FL23, GLS09, GLML20, GBDB97, GGRBRG22, GAOB20, GJLL20, HP85, HH22, HCS20, HS17, HAA21, HY24a, HX11, Ise94, IT16, IB24, JJL+24, KME20, KN08, KLY05, KK09a, KCB02, Kwe03, Lee10, LMA18, LC19, LL19, LH20, LX21, LAZ20, Liu09, LARGVR23, LB21, LMWZ07, MD20a, MMKN17, MLK06, MO17, MMDH19, MMD20, MMDS21, MT11, Mic03, MKJ23, MdD04, Mur19, NAF24, Nag22, Oji88, PK23, PS09, PVM22, RC18, SSS+23, SAA20, zSW06, TZ00, TK15, VNC21, VMS07, Wan01, Wan09, WS21, WaZW21, WWZJ22, WCJ23, Wu03, WPT19]. **system** [XWZ21, YT03, ZdBT03, ZZJ21, ZKO+21, MZ87]. **Systems** [GM85, ND85, Pet87, AC98, AZHD23, ACKV24, AJ19, Aca12, AW14, Ale03, ADFR18, AH17, AB07, Ant23, ADM10, Ara99, Arn95, Arn98, AES13, AGKK94, AEF+14, BM12a, Bai02, BY09, BW23b, BT97a, BHB23, BL05, BCG21, BK06, BMM03, BBRBS09, BGGG13, BM06a, BR94, Bog16, Bog20, BTDV10, BR20, BH93, BS93, BRBM08, BBKS07, BGIW18, BCSH16, BS12, BDM03, BWEP95, BDP96, BB98, BCDP17, CFCH09, CH95a, CL01a, Cao98b, Cao01, CG92, CM97, CHPV09, CZY08, CDW19, CLLM21, CS24, CBD16, CFC03, CJ23, CJ24, Con89, DT15, DRVA20, DB97, Dav92, De 06, DB95, DV95b, DL13, DDK19, DKK94, EJS04, FM21, FTB97,

FH08, FZM20, FM95, Fra06, Fuh01, GFB99, GEGG+20, GP93, GQ89, Gas92, GKMS09, GKS20, GGM07, Gol00, GBBC+23]. **systems** [GO18, GPHA06, GPHAM12, Guo96, HL99, HHAA22, HdSRI17, HVY91, Heu00, Hey20a, Hig93b, HNP17, HHW18, Hua00, Jac93, Jac02, Jac96, Jay95, JCN94, KL98, Kał22, KTK20, KPRU20, Kau95, KM21, KG90, Kim14, KW95, Kop86, KFOF02, KPR12b, KKP17, KW10, KK17, LW93, LT12, Lee23, LZ13, LLV18, LW19b, lLNW21, LW92b, LFS21, Liu24, LP00, LL02, Luc05, MMP09, MD20b, MP96, Man97, Mar08, MF99, MP98, MCD20, Mär02, MVG14, MM16, MPtM16, MP94, Moo95b, MD96, Mur98, Mur99b, NNJ23, NS21b, NMKE13, NT92, NRZR12, OFY+23, OG08, OKS10, Ost93, Pan07, PK21, Pea16, PA05, PSW02, PT95, Pul12, RZ00, Ram96, RKVZ15, Rum87, SMJ12, Sal89, SH09, SMEN04, SS99, Sch95a, Sch02, Sch87, SEGV02, SWL20, SWB21, SD22b, SD24a, Sid90]. **systems** [Sim93, Sim98, Sim10, SS13a, Sof17, SW03, SSX14, Tar98, TDC13, Tro93, Tsa91, Tsa92, TMM15, Udd20, VG04, mWyG00, WL09b, WL09a, WWX13, WSP04, WP99, WSW96, Wen98, WB92a, WB92b, Win92, Won08, WWS07, XWW19, YG95, YH18, Yan21b, YR92, Zak20, ZAED21, Zen21, ZZL01, ZNK02, Zha21a, ZWFX22, Zha01, dH95, dG91, in 96, vdES04, vB95, Mur99a]. **Szego** [BGVHN10, DGV00].

T [AR93]. **T-fraction** [AR93]. **table** [BH96]. **Tadmor** [ASC03]. **Tadmor-type** [ASC03]. **tailored** [SSA24, YW19]. **tails** [ZCGS21]. **Taking** [SK10]. **Tamed** [GHW20, LSW23]. **tangent** [LMS08, YLL21]. **tangential** [WPL16]. **tank** [Buc04]. **tapered** [FT06]. **target** [Lo06]. **TASE** [GPHAPPR23]. **TASE-RK** [GPHAPPR23]. **tau** [AGZD22, DSW96, KO92, QM20, SWW17, YJZ18, MMRV20, Mok17, SOB20, SP22]. **tau-** [DSW96]. **Tau-like** [SOB20]. **taxis** [GV02]. **Taylor** [CM06, Dar00, DK11, Güm20, Hig93b, KOR18, MD00, RB12, RO16, Sch98, SH91, TB01, TZA13, YRV21b]. **Tchebycheff** [HJP10]. **Tchebychev** [DM97]. **tearing** [Pec09]. **technique** [AD20b, AD20a, AKBF19, AT13, AGQ+24, AF04, AD19b, BP90, BT93a, CH22, CNA23, CPOGO17, CM04, DA17, DA18a, DSAB20, DT89, ECHF+20, EH08, FHM+02, Fdi97a, Gen10, GG19, GJlL23, GAOB20, HHAA22, HAN23, HMN20, HJP10, HEG16, IR22, LKV01, LWW22, LL23, LN24, LCLW17, LYC24, LR00, LCM22, LJ20b, MS86, MWC21, MD20c, NP21, NSD23, PA18, RMK09, RT95, San03, SR09, SM20, SLZ10, TCCW89, Tsy96, Wan07b, WZ16, XC85, YWH20, YW24, ZY14, ZZPJ23, ZJLA22]. **techniques** [Bai02, BLW02, BRVC09, BLM17b, BWEP95, CDD+17, CH87, CPZ17, DD97, Deh05, DF96, DS02, EW08, Ewi91, FH08, Gar03, GM93, GSR00, GFPG18, GN86, HST14, IM98, KG90, KS10, LD21, LM22b, LCM24, MRF00, MM14, MVVA09a, Mun00, Now96, PSP04a, PCR17, RDH+12, SS13a, TC19, WSP97, YH07, Zha00, de 96]. **technology** [Zar99]. **telegraph** [ebKMZ24]. **telegraphic** [MG22]. **Tempe** [FJ97]. **temperature** [BN03, PGYF20, ACP23]. **temperatures** [CF14]. **tempered** [BO21, ÇD17, Din19, LR20b, RV22, SWB20, SSPZ20, YDWW17, Zak19]. **templates** [Jor11]. **Temporal** [Cha17, GAW09, LA21, ZYQS23, ECHF+20, LH23, LLT07]. **temporally** [Won08]. **tension** [NMSF94, RZ15]. **Tensor** [AL20, EEJB22, RU21, BNKR20, BS05, CZ19, DHM09, DZW24, EHNR24, Han19, JL21, JL23b, RS22, SMTHE22b, SMTHE22a]. **tensor-driven** [DHM09]. **tensor-product** [BS05]. **Tensorial** [BBBK22, ABJ12]. **tensors** [BKR13, EJRR23, SYW22, XY24]. **term** [AF23, BFH09, BDDV12, BRS16,

