A Complete Bibliography of Publications in *Numerical Algorithms*

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Title word cross-reference

$(0, 2)$ [MP08]. $(1, 1) - q$ [MPC12]. $(1 - x)^{\alpha}(1 + x)^{\beta} + M\delta(x + 1) + N\delta(x - 1)$ [KW96]. $(2, 2)$ [ST22]. $(3, 3)$ [KCHD16]. (A, B) [KP96a]. (k, l) [Gut15]. (p, q) [JXX+23]. (R_1, R_2, R_3) [IDAV09]. (w, p, u) [Oua99]. $-2 < \alpha$ [DJ18]. $0 < q < 1$ [Mah10]. 1 [ATM19, Bea98, BCJ99, ICR06, JV98, Moh10, MK17, Pas92]. 1.5 [ST17]. 1/9 [MM00]. 11 [HvD93]. 13 [DL21]. 2 [AM98b, AEF+14, CJ17, CG19, DSI11, DL21, EL01, JV98, LZlL20, Sal17, TC05, VMMD21, ZYX19, ZYLN18]. 28 [Mar04b]. 3 [CL00, FHC21, GH09c, LG08, MFK+15, PMO05, ZJ08, ZS19]. 3(2) [RSKB17]. 3×3 [HN16, HM19b]. 4 [CVX16, NB16, PT18, Wri01, ZXRL11]. 4×4 [KH18]. 5 [LMUZ19]. 7 [MV02]. 8 [MV02]. $[-1, 1]$ [The12, TV17]. $[0, 1]$ [VC92]. ^{n} [Ple03]. ^{T} [Orb15]. $\{{}_1\Phi_1(\binom{1,1}{c,\gamma_j} and z)\}_{j=1}^{n}$ [dDL92]. ${}_3F_2(-n, b, c, e; z)$ [DJ02]. ${}_4F_3$ [DL01]. $_{\sigma}$ [LCZZ23]. A [But02a, FYYW19, MT13, MT14, MT19, ZD15, But96, Con93]. $A(p)X = B(p)$ [DMD16, Pop18b]. $A^{\mathsf{T}}A$ [Tou98].

$A_1X_1B_1 + A_2X_2B_2 + \cdots + A_\ell X_\ell B_\ell = C$ [hPwL09].
$A_1X_1B_1 + A_2X_2B_2 + \cdots + A_lX_lB_l = C$ [Pen13]. $A_iXB_i = F_i$ [TPY14]. A_n [Sid20a]. $A_{T,S}^{(2)}$ [Sol15, MGL20]. α [ASV23, Gar19, HY21, HS21, HSY23, IAH20, MA15, MP14, PDRG19]. $a \otimes 0$ [KR07]. $AXB = C$ [lLhYfD07]. $AXB = CAXB = C$ [jHyPlZ06]. B [But19, Cha14, GEP16, HZX20, LL16, LDL17, Mil17, dS24, FJT94, Gre96, Lai92, MRS93, Rab92b, Rab92c, Str93]. β [AL15, MP14]. $\beta < -1$ [DJ18]. BiCGstab(l) [SvF94]. C^0 [LY18]. C^1 [LRZ12, Gal93]. C^2 [ALY22, LM01, MS96]. C^∞ [Zhu21]. C^k [MS01a, MST03, NS01]. C^r [ARTY20]. $\cos(z)$ [VC00]. d [MDH16, dR99]. D^m [GLRSG08]. D_ω [MM08a]. Δ^2 [Sab92a]. Δ_1 [MS01a]. Δ_h [CL13b]. E [Bag16, GS19a, MP92]. $E_\nu(x)$ [NP18]. ℓ_0 [CS24]. ϵ [BRZ17, BRZ19, BRZS23, CGM93, GCFF95, Le 92, Mat92, MN11, Sal96]. F [AUA22, HLL22]. $f(A)b$ [Dea15]. G [But15, Hil10, SCS18, YAT20]. G^1 [Poc14, CLaL00]. $G^{k,l}$ [GLW16]. γ [Kar00]. GC^2 [HvD93]. H [Cve06, CK06, LZ14, WPL18, Bar13, BX19, LH23]. H^{-1} [Liu21]. H^1 [FHC21, LR18, LZlL20, LCZZ23, ZJ14, ZZY24, GM06]. H^2 [Ber93]. H^∞ [DHS97, DI11]. H_+ [RWTW19]. hp [CVX16]. i [Fue07]. $I_x(a, b)$ [YA24]. ∞ [PW14]. k [BCL00, HVMT17, OLB94, Wat93, Wat94]. L [BM14, CMRS00b, CRS04, HASI23]. L^1 [ART14]. L^2 [LCH20, MG11b, BM94]. $L^2(I) \oplus \mathbf{C}^2$ [AT19]. L^∞ [LKQ23]. $L^\infty[0, T]$ [DN24b]. l^p [BR21, LI10, Cro03]. l^q [BR21]. l_0 [ZPX21, MH22]. L_1 [GGNF17, GGN18, WYZ22, MG18, AGN07, Gaj05, PW04, ASW06, AS08, BL93, BL95, GH95]. L_1C^1 [GGN14]. l_2 [MG18, Meu05, KLZV95]. $l_{2,p}$ [LZ22b]. $L_2^{(m)}(0, 1)$ [BHS17]. L_p [BGS24a, Wat94]. LDM^{t} [TS92]. LL^T [BSB23]. LU [ZWLZ24]. M [GL04, Guo13, Laz99, PWCsL18, Rab92b, Rab92c, THS20]. $\mathbf{R}^2$ [Ave20]. $\mathbf{R}^n$ [AHL20, MTTC22]. $\mathcal{B}$ [CHY19]. $\mathcal{H}$ [LLQ17, XZZ19a, XZZ19b, LW20]. $\mathcal{H}_+$ [WCW20]. $\mathcal{KS}$ [WMCW21]. $\mathcal{M}$ [BHLZ21]. MB [CLWV15]. μ [CCZ23]. N [BJT24, Don13, HKKN12, Lor19, Sha02, Sha19, WSZ21, LB93, Li95, Sid20a, WZ15a, dDL92]. ν [KK00]. $O(h^6)$ [RGJ10]. $O(n)$ [Khe16, MR09, Pol10]. $O(n^2)$ [Góm99, Góm01]. ω [JM00]. Orthomin(k) [Tou98]. P [IUM$^+$19, KS20, LLY22, PFT98, ADN17, BHM05, BX19, CL11, CSFC04, Ern00, GL20, ML10, Col92]. $P_*(\kappa)$ [Khe14, SD20]. $P_*(\kappa)(\kappa)$ [AM13]. P_1 [OMW21]. $P_n^{(\alpha,\beta)}$ [DJ18]. ϕ [Jaw22]. π [Kal00]. ψ [JM00]. q [AH17, CW08, GA08, GS19b, KG23, KJG23, LGA$^+$00, LWG18, LQ16, Mah10, MP14, MAK20, Ost07, SC18, dDL92, KL91]. $q > 1$ [Ost07]. qd [DMS09, DS12, EAB20]. QR [DM22, Hua18, ZZ22a, BH92b]. QZ [MVVV24]. R [Chk20, WK13, Gaj05, HW00]. $r > 1$ [ARTY20]. R^3 [Caç10]. R^d [Gaj05]. R^n [Wat06]. r_1, r_2, r_3 [ED22]. R_{II} [BPR20]. $\mathcal{J}$ [Hom98b]. S [SKK21, SCS18, MAL04, Tou98, ZWG18]. SB [DLL13]. $\sin(z)$ [VC00]. t [HHLS21a, HHLS21b, HZ24]. τ [lLHNS23, Reb97]. θ [LDL$^+$19, Zag92]. θ_2 [Sab92a]. $\tilde{d}^{(m)}$ [Sid20a]. u [AL15, DLR24]. $U(a, b, x)$ [GRAST23]. ε [Ber14, SGM02]. φ [JP14, LCL21, MWsC19]. $|\gamma| = 1, \sum d_n < \infty$ [Thr92]. W

[BBM08, Gau11a, Joh20]. w^2 [AUA22]. $W_\infty^{r,d}$ [Kow00, Kow00]. $X = Q + A^H(I \otimes X - C)^\delta A$ [YLD11]. x^α [VC92]. $y'' + My = f(y)$ [LDW18]. $y'' = f(x, y, y')$ [JSF13]. $y'' = f(y(t))$ [DEP12]. $y''(t) = f(t, y(t))$ [LW16]. Z [Cou15a, Cou15b, GLL19, San19]. $Z \times aZ^n$ [KR07].

-acceptability [Col92]. **-accretive** [THS20]. **-adaptive** [LH23]. **-Algorithm** [SGM02, Ber14, BRZ19, BRZS23, CGM93, EAB20, GS19a, GCFF95, Le 92, MP92, Mat92, Sal96, Zag92]. **-algorithms** [BRZ17]. **-analogues** [GA08]. **-Appell** [CL13b]. **-Approximation** [PW04, Gaj05]. **-balanced** [BCL00]. **-band** [Laz99]. **-Baskakov** [MP14]. **-Bernstein** [Mah10, MAK20, Ost07]. **-Bernstein-like** [Bar13]. **-Blossoming** [AH17, GS19b]. **-Body** [Sha02, Lor19, Sha19]. **-classical** [LGA+00]. **-coherent** [MPC12]. **-constrained** [GLW16]. **-convergence** [MG11b, ZJ14]. **-coupled** [Don13]. **-Curve** [CRS04]. **-cyclic** [Ern00]. **-D** [MFK+15, Sal17]. **-dense** [Gar19]. **-dependent** [ZWG18]. **-dimensional** [DSI11, Li95, MDH16]. **-eigenpairs** [GLL19]. **-eigenvalue** [San19]. **-eigenvalues** [CHY19]. **-error** [LCZZ23]. **-exponential** [AH17]. **-feedbacks** [HLL22]. **-fractal** [ASV23]. **-fractions** [LB93]. **-functions** [Jaw22, Gau11a]. **-Galerkin** [GM06, LR18]. **-gamma** [GA08]. **-generation** [DLR24]. **-gradient** [Liu21]. **-harmonic** [Rab92b, Rab92c]. **-horizontal** [Khe14]. **-hypergeometric** [dDL92]. **-instant** [LMUZ19]. **-inverses** [BM94]. **-iteration** [SCS18]. **-iterative** [SKK21]. **-Jacobi** [KG23, KJG23]. **-Laguerre** [KJG23]. **-Laplace** [ML10]. **-Laplacian** [JP14]. **-like** [TS92]. **-major** [Wat94]. **-matrices** [CLWV15, CK06, Hil10, LW20, LZ14, LL16, LLY22, RWTW19, WPL18]. **-Matrix** [GL04, Cve06, DLL13, Guo13]. **-Median** [CSFC04]. **-method** [Reb97, HZX20]. **-mode** [CCZ23, BJT24]. **-Nekrasov** [GEP16, LDL17]. **-nets** [Lai92]. **-nonexpansive** [IAH20, MWsC19, PDRG19, SCS18, YAT20]. **-norm** [BGS24a, FHC21, LZlL20, LCH20, MT13, MT14, MT19, ZZY24]. **-order** [WK13]. **-orthogonal** [Tou98]. **-orthogonality** [dR99]. **-orthonormalization** [ZD15]. **-patches** [Str93]. **-periodic** [WSZ21]. **-Phillips** [LQ16]. **-point** [DL21, WZ15a]. **-preconditioner** [lLHNS23]. **-product** [HZ24]. **-pseudocontractive** [LCL21]. **-rational** [FJT94]. **-regularization** [MH22]. **-regularized** [ZPX21]. **-ribbon** [CMRS00b]. **-robust** [HS21]. **-scheme** [WYZ22]. **-SCLCPs** [SD20]. **-semi-classical** [MM08a]. **-series** [CW08, But19, Cha14, dS24]. **-spaces** [MAL04]. **-sparse** [PWCsL18]. **-spline** [Mil17]. **-splines** [Gre96, KK00, KL91, MRS93, Rab92b, Rab92c, BM14, GLRSG08, LRZ12, MS01a]. **-stability** [But96, But02a]. **-stable** [Con93, HY21, HSY23, FYYW19, KS20, PFT98]. **-stage** [NB16]. **-step** [Gut15, HVMT17, Tou98]. **-storage** [Pol10]. **-symplectic** [But15]. **-tensor** [WMCW21]. **-tensors** [BHLZ21, LLQ17, WCW20, XZZ19a, XZZ19b]. **-th** [CVX16, Fue07, GL20]. **-theory** [MA15]. **-transform** [BBM08, Cou15a, Cou15b]. **-transformation** [AL15]. **-tridiagonal** [JXX+23]. **-tuple** [dDL92]. **-Uniform** [MN11]. **-uniformly** [SC18, IUM+19]. **-variate** [PW14].

/Octave [MBR21].

1 [BRS92, DJM+18, HM22a, LCZZ23]. **1-parameter** [Uhl22a, Uhl22b]. **14** [Tov98]. **16-stage** [Zha24]. **1994** [BV96]. **1D** [BGS24b, CKO24, LZ23b]. **1st** [DMRT03].

2 [HM22b]. **2022** [BC22]. **2023** [BJK+24]. **2D** [HCBAEC23, Mil20, MP22, SzS21, XSL22, ZL22b, ZZ22b, ZQzS22, SFS23]. **2D/** [SFS23]. **2D/3D** [XSL22]. **2nd** [Cor24]. **2nd-order** [Cor24].

3.0 [Han99]. **3D** [BGS24b, LAH22, QQX23, SFS23, XSL22]. **3DVAR** [JS23].

4.0 [Han07].

5 [CP95b]. **5.2** [Han99]. **500** [AWL+24].

7.3 [Han07].

8 [CZ95].

90th [BJK+24]. **92j** [BRS92]. **95i** [CZ95]. **'97** [Ano98d]. **98c** [Tov98].

=Helmholtz [SZ23].

A-posteriori [DBGB11]. **A.** [AD00]. **A.D.I.** [MS02, SMB02]. **Abaqus** [DN19]. **Abel** [CW08]. **Aberth** [Bin96]. **ABS** [KMA13]. **abscissae** [Not08]. **absolute** [CHYH24, DW24, LLD23]. **absorbing** [ALZ21]. **abstract** [HPS20]. **Accelerate** [GR01]. **Accelerated** [And10, BM24b, DS20, Erb15, LY17, ML22, SM10, WMCW21, ZY13b, ZM16, And14b, BKR18, FC01, GH10, HT16, HS20, HHF22, KZ21, LG18, PRK+18, SS10, SBJC19, SLL22, WL24]. **Accelerating** [CL99, KBCG13, MCG+04, Hom92, HL23a, LZOY22, RR00, Sab91, Vep08]. **Acceleration** [And19a, Bre00a, EGSV04, EN11, KP03, Mat91, MP92, Pas03, Pep23, Sid20a, TY21, UTO24, Wil12, AL15, And06, AS14, BDD20, CL00, CHHL18, CR20, Cro92, Esp05, GM96, HS16, Hom98a, Kza97, LDZ24, LCHH21, Mat92, MPS20, NG23, Now06, Now13, Now19, Osa12, PL99, Pas92, Pas08, Pas11, SS98, WRM17, CDP16]. **acceptability** [Col92]. **accessibility** [EHVRV14]. **accretive** [THS20]. **Accuracy** [AEG02, BD04b, LZX23, Mat15, CC16b, CV92, FJ96, FS01, GST21, KKO17, LMV23, MPR24, Moh10, MDL15, Mok16, SW05, TL24, YWYN22]. **Accurate** [AP21, DH04, FLH04, LL05, MMV17, MPT21, MNS23, SS11a, YHZ20, YHZL21, AM12, BIMR19, CZ23, CFL19, CW21b, GH06, GKV23, GLW13, HJB18, LZM23, LZ23a, LZZ23, MH21, MPR22, NP18, PJ22, SS23b, SYLT14, VH92, WW14, YQM16, ZQS24, ZP23]. **achievable**

[AHS22b, AHS22a]. **acoustics** [GX19]. **across** [Gor18, vSv94]. **action** [AH14, EHN17a, EHN17b, Fly22]. **activated** [MB09]. **Active** [Góm01, ABM10, Góm99, GLV05, LG08, LL22a]. **active-set** [ABM10]. **Adam** [Iid24]. **Adams** [CVA01, DFF04, LRY18, MJ20, MG11a]. **adapt** [ART19]. **adaptation** [Pol10]. **Adapted** [LW13, CYM22, KK16, Lin05, YW17]. **Adapting** [SH12]. **Adaptive** [AR24, ASGJ+20, AKKT16, AKQ17, CMR03, DZ01, FGP91, HSZ03, IJE15, JR10, Kac18, KLT03, KL22, KLS17, Kun05, LHZ+21, LGC24, MRV23, Mal21, MSZ20, NR14, SW00, SC03b, Söd02, SVZ05, Ste24, Sti18, WO00, YYZ22, ZS03, ZZL17, ABB15a, ABB15b, And18a, AV19, ASHF21, AEF+14, BKR18, Bac20, BD17a, Bno21, BMV09, CR96a, CHY19, CM99, Das19, DDG05, FSY23, FS21, HHHN07, HOW95, Hei07, IL05, JA22, KE16, LY18, LLC20, LH23, MAS17, MD21b, MKBY19, MC05a, MS23a, MP13, Moo07, ODL21, PSZ23, PS22, PSW11, RFS23, RTTH22, RT24, SSH+19a, TKSG23, TG20, WQ23, XZZ22, YF22, YHS18, Ye96, YZLC24, YQM16, ZHSX23, ZH17, ZH19, ZW15, ZZWK12]. **Adaptively** [Lun23, BK08, WHS23]. **Adaptivity** [Coo03]. **Addendum** [BRS92, SS01a]. **addition** [GWBC20, MW16]. **additional** [GP05]. **Additive** [BCW13, CZ94, CZ95, CGV22, Axe99, BB14b, CZ96, CG19, KLL10, LZ19a, MKBY19, NG23, NT21, Prz16]. **addressing** [ST21]. **ADI** [BKS13, BPS23, DZ13, DW22, He16, QQX23, SzS21, YWWR12, ZWFY19, ZZY24]. **adjoint** [BN18, Fly22, GNS22, JCH23, LG95]. **Adjusting** [CZH22]. **adjustment** [LHZ20b]. **ADMM** [AG23a, BBC21, BF20, BDD20, CWHL20, PV23, SW24b, XYZ14]. **ADMM-based** [BF20]. **Adomian** [GNH10]. **Advanced** [Ano93, BvLP16, SAC18]. **advection** [AD22, ETY98, GM06, HZPW23, HLTA16, JBJB17, MA13, PED15, SLA11, TL24, WZZQ24, dFO11]. **advection-diffusion** [AD22, ETY98, SLA11]. **advection-diffusion-reaction** [GM06, WZZQ24, dFO11]. **advection-dispersion** [HLTA16, JBJB17, MA13]. **AE** [DMD16]. **AE-solution** [DMD16]. **aerial** [DIM22]. **aerodynamics** [BZ18, Gau12a, Gau13a]. **Affine** [NKS04, dFS04, AK16, BCK06, CR23, LZ18a, Ska13, SH17]. **affine-convex** [BCK06]. **AGE** [Moh10]. **agent** [BWB24]. **agent-based** [BWB24]. **agglomeration** [CL00]. **aggregate** [JYLC21]. **ahead** [BRZ96, RSCH+19]. **AHSS** [WZ13a]. **aid** [NR24b]. **AIDS** [DJM+18]. **AIDS-related** [DJM+18]. **AINV** [Meu02]. **air** [CV15, NZ19, HJ18b]. **Airy** [GST02, Tem97]. **Airy-type** [Tem97]. **Ait** [LGL23, ZWW21]. **Aitken** [BRZ19, CM92, GM92a, PC13]. **al.** [CN16]. **Algebra** [ARJ03, De 02, AR18, BM96, BCGVS11, Cha14, CDW95, GHP+00, Reb97]. **Algebraic** [HL03, Jbi03, KB02, Mai01, Tsu02, AM98a, AM98b, Axe99, ANA14, BCL00, BBQO07, Bel94, BEQOR14, BDH+13, CGPM00, Che16b, CNR15, Cou15a, Cou15b, EL01, GP99, GKRS22, Gau12a, Gau13a, GH09c, GW24, Guo13, GL23, Han22, HM22a, HM22b, HJ18b, IY15, ICR06, JH22, LS14, LN95, LT20, MS06, NK21, PT19, PV22b, Pié99, Pis16, Pog98, Sal96,

Sid07, TFPG19, Yan95, ZY21a]. **algebraic/logarithmic** [Gau12a, Gau13a]. **algebraically** [Hil10, Kno23]. **algebras** [Kha13, Rob92]. **Algorithm** [BD02, BD04a, BS04, CM01, CCG01, CSFC04, DZ01, DR04, Dos03a, DL04, Góm01, HSZ03, HC03, KS14, KPFG04, LJW17, MP02, MN01, OKP21, PS01, PW04, Rob02, Sab03, SGM02, SBW98, SC03b, Ska13, Tir02, Van03, AGS08, AG15, AA16b, ASW06, AS08, ALV20, AZ19a, AC94a, Alt21, ART19, AKB15, AM98a, AT12, AHL20, AJMP11, And06, And08, And10, And14b, And15, And18b, Ant18, AABTB23, AM13, AE18, AB23, BPR22, BHLZ21, BBC21, BC94, BG11, BD17a, BCK06, BGRS09, BE17, Ber14, BM09, BM24a, BH92b, BD00, BSF17, Bos21, BL93, BL95, BC16, BP93, BMV09, BS91, BZ94, BRZ19, BRZS23, BK16b, BK08, BF93, CL92, CDT10, CMD19, CMM15, CFR06, CP95a, CM99, CF05, CE94, CGHH21, CS94, CC06, CHHL18, CHH$^+$20, CPZ14]. **algorithm** [CC18, CCHH23, CS24, CM96, CRN19, CCJ99, Cho17, CGM93, Cor91, CHH93, CPS12, DDS93, DWZ14, DW15a, DW15b, Dax09, DIM22, DB98, DY93, DTI09, Den14a, DN24a, DM21, Dey23, DEM94, DGL06, DLYH17, DMS09, DS12, DF01, EG19, EAB20, EEM20, EM07, EO94, EG94, FZLL23, FLMR99, FGL19, FM93, FC01, FDV13, FYI$^+$12, FS21, Gaj05, GGV96, GV99, GHM16, GS19a, GH06, GH09a, GJV17, GL12, GWW15, Gha18, Góm99, GCFF95, GM97, GI10, GLW13, GZP18, GLC22, Gug96, GH22, Guo16, GZD24, GEA20, Haj16a, HW00, HP18a, HHLS21a, HHLS21b, HDL23, HA16, Hie18, Hie19, HRAH22, HN16, Hof21, Hom92, HL23a, HL23b, HM18b, HM19a, HFW$^+$21, IS22, IR13, JL12, Jbi93, JJ13, JL16, Jia20a, JXX$^+$23, JWZ23, JLZZ23, JWCZ21, JA22, JRRS08, KSV23, KST06, Kar10]. **algorithm** [Ke21, Khe12a, Khe12b, Khe14, Khe17, KMA13, KLS17, KMS23, KLR07, La 17, LM11, LV15, Le 92, LDN16, LMV00, LL93, LLZ94, LWM10, LHZ20a, LCW23, LWLW24, lLhYfD07, LHZ20b, LRL22, LYY12, LS07, LYL15, LLLD17, LQ20, LCW21, MD21a, MR09, Md12, Mat91, MP92, Mat92, MS23a, Mel10, MS17, MSS18, MEJS19, MS23b, Meu97, Meu99, Meu05, Meu09a, MS14a, Meu20, Meu23, MMU20, MK94, MA22, Moh10, MN22, MN23c, MLM19, MvS09, MH22, MN92, MS24b, NIN12, NP18, NS22, gOM14, OOO11, PSS10, PSWE23, Pan20, PW22, PV23, PSZ23, PYD23, PS06, Pet01, PH14, PDS$^+$23, PCDH20, PS09, Plo93, PW16, Pol10, PPV09, PP21, PSS22, QZG$^+$19, QXGZ20, QAS$^+$24, Rah11a, RT20, RTTH22, Rob98, Sad99, Sal96, SD20, SA14, SIE16, SDW24, SS23a, SDMMK18, SH17]. **algorithm** [SS23b, SJ14, SWJ24, Soo15, SZ99, SU14, mTLbJlL14, Tom92, Tou98, Tra93, VH10, VH12, VZ93, Vep08, VMMD21, WZZ16, Wan17, WGZ18b, WZVJ22, Wan24, WCH15, WZS14, WZ23b, XZL12, XYZ14, XTH07, XW17, XH21, Yak94, YIY22, Yan17, YCL17, YLL20, Yan22, Ye96, Ye22, YCW$^+$19, YA24, YP23, YY13, Zag92, ZH22, ZBDK23, ZYGQ17, ZLQT19, ZLWZ21, ZZ22a, ZFH23, ZJJW24, ZGLH24, ZH19, ZZX$^+$23, ZDSY20, ZS22, ZLLC11, ZZWK12, dCOS21, dAR06, dC20, dC22, van93]. **Algorithmic** [Kub23, LM11, SAE19]. **Algorithms** [Ano93, Ano95c, AHKW04, BFGM03, BHM05, Bou17, Bre04, CGR12, CZ95,