Buc17, CHM22, CH95a, Cao98b, CNA23, CdCV03, CD20a, DMS23, DW15, DBDV10, ESEKZ10, FL24, HZD21, HZCZ23, HZAT21, IKR+22, JRS20, KTYY24, LLZ19, LZW20, LSWW22, LLW20, MBS23, Mar09, OAHN22, QWX20, RC18, RSR23, RG05, SA18, SZW19, TDMT21, Wan23, WW24, YLY19, YQCZ22, YFLX20, YLLZ21]. **term-by-term** [RG05]. **term-structures** [Mar09]. **Terminal** [SWB21, NTHC21, SWB20]. **terms** [BJ02, BSQ96, BM12b, CY98, GT19a, GH21, IKM23, MFAD23, NYPW21, WXY24, YWSL20, Zen93, iW07, iW09, iM13]. **ternary** [KK09a]. **terrain** [TC03]. **test** [GM87, JP08a]. **Testing** [CGCMTR02, JP08a, GGO12, GGO16, PSW02]. **TetraFreeQ** [SV24]. **tetrahedra** [DFZ16, PPS05, SV24]. **Tetrahedra-free** [SV24]. **Tetrahedral** [BS97a, AW03, ASC03, BS96a, MCE+09, PT19, YZ22, Zha09]. **tetranichidae** [CL02a]. **texture** [PKP19]. **TGF** [MDD18]. **TGF-** [MDD18]. **TGM** [SL22]. **th** [AL09, AB15, BP02, EST15, KK23, SA90]. **th-order** [SA90]. **their** [AGM95, CHH15, CM06, DL20, EH07a, GS21, GSW09, HLL09, IMMS20, KCS07, Lem02, Ma24, MD19b, MP97, NLZB23, PWS06, ROB17, RZ04, Sae14, SSW04, TLQ21, Uty08, WSP04, WWLS08, Xu13, ZLHW19]. **theorem** [AHGM21, BW21, Cao98a, Sza94, Wu03]. **theorems** [Boy15, Dor01, JT09]. **Theoretical** [BFdS10, JQYM23, LARGVR23, MMDH19, Zha20b, BT98, BC89b, GGMP88, San89, VBVA22, Wei95, BLRGVR23, BLL24, KPR06, RLMG24]. **theories** [Alb96]. **Theory** [CHM09, DGCW17, Gar87, Sam94, XB14, AK00, AVMVMV09, ÁKM20, BWY03, BF99, CA16, CV88, DLN+24, Gan96, HJ06, KO96, KK02, Li05, MDT05, MR94, Men23, Mot17, Ost02, PdV99, San89, SG06, Sus10, TM15, WM22, BNH01, HL23, MdR05]. **Thermal** [DDS89, GD09, HLIS16, HK09]. **Thermally** [RBC02, DLM20, LD22, ZFS24]. **thermo** [BGM+09, YR22]. **thermo-electromagneto-hydrodynamic** [BGM+09]. **thermo-poro-elastic** [YR22]. **thermochronologycal** [RMCG04]. **thermodynamically** [GHK16]. **thermoelastic** [AC18, BCFQ19, Cop03, CF05]. **thermophysical** [MCM12]. **thermoviscoelastic** [CA16, YJ23]. **thermoviscoelasticity** [CF14, CA15]. **theta** [BF92b, DMS23, HS09b, WG10, WG22, YXT17, ZYX20]. **theta-method** [HS09b]. **thick** [CL02b]. **Thiele** [CJV88]. **thin** [AJW23, BH12a, BCMV03, CDJT06, DDZK05, yDqGnJT09, KHA12, Par14, SL21, SSW04, YTZZ18]. **Think** [Ise02]. **Third** [HMdV03, Sal03, YDWW17, Bac21a, Bos09, DS21b, EJRR23, Fer09, KHYY21, Lev91a, LPR00b, PNA21, RTU15, SSC23, SDG20, WG23a, YC13, BGHR12]. **third-kind** [DS21b, SDG20]. **third-order** [Bac21a, EJRR23, KHYY21, Lev91a, PNA21, SSC23, WG23a, YC13]. **Thomas** [Bra00, Kim21, ZB19a]. **Three** [AW03, LM00, MOZ87, MMP02a, Nak05, Per88, SR88b, TMS87, AF23, ASCM02, BC12, Bak89, BS94b, BIO24, BWS21, BRS16, Cao98b, CH01, DTGN23, DW15, Gar03, GGLR09, GPMR95, HD23, HZCZ23, HFL12, KHLV22, KZ13, LXZS22, LZW20, LSWW22, LMWZ07, LYA+19, MZN21, MH16b, MD96, PXHZ20, PGYF20, QXQ22, Ran20, Sch91, SR09, SZE+92, SvdHK94, SK96, Ste97, SK01, Ter22, Wan23, XLZ23, YQCZ22, YFLX20, ZLCH20, ZFX17, ZW19a, ZLWF21, vSK97]. **three-coarsening** [GGLR09]. **Three-Dimensional** [Per88, SR88b, TMS87, AW03, LM00, ASCM02, Bak89, BS94b, CH01, LMWZ07, QXQ22, Sch91, SZE+92, SvdHK94, SK96, Ter22, YQCZ22, vSK97]. **Three-level** [Nak05, LXZS22, PXHZ20]. **three-node**

[DTGN23]. **three-operator** [HD23]. **three-point** [KHLV22, Ste97]. **three-stage** [GPMR95]. **three-temperature** [PGYF20]. **three-term** [AF23, Cao98b, DW15, HZCZ23, LZW20, LSWW22, Wan23, YFLX20]. **threshold** [Hor05]. **Tikhonov** [AR23, BNKR20, Buc17, Fik23, JY20, Neu88, PP24, RSY12, YXN21]. **Time** [BY00, BP12b, CM14, FG96, INR01, MR20, MMP20, MZ87, Söd06, SvdHK94, ST86, WJM22, WK02, XGQ20, Zuu95, AD21, ALMM98, AGZD22, AACP20, Aca12, ACP24, AGLRS23, AS20a, ASA20, ADG+24, AMK18, AMCM08, AB09a, AKBF19, AB09b, AL17, An20, ALZ+21, ASZ15, AL22, AGQ+24, AF89, ARS97, AKS21, AEF+14, ÁMS17, BL21, BHJ05, BP14, BKM13, BCS17, BBRBS09, Ben17, BDF89, BK21a, BZ17a, BK21b, BC01, BtTBV87, BP97, BVV09, BSvdV99, Bot97, BDE22, BK12, BR97, BJTZ20, BJ01, BJ03, BJ06, BCDP17, CGP15, CHLA21, CS94, CP05b, CK22, CDW13, CLX21, CCST22, dCCSR03, DS21a, DC21, DD97, Dav98, DDZK05, DA18a, DS21d, DL22b, Dia95, DHL00, Din19, DGRS09, DLQZ23, DY03, DMA22, EH88, EL94, FK23, FMS18, FD16, FS19, FWHM20, FXY22, FM95, FJ09]. **time** [Fra04b, FWW+21, FL01b, GS19, GHK16, GX93, GLPW09, GKS20, GÖS20, Gje07, GTS20, GeO24, GPPR12, GPHA16, GL17, GWLN22, GT18, Hab08, Hai97, HHAA22, Har98, HMN20, HILK13, HLT07, HZ20, HZD21, HQAZ24, HAA21, HLR01, HL21, HR96, HS19b, HAY20, HZAT21, HAC22, HJ03, HST14, HLIS16, Hus20, ITZ17, IKM23, Jac93, Jéz99, JZXJ21, JWZ21, JL17, JL23a, JCSR03, KPRU20, KBS11, KL23a, KK20a, KAS22, KHB22, KDH20, KNT13, KZ13, Kre07, KK17, KK20b, KP19, KZ21, KR15, LHC09, LKV01, Lay09, LSV22, Lei02, Leo10a, LWD+09, LT07, LR18a, LR18b, LCS19, LSP20, LCHW20, LWW23, LYK17, LCLW17, LCL18, LLZ19, LHX20, LMTW20, LL21, LS24a, Log04, LFS15, Lua17, LO95, LO96, lLX22, LLW20, MZZ17, MM18, MD22, MN23, MG97, MS08b, MM20a, MVG14, MPV24, Mit24b]. **time** [MMM19, MD20c, MDA24, MN08, MRFF17, MC21, MPMD21, NTHC21, NC16, NWL+22, Nor97, OZHP23, PNA21, Pea16, PVM22, PJB04, PAJ12, PS19, PMP23, PM14, Pul05, QWX20, QH19, QCW+23, Qiu23, RMCG04, RZ00, RE19, RZ18, RL21, Ria22, RV09, Rou20b, Rya00, RTT01, SMJ12, SDK24, SSV97, Sar05, Saz22, SA12a, SUP+12, SLW17, SZ22a, SW07, SY18, SWL20, SC20, SJ18, SA20, uIVS13, SS17, SS08b, SA18, Su94, SvdVvD06, SW17, SZW19, SAMSB20a, TER03, gTpM07, TGB08, TDMT21, Toc01, Top21, ÜSHT03, UHUL21, WZW13, WSY18, WR20, WDU21, WTY21, WS21, WWL21, WCS21, WCM21, WZ22, WXY24, WW14, WYY20, WWF20, WG23b, WdG92, XZW19, XY19, XL23, YPD21, YS09, YJZ18, YXN21, Yan22, YCWH23, YLLZ21, Yu99, YWSL20, YLW21, Zan01, ZL17, Zha19b, ZJ19a, ZYLL20, ZFC20, ZFW20, ZLW22]. **time** [ZJH+23, ZFS24, ZW19a, ZLG24, ZYS17, ZZ20, ZSZZ20, ZXW17, ZL24, tV87, vBvdZdB08, vdVS08, NBNTGV11]. **time-accurate** [ACP24]. **Time-averaging** [BP12b]. **time-changed** [AACP20, LMTW20]. **time-delay** [GeO24, SMJ12]. **Time-Dependent** [FG96, AL17, AL22, AF89, ARS97, ÁMS17, BL21, BHJ05, BP14, BDF89, BK21b, BtTBV87, CP05b, dCCSR03, Dia95, DY03, DMA22, GS19, GLPW09, GÖS20, HILK13, HLIS16, KK20a, LKV01, Lay09, LHX20, Lua17, MG97, MD20c, NC16, Nor97, Pea16, PAJ12, RZ00, Rya00, SS17, SvdVvD06, SZW19, TER03, WdG92, XZW19, XL23, YS09, Yan22, ZLW22, tV87, vdVS08]. **time-differencing** [AEF+14]. **Time-discretization** [MR20, NBNTGV11]. **time-discretizations** [BVV09]. **time-domain** [DHL00]. **time-efficient**