CLaL00, CP95b, DHJJ10, DF94, DHMS16b, EGSV04, GPP01a, Gau11b, HR03a, HSS04, JMS16, MCG+04, NRS12, Sas93, Tov98, dSCS04, AH23, AN17, ART14, AL09, AV19, AMR15, Ari98, AHKW05, BKFMA11, BS21, BBQO07, BFK+09, BFK11, BG24, BvLP16, BWC22, BESC22, BEL23, Bra96, BRS91, BRS92, BRZ98, BRZ17, BN18, BM24b, BKL10, Buo17, CSI16, CSI17, Cal20, CPP14, CB13, CK20, CJK22, CH11, CvPS15, CCW21, CMWP20, DM98b, DG17, DHF21, DZS21, DLL+24, DB06, DZH23, Dur93, El 18, FT24, FHH05, FH05, GA08, GGN14, GMZ19, GPGC98, GST17, GL21, GLS+18, HLL22, HS20, HH05, HZ95, HR00, Ihs07, Iva17, IUM+19, JU22, JLX22, JY23, JCH23, JK19, JH22, JM18b, KP96a]. **algorithms** [Kar09, Kar13, KJC18, KR23, KPC20, KD18, KSW09, Kuh13, KLW+23, LY18, LL22a, LLWC24, LL20b, LCHH21, Luc06, LHW13, MP99, MVV05a, Mer92, MDR23, Mil18, Oar94, PKC18, PT24, PP16, PT17, PLH20, PW14, Pop18a, RTD+21, RT24, RR00, RW11, SKA23, Sab91, SCD+21, SKK21, Sal94, Sal05, SW10b, SI18, SSN+12, Śmi09, SW05, SJW21, Spr01, SBJC19, TKSG23, TQY21, TQW24, TG20, Tas93, Tem97, TH19a, TH19b, Thr92, TLD22, Vul97, WZ11, WYP23, WQ23, Wim99, WWM21, XZZ19b, Yan18, YWS20, YYZ22, ZTW19, ZLH22, ZFZ19, le 91, Pop19, PP17]. **ALI** [GW24]. **aligned** [CT21]. **alignment** [XQZ24]. **All-at-once** [PQS22, GZL24, HFDSC24]. **Allen** [CS22, HZX21, LZM23, LGC24, SZQS23, SZ24, ZYQ+21, ZY23, ZQS24]. **Almost** [DM21, GMP92, GL19, LM17b, AAAA+18, BDH+13, CEX14, DFJP10, FHC21, HvD93, Van07]. **almost-uniform** [FHC21]. **Along** [CG03, DF94]. **alternate** [OdZdRV13]. **Alternated** [TQW24]. **Alternating** [BCN+16, BF17, HR05, JHLL15, LZZ19, Lui02, ZFZ19, AC19, Bno21, Bru93, CTS09, Che19, Cui13, GZD24, HS16, JN99, LWZ18, LRL19, Ma20, NSM20, Now19, RWTM21, TYSY20, WLMA21, Zha15, ZZY18]. **alternating-direction** [WLMA21]. **alternative** [LCW21]. **Alternatives** [HHLS21a, SU14, HHLS21b]. **Always** [GA15, Gal18]. **American** [CL10a]. **Ampère** [BS19, SG10]. **amplitude** [Lin98, Lyn08]. **amplitude-phase** [Lin98]. **amplitudes** [Pan96]. **analogue** [HT16]. **analogues** [GA08]. **analyses** [LXZZ21, ZJ08]. **Analysis** [ABI20, Bac21, Bel03, BH01, BV96, CA22, DL08, DAM16, DZ13, DFF04, Flo03, FEK+23, GL04, HK06, Ila20, KS18a, KK16, LV01, Li96, LRL22, Lin09, MD21b, MM12, RS02, Sad05, SS24a, SJ14, SJW21, SWJ24, TPLB22, Wei18, ZLW+13, ZKD04, AS10, AJ13, AG15, ALZ21, AR09, AH10, AMKV96, BD09, BD10, BVV14, BC05a, BM22, Bel99, BF00, BBd95, CWZ13, CR00, Cao12, CM99, CWL16, CCJC18, CWHL20, CDS20, Cou15a, Cou15b, Cui13, Das19, DJM+18, EG18, EHN17a, EHN17b, FY13, FHH05, FYI+12, GM20, GKL21, GS16b, Van12, Van17, GS21, GLS+18, HZPW23, Han94, HSTW14, Hie18, HD18, HZ20, HM19b, HS21, Ihs07, Iid24, Iva17, JSZ22, KXXW21, KCBT21, KR23, Ke21, KL17, KPC20, KGH14, KPS22, KKA17, LK20, LSX10, LW14, LWLW24, LM14, LZ15]. **analysis** [LZ18b, Lin16, LLL22, LGP11, LLLD17, LRY18, LWS18, LS20, LRM16,

LZ22d, MA16, MP99, MV13, MV14, Man10, MR12, MM09b, MZ19, Moo20, MSMS12, Mot14, NIN12, NS24, NV21, NEMS14, NAA19, NR24b, OL23, PKC18, PH14, PK22a, PK22b, Pis16, PZ20, PSS22, QAS+24, RR08, RA12, RK11, RR22, SP21, SLW13, SMK14, SL21b, SW22, SDMMK18, Smi97, ST98, SLL22, TT21, Van19, VH92, WSK14, Wan15a, WZQ17, WXQ20, WYZ22, WZ22a, WLZ22, Wim00, WWD+12, WC13, XXW17, YLYZ23, YWS20, ZCT19, ZJZ20, ZD21, ZYJY22, ZW22, ZLLH22, ZWLZ24, ZFX14, ZWX19, ZL17, ZLWQ09, ZZY24, ZLTA16, dC20, dC22]. **Analytic** [CCLi16, KK23, SVZ01, Ash19, AP21, AAH24, GS19b, Van17, HW18, HSL19, Pas99, Pet95, XCLA15, Yak94]. **Analytical** [AG03, MN23a, WXQ20, YX11, AS11, ALB+18, AHC05, BC17, CS12, GPAA14, HV15, KM09, LJ11, MFK+15, MSM12, QLZX11]. **analytical-numerical** [GPAA14, HV15]. **Analyticity** [Cro03]. **Anchoring** [Hag13]. **and/or** [FHH96, GLRSG08]. **Anderson** [And19a, HS16, LZOY22]. **André** [Bre06a]. **Andrei** [DW15b, DW15a, ZDSY20]. **angle** [HDL23]. **anharmonic** [EAGS20]. **Anisotropic** [vLV02, BM24b, CTS09, CS22, LHW13, VMMD21, Yua21, ZY13a]. **annihilator** [Cou15a, Cou15b]. **annihilators** [MJF09]. **Announcement** [Ano00c]. **annular** [BQ19]. **ANODE** [BJK+24]. **anomalous** [CLTA10, CC16b, MA12, SLLA15]. **ansatz** [HM22a]. **ANSI** [DCM+13, DCMM13]. **Anti** [Bou03, AR18, Spa24, YLY12]. **anti-bisymmetric** [YLY12]. **anti-Gauss** [AR18]. **Anti-Gaussian** [Bou03, Spa24]. **antitriangular** [BK16b]. **any** [MW24]. **Anymatrix** [HM22c]. **AOR** [BH22]. **Appell** [CL13b, CGN22]. **applicability** [AH11b, AGS20, HL06]. **Application** [CDF99, CP93, CP95b, DH04, GM03, HR14, KH11, PG05, RBN14, Rec01, SC03b, TC05, AAM24, AIA+24, AWH+24, AA15, AB98, ÁCL11, ALRT16, ABK22, ABKD23, AG00, BGRS09, BQ19, BHS14, BH17, Ber14, BGS24a, Bou17, BZ18, Bru93, CJKL23, CHH93, Cro92, CBGVPP09, DPR23, DPP19, DNR15, Fly22, FDFM23, Gás99, Gau12a, Gau13a, GHP+00, HVMT17, IAAH24, Ila20, JBJB17, Jia20b, LPXX19, MMV19, MK17, MP13, MSS11, NH24, NRV23, NAE22, Orb15, Pen98, PLH20, PPR15, PR93, RVF07, Sat24a, Sat24b, SK19, USAF14, VH92, VL19, WLL12, XyJl16, XZW13, XW17, Yak95, ZHT15, ZCGS24, BE98]. **Applications** [IMT02, MAL04, PL04, dFS04, vdHS02, AHJ17, ALW98, AR18, ABT07, AMKV96, Arn97, BGR23b, BBL22a, BJNKR20, BEJS21, BF18, Ber10, BZ91, BS92, BM96, BRS08, BRZ17, CM98, Ceg24, CS24, CRV91, CK06, Dah93, DG17, DJS20, EDAH12, FLG08, GCFF95, GL23, HL17, HSY23, JS15, JLJ22, KADE18, LS14, LG08, Leo08, LWwCL13, LWLW24, LZZ19, LZX22, LSY+23, MJJ+23, MBJ17, MA15, MRS93, MM08b, MM09a, MZ19, MS11, MvS09, MA12, Oar94, OOOR12, OB16, RFS23, RB21, ROB18, SKK21, SIO20, SS11b, SKJ+18, TQY21, TG20, Tas93, TA96, TRSI23, VS19, Wal94, WZVJ22, WYP23, WZ22b, YJJ+21, ZAGD22, ZJJW24, ZLZ22, dAR06, dBGKR08, Dra96]. **Applied** [CR03a, Jay02, LM04, AM01, BM22, DW21, GS16b, HHST19, MPS20,

MS24a, PV23, PRVI20, RSZ20, SSH$^+$19a, SSH20]. **Approach** [CGN03, Kun01, MKO04, NPP04, NW04, Rob02, SR04, TDKB24, TRRD02, WHL24, AAN14, And97, ABV23, AD00, BDN17, BBO21, BQ19, BL92, BE17, Ber14, BR07a, BMS24, BN18, BWB24, CCZ23, CKS24, Cia94, CL96b, DZW17, DLC14, FPP05, FJ96, FGBP21, GPAA14, Gor18, GM96, Hal14, HZX21, HFZ19, HZX20, Kar07, KLT95, KM24b, KADE18, KE16, KV07, LAG05, LZOY22, LJ11, Liu21, LZZ23, MS92, MdR08, MFBB23, MMLM20, OL21, PV22a, PZ20, QW08, Rab23, Ria16, RB17, Sal96, Sat24a, Sat24b, SL18, ST18, ST22, SW22, SS16, SWG20, TCOA19, TCW14, VDVJB12, WZ11, WJW14, WZ22b, XCLA15, YXL18, YP09, ZHFW21, ZW20, ZE10, dFG93]. **Approaches** [MHZ05, AAB13, AE18, CB16, Kuh13, LP18, LL20c, LL22c, WMCW21]. **Approaching** [Rec01]. **Approximant** [DV01, Wen03, Van92]. **Approximants** [ACO03, Bou03, Dra02, MC05b, MC05c, AH17, BL92, BBPV12, BC00, Bre99a, BGVHN96a, BGVHN96b, CGV92, CAB22, CJTW96, DM97, GCGVH92, GMT92, IT93, Mat96, PP92, Sab14, TBA94, VB91, dDL92]. **Approximate** [AHC05, CA07, PM22, Sau07, vdHS02, AM24, ABG97, BD17b, CM99, CDD21, DBH21, EV22, FGM19, FP18, Gar24, GK20, HN94, HK14, KST21a, KST21b, LL14, LL18, MKG24, Mil20, SW00, Śmi06]. **Approximated** [GCPG99, BRY14]. **Approximately** [DLYH17, GLW13]. **approximates** [SH21b]. **Approximating** [AH03, AF94, AT17, Bag16, DV01, FGS24, Gar19, HC03, JB22, MT19, PDRG19, SR06, VBG96, Yak94, ASS11, Ash19, AP21, CM05, FRR07, GK24, LX17, SCTP00]. **Approximation** [All03, Ano95c, BG03a, CN01, CP01b, Cro03, CMP22, Dab04, GAM24, GCGF03, GLRSG08, GM03, Gro93, HL02, KLT03, Kva01, LM00, LRZ12, MN01, MAK20, PP05, PW04, PV03, RS93, SVZ05, Str02, VGM96, Wit96, ZKD02, AHM21, AMH10, AMA21, AAPR21, ALZ20, And97, ABV23, AG00, AGRT05, AAD14, BBL22a, BC06, BF20, BEJ20, BEJR23, Ber93, BK97, BG13, BM96, BM23, CCV07, CT93, CB13, CR20, CLT$^+$13, Cuy00, CY10, Dar99, Des17, Die08, Dri93, Dun94, ED22, FGJ00, FZ07, Faz23, FM19, FM93, FT05b, Gaj05, GGN14, GGNF17, GH23a, GNS22, GA20, GH09b, GH95, Gla01, Gug96, GTA19, GI97, HH11, Haj16b, HW00, HGVPA92, Hof05, Hof21, HL23b, IAH20, IDAV09, IL05, JK18, Jaw22, JSZ22, JJK97, Kal00, KJ18]. **approximation** [KR23, KM24a, KADE18, KLS17, KGN$^+$24, KLR07, LGL23, LWK12, LKW17, LXX23, LCW20, LSM16, LWZ21, Lya97, MSCB93, MRV23, Maj13, ME95, Mel24, MS23c, MS15, NCC11, Ost07, PV22a, hPwL09, PGGC97, PS22, PGC24, PS00, Prz09, Prz16, RIAA19, RS20, RS06, Reb97, Rei97, SI13, SS11b, SR22, SR24, Ste24, SWG20, The12, TV19, Thi93, THS20, VH10, VC92, WC24, Wat92, Wat93, Wat94, XyJl16, XHZ07, XLC93, YD09, YH21, ZWWW20, ZZ18, ZLCW23, ZLZ22, dBGKR08, van93, Ano92, Ano93, DH18]. **Approximations** [EKM03, Sab03, Zil01, AB99, ART19, AGG17, Ber10, But96, CS12, Col92, CT21, Ell93, ED13, FW13, GV99, GO21, GGS22, HV15,