[AGQ+24]. **time-fractional** [AGZD22, AMK18, ALZ+21, FK23, GWLN22, HS19b, HAY20, HAC22, Hus20, JWZ21, KAS22, KHB22, KDH20, KZ21, LR18a, LR18b, LLW20, MN23, MM20a, RL21, Rou20b, SY18, SJ18, SS17, SZW19, WZW13, WR20, WCS21, WCM21, WW14, YXN21, YLLZ21, ZL17, ZJH+23]. **time-harmonic** [FJ09, Har98, MM18, RV09, WSY18]. **time-implicit** [FL01b]. **Time-integration** [WK02]. **time-irregular** [PM14]. **time-like** [IKM23]. **Time-local** [MMP20]. **time-marching** [DD97]. **time-periodic** [MN08, WDU21]. **time-point** [Jac93]. **time-primitive** [AGLRS23]. **time-reversible** [HLR01]. **time-scale** [Lei02]. **time-space** [AD21, AS20a, Din19, FWHM20, HZD21, HZAT21, MD22, NTHC21, TDMT21, UHUL21, YJZ18]. **time-splitting** [An20]. **Time-step** [Söd06, Zuu95]. **time-step-size** [GPPR12]. **time-stepping** [Aca12, HLT07, KR15, QCW+23, Qiu23, SUP+12, WTY21, WWF20, YPD21, YLLZ21]. **time-symmetry** [Zan01]. **time-varying** [DS21a, KPRU20, MVG14]. **Timestepping** [HW15]. **Timoshenko** [CF13c]. **tissue** [BK09, JK17]. **Tocher** [Bar12]. **Toda** [BT19]. **Toeplitz** [lLNW21, Sae14, WWLS08]. **Toeplitz-type** [WWLS08]. **tomography** [AES13, GOGF03, RSD+06, San03, SS16, YLW20a]. **toolbox** [EMMK01]. **tools** [Ber85, MLK06]. **topics** [Wen10a]. **Topographical** [HdSRI17]. **topography** [Ant13, DL21b, DH12b]. **Topological** [AH09, Tan87]. **topology** [ZWL11]. **tori** [DB95, ERS00, HL99, Tru00]. **toroidal** [Maj20]. **Toronto** [CFTW08, HEJ96]. **Torrey** [DA18a]. **torsion** [RLMG24]. **Total** [DH12b, Ano87a, FS05, GM87, JL86, JL87, LV12, LPR00a, LJYS20, LCZ21, LLW22, MMDS21, ZZX19a]. **total-variation-boundedness** [FS05]. **Totally** [GP17, GP93]. **TPFA** [AFIS24]. **TR** [HS96]. **TR-BDF2** [HS96]. **trace** [CDG19]. **Tracing** [Att97]. **Tracking** [CFXZ06, Dav92, Gro94, LD21, MSS+15, PH15, RLSS06, SW86, WB92b]. **trade** [For11]. **traditional** [BDE22]. **Traffic** [MZ87, SG16]. **train** [RS22]. **trains** [AL20]. **trajectories** [IK24]. **transaction** [AD99, FV01]. **transcendental** [Boy07]. **transcendents** [AY15]. **transcription** [BCT16, ECB07]. **transfer** [AKBF19, CGJ16, GS20, Jéz99, Kan04, MCM12, Osw97, Sin24, Vas17, jW15, ZJLA22]. **transform** [DO17b, GFPG18, HS21b, LFP04, MPSS16, MO01, RU21, SK22, Tah96, TZ00, XFG19, vI87, ST14b]. **transformation** [BW15, BHHS10, BW03, DLPV17, HS24, HL23, LT01, Naj20, NZY21, RN22, SS10, Win04]. **Transformations** [Bak86, AEA23, Ben98, Ber85, BZ94b, BZ96, Bre02b, BRZ17, Car19, Dra91, Fdi97a, Lem02, Mat91, Sim94b, WM07, XGM08, ZB19a]. **Transformed** [MSA20]. **Transforming** [ZPT92]. **transforms** [AQ20, BH96, DO17a, FV87, KW21, Moo95c, PLB22, VA05]. **transient** [AGLRS23, DZ12a, DCN+19, Fai00, GRGJ02, HHC08, HH10b, LKJ20, lLXhLZ21, Que21, RSK24, SWW11, WSC09]. **transistor** [Mol95]. **transition** [BL91, Her91, RR00, RZ15]. **transitions** [MR06, Sch16a]. **Transmission** [ABdSG23, An16, CHNN20, DL22a, DS07c, GMS12, HX11, HL97, LRS09, Men23, Pel20]. **Transonic** [CF86, Gar92]. **Transparent** [HL03, Ehr08, Lie01, SDK15, Sof17, ZR15]. **transport** [ABJ12, AR15, BDES12, BM04a, BCCHM21, CNT07, CG16, DD19, DA18b, DFC09, FdSB02, FLL11, GKKM21, GWLN22, KCC04, KDAK16, LC02, OEAS21, PdV99, PS00, SK97, SXL22, SvdHK94, SK96, SW05, TDC13, Tou10, VBH96, YH07, vSK97].