JKNR13, JLP20, JL15, LLWC24, Lig93, LM15, Mac96, MK17, RB21, Riz18, Rob97, RRZ21, Sch14, SLA11, SHGL22, TV17, UTO07, WQL20, Xu19, YZ21, YX11, ZAGD22, Zha23, ZWX19]. **aquifer** [LCW20, SMNZ20]. **aquifers** [SFZ22]. **Arbitrarily** [ABI22, MKO04]. **Arbitrary** [BWC22, ANI+17, ABV23, VV07a, VV07b, FT14, Joh20, KKV22, SZ99]. **arbitrary-precision** [Joh20]. **arc** [FRR07, KOK21, SD20, YIY22, Yan22]. **arc-search** [KOK21, SD20, YIY22, Yan22]. **arcs** [AS08]. **area** [CKS16, FRR07, MW24]. **Argument** [Mat04, Bic24]. **arguments** [BS17, GRAST23, ZA24, ZY21a, ZSLZ24]. **arise** [FS20]. **arises** [Ila20]. **arising** [ABG97, BBO21, BC06, DI11, Fab16, FM99, GM23, GNT24, Haj16b, JH22, LM14, LXZZ21, lLHNS23, Lin98, MM99, RCW22, SGO22, SG10, SMA99, Wim00, ZZY18, ZWY22]. **Arithmetic** [ASS04, ACM04, DHL+04, KL04, MAL04, NKS04, Vig04, dFS04, vGK04, BBZ95, BMR19a, CM96, GLM15, Ihs07, Joh20, NAA19, OO22, RR23, Sv95]. **ARK** [But98]. **Armijo** [DW12, SW11]. **Arnoldi** [AHJ17, BOR23, Che04, DBGB11, FEL15, NR14, TM14]. **Arnoldi-based** [BOR23]. **array** [ZLL+21a]. **artery** [LC21]. **artery-like** [LC21]. **artifacts** [HOW95]. **Artificial** [Ano95b, JY23, CK22, LHR20, PJ22, ZP23]. **Asian** [Che22, Che24]. **ASOR** [FGC19]. **ASOR-like** [FGC19]. **aspects** [BD95, BBB+06, DL97, KBA23, Mil13, Mon01, Sal05, SGO22, ZAGD22]. **asset** [ZZ22b]. **assignment** [PV23]. **assimilation** [BH11, BGS24a, NZ19]. **Associated** [BBR03, ALV20, BEGG91, BHJTM92, BPR20, BGVHN92c, BGVHN96a, CRV91, GAM24, LM12, Mar92, PGC24, QQX23, Røn92a, SS16, VP23, YC22, ZBDK23]. **assumptions** [CMP22]. **ASTRA** [BvLP16]. **astronomical** [LP08]. **asymmetric** [JS21, JCH23]. **Asymptotic** [AA16a, BG03b, CG03, DD99, DHM12, KBP17, LMMD05, PZL15, Sab92a, Wal94, CF05, Che13, CS12, FLMR00, GEP19, LZZ24, QLZX11, QW08, Sid20a, Tem97, VH92, WQL20]. **Asymptotically** [AHR21, Bal11, CSI16, CSI17, Den14b, EM10, GMZ19, Hom98a, PKC18, PS22, SKK21, VA20]. **Asymptotics** [GG01, Han96, JNW92, Nor00, Che16a, GG08, Wil12]. **Asynchronous** [AAIT94, BMR97, CFS21, SME03, AAII96, BBP17, HD18, JRB17, SX00]. **attachment** [BM00]. **attenuation** [Ste95]. **attraction** [GHPMGRR14, Par16]. **attractor** [MMU20]. **attractors** [JMS16, KS97, PGC24, dCOS21]. **augmentation** [Cao12, LJbL21]. **Augmented** [BE98, HSS04, AHS22b, AHS22a, BRR13, BW13, FGC19, HZ15, JCL16, LZZ24, TYSY20, Wit96, XWY19]. **Author** [Ano01a, Ano01b, Ano02a, Ano02b, Ano04a]. **Automatic** [Coo03, FRJT09, HR03b, Hof16, Maj18, Mar93, PS22, PSW11, Söd02, TRRD02, CPZ14, EO94, EG94, HS96, JL12, Moo07, RC14, SL15b, SL15a, TY21]. **automatically** [OOO11]. **autonomous** [Jay21]. **autoregressive** [LDN16]. **auxiliary** [BVV14, LL22c, Sat24a, Sat24b, YK22]. **average** [ART14, AMR15, AH11b, JSZ22]. **Averaged** [DFD23, AC19, DDRS23, Fan15, MN17, Spa07, Spa20]. **averaging**

[BRZ18, BGR23b, DXY18, JS23, RZ16, TL23, XTH07]. **avoidance** [DIM22]. **Avoiding** [BS91, BRS91, BRS92, GMS99]. **axisymmetric** [CJK22].

B [AZ19a, AG19, BLS06, DLR12, Gau17b, MST03, Maz05b, Maz09b, MT06, NS01, PZL15, Rad08, Rei97, WZ19, XL14]. **B-spline** [AZ19a, DLR12, Gau17b, Maz05b, PZL15, Rei97, WZ19, XL14]. **B-Splines** [NS01, BLS06, MST03, Maz09b, Rad08]. **backtracking** [And06]. **Backward** [IM02, Pot19, TTV21, WK20, dC22, AH21, ALV20, BC16, CS24, Cho16, JCH23, LZ22d, Mil19, NBJA17, Pan18, SBG24, SB21, SCF23, SSP15, SZ20, YW17, YJ21, YLYZ23, ZWW21, ZL17]. **backward-adjoint** [JCH23]. **backward/forward** [ZL17]. **backwards** [Sza92]. **Bacteria** [Car01, SL21b]. **Bagley** [Mok16]. **Bakhvalov** [LZ23b, LZ23c, NV21, ZL22b, ZL23]. **Bakhvalov-type** [LZ23b, LZ23c, ZL22b, ZL23]. **Balanced** [CYM22, MS24a, AH15, BCL00, CMM17, HH12, Kao20, LS15b]. **Balanced-norm** [CYM22]. **ball** [ACH14, LPP21, CZH22]. **balls** [CZH22]. **Banach** [Jai17, CSI16, CSI17, CRN19, Cho16, DN24b, HM14, IAH20, Jai16, JA22, JM18b, LLL22, LCL21, MWsC19, OAMA22, PG12, PDRG19, SSS14, SIE16, SC18, SCS18, TAM21, Tak17, TB19, THT19, VA20, WGK11, WKG11, WK12, WK17, XCD23, YAT20, ZG12a, ZG12b]. **Band** [BO03, SC03a, ANI+17, AAAGAD23, DS12, FC01, Laz99, RSCH+19, Soo15]. **band-limited** [AAAGAD23]. **Banded** [BM12, IMT02, JBJB17, AAAA+18, DMT13, DPP19, EG19, HN94, JRB17, KD14, WSLL24]. **Bandlet** [MP07]. **bandlimited** [Gor18, IP16]. **Bandwidth** [DR01, FLT09]. **banks** [Tur94]. **barrier** [CWZ13, Khe12a]. **Barycentric** [Bal11, JKK+08, Tia21, AH21, AAP24, Ber93, Ber00, Hof21, LC14, LX23]. **Barzilai** [HLZ14, HL15b, LLS11, MR96, MPB16]. **base** [KC23]. **Based** [CR02, CPV04, Dos03a, GPP01b, KPFG04, MT04, WDY04, dADdRC04, vGK04, AD22, AHP20, AH21, AF13, AZ19a, AKB15, AK15, ABKD23, AT12, ASGJ+20, AE18, AAD14, AGG17, AKT15, BKFMA11, BZ13, BBQO07, BF20, Bra96, BN18, BOR23, BWB24, BK08, CWZ13, CR12, CW19a, CJSZ14, CK05, CF05, CM16, Che16a, CZM21, Che19, CJKL23, CDS20, DDS93, DWZ14, DW24, DG17, Das19, DP21, DR07, DMW23, EH97a, Erb15, ES19, Fan22, FGM19, FLV14, FM93, FC01, FYI+12, GHM16, GLLJ12, Gar20, GWW15, GS14, GS16a, HP18a, HHHN07, HMdÁES08, HA16, Hof21, HFDSC24, HST15, HS15, ITA24, IDS16, IS17, IMT23, JL12, Jaw22, JXX+23, JHLL15, KST21b, KLT95, KMZ18, Khe12a, KH20, KBA23, Lev95, LLS11, LY17, LHZ+21, LD21, LLY22, LZ22c, LPRÁ24, LX23, LDZ24, LZL22]. **based** [LZL23, Lin01, LYY12, Liu11, LYL15, Liu21, LL22c, LTP18, Loh22, MKG24, MBG19, MdR08, MRS93, MR12, MT13, MT14, MG20, MG21, Mez22, MNS23, MS23c, MSZ20, MN22, MN23c, NAA19, gOM14, OL23, OKB23, PKR20, PSWE23, PH14, QXGZ20, ROB17, REM21, RWTW19, Sad99, SKK21, SAE19, SL16, SL18, SB21, SW10b, SWS22, SJ14, SJW21, SR24, Soo15, SA23, Str05, SLL22, TY96, TA13, TD09, VH12, VZ93, VDVJB12, WT08, WL22a, WD23, WC24, WZ22b, WL00, WPL18, WCD21,

WL22b, WZ23b, XYZ14, XCLA15, XW17, XZP+20, XSL22, YD09, YP09, ZRZ11, Zha11, Zha15, ZD15, ZSF18, ZLWZ21, ZY21b, ZZ22a, ZLL21b, ZY13b, ZLV17, ZV19, ZV21, ZZLV23, ZLLC11, ZLZ22, DF01, KST21a].
Bases [Osw01, CT21, DLR12, GS16a, LM00, Liu11, MPR22, MPR24, Maz99, Maz05b]. **Bashforth** [MG11a, MJ20]. **basic** [AAH18]. **basics** [HM22a].
basins [GHPMGRR14, Par16]. **basis** [Bar13, BZS22, Bro05, BX19, CKP19, CLMM05, DS09b, Dze15, HM06, KMA13, KP22, Low05, MMV17, Mel10, Nar05b, NJ13, Pea13, TS18a, UTO07, WZ15b, YH97, ZJ08, ZZL17].
Baskakov [MP14]. **BB** [KP09]. **BB-form** [KP09]. **BBVMs** [ZY21a]. **BCP** [LZM23]. **BDF** [EG10, Eba18, Hea10, HWZ24, MWZL23, WLZ22]. **BDF2** [MS24a, SZ23, YSLL23]. **be** [Cat24a, Cat24b, ICR06, JB22, TM20]. **beam** [QLZX11, ZP23]. **Beavers** [DMW23, WDL23]. **bed** [CDF99]. **behavior** [Bel99, KBP17, Meu20, MT23, TM14]. **Behaviour** [KZ03, AA16a, KGN+24, Sab92a]. **BEM** [ADL05, ADG10, AEF+14, VMMD21]. **BEM-Fading** [VMMD21].
Benjamin [ZJZ20, ZLS24]. **Bernoulli** [BBQO07, CD01, Rab23, ROB17, ZP23]. **Bernstein** [Bar13, BZS22, CAV23, CW21b, DPS18, Dra00, DMS09, GS16a, Her96, IR13, JBJB17, KADE18, LWAG08, Mah10, MPR22, MMV17, Maz99, Maz09a, MAK20, Not08, Ost07, Pej14, TS18a]. **Bernstein-type** [Maz09a].
BertiniLab [BNN16]. **Bessel** [BBZ95, HGVPA92, KXXW21, LM08, Mül00, Saf10, SS23b, SH23, ZAGD22, ZuI19]. **Best** [GGNF17, GH95, Van92, Zha95, AHS22b, AHS22a, BDIR18, Car91, ED22, GH23a, Hof21, IDAV09, IT93, Kow00, VC92, Wat92, Wat94, Zha23]. **beta** [GST17, KSV23, YA24]. **better** [GTA19, ZLLH22]. **between** [Cha14, DHS09, FLV14, Her96, MdR08, MSM12, TAM21, Wen92, YZH21, ZS19]. **beyond** [BM09, OIM21]. **Bézier** [CFR06, GS16a, GLW16, LWK12, LKW17]. **BFGS** [AIA+24, AB99, And18a, And22, BKFMA11, BK16a, BKA19, Deh20, LZ22c, LL07, Liu14, LTP18, VL19, WZ23b, You16, YLL22, YZLC24]. **BFGS-based** [WZ23b]. **Bi** [YWWR12, BC94, CBGVN07, PLVB11, SvF94]. **Bi-CG** [SvF94]. **bi-conjugate** [BC94]. **bi-objective** [PLVB11]. **bi-orthogonal** [CBGVN07]. **Bi-parameter** [YWWR12]. **bias** [MG22, YCW+19].
bias-compensated [YCW+19]. **bibliography** [Gau07]. **BiCGStab** [GM02, Sv95]. **biconfluent** [FS16]. **biconjugate** [ZD15]. **bicubic** [Bia94, CLaL00]. **bidiagonal** [CDW95, NIN12, YKY15]. **bidiagonalization** [BR06, BPP23, BJNKR20, JL21, JXX+23]. **bidiagonalization-based** [JXX+23]. **BIEs** [MSS11]. **bifurcation** [Bea98, CCJ99, Smi97].
Bifurcations [ARJ03, JJK97]. **Biharmonic** [AEG02, AB06, ALZ20, Bia12, BFKM20, BFK22, DG17, Gás99, HS21, LY18, LKK21, MK17]. **Bilevel** [ARSS19, dSCS04, Anh19, AT21, TQY21, TTLD20]. **bilinear** [WSZ21].
binary [GI10, KZ21, Str05, XCY21]. **binomial** [ASVC21a].
Binormalization [LG04]. **Biographic** [All08a]. **biomechanical** [AB98].
Biorthogonal [Ise96, Laz99, Bre99a, IN95]. **biorthogonality** [Da 92].
Birkhoff [BDS00, BCGVS11, GM92b, MT18, NB16, dS00, dDS00, dBD05].