transport-chemistry [VBH96]. **transpose** [SD24a]. **transputer** [DVV93]. **transversal** [BDNV19]. **transverse** [HMdV03]. **trapezoidal** [BT97c, CP03b, DN24, RS08a]. **traveling** [EV96, FF20, LMPS19]. **travelling** [DvHM19]. **Treatment** [AL87, Fat12, AM10a, AAEMY21, BDMG12, BR94, EH06, Fat10, KK20c, Now96, PT09, PGC01, SDK24, SB03, SKBAS08, SSR23, Tou10, WZ02, de 93a, vdHSW98]. **treatments** [CGA93]. **tree** [AS20b, KBK21, Kom07, Pow94]. **tree-based** [Pow94]. **Treffetz** [Li08]. **Trefftz** [HMP14, MP20]. **Trends** [DGCW17, Bak89]. **Tresca** [Por17]. **tri** [SXP09]. **tri-dimensional** [SXP09]. **Triangle** [BDFK95, CGG02, CD05, Ren14]. **triangle-mesh** [Ren14]. **triangles** [PSP04b]. **Triangular** [KCB02, BP97, Bra00, Cao07, Cao10, CL06, CST18, DDNZ18, DDGN23, DTGN23, GGLR09, JTB15, JP08b, KFOF02, Kru99, LMQZ18, LE94, MRF00, PRGO16, RGL16, Sim04, SN04, Tsa91, Tsa92, YZ21, YZ22, ZWN23, ZSQ20]. **triangularly** [vdHS01]. **triangulation** [LS93]. **triangulations** [Bar12, BFGP08, Dal13, DR93]. **tridiagonal** [GS08, Jac93, LVfP14, Mat05, Nak12, dG91]. **triggered** [FGP23]. **trigonometric** [AC23, Han06, LZ18, Pat98, SMJ24]. **Trigonometrically** [CSLY19, YW08, FW08, Li19]. **Trigonometrically-fitted** [YW08, Li19]. **triple** [BH20, CMR94, HB20]. **triplets** [GS17, KBG04]. **trivial** [CM02]. **Trondheim** [KNO96]. **TRSVD** [BHL+21]. **Truncated** [LMTW20, Sch89, Sof17, CCY22, CM06, DRS19, GHHG22, GLMY17, GLM18, HZCZ23, PS02, SMTHE22a, TM24, TD09]. **truncation** [Bor10, NV23, Udd20]. **truncation-error** [NV23]. **trusses** [AMH03]. **Trust** [MMP09, AMV03, BMM03, CSM07, FW22, lLXhLZ21, Ou11, Ren14, SP99, ZH15]. **Trust-region** [MMP09, BMM03, FW22, lLXhLZ21]. **trust-region-approach** [AMV03]. **Tsan** [VN21]. **tsunami** [KHM+14]. **tsunamis** [FKA+13]. **Tsuzuki** [LO23]. **Tsynkov** [Tsy96]. **Tubelike** [MMP02b]. **tubes** [DII15, LDIW16, LT00, TYKK01a, TYKK01b]. **tumor** [DLS22, MPSS16, MDD18, NK24a]. **tumour** [LBLT13, RA17]. **tuning** [RTV02]. **tupleware** [Dou91]. **Turán** [MSP10]. **Turán-type** [MSP10]. **turbine** [ARSW05]. **turbocharged** [SM08]. **Turbulence** [BC93, LCVG01, DS97a, Dun18, SLJ86, VV95]. **turbulent** [GKKM21, Kar89]. **Turek** [GKMS09]. **turning** [Bec18, GD23a]. **TV** [LS24c]. **Two** [AY21, AL95, BHB23, BES18, BCC16, Bic21, CL10, CWHF19, CWZ23, CPOGO17, CDP12, DP12, DCC14, Eva94, GS15b, GVP93, HCY18, HJYL19, HL24, HFL12, KM19, Lam13, Lan95, Leo10a, LA11, LCHW20, LL20b, LS93, MOZ87, QAMX17, RV22, SSW20, SMW21, SM85, TOD11, TS08, WZW13, WH19b, WHW21, XLZ20, YW19, ZS21b, AS11, AD20c, AZHD23, AHJ+23, AJT19, AAM03, AMR12, ASCM02, AN22, Bac18, Bac19, BHJJ06, Bar09, BJ05, BMR+17a, BvG19, BO04, BRTB19, BBRBS09, BRVC09, BC05, Bi20, BBLT15, BWY17, BO11, Boz11, BT97d, CA21, CGEV19, CMRV11, CMRdlT24, CCP17, Cas96, CW98, CR23a, CMP03, CDW13, CLTA18, CSLY19, CYWH22, CDW23, CQZ20, Chi93, CAAT16, CL09, CF08, dCCSR03, Con01, CX08, Cop03, CF14, CMCGTR02, CN15, DdSF07, DIJ12, DR09a, DS07a]. **two** [DE06, Deh01, DA18a, DA18b, DL20, DHWL22, DMGVO05, DMGVPO09, Din93, Din19, DN08, DMPSC16, ER07, EFLFP09, FMS18, FH20, FH22, FJL21, FdSB02, FCW20, FXCW21, GX11, GM16, GHK16, GMM09, GLPW09, Gil10, GOGF03, GOP06, GH02, GH21, GGRBRG22, HGM+21, HH22,

HK93, HM09, HS09a, Hoa15, HL19, HL21, HK85, HL02b, HCW16, Hua17, HZAT21, HS21b, HY24b, Hus20, IS22, Jad94, JTB15, JZXJ21, JHGZ20, JZZH22, Joh01, JT06a, JGK11, KMS19, KTK20, KV07, KM17, KME20, Kat89, KSMMM16, KL09, KS01, KZ13, KW20, LCHR03, LT12, LY08, LC19, LCS19, LW21a, LH21, LH23, LAZ20, LSG24, LS21, LS07b, LLZ19, LZCF21, LS24b, Lua17, MZN21, MS19, Man97, MM22, MWC21, Mar05, Med96, MT06, MT05, Moo95c, Mur19, Nag22, NS21a, NY13, OGV92b, OGV92a, Pan21, PR90]. **two** [PSW02, PWS05, PWS06, PRS20, PS19, QM10, QWX20, QNA23, QR03, RP17, RZ15, Sch16a, SWJ09, SLW17, SAH24, SJ20, SC20, SW20a, SZE+92, ST20, Sin23, SY08, SSA24, SS09, Su94, SAMSB20b, TBRBM20, Tem23, TKN11, Tob14, TJ12, TV91, TM05, Ver06, WDZS21, Wan07a, Wan11, WZL13, WQ17, WMLB19, WLM21, WCS21, WCM21, WCJ23, WW24, WSP04, XC85, XL09a, Xiu08, XGQ20, XXF22, XP23, YLFT20, YWH20, YWW23, YCWH23, YY24, Yua93, ZTZ15, Zar17, Zen21, ZOZ09, ZZHS18, ZY19, ZBY19, ZJ19a, ZL22, ZQZ23, ZZW97, ZZX20, ZLG24, ZEW20, ZZJ21, ZLWF21, ZX09, ZCSH11a, ZCSH11b, dlHV13, van98]. **two-** [ASCM02]. **two-and** [SZE+92]. **two-asset** [Bi20]. **two-block** [Yua93]. **two-branched** [BRTB19, TBRBM20]. **two-by-two** [LAZ20, Zen21]. **two-derivative** [CSLY19]. **Two-dimensional** [CPOGO17, DCC14, Lan95, RV22, WHW21, AS11, AD20c, AJT19, AMR12, BBRBS09, BBLT15, CR23a, CDW13, CLTA18, CQZ20, CAAT16, dCCSR03, CMCGTR02, DE06, Deh01, DA18a, DA18b, DHWL22, Din93, Din19, DN08, FdSB02, FCW20, FXCW21, GX11, GM16, GMM09, HK85, HZAT21, HS21b, HY24b, JTB15, JHGZ20, JZZH22, JT06a, JGK11, KTK20, KV07, KME20, LCHR03, LC19, LH21, LS07b, LZCF21, LS93, MS19, MM22, Med96, Moo95c, NY13, Pan21, PR90, QM10, SLW17, SC20, Su94, TBRBM20, Tem23, TJ12, TV91, WZL13, WQ17, WMLB19, WCS21, WCM21, XC85, XGQ20, YWW23, ZJ19a, ZQZ23, ZZX20, ZLG24, ZCSH11a, ZCSH11b, dlHV13]. **two-fluid** [CL09, Mur19]. **Two-grid** [CL10, CWHF19, CWZ23, HCY18, HJYL19, LCHW20, WH19b, AZHD23, CYWH22, CDW23, HL19, LSG24, SJ20, SW20a, XGQ20, XXF22, YWH20, YCWH23, ZTZ15, ZZHS18, ZBY19]. **Two-level** [HFL12, KM19, LA11, ZS21b, BvG19, DdSF07, HL02b, Hua17, Joh01, KL09, LCS19, PRS20, Tob14, ZOZ09]. **two-mode** [ZY19]. **two-order** [LH23]. **two-parameter** [GOP06, KMS19]. **two-phase** [Boz11, ER07, GHK16, GOGF03, KSMMM16, LY08, LS24b, MZN21, NS21a, RZ15, Sch16a, SY08, TKN11]. **Two-Point** [SM85, BCC16, Bic21, GVP93, Bac18, Bac19, CA21, Cas96, CW98, DMGVO05, DMGVPO09, Gil10, GH21, HGM+21, HK93, HM09, Kat89, KS01, OGV92b, OGV92a, Wan07a, Wan11]. **two-points** [CN15]. **two-scale** [BMR+17a, PS19, WDZS21]. **two-sided** [GH02, LS21, MWC21, MT06, YLFT20, ZEW20, ZLWF21]. **two-space** [QNA23]. **two-species** [HH22]. **two-stage** [Chi93, Lua17]. **Two-step** [CDP12, DP12, Leo10a, QAMX17, AHJ+23, AN22, BJ05, BT97d, CMRV11, CMRdlT24, CCP17, Con01, CX08, DIJ12, FH20, FH22, FJL21, GLPW09, HS09a, Hoa15, IS22, KW20, PSW02, PWS05, PWS06, SWJ09, SAH24, SS09, Ver06, WSP04, ZX09]. **two-stroke** [van98]. **two-term** [WW24]. **twofold** [BCGS24]. **Type** [Ma24, AH17, AM95b, AAM03, AB14, Ari87, ASC03, AO91, BN99, BW23a, BFGP08, BFQ22, Bla00, BHJ13, BS93, Bru07, BDM03, BJ96, BC00b, CO09, CCD+20, Car19, Car09b, CMR12, CPD+05, CH07, CM07, Cui04, Cve02, Dar90, DRVA20,

DN24, DMGVO05, DMR10, DN08, Dor01, DLZ21, Ehr08, ER18, EP15, EEE22, EHV19, EHV24, Fac03, FW08, Fdi97b, FCX06, Fun04, Gan09, GD23a, Gol86, GPHA22, GKA17, GS21, yGyZ07, HHR12, Han93, HGR01, HM17, Has09, Has13, Has20, HAML21, Hau88, HO24a, HS19a, Hig96, HZC22, HLC01, HZ12, HCW16, Hua20, IMC22, JL23b, KM17, KOR18, KDH20, Kid90a, Kid90b, KLY05, KS09c, LRS23, Lau17b, LDIW16, Lev91a, LLY11, LW19a, LW20a, LX21, LWLW24, LLL12, LS24a, LDH+24, LYA+19, LJ20b, Mar99b, MP98, MN20, Meh22, MAG13, MSP10]. **type** [NLS20, Ney95, NK24a, NV23, OB20, ÖT20, OG08, OGV92b, Par21, PSR04, PGP03, PH17, PWS05, QR24, QXG21, RG22, RG02, RTT01, SDK24, Sch16a, SR09, She00, SL09, pSLqJcY16, SHLY19, SSR23, Shi20, SVB17, SS16, SA19, SMJ24, SSS21, Tan23, Tom24, TÖR22, Uty08, VV05, VCC12, WZL08, WCXL09, Wan09, WMF17, WZ22, WWLS08, YSBL14, Yan18, YLY19, Yan21a, YC13, YR09, Zan01, ZL21, ZL22, ZYQS23, ZJ19c, ZP98, ZQLK11, ZX14, ZSQ20, vI87, vC93, AR93, Mat91, Sim91]. **types** [SAMSB20b].

U [Bec02]. **U.** [MZ87]. **UE** [NLZB23]. **UE-spline** [NLZB23]. **Uhlenbeck** [ZGO12]. **Ulm** [SLJ11]. **Ulm-like** [SLJ11]. **ultra** [BTBR19, DM12]. **Ultra-Weak** [DM12]. **ultrasound** [MDHK06]. **ultraspherical** [KP92]. **unbounded** [BT97a, BDMGVO05, CSX23, DG22, DY03, EH07b, FMS18, FWL18, Fer09, Gia12, yGyZ07, GD22, HHYD20, HZBM05, HZ09, HY01, HLJ20, LZH19, NN20, Pec09, Tsy98, WL18, WS04, YLW21, ZLW22, ZZL17]. **uncertain** [FV01, ZW09]. **uncertainties** [FS23b]. **Uncertainty** [BF17, BH20, LGH11, PKP19, Tar98]. **Unconditional** [CC20a, Geb24, HO10, LSWM19, LZW19, MPPR22, SL20, SW20a, SZ22b, WCJ23, XXYZ24, XP23, YJ21, ZSS23, ZL23, ZYS17, iW09, LL20b]. **Unconditionally** [DGE22, GWLN22, JY23, Yan23, ZJ19a, BRBM08, BBKS07, CRSF19, GZQS23, GQ08, HWZ22, JJL+24, LK14, LQXK23, LC21, QH22, SL21, Ske89a, WWZJ22, YZH19a, YYZ23, ZYQS23, ZFS24]. **unconfined** [AMRR18]. **unconstrained** [DW15, Fre91, Kim19, KLS13, lLXhLZ21, MK19, Ou11, Rha99, Wan23]. **unconventional** [SS94a]. **uncoupling** [LT12]. **undamped** [ST19]. **under-determined** [SK10]. **under-field** [CL02a]. **underdetermined** [BLS+17, CKB12, PR22]. **underflow** [FT96, FT06]. **underlying** [AO05]. **underpin** [JR18]. **underwater** [XLK07]. **undulatory** [Ran20]. **unfitted** [ZCC11]. **Unified** [GP23, NSCC19, AC16, Bus06, DD21, DTGN23, GFPG18, Har98, HP14, Mou03, SK97, ZAED21]. **Uniform** [FXY22, WZ17, ZL21, AD15, BH12a, BCE04, BB10, Cum95, DL22a, FHM+02, FR14, Fou00, FR01, GD23a, GO19, GO21, JHGZ20, JM05, KMS19, KK20c, LH11, LRC19, LR20a, LC24, Lin01, LVW21, MST09, MOSW00, NLZB23, OS08, RS09, Rou20a, SDK24, SE93, SW21, SYG+05, SA18, SA19, Tro93, VL08, VT93, Vul95, WZ22, YW19, iV09]. **uniformity** [CMS04]. **Uniformly** [ACLM22, BM01, Li23, RG22, RTU15, SKS23, ZLG15, CJ23, DL22b, GH21, HOEC86, ZX14]. **Unifying** [ABM17]. **Unilateral** [SSZ16, Aca12, CH13, Gwi09, HL02a]. **uniquely** [LMY18]. **Uniqueness** [LLVX20, Fuh01, Gar92, HHT97, KP15, LYY15, Zak19]. **unit** [BRS16, CCBGV08, DGV00, DBCBPP10, DIR13, KPRU20, SL01a]. **unit-vector** [KPRU20]. **united** [DMH18]. **unity** [CDD+17]. **univariate** [BH12a]. **univariately** [TD09]. **universal** [QR03].