birthday [BJK+24]. **Bisection** [PL99, El 18, Mer92]. **bisymmetric** [hPwL09, YLY12]. **Bivariate** [CH95, CGN22, GM92b, Par16, PS01, SVZ05, ASV23, ÁFP07, AP21, CG05, CAB22, DL08, Len93, MMV19, Sch08, Thi93, VC10]. **BKM** [DR04]. **Black** [AWL+24, Cia94, KN23, Val14, Val15, ZZ22b]. **BLAS** [CCZ23]. **blender** [CKO24]. **blending** [BDIR18, Zhu21]. **Blind** [DMT13, CPN14]. **Bloch** [CCJC18, Pas99, SYLT14]. **Block** [Bre02, BZ02, DM21, DP01, EJR02, GL04, GGV02, IS17, Jbi03, LS03b, LM21, NJ13, TT21, ZS08, AEH20, AHJ17, ALJLYJ24, Bag00, BR06, BCW13, BL23, BH22, BC06, Bel08, BH92b, BP19, BHS23, BK16b, CR99, Cao12, CW19b, CH22, CK06, DW24, DS12, DDRT97, EHTSM21, FP18, FDV13, Hem94, HL17, HM19b, Hua20, JSF13, LRC19, LZM23, LLWC24, LZ16a, LZ19a, LA22a, LZ19b, Lin01, LSW16, LXQ15, Lun23, LZ22d, Meh11, NK16, RKMS16, RR20, RN21, Saa23, SS99, ST22, Sol23, Soo15, SW24b, TL23, Uhl22a, Uhl22b, VL19, WGZ18a, Ye96, ZD17, ZFG18, ZWY22, JCF15, CO94]. **block-centered** [LRC19]. **block-decomposability** [Uhl22a, Uhl22b]. **block-diagonal** [BL23]. **block-diagonalize** [Bel08]. **block-Lanczos** [CR99]. **block-tridiagonal** [Hem94]. **blocked** [CK20]. **blocks** [Hem94, HL17]. **Blossoming** [AH17, AHM21, GS19b, Maz02, Maz05a, FJ96, GS16a]. **blow** [Cho17, HZX20, QL12, WYZ22, WWL24]. **blow-up** [Cho17, HZX20, QL12, WYZ22, WWL24]. **blowup** [CD15]. **blue** [FS21]. **blurring** [ED13]. **BNS** [VL19]. **Bodies** [Mar04c]. **Body** [Sha02, Lor19, PPR15, Sha19]. **Boltzmann** [FEK+23]. **Bona** [ZJZ20, ZLS24]. **bond** [CS12]. **Book** [Ano95a, Ano97, Ano98a, Ano98b, Ano98c, Ano99a, Ano99b, Ano99c, Ano99d, Ano00a, Ano01c, Ano01d, Ano01e, Ano01f, Ano01g, Ano02c, Ano03a, Ano04b, Ano05a, Ano06, Bre96, Bre97b, Bre97a, Bre97c, Bre97d, Bre00b, Bre03b, Bre06b]. **Boolean** [ALW98, BD95]. **Bordered** [DM21]. **bordering** [CD96, CM99]. **Borges** [TS18b]. **Borwein** [HLZ14, HL15b, LLS11, MR96, MPB16]. **both** [ASZ23]. **Bound** [AAAS03, DR01, Dos03a, GA20, LPGL16, MT23, Odl00, PYD23, SZ24]. **Boundaries** [KGD03, GK24, KZ21, ZLLH22]. **Boundary** [AKW02, AKKW03, Boy05, ED05, FHH05, GPHAPR24, MT04, Nac03, NMM18, RS06, SC03a, SA23, ALQ17, BK18a, ATM19, Ahu09, AR13, AHC05, ABL...12, ABI20, ACH19, AKPW05, AKQ17, Bac18, Bac20, Bac21, Bac23, BD17a, BQ19, BBB22, BKF20, BFK11, Bic24, BSF17, BCI14, CS99, CW14, Che24, CH11, CK22, CD07, Cro92, DD20, DD21, DMC20, DL21, EH97b, EM07, FY13, FHAL15, GD15b, GX19, Ghe13, Ghe16, Ghe18, Van12, HJB18, HCL21, JL12, JP14, JWY21, Kar15, KCHD16, KS12, KKS22, Kun05, LJ11, LZ09, LS15b, LSW16, LLC20, LM21, LRM16, LKKM15, LHW13, MS20a, ML20, MKA14, MMW20, MFK+15, MO19, MN08, ML10, Mot14, NZF11, NM14, PJ22, Rad08, RS20, RR20, RGJ10, RT19, RB17, SCF23, SSH19b, TS18a, TBY13, TPLB22, VT10]. **boundary** [WZ19, WCM94, XWX24, YSLH19, YH21, Yse99, Zah09, ZE12, ZA20, ZJ08, ZW12a, ZZY18, ZBX21, ZZ23, ZFX14, ZXLF15, ZS22, ZP23, ZZB20, ZS19, ZS13].

boundary-domain [RT19]. **boundary-layer** [Mot14]. **boundary-type** [CD07]. **boundary-value** [Bac18, Bac20, Bac23, KS12]. **Bounded** [LER03, PW04, Ber10, Coo09, Gaj05, Mül00, OKB23, ZLH22]. **boundedness** [Lóc18]. **bounding** [CR23]. **Bounds** [ADGP15, CRS04, Kol06, MW16, AH13, CMRS00a, CLWV15, CCL16, DLL12b, DLL12a, DLL13, Des17, DH18, DPS18, DBGB11, GWL18, GEP14, GEP16, GEP19, GS14, IDS16, JLMP16, JLP20, KG23, KK22b, LZ14, LS15a, LL16, LDL17, LZ18a, LCVL18, LWG18, LL20a, LYH$^+$20, LZX22, MS24a, Meu97, Meu99, MT13, MT14, MT19, PV22b, Pej14, PCDH20, RG10, Rum14, SS98, WW19, Yal01, YKY15]. **Boussinesq** [Bra07, HEOS04, LZW20, Nat07, SW14, SLT20, YSLL23]. **Box** [Góm01, KM04, HMS96, JJ24, KP09, Kim21, Kob97, KLB10, Lai92, LWM10, SEG14, Yan22, de 93, CFR06]. **box-spline** [Kim21, CFR06]. **box-splines** [KP09, Kob97]. **bracketing** [FLMR99]. **brain** [Ila20]. **Branch** [VR04, LCW21, PYD23]. **branch-and-cut** [LCW21]. **Branch-and-Prune** [VR04]. **branched** [WQ10]. **Bratu** [KPA20, RMT13]. **Brauer** [San19]. **Brauer-type** [San19]. **Breakdown** [CM96, BS91, BRS91, BRS92, BZ94, DL97, GMS99, Jia20a, TY96]. **breakdown-free** [Jia20a]. **Breakdowns** [GM02]. **Bregman** [Alt21, BPR21, CE94, GZD24, KS23, Ngu16, XCD23]. **Brent** [Hua94]. **Brezinski** [CHHL18]. **bridge** [CFM15]. **Briggs** [AM12]. **Brinkman** [YJ18]. **Brown** [Hua94]. **Brownian** [CFM15, LD20, NT21, QQX23]. **Broyden** [Man21, Som05]. **Broyden-like** [Man21]. **Bruijn** [Odl00]. **BSDEs** [PKR20]. **BTTB** [LW12]. **bubble** [CJKL23]. **bundle** [LPXX19, LXP20, MN22, MN23c, PW22]. **bundle-based** [MN22]. **Burgers'** [KK22b, MP22, ZQzS22, AZ19a, AH18, Hei07, MDL15, PV03, RK11, ZLS24]. **Burmeister** [ZLLC11]. **Busemann** [Bag16]. **Butcher** [BJK$^+$24, Kha13]. **BVODEs** [EM10]. **BVP** [Fab16, PSW11]. **BVPs** [AK12, Ghe15, MS13].

C [Kub23, OBAHK$^+$19, Ple03]. **C.B.S.** [AAAS03]. **C1** [CDF99]. **C2** [FKMS01]. **C90** [DCM$^+$13, DCMM13]. **cable** [LDL$^+$19, ZLTA16]. **CADNA** [Tou98]. **CAGD** [PMO05]. **Cahn** [ASGGRG23, BVV14, CS22, CLPY23, HZX21, LZM23, LGC24, LS20, SZQS23, SZ24, ZWWW20, ZYQ$^+$21, ZY23, ZQS24]. **Cahn-type** [LZM23]. **Calculating** [KKK22, Coo09]. **Calculation** [Lau07, ZA24, BDL$^+$12, EAB20, MVV05b, Pet01]. **calculations** [CL00, HK14]. **Calculus** [vGK04, Gha16, Loh22, OB16]. **Calderon** [BBB22]. **call** [ZLT$^+$17]. **Camassa** [YYW21]. **Can** [GR01, MKO04, Cat24a, Cat24b, ICR06, TM20]. **cancer** [DJM$^+$18]. **candidate** [KKV22]. **canonical** [AAAGAD23, EDAH12, KW00, MdR08]. **cantilever** [QLZX11]. **capacitance** [ÁCL11]. **Capacitated** [CSFC04]. **capacity** [LNS23]. **capillarity** [Wit96]. **capturing** [AC17]. **Caputo** [BZV16, Die08, DN24b, GK21, OCWV24a, OCWV24b, SLA11, VLCL16]. **Caputo-type** [Die08]. **cardiac** [GS19c]. **Cardinal** [Sun94a, TM05, AA15, Gau17b, Mil17, Rab92b, Rab92c]. **cardinality**

[XP23]. **cardinality-constrained** [XP23]. **Carlo** [Mil20]. **cascade** [Dur93, MB09]. **Cascadic** [MClXzJe16, MRS10, WL22a, XH20, YZ11]. **Case** [CP01a, Rev03, BDL+12, CM98, DL97, Gau11a, GS21, HL06, Len93, Leo07b, Leo08, Mah10, MP13, Ost07, Smo99, Thr92]. **cases** [GGN18, Ste20]. **CAT** [LP18, PKC18]. **Categorification** [Gla04]. **Cattaneo** [RhG15, Wan19, Wei18]. **Cauchy** [BV93, BK18b, BCJ22, BM24b, CMD19, CS08, Fas23, JN99, LKK21, Mel24, VMMD21, XZW13, XLG22, YHZ20, ZBDK23, ZW12a, ZW14, ZZ19]. **Cauchy-like** [Fas23]. **Cauchy-polynomial-Vandermonde** [YHZ20]. **caused** [Mot14]. **cautious** [LL07]. **Cayley** [Coo09]. **CBC-based** [GLLJ12]. **CCD** [He16]. **Cebysev** [Ber93]. **Cell** [AMR15, BDH+13, ART14]. **cell-average** [ART14]. **cells** [DJM+18]. **center** [Saf10, ZCS14]. **center-Hölder** [ZCS14]. **centered** [LRC19, WSLL24]. **centering** [KH20]. **Central** [GC04, CKP22, GST17, KSV23, LC21, iV12]. **central-line** [LC21]. **Centrality** [DMR21]. **Centro** [HR03a, LRT19, lLhYfD07]. **centro-invertible** [LRT19]. **Centro-Skewsymmetric** [HR03a]. **Centro-Symmetric** [HR03a, lLhYfD07]. **centroid** [Ron08]. **centrosymmetric** [GNT24, LHZ10]. **century** [Ste20]. **Certain** [ED05, SK04, CBGVPP09, CS08, KST06, Lu15, NW17, RA12]. **Certified** [Kie23]. **CEV** [YW17]. **CFD** [MHZ05]. **CG** [BH22, LP08, MT19, MPT21, MT23, PT24, Rah11a, SvF94, TT21]. **CG-like** [PT24]. **CGME** [Jia20b]. **CGS** [BS91, BZ94, CM96]. **chain** [GM23]. **chained** [LL16]. **challenging** [Gau08a]. **change** [Ari98, CMR93, FJT94, LEK21]. **channel** [MSMS12]. **chaos** [AE18, BK97, FM19]. **chaotic** [DJM+18, GNH10, PGC24]. **characterisation** [BCM19]. **characteristic** [ALW98, HZPW23, LDX23, LZ18c, Zha19, ZYJY22]. **characteristics** [BEM99, HHST19, Hu22, Si12]. **Characterization** [Bar91, KAL22, KGD03, CG09]. **charge** [LNS23]. **charged** [ZLQT19]. **Charlier** [HSL19]. **Chebfun** [AMR23]. **Chebyshev** [ABI23, Ano05b, AM16, AS14, Boy05, CCTV16, CKKT16, DG05, DDRS23, Dri93, Dze15, Fun01, GGNF17, Gem97, GS14, GI15, Gla01, Gu20, Gug96, IT93, JVH15, KD14, KSCS08, KL06, KRS19, KGMH21, KP03, LMM97, LL05, LSW16, ME95, MC05b, MC05c, Mas05, Maz09a, Meu09a, Mok16, Not95, OPSM22, Pet95, PG05, REM21, RS97, Rob98, Sar06, SW14, SS12a, SH17, SSP15, SVZ05, Som05, Spa24, Tas93, Thi93, WK13, WK14, WK15, WLJ24, WRM17, WK93, ZJZ20, Zha23, dR99, dAR06, dC23]. **Chebyshevian** [BCM19, Maz05b, Maz09b, Maz11a, Maz11b, Maz12, Maz18]. **Chelyshkov** [NRV23]. **Chemical** [KV04, BWB24, Hol98, MB09, San14]. **Chen** [GNH10]. **Chipot** [KKPT16]. **Choice** [Alt21, AL15, BKA19, BVV14, BL95, CHK14, HRY16, HRY19, LKK21, RR13, Van92, YHS18]. **choices** [HM22a, HJ21]. **Cholesky** [BKS13, Bre06a, DDRT97, TT06]. **choose** [FEL15]. **Choosing** [CMRS01, CKL16, FZ07]. **Christoffel** [Mas95]. **Ciarlet** [LS20]. **CIR** [YW17]. **circle**