universe [ZH21]. **Universidad** [BGHR12, BGH+15]. **University** [Ano02g, CFTW08]. **unknown** [HP14, LJ20b, Mar08, SZQH23, TDMT21]. **unknowns** [CT93, Gar96, Gar03, MM02c, Pou00, PB10, SW13, Che96]. **unscented** [KK20b]. **unstable** [DLM02, Gro94, WK00]. **Unstaggered** [Tou10]. **Unsteady** [Duf90, SA00, AA22, CML05, CCZ22, DM09a, Gla94, KM19, KTYY24, LS20, Mar05, MV18, Mur15, PBC08, SSA24, TYKK01a, TH18, UHUL21, VNC21, WPT19, ZFW20, ZFS24]. **unsteady-state** [CML05]. **Unstructured** [FVB05, ASC03, BS94b, BTC23, Dal13, DF11, DSZ15b, FL01a, JTB15, Kni94, Kni95, LYOI99, NFAE03, OK98, PSP04a, Ram94, SGN06, SGN08, TJ12]. **unsymmetric** [Khe91, Nov03, Sch08a]. **update** [BLD17]. **updated** [YK07]. **updated-observations** [YK07]. **updates** [BTMT08, LLT20a, SW09a]. **Updating** [BS10, GS08, lLXhLZ21, TS08, XZZL15, ZH15]. **upon** [AGJM04]. **upstream** [DN08]. **upwind** [BGP11, BCS06, CXNF14, DLZ21, FCX06, Hol01, JT18, LY09, Pir09, RK91, SY08, SR97, VL08, van86b]. **upwind-mixed** [SY08]. **upwind/Petrov** [DLZ21]. **upwinding** [AS06, KN93]. **urban** [CCM17]. **Urysohn** [KR18]. **USA** [FJ97]. **Use** [FJH+01, RS08b, AA04, Att97, BLS94, BZ93, Gil91, JKN94, Man96, SH02, Tou97, YR92]. **used** [BBO03, BP95, MS08a, Sha85b]. **user** [WSS97]. **user-oriented** [WSS97]. **uses** [SA05, TS08]. **Using** [CMS04, MS99a, RSD+06, Sch95a, SG09, ST08, TMS87, Zha96, AKM+21, ABZ21, ABJ12, AyLqW18, AFIS24, Arc06, AJK20, AD18a, AD19b, BKM19, BC02, BOEP00, BM01, BGG+20, BDF89, BW96a, BCJ97, Ber05, BCT16, BGH08, Bla01, BL08, BH12b, BWEP95, CAD03, CDD+17, CCdlH20, CJL13, CKP15, CGCMTR02, Che96, CS01, CKS05, Cod08, CMS06, CJ22, Dah02, DB97, Dea11, Der92, Dia95, DB08, DP85, DL06, EHNR24, EJRR23, Elg17, EW08, ELLE02, EJS11, EC07, FZM20, FPPS00, Fra14, Gab02, GV18, GGLR09, Gat91, GGM95, Ghe97, GKKM21, GeO24, GDS+15, GGG16, yGyZ07, HH98, HS19a, JUAZ22, JM94, Jun97, Jun06, KO92, KK09b, Kni94, Kni95, KTS03, Koz94, KP19, KX03, LS10, Li98, LH09, LH21, LLT07, LS24c, LL02, LB21, MZZ17, MMKN17, MK21, MRF00]. **using** [MCS16, MM16, Mic95, MW24, MPtM16, MDASAO21, MMP20, MD96, Moo04, MRFF17, Mur19, NRWF08, NN20, Naj20, Nap16, NS03, NLS18, PL20, PT09, Pel15, PP00, Pic05, PRS23, PCRR17, QW04, RP17, Ram12, RGÖS18, RG05, Roo20, RBT15, SRK21, SRK22, SAA20, SK97, Sch08a, SMC08, SW95b, SW11, SY05, SA00, SYG+05, SSA+22, SD93, SBS+20, SA08, SW13, TLP18a, TLP18b, WM07, WS04, WYP12, YC00, Yos00, YR22, YDWW17, ZT06, ZG21, ZPT92, ZSJ04, ZWL11, dRT99]. **Utility** [AD99]. **Uzawa** [Cao03, Cui04, Mur15, SED21]. **Uzawa-like** [Mur15].

V [EST15, Tsy96]. **V.S** [Ano00h]. **vadose** [BDNV19]. **vague** [MMKN17]. **Validated** [LS07a, JN02, Jéz99]. **validating** [Tou97]. **Validation** [AV96, CAAT16, TLV92, BWEP95]. **Vallée** [ORT24]. **valuation** [AO05, CF08, Mar09]. **Value** [AGM09, De 88, SM85, AA04, AL09, AyLqW18, AB15, AMP03, AMCR17, AMR14, AT93, AM95b, AGM95, Att97, AFLG+12, ABRW18, Bac17a, Bac17b, Bac18, Bac19, BTBR19, BGO13, BY00, BM00, Bic16, BCC16, Bic21, BBRS97, BT93a, BT93b, BT95, BT98, Bur93a, BT00, BC89c, Cah89, CA21, CL85, Cas96, CW98, CJ90, CZ12, CHS19, CYYH21, CH21, CN17, DS24, DS20, DMPSC16, DSS20, EHM01, FW08, FD97, FL20, FMPP24, Fer93, Fun94, GGM95, GM95, Ghe97, GH02, yGpY09, HGM+21, HK93, Hig93a, HR06, IO18, JL21,

JL23a, JR02, JCSR03, JCJP21, KHLV22, Kat89, KOR18, KG90, KS09a, KKW00, KS01, KW93, KK02, KK20c, KDKW20, LHH96, LZ17, LW17, LZJ21, LWW22, LHC23, LC99, LO03, LS07a, LM22a, LT93, LDH+24, LOM98, MS03, MS90, MYSC17, Nap16, NNJ23]. **value** [NSCC19, OB20, PZMX16, Pap95, PT15, Pul12, RNG22, RK08, Roo20, RTU15, RGA19, RTA19, Rou20a, SAG86, Sch93, SWE05, SNOK21, Set24, SSC23, pSLqJcY16, SHLY19, SWB20, SWB21, SW85, Sub04, TS08, VO00b, VV02, Wan07a, Wan07b, Wan11, Wan17b, jWS20, War92, WW14, XFLC00, YL13, Yos00, Zak19, ZLY23, ZG92b, ZC10, ZLJ20, ZLS20, ZZ19b, ZWL11, dVA02]. **valued** [AHAS21, LZZ22, LAZ20, LW07]. **values** [CH21, Pré10, pSLqJcY16, SHLY19, Zha07]. **valuing** [itHT18]. **Vandermonde** [MP98, dC18a]. **vanishing** [CS17, KV95, LZZ18, Pis22]. **vanishing-lag** [KV95]. **vapor** [CKB13]. **Variable** [AGM95, Ber04, CLMSS98, GPMPR03, Hai97, Jac87, JVZ95, JAH21, KW20, LWW23, MDP23, PAJ12, WKP12, YXZL24, Zla85b, ASA20, AEA23, An20, Ant13, AFS02, BCGS24, Ber05, BG02a, BZ17a, BRW17, BC98, CGA96, CK20, CR23b, CFM+24, DFLM19, Fel06, GD09, GPPR12, GJLL20, HOS99, HP14, HMN20, HA21, HMD21, Hey19, Hey20a, HAA21, HAR21, HLR01, Hol01, HLMKZ06, IJ14, JWZ21, JL17, JV09, KXK92, KS00, KHB22, LWT07, LLL08, LA21, LLT07, LS21, LYZW22, LFS15, LMG02, MJS23, NP21, PWY21, PM91, RL21, SH97, SRMDRL23, Sha87, SS08b, SAMSB20a, SAMSB20b, Top21, VL19, Wai98, WR20, WZZ21, WWM22, WWF20, YMD21, YLFT20, ZHL22, ZJH+23, ZFS24, ZEW20, ZLWF21]. **variable-coefficient** [PWY21, ZLWF21]. **Variable-Order** [Jac87, Ber04, GPMPR03, Ber05, BZ17a, Hey19, Hey20a, HAA21, HAR21, JWZ21, KHB22, LMG02, NP21, Sha87, SAMSB20a, SAMSB20b, YMD21]. **Variable-Step** [Jac87, AGM95]. **Variable-stepsize** [KW20, WKP12, LMG02]. **Variable-time-step** [LWW23]. **variables** [AEK23, BC93, Dar90, Kid90a, Kid90b, Lav94, Man97, PM03]. **Variance** [Dah02, JLH13, CHZZ06, LHÖ13]. **Variant** [LG19, LLY11, MC17, QM10, Ree03, SMTHE22b]. **variants** [DRS19, HS02]. **variates** [Dah02]. **variation** [Ano87a, BAP+06, BS20b, DH12b, FS05, ILS19, JL86, JL87, LPR00a, ZZX19a]. **Variational** [BFS17, BCGI13, DM12, KP03a, RSK24, RTH23, BNV06, BHR05, Bot97, CP97, CBD16, CDI+24, DC21, DHS05, DP21, FGPR12, GH20, Gwi09, Har98, IS23, JMDN+22, KHM+14, KPR12a, KPR12b, LLY11, LWL18, Lub04, MD20b, MG00, RZS21, SQ17, SI20, SMA01, SC22, TLQ21, TGV22, VA21, WH13, WPAZ24, YXZL24, YÇ16, ZDM18, ZHJ14, ZS21a]. **Variations** [KYC03, RG02, SST04]. **various** [Nes16, VSeYD02]. **varying** [DS21a, KPRU20, MVG14, RE19, Rya00]. **VCSEL** [AC08]. **Vector** [BZ96, DTQ+20, NT16, AAD+08, Alt85, Bel91, Bre02b, BRZ17, CC04a, Con04, Duf90, Fer14, FS88a, Fuj99, Gia12, HvdHV10, KPRU20, MZZ17, Sad96, Sad97, Sid90, SSW04, WGB99, WWS+93, Win92, Wu03, YLL21, ZL24, de 92b, van86a]. **vectorial** [JPP19]. **vectorizable** [BV94]. **vectors** [CP07, GM94, LJ20b, PTW19, VSeYD02]. **vegetated** [IMC22]. **velocities** [DJL04, Fan19]. **Velocity** [BM18, Ale11, CHR03, CLY19, DFC09, GLS09, Gat91, GP00, GS18, GGG16, HL19, KS02, LD21, LY16, LW07, Med96, RR00]. **Velocity-current** [BM18]. **velocity-pressure-stress** [GP00, KS02]. **VEM** [LWW23]. **Venant** [FCX06, IMC22].