[BCM07, BPR20, BGVHN92b, BGVHN92d, BGVHN96a, BC09, BSL18, CGM12, CMR16, DHS09, GHM08, JK18, MP08, MA95, VM17]. **Circles** [Mar04b, DHS09]. **circuit** [CDS20, Pen98]. **Circulant** [CO94, DNR17, FNS19, HW18, Lin01, Lu15, vdMRS06]. **circular** [AS08, ALZ20, HM06, Kar13, Kar15]. **circular/spherical/elliptical** [ALZ20]. **circumcentered** [BOW21, BBCS21]. **circumcentered-reflection** [BBCS21]. **Circumcentering** [BCS18]. **Civil** [CCK04]. **Clarke** [SR06]. **Class** [All03, ABQ04, DL03, GPP01b, NS01, Rec01, AD22, ALY22, AE09, AH15, AAH18, ATT22, Arg10, Bai97a, BH22, BHT16, CCJ10, CP95a, CZ20, CRN19, CKKT16, CRHTV24, Cro92, DS20, DZH23, Eba18, EY10, ES19, Fan22, FT24, Gar20, GS95, HH12, HT19, HSE16, Hie19, HL23b, HZ15, HM18a, HM19a, Hua20, IY15, JWCZ21, JSZ22, KMH24, KS18a, KNBGV18, LYW14, LY17, LM19, LLY22, LZ16a, LA22a, LT20, LHL11, LPP21, LSSS15, LZ22d, MN23a, Maj14, MM08a, MM12, MS01a, Maz11b, MG21, MN08, NLT21, NEMS14, RS20, RA12, RB17, SCDM20, SS24b, SH21a, Spa20, TTXZ23, USAF14, VSA12, WG13, WK15, Wan15b, WYP23, WL24, Wat92, Wat94, WZS14, WL17, XLW20, XZP$^+$20, YWX14, YBK$^+$21, Zah09, ZYW21, ZWXX24, ZH23, ZZZ22, Zhu21]. **classes** [Gau10, IAAH24, KCBT21]. **classic** [Eft15a, Eft15b]. **Classical** [FPP05, LW04, dB07b, BD17b, FLV14, GAM24, LGA$^+$00, LM12, MM08a, Wal94, Yak95, dC23]. **Classification** [Bre03a, CG09]. **Clenshaw** [MC05c, SVZ08, SH21b, SH22]. **Clifford** [Rob92]. **close** [Iid24]. **Closed** [CS08, AAAA$^+$18, Ber93, Zas22, ZLLH22]. **Closed-form** [CS08]. **closest** [BE17, MHR23]. **cloud** [XW17]. **clustered** [NP22]. **Clustering** [KPFG04, ADL05, And18b]. **CMRH** [AEH20, Dum13, DHMS16b, Hey01, Sad99]. **co** [Erb15, Mar92]. **co-dilated** [Erb15]. **co-recursive** [Mar92]. **coagulation** [Str05]. **coalescence** [OKP21]. **Coalescing** [DPP19, DPP22]. **Coarse** [Yse99, Cal20, LC21]. **coarsening** [FS21, Not22]. **Cocoercivity** [MG22]. **coconvex** [NCC11]. **cocycle** [KS97]. **Code** [AKKW03, DV01, BCJ99, DMC20, Moo07]. **Codes** [CMR03, CMR93]. **codimension** [GH23b]. **Coefficient** [ABQ04, BCW13, BQ19, BK13, DP16, GD15a, HFDSC24, KS06, MD15, WZZQ24]. **Coefficients** [CR03b, LW04, SVZ01, WDY04, AK12, ASVC21a, ASVC21b, BK18b, BHS17, BEH24, DHMS16a, DL09, FYYW19, FHV15, Gau09d, HP18a, Ixa19, Ixa21, Jat15, KL22, LGA$^+$00, Lie00, Lóc18, MdR08, MdR13, Moo20, MAFN16, Pet01, PP92, Riz18, SL18, SS14, Ter22, TPLB22, VC10, Wan15b, Wim99, Wri95, ZW14]. **coercive** [GM20]. **cognitive** [XW17]. **coherent** [MPC12]. **cohesiveness** [But15]. **Coiflet** [AK12]. **Coiflets** [YXL18]. **coiled** [BQ19]. **collection** [HM22c]. **colliding** [KN21a, KN21b]. **collinear** [Ari98]. **Collocation** [AKW02, AKKW03, BK04, DM03, Fun01, HSZ03, ZXF14, AB06, ATM19, ASS13, ABI23, BB14a, Bhr16, Bia94, BK13, BF17, BFKM20, BFK22, BCI14, CKP19, CS99, CCD10, DFJP10, Fab16, FHS12, FH15, Ghe13, Ghe16, Gu20, GK21, Han22, HM22a, HM22b, Hei06, KP96b, Kar13, KR11, LM21, ML20, MH21, MH23, MD21b, Mic23, Sal17, SCTP00, SCDM20, WZ19, WLJ24].

color [DMZ20]. **coloured** [ZYW17]. **Column** [NK21, EHN17a, EHN17b]. **column-action** [EHN17a, EHN17b]. **Column-oriented** [NK21]. **columnar** [YSLH19]. **columns** [MP92]. **Combination** [You16, BCJ24, HHHN07, WHD22]. **combinations** [FHH05]. **combinatorial** [Wim00]. **combined** [FT05b, HPS13, LDL$^+$19, MClXzJe16, YZ23, ZYGQ17, Zha19]. **combining** [BF93, LZ18a, NB16]. **Comment** [AAFL23, Don16, ZDSY20]. **Comments** [And19a, CB16, DW15a, DW15b]. **common** [Den14b, FGM19, LCL21, PKC19, PKC18, PPPN23, RZ16, RT20, RT22, RTTH22, SDMMK18, TAM21, Tak17, THT19, ZH19]. **communicability** [EHNR23]. **commutative** [Sal94, YBK$^+$21]. **commutator** [CO19]. **commuting** [MZ99]. **Comonotone** [NCC11]. **Compact** [Che24, MA13, BKF20, CMWP20, Cui13, DMA09, DZ13, DW22, KM24a, KMV17, LlLZ21, LKQ23, LCW23, LZW20, LNS23, LJbL21, MClXzJe16, MDL15, QQX23, RSCH$^+$19, SzS21, Wan15b, Wan19, YJX15, ZP17, ZQzS22, ZZB20]. **companion** [FDV13]. **Comparative** [CN17, SS12b]. **Comparison** [AFN16, AFN17, HR03b, Sab91, SU14, ANA14, BBBC20, CS12, FLV14, HMS96, MP00, MFPG07, PZ20, WZC23]. **Comparisons** [Zha23]. **compensated** [YCW$^+$19]. **competitive** [MAS17]. **Compiler** [ASS04]. **complement** [BBL23, Cao12, ST18, TA13, Zaf22]. **complementarity** [AJMP11, AM18, AM13, BD06, BZ13, CW19a, CLWV15, CHK14, DLL12b, DLL12a, DLL13, Don10, Fan22, GWL18, GEP14, GEP16, GEP19, HT16, HLZ14, IJSS16, JSZ22, JRRS08, KMZ18, Ke21, Khe14, Khe16, LLS11, LZ14, LL16, LY17, LDL17, LL20a, LYH$^+$20, LZOY22, LLY22, LZL22, LZL23, LHL11, LZX22, LWZ21, MG20, MG21, Mez22, Nie93, RWTW19, SWS22, SW24a, SG17, SG18, VPA24, WCW20, WPL18, WK20, WL22b, XZP$^+$20, YSXY19, Zha11, Zha15, ZZY18, ZY13b, ZLV17, ZV19, ZV21, ZZLV23, ZLLC11]. **Complementary** [CDD13, EL08, Zag24]. **Complete** [Caç10, KM13, LP18, NV21, Sut09]. **Completely** [MP22, Xu19]. **completion** [Dax17, DC17, GS19a, GWW15, LHZ$^+$21, NH24, WC23]. **Complex** [FKMS01, FH04, GST02, GJVW24, IMT23, JM93, Mat04, MKO04, Neh04, SS01a, ZZ17, AMH10, AMA21, ANA14, BBC11, BOP98, Bel99, BKS13, BPV13, CL11, Car95, CC16a, CW19b, DG17, DS20, DM92, FHH05, FLV14, FM93, For21, For22, FDFM23, Har20, HSE16, IS17, IT93, JLMP16, Joh20, LYW14, LM19, LA22a, LZ19b, MP08, PR93, Reb97, Ree92, Riz18, Sas93, SS01b, SSH20, WGZ18a, WZVJ22, WL17, XW18, XLW20, YWX14, ZA24, ZD17, ZFG18, ZYW21, ZJJW24, ZWXX24, ZM16, ZZZ22, ZCG15]. **Complex-extrapolated** [ZZ17]. **complex-symmetric** [WL17]. **Complex-Valued** [Mat04]. **complexes** [FS20]. **Complexity** [AG15, CWZ13, Cor02, PH14, AG19, Ber00, GS21, KD14]. **complicated** [JYLC21, Yse99]. **component** [BDL$^+$12, CHS19, HNY$^+$18, PGGCGF11, Ter23]. **component-by-component** [BDL$^+$12]. **component-wise** [CHS19]. **components** [LNS23]. **Componentwise** [AMKV96, Rum14]. **Composite**

[BE03, GS14, AABTB23, BC94, CS94, HL15b, LX24, RW06, Wan24, ZZZ20]. **Composition** [McL02, BC05b, BC01a, CHMT10b]. **Compound** [KM09, HKKN12, MK94, MK97]. **compressed** [HLL22, LWLW24, MJJ+23, SIO20]. **compressibility** [JY23]. **Compressible** [Jan03, CL00, GB21, HMS96, Hu22, KLB10, LRC19, LCW20, Son93, YZ23, ZYGQ17, Zha19]. **Compression** [DV01, Som05, ART14, ALRT16, DF93, DBV23, FT05b, LHR20]. **Computable** [CMRS00a]. **Computation** [CGL01, CJTW96, CCK04, DVJBN03, DMRT03, DI11, DGST15, EDAH12, Esp05, EAGS20, FH04, FLH04, GRAST23, HR03b, INR01, JC04, LS03a, Lor95, MZ99, Sab03, SER02, YA24, AM24, ALW98, AM98a, ASVC21a, ASVC21b, Bec96, BBL22a, Bel94, BBP17, Bin96, BMV09, BZ91, BGVHN92a, BC09, BGZ20, CR00, CC07, Car95, CBGVPP09, DN24a, DHS97, DG94, Eba18, EGG08, EL01, FT24, FRJT09, FLV14, FC01, Gau11a, GH09b, GST21, HPS97, HMS96, Ixa21, Joh15, Kar00, KV00, KHM20, LZ12, Luc06, MdR08, Meu97, Meu12, Mil17, MK94, MK97, NZ19, OR17, POP17, Sas93, SS23b, Sto93, TBY13, TM10, Uhl09, VB91, YZ17, Zag24, dC22, vdMRS06]. **Computational** [BD95, Cor02, Cuy00, DH04, Ste20, WLL12, ZAGD22, dSCS04, ABG97, ALZ21, BHS23, BZ18, DSI11, DP21, DEM94, ES19, Jai16, Jai17, JCF15, Mil13, MMLM20, Mon01, MWWY13, SGO22, WCB15, Zas22]. **computationally** [Liu11, Yan18]. **Computations** [CR03a, Gla04, ARY17, BESC22, CHYZ98, CM98, CFL19, FT05a, GS14, KFK+24, KM09, MT98, MPR22, MdR13, Tsi07, YHZ20]. **Compute** [WH04, AT19, GJV17, HYW20, HN16, Jia06, VC10, Van07]. **computed** [ICR06]. **Computer** [ARJ03, Reb97]. **computerized** [NAE22]. **Computers** [IM02, PH20, Con93]. **Computing** [AA12b, BM19, BBPV12, BM06, BIM+23, BS04, CKO24, DY93, FS20, FHV15, GST02, GST03, GKS04, Gra03, HS03, Joh20, KP96a, LMV23, LNS23, LER03, MT06, Sch08, Sut09, TA96, Wal06, AT12, AHL20, BH92b, BK16b, BSB23, CDT10, CE17, CHHL18, Che94, Eft15a, Eft15b, EG19, ED22, EEM20, FGM19, FDV13, GLM15, GI10, GLC22, HHST19, HS16, HIK17, HJ21, IT93, Iva17, Jia20a, JXX+23, LMV24, LLZ18, LZ22a, MGL20, Maj18, MVV05a, MSS18, MEJS19, MS23b, Meu99, MT13, MT14, Mül00, NIN12, Saf10, SL18, SS12a, SS12b, Sol15, TLD22, Vep08, WHS23, ZJJW24]. **Concave** [KPFG04, JWCZ21]. **Concepts** [dFS04, Cha14]. **Concerning** [CJ04, dB07a]. **concerns** [SPV20]. **concurrent** [BBP17]. **condensed** [Bos21]. **Condition** [MZW20, TDKB24, And10, ACH19, Bag16, CWL16, CL10b, DL21, Dea15, DS09b, DBV23, DWX17, DP16, DMW23, FGP91, Gon16, GO21, KP96a, KKS22, KN21a, KN21b, LLC20, LJ22, MKA14, MV17, Ovi22, PJ22, Pie96, SA23, WK12, WSK14, WK14, WK16, WK17, WDL23, XWX24, XP23, YYZ22, Zha20, ZBX21, ZW22, ZP23, ZLWQ09, ZCS14]. **conditional** [GO20]. **Conditionally** [Str02]. **Conditioned** [RST03, Ant22, BJNKR20, DHS97, Ria16]. **Conditioning** [CS18, DP01, MT04, Ant18]. **Conditions**