Verification [LZZ18, RBBC85, SK01]. **verifications** [WKN20]. **verified** [Fac03, Rum87]. **version** [AK00, AM16a, CS09, DN21, GGO13, GW20, Gwi09, HH18, JJ94, KJ99, KFOF02, KX03, LWY20, Mai06, ML91, NDM20, SS00, SK10, WTY21, XY19, YMD21, ZMY21]. **versions** [Mus11, SLMD21]. **versus** [CHR03]. **Vertex** [ZL18a]. **Vertex-cell** [ZL18a]. **vertical** [BDNV19, GDEdLD23]. **vertices** [Dal13]. **Verwer** [BtTBV87]. **very** [BC99, BP14, BCMV03]. **vessels** [BCS06]. **via** [AD20b, ABdSG23, AA87, ALP+96, Bai97, BBCR22, BGG04, BRRS15, BGG+21, BHSW20, Bor10, BM06b, CFXZ06, CCDJ20, Car19, CZ19, CM04, CPZ17, CGGM17, CDI+24, DSZ15b, DSZ15a, FVGS13, EEJB22, HA21, HR14, HXW15, JMDN+22, JCJP21, KP18, KW21, KOS21, KME20, KNP16, KK22b, KSP10, Liu21, MD19b, MS00, MMRV20, NRZR12, Pas91, PTW19, PM14, PWX24, SA90, SSA+22, Sid14, Udd20, WZ16, WQ17, YV17, YT03, YR22, Yu08, ZM19, ZH20, Zha07, dlHV13]. **viability** [BMMZ06]. **vibrating** [Ahn07, CCJ99, CFC03, LR03]. **Vibration** [LHC09, AMH03, Dat99b, LFB00, MR01, dlC23]. **vibrationally** [MRS03]. **vibrations** [RL06]. **video** [EEJB22]. **Vienna** [AFS96]. **VIEs** [Cai24]. **Vieta** [HAR21, Wu03]. **view** [Han87, WH13]. **viewpoint** [Shy91a, Shy91b]. **views** [MMP02a]. **violating** [Vul95]. **Virtual** [ANN19, Men23, SWY+23, Aya09, BLJ21, CGS19, CWZ23, DV20, DGM22, DGE22, ECB07, LW92b, LN21, MM22, MP20, MZM20, WaZW23, ZZZ19]. **visco** [HS07, LDIW16]. **visco-elastic** [LDIW16]. **viscoelastic** [CFRA08, CCLT10, DYF23, KK06, MF23, NA21, Zha19b, ZYS17, ZB19b]. **viscoelasticity** [HHR12, Wen05]. **viscoplastic** [Mur15]. **Viscosity** [FF06, FFMZ13, MP85, AJ24a, AK21, BCGS24, CSW19, CRTU15, DK20, EK96, GT00, GGRN17, KS00, Luo18, VA21, YWSL20]. **viscosity-splitting** [GGRN17]. **Viscous** [XF06, BM18, CPY20, CCL04, Duf90, FPRA09, FL01b, GM08, GZHQ23, HT00, JT06b, LKJ07, LT00, LR87, PR90, TYKK01a, TYKK01b, WWLL23, ZYJZ23]. **visual** [Spi99]. **visualization** [Zar99]. **Vlasov** [BS14a, LSW23]. **VLUGR3** [BV94]. **VMS** [RMM12, RÁM23]. **Vogelius** [BL08]. **void** [NS16]. **Voigt** [DYF23]. **volatility** [FV01, LL15, SB19, ZW09]. **volatility/transaction** [FV01]. **Volterra** [AHJM19, ABH22, AAL21, AB88, AAH21, AM10a, AD18a, AD19b, BT97a, BLRGVR23, BGGG13, BLM17a, BDFV95, DLS22, BP92, Bru92, Bru97, BMM97b, BMM97a, Bru07, CCP17, CDP17, Car23, CZ12, CP09, CDP12, CP17, CFM+24, DS21b, DN21, DHWL22, Der92, DLPV17, EH97, EK06, FH22, FJ97, FPR12, GLS09, Gar10, GGS16, Gu19, GAOB20, Han93, HZBM05, HS19a, HA16, Hu99, HY24b, IRC12, KO08, KME20, Kau97, LZQ22, Li05, LWY20, Lia22, LD97, LW92a, LM22a, MK20, MAHZ21, MAH18, MHA19, Maj14, MO17, Man97, MV17, Mic03, MSS21, MdD04, Naj20, NDM20, NSD23, ROB17, Ril92, SHL19, SV00, SDG20, tSqWyG16, SVB17, SP22, SPYS24, Vab22, WTY21, WHW21, WW24, WC14, WYL11, WHL19, YT21, ZL18b, Zha20a, Zha20b, ZHL22]. **Volume** [Ano01c, Ano01d, Ano02a, Ano02b, Ano02c, Ano02d, Ano02f, Ano03a, Ano03b, Ano03c, Ano03d, Ano04c, Ano04a, Ano04b, Ano05a, Ano05b, BMQW16, AKT97, ASCM02, ASC03, BK09, BM04a, BM04c, BW95, BC08b, BG03, BP97, BD22, CMP03, CL10, CXZ17, CH19, CNT07, CCZ22, DKSS24, DJ10, DM11a, DT10, DN08, DHM09, DII15, EN09, EGH01, FL04, FM07, FMU15, FSWZ19, FL01b, GLLW14, GBBC+23, GQ08, GJ17, HHC08, HJZ23, ID19, Kal96, KD13, KCJP01, KvyS15, KR12, LRS23,

LLHC18, LZ20, LLS+96, LZIZ23, Lte24, LP01, LMWZ07, MK14, MS08a, Mat08, MR94, MQ00, MOU14, Ngu15, NB01, NFAE03, PGYF20, Que21, RVD00, RBT15, SD11, SD13b, SYY20, SG16, SNW22, Sin23, SG07, SW24, SN04, SGN06, SGN08, Tol04, TH09, TK15, WZL13]. **volume** [WZ19, WYYL19, YS09, ZBD24, ZXYW22, ZSY20, Zou10, Ano01a, Ano01b, BGP11]. **volume-element** [RBT15]. **volume-finite** [KD13, MK14]. **volume/finite** [BD22, Lte24]. **Volumes** [Ano04l, BM04b, Pel20, Ano92]. **Volumetric** [BH20]. **Voronoi** [BTC23]. **Vortex** [BO87, Gus87, HKS86, Mac86, MOZ87, Ta'86, CR04, Nic86, Sod91, VR01, ZdBT03]. **vortical** [Din93]. **vorticity** [AQ00, BP95, Gat91, KN93, LJ20a, Med96, RR00]. **vorticity-stream** [BP95, LJ20a]. **vorticity-velocity** [Gat91, Med96, RR00]. **voting** [Han19]. **Vries** [BDKM92, AM04, Bas21, BR97, FWL18, HY24a, Isk89, KS22, WH19a]. **vs** [KL09, Nak05].