[CG03, ED05, KPT03, Mat01, Ahu09, AABM17, AH09, AH11b, AKQ17, BKF20, BSF17, CK22, DDP14, GZ20, Ghe18, GLV05, HVM15, Jay21, JP14, Kar15, KCHD16, Kol06, LAG05, LG08, LZ09, LLL22, Lin05, MS22, MFK+15, MSZ20, MKS18, TBY13, WK15, WZ19, YZY+14, ZYW17, ZS22, ZS13]. **conduction** [BM24b, GD15b, MS14b, VMMD21, WXQ20, ZLH21]. **conductive** [dOS07]. **cone** [GNT24, KMZ18, SMZMA18, YYL15]. **cones** [LZOY22, YZLP16]. **conference** [BV96]. **confined** [SFZ22]. **confirmation** [ZQL+19]. **confluent** [AGS08, GRAST23, POP17]. **conformable** [CCTV23]. **conformal** [PTW22, Tru24]. **conforming** [KP96b]. **Congress** [Ano92]. **Conic** [FM04, TO21]. **conical** [DGST15]. **conjecture** [KM13]. **Conjectured** [GL07, Gau08b, Gau09c, Gau09b, Gau11b, Kou07]. **Conjectures** [CD00, LR14, MS22, dB07a]. **conjugacy** [CL10b, LK20]. **Conjugate** [Ben99b, DLL04, WZ16, WSY04, AF23, AK19, ABK22, ABKD23, And08, And10, And14b, And15, And18b, AK00, BKFMA11, BKG15, BC94, BGS24a, BF14, BE20, BE98, BF99b, BK08, CMRS00a, CS94, CL10b, DW12, DW15a, DW15b, DMA19, Don16, FHH96, GS14, Haj16a, HM18b, JLJ22, JM93, Jón93, LM97, LLL18, LZ22c, Liu11, LWQR15, LSY+23, LTP18, MJJ+23, Meu97, Meu99, Meu05, MT13, MT14, Meu20, Meu23, NH24, OAR22, PPPN23, Pla99, SLL22, SLL23, TTXZ23, WYP23, WHS20, YCL17, YHS18, YJJ+21, YWS20, Zha09, ZW12b, Zha20, ZWG18, ZLL21b, ZDSY20]. **conjugate-gradient** [FHH96]. **conjugate-gradient-type** [OAR22]. **connected** [DM98a, ZLH22]. **Connecting** [SER02, DFK97, LZ12]. **Connection** [MdR08, MdR13, Wim99, CLaL00]. **connections** [MKG24, Tov97, Tov98]. **connectivity** [CL96b]. **conquer** [KKM20, MVV05a]. **consensus** [Wan24]. **conservation** [AC17, Sar06]. **Conservative** [CG20, CJKL23, HZPW23, HVMT17, LRC19, LHZ20a, LKQ23, LDX23, WH15]. **conserved** [LZM23, YL22]. **conserving** [ABI22, BS14, LZW20, Sat24a, Sat24b]. **consistency** [Kub23]. **Consistent** [HL03, Sch09, AM98a, EL01, HK14, Hom94, Hom98a, SL18]. **Constancy** [TD09]. **Constant** [AAAS03, AH11c, BEH24, Che16a, Dra00, HFDSC24, Kar00, Odl00, Sîn07, Yak95]. **constants** [CYIB12]. **Constrained** [Ano95c, CT93, CPN14, Dos03a, Góm01, LKW17, ME95, SC03b, AWH+24, ABM10, AFN16, BGRS09, BGS24b, BMR21, BP93, BN18, CB16, CW21a, Car91, CB00, DEM94, Fab16, GO20, GLW16, GWL20, Gug96, HHF22, KLT95, LWZ18, LZL20, LWLW24, LSY+23, LPXX19, MBG19, MJJ+23, MAS17, MS20b, MN22, NK21, OMW21, Orb15, OL23, OKB23, ODL21, PV23, Pea13, PSZ23, Rei98, Rog95, SL18, SEG14, Sei98, Sla06, SG10, mTLbJlL14, Wan18, WCH15, WZS14, WZZ15, XP23, YIY22, YJJ+21, ZLWZ21, ZZ22a, ZLZ23, AFN17]. **constraining** [CPP14]. **constraint** [BPR21, CL96b, DHMS16a, HBP13, LHZ10, LCH20, LJ22, Pen13, PN21, WXT22, ZRZ11, ZLCW23]. **Constraints** [Str02, AAFL23, CLGS17, FGBP21, Gal93, HNY+18, JR20, JYLC21, Jos22, LWK12, LWM10, LF19, NPS09, PPPN23, WZ23b, Yan22, Zha95, ZW20, ZZX+23]. **construct** [Hal14]. **constructed** [BD20]. **constructing** [SBW98, YZ17, ZYBJ23].

Construction [BJ98, Bel94, BHS17, BJ04, CHH+20, KPR03, KPT03, LM97, NS01, TS18b, ANI15, ANI+17, AUD18, BCL00, BDL+12, Bou17, DR12, God15, KP22, Laz99, LSG15, MS01a, Mic91, MRU91, Pas95, Tur94, Wri01]. **constructions** [KSB08]. **Constructive** [MS96, SCTP00, XLC93]. **contact** [MZ19, ZZZ20]. **Contents** [Ano04c]. **contiguous** [Seg08]. **Continuation** [CCJC18, lLXhL22, BZ18, CR99, CCJ99, DC17, DFK97, HV98, Lin16, YYD14]. **Continued** [HLM04, Pas03, Van03, Arn97, Lor95, LM15, LSM16, Mor11, Now06, Now13, Pas92, WQ10, dB07b]. **continuity** [WK12, WK17, WXT22, YYZ22]. **Continuous** [CZ20, DJ10, JZ16, ZXRL11, ZLL+21a, AM24, ABB15a, ABB15b, AV19, BRW11, BX19, CG07b, EH97a, GGN18, HY21, JT96, LG19, LT20, Maz09b, SI18, Sun94b, YC22, ZY21a, ZSLZ24]. **continuously** [LGW14, TPLB22]. **contour** [IDS16, LG08]. **contours** [GLV05]. **contraction** [CL96a, Dey23, DLYH17, TVC20, VA20]. **contractions** [PGC24]. **Contractivity** [Cro03, KNBGV18]. **contribution** [XXW17]. **Control** [BD03, BD04a, Cha04, Van12, MV13, Söd02, AJ13, ATM19, ART14, AMR15, ASHF21, BKPS93, Bla15, CB16, CW21a, CZH22, CM96, DTI09, DI11, EDAH12, EH97a, EM10, Fab16, FWC16, FJT94, Hof05, KS06, Kun05, KLR07, LWZ18, LZL20, LAN18, LCH20, LW17, LP20, MV14, MB06, NPS09, NEMS14, NAA19, OMW21, Pot19, PSW11, Ria16, SS24a, Sla06, SR24, Ste24, TQY21, VH10, VH12, Van19, VS19, WZ22a, WZS14, WZ23b, YF22, ZM94, ZZZ20, ZZ23, ZZ18, ZLCW23, Sla06]. **controlled** [AM24]. **controller** [DHS97]. **Controlling** [NK16]. **controls** [PLH20]. **Convection** [Bog02, BPR22, BS17, BEM99, COSE22, Che19, CEK21, CGL99, CJ17, FMD23, GLLJ12, GH09c, GO06, GO21, Kno23, LL22b, LZ23c, MS20a, Ngo23, NV21, RBN14, RT19, SKA23, Wan15b, Wan19, YM24, YJ18, ZZH15, ZLH21]. **convection-diffusion** [BPR22, Che19, CJ17, FMD23, GH09c, GO06, LL22b, LZ23c, NV21, RBN14, RT19, Wan19, YM24]. **convection-diffusion-reaction** [BS17, COSE22]. **convection-diffusion-wave** [Wan15b]. **convection-dominated** [MS20a]. **convective** [ASGGRG23]. **Convergence** [AUA22, AHVR17, BD10, BRZ18, BCN+16, BRW11, BE03, CC12, CWHL20, CJ04, Cui13, Dos03a, DL09, Dur93, EHN17a, Fan19, Fan22, Gal22, GR01, HKE97, Hie18, HC03, JSZ22, Ke21, KR07, KGMH21, KP03, LWZ21, Ma20, Man21, Mat92, MM09b, Now19, PG12, Pas92, Pas03, Pas08, PLH20, Pop18a, RS02, SP21, SHLY18, Sid94, SDMMK18, Śmi09, SBJC19, SX00, THS20, Val15, VS19, WSK14, WK14, WK15, WC13, XZZ22, YLL20, ZY21a, ZSLZ24, Zil01, dDL92, AJ13, AL15, AC17, AABM17, AU08, AH09, AR09, AH10, AM16, AG17, AM18, Ari98, AC19, AK00, BBBC23, BOW21, Bic24, Bog13, BGVHN96a, CSI18, CK24, CZ96, CHHL18, CC15, CDG23, CL13a, CWL16, CJ17, CHMT10a, CKKT16, Cro92, CKS16, DW12, DEC24, DD21, Das19, Deh20, FLMR99, FT14, FS23]. **convergence** [GS14, GO20, GM96, Guo13, HLL22, HVM15, HVMT17, HKKN12, Hom92, Hom98a, Hua94, HZ15, HM14, Iva17, Jai16, Jai17, JLP20, JWY21, KPC20,

Kno23, KL06, KLL10, Kza97, Le 92, LKQ23, LWLW24, LZ15, LZ18b, Lin16, LLL22, LT20, Lin05, LQ20, LCHH21, LZ23c, LSSS15, MA16, MM17, Mat96, Meu20, MG11b, MS13, NEMS14, NAA19, Not22, NT21, Now06, Now13, Osa12, OL23, Ovi22, PT19, PKC18, PK21, Pas11, PHI98, PP06, PR14, PSS22, RTD+21, RWB09, RA12, RK11, Sab91, Sad05, SS10, SA14, SI17, SS98, Sid20a, Sid20b, SK19, Sv95, SHGL22, Stu97, SLL22, SYZ22, SSH19b, SSH20, TT21, TH18b, TVC20, TTLD20, TSI20, TDC21, TLD+23, USM24, Vep08, WGK11, WKG11, WK12, WZ13b, WK13, WZZ16, WK16, Wan17, WZQ17, WK17, WCHK21, Wei17, XCD23, XSL22]. **convergence** [Yak95, YWX14, YL19, YH24, YWS20, YLL22, ZW12b, ZJ14, ZD21, ZWG18, ZG12a, ZG12b, ZG09, ZCS14, ZW15, dB07b, EHN17b, Pop19]. **convergence-control** [AJ13]. **convergence-guaranteed** [USM24]. **Convergent** [BKM03, CCG01, FMD18, Rec01, Rob97, AH08, CEX14, CL93, CG19, CJ20, GA15, Gal18, GLW13, Hai08, Har18, KSB08, KK17, MFBB23, MA22, PLZ+24, Pie96, Sab92a, Sid07, WB17, wYN18]. **converges** [KH18]. **convert** [KCHD16]. **Convex** [DM92, EGSV04, KPFG04, KL04, Mar04c, Zil01, AF23, AAFL23, AG23a, AN17, AHL20, AW23, AGG17, BBBC23, BCK06, BBCS21, CWZ13, CF96, CKS24, El 18, GPGC98, GWW15, GH95, GWL20, HHF22, Hua96, IUM+19, JWCZ21, KJO23, LP18, LF19, LCW21, MBG19, MWZL23, MS96, OAR22, PKC18, SPV20, SW24b, Tan20, WZ11, WS24a, WZ22b, Yan22, Zas22, Zha95, ZZX+23]. **convex-concave** [JWCZ21]. **convexification** [PW22]. **Convexity** [LN95, AT12, BBBC20, BV21, GQ09]. **Convolution** [Lev95, AA15, Ave20, BHH24, DL18, Lig93, Mon96, MSS11, WWL24]. **convolutions** [JLP20]. **Cooperative** [BBP17, KW04]. **coordinate** [BGRS09, BGRS12]. **coordinates** [ÁCL11, BW15, JKK+08, dOS07]. **copolymer** [LZM23]. **cordial** [KMH24]. **corner** [MP99]. **corners** [MD15]. **correct** [EM10, WLL12]. **corrected** [AAIT94]. **corrected-asynchronous** [AAIT94]. **Correction** [AHS22a, AHKW04, Cat24a, CUY24a, DH18, EDAM13, Gau19, HHLS21b, IZ24, Jan03, KST21a, KN21a, OCWV24a, PK22a, Pop19, Sat24a, Uhl22a, ZS03, AHKW05, FLR01, GS16b, GO06, Gug96, HCL21, HK06, MBG19, Meu23, Si12, VdR13, ZS22]. **corrections** [GPHAPR24]. **Corrector** [IW04, Bra06, DZW17, Khe14, MJH17, SMZMA18, SD20, WO00, YZLP16, ZLS24]. **correlation** [HS16, Zhu15]. **corresponding** [LWG18, LCHH21]. **corrupted** [LP12]. **Cosine** [HS03, Col92, DPR23, DKL15, HH05, LZlL20, Mac96, Saf10]. **cosparse** [LLLD17]. **cost** [EY10, FLMR00, Rab23, ZFH23]. **Coulombic** [EAGS20]. **countable** [CAV23]. **countably** [Ste24]. **Coupled** [KV00, BDV18, BGS24b, COSE22, CDS20, DW21, DW22, DCW23, DN19, Don13, DZ21, FZLL23, Haj16a, HR05, Hol98, HKCW24, HM18b, LHZ20a, Lin09, LCW20, SZ23, TPLB22, TLD22, WSZ21, WDL23, XH20, YSLL23, ZD15, ZD18]. **Coupling** [GX19, BBB22, CK22, KK22a, Zaf22]. **coupon** [CS12]. **CQ** [KPC20, SCD+21, Wan17]. **CQSCO** [Khe17]. **Crank** [LBF24, LWJ21, LW22, MS24a, QQX23, TL24, Wan19]. **criss** [DLR12].