W [Ost02, PSW02, WSP04]. **W-methods** [Ost02, PSW02, WSP04]. **W.** [SS94a]. **W4** [OFY+23]. **wakes** [FPPS00]. **wall** [BL91, DM09a, TYKK01b, Uty08, ZFW20]. **wall-bounded** [BL91]. **Wanner** [Ran16]. **was** [BDN+97]. **wastewater** [PGC01]. **water** [AQS94, BDMG12, BBD20, Beh97, BGG12, BTC23, BDE22, BD22, CFXZ06, CCM17, DL21b, FCX06, FBS09, HAN23, HL03, IMC22, ID19, IM00, KOS21, Lie01, QLL+08, STS00, SCT05, SW12, Tou10, VCC12, WLG22, WWLL23, WC24a, YTC24, ZGDL17, de 92b, vdHS01]. **waters** [CdCV03]. **Wave** [AD15, DH12a, DC18b, Gus88, Vic87b, WVBM88, YR22, AD19a, AD21, AMV17, Ang06, AD01a, BvG19, BK21a, Boy91a, CHP19, CC18, Che88, CFL+20, CR04, CSCM96, DvHM19, Dek17, DM09b, DZ12b, DL20, DL22b, Din19, DG22, DC09, EH91, FMS18, Fan19, FRRJT10, FXY22, FJP17, FJ09, FJH+01, GKB+22, GD22, GL93, HD04, HM17, HS20, HTSZ23, HvdHV10, HL21, HL24, HCGW22, HJX+19, HZAT21, IK24, IJ14, JR00, JZS20, JEG10, JQSC22, JR02, Kim95, KKE16, KDD23, KR15, LO22, LH11, LR18a, LC19, LC24, LSG24, LKJ07, LKJ20, LN08, LCL18, LLZ19, LW20b, LMWZ07, LG02, LLW20, MDP10, MP20, Mot17, Mul99, Mur19, OL18, OCVW22, PB21, PD01, PA18, Pir09, RL21, RA03, Ric94, RTT01, Sal93, SN22, Sch23, SS94b, SW20a, SW21, SS17, Sod91, SDK15]. **wave** [SKW17, SD24b, SA18, zSW06, Ter22, TK19, TY98, UWY22, Ven15, Vic92, Wag85, WTB24, WQ17, WWLL23, WXY24, Wee01, XC85, XLZ20, XLKY19, XXF22, YZG23, YWH20, YLLZ21, Yua20, ZP24, ZJ19a, ZYJZ23, ZLG24, ZZ20, ZL24]. **wave-like** [TY98]. **wave-type** [RTT01]. **wave-vortex** [CR04]. **wave/particle** [RA03]. **Waveform** [Fan11, AKGR14, AL22, BZ93, BDP96, CC18, JZK06, JW01, KL07, LR93, Mar05, Poh93, VP91, ZK00, in 95]. **wavefunction** [LY24]. **waveguides** [SDK15]. **Wavelet** [AV00, BKP09, KNN03, TZ00, BDOG19, CL01b, CPOGO17, CNS00, DGD03, EH05, FK23, GS24, GPP04, GM17, Güm20, Jam95, JCJP21, LS16, LYZW22, NLS20, PK23, Ric08, SW13, SSS21, VRC21, YR22, YRV21a, ZCSH11a, ZCSH11b]. **Wavelet-based** [BKP09, CNS00, Ric08, YR22]. **Wavelet-Galerkin** [AV00]. **wavelet-like** [SW13]. **Wavelets** [SW06, AKM+21, BKM19, BCU00, CAD03, CaAL96, DSAB20, GeO24, Har93, Hey19, KME20, KOR18, RR21, ROL19, RV22, YRV21b]. **Waves** [SR88b, AD01a, BBD20, Bir87, CGP15, DTQ+20, DLM02, EZ03, EV96, Hag15, HAN23, HD88, KOS21, MRS03, MZ04, Mur19, NAF24, NC16, RX08]. **way** [Ter22, TSFB01]. **Weak** [AB17, ADG+24, BWY03, CGH23, GCZZ23,

HLY22, MJS23, TN16, Yam18, ZW24, ZZC+18, Abu04, AY22, ATW20a, ATW20b, BTBR19, CW21, CDW23, CRR03, DR09a, DR09b, DK21, DYF23, GZZ20, GD21, Gol86, Hus20, KK11, Kom07, KDD23, LWW20, LC24, MK20, MWYZ18, MC21, Sch08a, Sha21, Sin24, SZL18, TZA13, Top21, XZW19, Xu21, Yam23, YLY19, YZ22, ZFZ19, ZZ24, ZGR23, ZX22, dlC23, DM12, LX24, SI20]. **Weak-convergence** [BWY03]. **weak-internal** [CRR03]. **weaker** [TM24]. **Weakly** [HJ09, SPYS24, AL95, AAD14, BY09, BLM17a, CHLX07, CHS19, CDW19, CCST22, CP17, DN21, DLPV17, DL16, DCY20, FK23, GZZ20, GMG19, GGS16, Gu19, HY24b, IK24, KX91, Lia22, LD97, LNZ12, MH16a, MAHZ21, Maj14, MO17, Moe98, Mok17, Naj20, PT11, PTV16, PTV20, QXG21, RN22, Tan93, Vas17, WTY21, WZ22, WW24, ZD20, dAF17]. **weather** [WCGW95]. **weight** [DSM11, LMO24, LSY21]. **Weighted** [DDRS24, All24, AMR12, AM16a, BL06, Dea11, DN08, DSZ15b, DSZ15a, GHT05, HSS04, Hua19, JZZH22, MS08a, Mil17, Muo23, NZY21, SL15]. **weights** [ELR+15, MN20, TDW23, WD22, Wel10b, WG11]. **Weiss** [GR02]. **Well** [KTK20, Lie01, MN24, TK15, ZGDL17, BDMG12, CHS17, Eng11, EL01, FGGL22, Geb24, GBBC+23, KD13, MPPR22, SSZ16, WLG22, WDL23, WC24a, YTC24]. **Well-balanced** [KTK20, TK15, ZGDL17, BDMG12, FGGL22, GBBC+23, KD13, WLG22, WDL23, WC24a, YTC24]. **Well-posed** [Lie01]. **Well-posedness** [MN24, Geb24, MPPR22, SSZ16]. **well-separated** [Eng11]. **well-spaced** [CHS17]. **wellbore** [CML05]. **Weller** [LHWF08]. **Wellposedness** [ZEW20]. **wells** [GRGJ02]. **Wendroff** [De 88, LVW21]. **Weniger** [PCA10]. **WENO** [AJ24a, BL06, DGM18, DMM24b, GJ17, KHYY21, LPR00b, MM14, MC21, RGB20, SG16, Tan23, Tan24, TDW23, WD22, WG23a, XZL07, ZQLK11, ZGDL17, ZSQ20, ZSQ21]. **WENO-JS-type** [Tan23]. **WENO-Z** [RGB20]. **wet** [BDMG12, HHL23, WC24a]. **wet-dry** [WC24a]. **wet/dry** [BDMG12]. **WG** [KTYY24, XZ22]. **WG-FEM** [KTYY24]. **which** [MMDS21, SRMDRL23, SG92, ZNK02]. **white** [AHO16, CL18, KZ13, ST19, WYY20, GGO13, ZB19b]. **Whitehead** [MDRR11]. **Whitham** [DDK19]. **whole** [LLJY20, jWjJ17, jWC22]. **whose** [MB08, Mar08]. **wide** [ADK94, WL24, YZH19b]. **wide-angle** [ADK94]. **width** [AM16b, KOS21]. **Wiener** [JMDN+22]. **Williams** [GT18]. **Willmore** [HGR01, Obe15]. **Willmore-type** [HGR01]. **Wilson** [YB10]. **wilt** [ABdSG23]. **Wind** [BO87, Fan19]. **Wing** [Gar87]. **wire** [DDZK05]. **wise** [LSY17, LW21a, MM14]. **within** [AD15, DS15, FR18, SWFK13]. **without** [AQJ18, AMC02, ASC03, AQ00, BM12a, Boy07, KNP16, LSWW22, LCZ23, SL21, mWyG00, WZ16, Yam18, YDWW17]. **WLS** [ZB19b]. **WLS/SUPG** [ZB19b]. **WONAPDE** [BGHR12, BGH+15]. **wood** [QPT23]. **Woodbury** [Mit24a]. **work** [AV91]. **working** [BW23a, GT02]. **working-set** [GT02]. **Workshop** [BGHR12, BGH+15, FG96]. **World** [HSX18, MH89]. **wormhole** [ZSG+20]. **WR** [BK06]. **Wright** [Meh22]. **Wright-type** [Meh22]. **WSGD** [ZYLL20, LQS21, LS21]. **WWP** [YLW20b]. **Wynn** [MV20, Pré95].

x [Lu98a, Ram12, SSW04]. **X-ray** [SSW04]. **X-splines** [Ram12]. **Xfem** [CLR11]. **XVA** [CC23b].

Y-MP [HVY91, van95]. **Yanosik** [Pot85]. **years** [Bru97, Gil10]. **yields** [PRS20]. **Young** [LW04, Mil17, XL09b].

Z [RGB20]. **Zakharov** [CFLW22, FvdMS17,

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