criss-cross [DLR12]. **Criteria** [Cse04, KGD03, CL19, LLQ17, RSZ20, XZZ19a]. **Criterion** [CMRS01, PT19, SDW24]. **Cross** [CDG23, BC92, BL93, BL95, BR21, DLR12, Jia06, MRV23, SWB08]. **Cross-points** [CDG23]. **cross-product** [Jia06]. **crosses** [FKP06]. **crosslet** [GSZ22]. **Crude** [WH04]. **crystal** [LL20c, LZZ23, RCW22, YK22, ZWY22]. **CS** [KLSS14, Sut09]. **CT** [MN23b]. **Cubature** [PS01, BD95, BC00, CDSV11, DFD23, SVZ08]. **Cube** [Coo03]. **Cubic** [CPV04, CMRS01, AB06, AGN07, BK13, BV21, CG07a, CW14, DHS09, Gha16, GGS22, Kva14, Liu21, PSZ23, PZL15, PTW22, RA12, WZ19]. **cubically** [AH08, KSB08, wYN18]. **Cubics** [LM01, BFK+09]. **Cummings** [Kar07]. **cumulative** [GST17, KSV23]. **curl** [Cal20]. **Current** [Tsu02]. **Curtis** [SVZ08, SH21b, SH22]. **Curtis-type** [SH22]. **Curvature** [CRS04, CEK21]. **Curve** [CRS04, Flo03, BM06, FJT94]. **curved** [ZZ23]. **CurveLP** [Yan17]. **Curves** [CP01b, KPR03, Neh04, BG91a, Bar13, BV99, BMV09, DF94, FHH05, Gar19, GS16a, GLW16, HSSB13, LN95, LWK12, YYD14]. **curvilinear** [BBBC23, KZ21, dOS07]. **cut** [fLxX12, LCW21, SS24d]. **cuts** [AL23]. **cutting** [MP99, PR93, Ree92]. **cycles** [CZLS18]. **Cyclic** [BGRS12, Bia94, TPY14, BGRS09, BM97, BM09, Ern00, JJ13, JL16, KH18, LKKM15, RT22, RZ23b, Zas22]. **cycling** [RVF07]. **cylinder** [Seg98, SCF23]. **cylinders** [Wat06].

d [CG19, ATM19, AEF+14, CL00, CJ17, DL21, FHC21, GH09c, LG08, LZlL20, MFK+15, Moh10, MK17, PMO05, PT18, Sal17, TC05, VMMD21, ZJ08, ZYX19, ZYLN18, ZS19]. **D-BEM** [AEF+14]. **DAE** [Ano98d, CB16, MW98]. **DAEs** [AAP24, AB98, Bea98, BCT15, CHYZ98, CM98, Fab16, HCH18, JV98, LM11, Pen98, Pry98, SL15b, SL15a, SL16, SL18, SL21a, Jay02, MT98, Sch09, Sim98]. **Dahlquist** [CKM19]. **Dai** [AK19, ABK22, And18b, KBA23, Zha09]. **damped** [BD06, DS21]. **Darcian** [CW17]. **Darcy** [COSE22, CLPY23, CJKL23, DZ21, DZ22, DMW23, GG22, LRC19, LHR20, LHW13, RRZ21, WDL23, WQ23, XH21, YJ18, ZD18]. **dark** [ZTZZ19]. **Data** [CMRS01, KPFG04, BK18a, AUA22, AS08, ACM93, AG00, AF94, BW93, BQ19, BH11, BGS24a, Ber10, BCJ22, Bro05, BF93, CF96, CK05, CG07b, CAV23, CP93, CP95b, CDD13, CM05, CV92, DF93, DdAF+20, DC17, Dri93, Ell93, FT24, FM16, GGN14, GZ18, GLRSG08, GI97, Hof05, IL05, KBCG13, KPT23, LW20, LWC+21, MFBB23, Mic93, MN22, Nar05b, NZ19, OKB23, Rip93, Ros97, Sch14, Sch08, Wat06, WD96, ZXL23]. **data-bounded** [Ber10, OKB23]. **Daubechies** [Dur93]. **Davidson** [HPS97, SS99, VdR13]. **Dawson** [Zag24]. **DB2** [ADN17]. **DC** [GWW15]. **DCA** [GWW15]. **DCACO** [YP23]. **DCT** [BP19, Ihs07]. **DDEs** [CE17, CMP22]. **Dealing** [Bag00]. **Deblurring** [NPP04, CPZ14, DHMS16a, FAMA20, LP08, LP12, WCH15]. **decay** [GL19].

decentralized [Wan24]. **decision** [GK24]. **decomposability** [Uhl22a, Uhl22b]. **decomposable** [BRSY21]. **decomposing** [LV15]. **Decomposition** [Bog02, Dah93, HPS20, KZ03, APST21, AA15, BDH+13, BFK+09, BFK11, CZ94, CZ95, CCJ99, CV22, Cic20, CK06, DHV22, ETY98, FLV14, GHM16, HG93, HN16, HJ21, IL05, JNS19, KLSS14, KST06, KH11, LCW23, Lor19, MS92, MHR23, RR23, Ria16, SB21, Sut09, UTO24, VZ93, VH92, WZVJ22, ZZ22a, ZJJW24, ZWLZ24]. **decomposition-compact** [LCW23]. **decomposition-type** [CK06]. **Decompositions** [Amo02, DPP22, AD00, BMA16, BKS23, DBV23, FH97, FHH99, LKKM15, PQ95]. **Deconvolution** [Han02, CPN14, DMT13]. **Decoupled** [ZZH15, CLPY23, HKCW24, LZM23, XCY21, XH21]. **decoupling** [SL16, SSYL20]. **DECUHR** [EG94]. **Defect** [AHKW04, AKT15, FLR01, AHKW05, EH97a, EM10, GO06, HK06, Jaw22, Si12, ZS22]. **Defect-based** [AKT15, Jaw22]. **defect-correction** [GO06, Si12, ZS22]. **Deficient** [CW14, WSY04, HG93]. **defined** [AC94b, Mar96, Van19]. **defining** [BDV18, LZ16b]. **Definite** [ABQ04, Str02, AA16b, AL97, BMA16, CR96b, CLMM05, CS08, DPP22, tFZyZ16, Hag13, Har18, HM18a, HV12, KPS14, LG17, LDC10, Orb15, PG15, Str97, Sun94a, Sza92, Tan17, VGV06, XM16, YLD11, Zha15]. **deflated** [BF14, EHTSM21, LM99, ZTW19]. **deflating** [Oar94]. **deflation** [SS99]. **deflection** [YXL18]. **deformation** [LM14]. **Degenerate** [HvD93, LZZ24, PN93, SKJ+18]. **Degree** [CG03, FS20, FJ96, GLW16, HHLS21a, HHLS21b, HvD93, KLZV95, LL14, Poc14, Wal06]. **degrees** [BR17, RRZ21]. **Delaunay** [AT12]. **Delay** [Car01, HCH18, SER02, ZFX14, ZXLF15, ABB15a, ABB15b, AE09, AA09, BPR22, BB14a, Das19, EH97a, EA12, ES19, GMY18, HKE97, KGH14, KK17, KKS24, LT20, MD21b, MMLM20, NS24, PLZ+24, ROB17, RS20, RF23, SAC18, SCDM20, SHGL22, XyJl16, ZY21a, ZE10]. **Delay-dependent** [HCH18, ZFX14, ZXLF15]. **delay-differential** [ZY21a]. **delayed** [HDP18, RK11, YX11]. **Delays** [LER03, BCT15, HCH18, ZJ23]. **deletion** [BG91a]. **Demand** [Cha04]. **demicontractions** [Ceg24]. **demicontractive** [HS20, PKC19]. **demonstrations** [MdR13]. **dengue** [LWLT19]. **Dennis** [MS22]. **Denoising** [BP03, HR14, ZY13a]. **denominator** [KC23, KLZV95]. **denominators** [CJTW96, Gug96]. **Dense** [BG03b, ABG97, CDW95, Dum13, DHMS16b, Gar19, HL17, SAE19, ST18]. **densifiable** [Gar24]. **density** [LD20, Low05, She00, SS11b]. **dependence** [AUA22, Bag00, Pop21]. **dependency** [CCLi16]. **dependent** [ATM19, BS17, COSE22, DZS21, EG18, FYYW19, Ghe18, HV22, HCH18, HY21, HS12, JWZ23, KGH14, Lam09, LSZW19, Lor19, MZ19, MDL15, NM14, NPS09, Rip93, SSYL20, SFS23, Si12, SG23, TBY13, WS24a, YJ18, YK22, ZSF18, ZFX14, ZXLF15, ZWG18]. **depending** [DPP19, DPP22, HDL23, SR16]. **depletion** [NAR05a]. **derandomization** [Gor18]. **Derivation** [ALZ21, TÖ17, ST21]. **Derivative** [CHS19, CGHH21, CMRS01, FT14, AH21, AHJ22, AAFL23, AAM24, AAB13,

AMH10, AH08, AM16, AG23b, BRW11, BH05, CG07b, CT10, CQLY15, CC18, CKKT16, FYM14, GRAST23, IAAH24, JL12, Jat15, KKB16, KS14, LZ21, LGP11, LF19, MAH22, MKS18, MHA16, NBK17, Ngo23, OI14, OL23, PS16, RAH11b, SA14, SGJ15, SWG20, TCW14, TÖ17, WZQT15, WZ16, WK16, WB17, YZBJ21, Zha20, ZBX21, ZLLC11]. **Derivative-free** [CHS19, CGHH21, AAFL23, AAM24, AAB13, AH08, IAAH24, KKB16, KS14, LZ21, LF19, OL23, PS16, WZQT15, WZ16, WB17, YZBJ21, Zha20, ZLLC11]. **Derivatives** [PW04, AR20, AMA21, AH11c, Ash16, Ash19, AP21, Die08, DN24b, Gaj05, GKL21, GPHHAPR18, Joh15, Kim21, SKTGR19, VDVJB12, VLCL16, ZLZ22]. **derived** [USM24]. **Descartes** [BHNS16]. **Descent** [Bre02, WHS20, AK19, AIA+24, ABK22, And06, AB23, BGRS09, BGRS12, BG24, Bno21, BE20, BEL23, BN18, CL10b, DMZ20, HSK20, KBA23, LWQR15, LTP18, Maj13, PRK+18, SW11, SS12b, SM10, WYP23, You16, ZW12b]. **descent-based** [BN18]. **described** [MSS11]. **descriptor** [BHS14, BH17]. **Design** [BCM19, BF00, BM14, Cou15a, Enr02, GLS+18, CDW95, GNH10, Lo97, Maz18, PR93, RW06, Son93, ZLL+21a, Cou15b]. **designing** [YP23]. **DESIRE** [BD98]. **destabilization** [ST23]. **destruction** [MO10]. **Detailed** [DFF04, LRY18]. **Detecting** [CG07b, CM05, GK24, Pan20, Sza03, Mit11]. **Detection** [GI97, Meu23, Riz18, CKO24, MS23c, Ros97]. **DeTemple's** [Che16a]. **deteriorated** [HWXC17, LZ18b, SCW17]. **determinant** [AC94b, JL16, Sol23]. **determinants** [GM92b, Jia20a, KV00, Wim00]. **Determination** [AJ13, Car01, Cox93, LM11]. **determined** [Kub15]. **Determining** [KL04, Ber00, van93]. **Deterministic** [PWCsL18, CH22, PW16, Str05, Stu97]. **Deuflhard** [YA24]. **developable** [HSSB13]. **developed** [CN16]. **developments** [BRZ19, Ise96, Nar05b]. **deviating** [Bic24]. **Deviation** [DM22]. **deviations** [SBG24]. **DG** [ASGGRG23, YL22]. **Diagnosis** [SL15b, SL15a]. **Diagonal** [DM21, FG03a, LEK21, And19b, BCW13, BL23, CT21, JB22, JJ13, LZ19b, MVV05a, MA22, MA95, MVG21, TA24]. **Diagonal-Plus-Semiseparable** [FG03a, MVV05a]. **Diagonalization** [Fue07, ZHY+20]. **diagonalize** [Bel08]. **diagonally** [BD98, Con93, LL16, LZX22, PFT98]. **diamond** [MMW20]. **Dichotomy** [LS03a]. **Difference** [BS04, AC94a, AE09, AA09, AAIT94, Bar91, BC14, Bia12, BW15, BRMG18, CFR06, CL10a, CXL16, CHH+20, CLA11, CS12, CV15, CL93, DL21, DW21, DCW23, DK00, lDzS21, EA12, FHC21, For22, GHC15, hGzS17, GGS22, HZPW23, HCL21, HKE97, HP18b, HKCW24, HTVY13, HL20, KCHD16, LWD23, LRC19, LMUZ19, LKQ23, LCW23, LZW20, LCW20, LWZ23, MY22, Mil13, MA13, ML10, MA12, NV21, PKR20, Pan18, QQX23, QXGZ20, RF23, SS16, SMA99, Spr01, ST98, SzS21, VLCL16, Wan15b, WH15, Wan19, WZC23, WSLL24, WQZH24, Wei18, Xu19, YHQ19, YQM16, ZP17, ZBX21, iV12, LWJ21]. **difference-summation** [CFR06]. **difference/compact** [QQX23]. **difference/local** [Wei18]. **Differences** [Sab03, AR16, AR20, Arg09, EGSHVN15, Müh99, SR06, Wal94, dC20].

differencing [BKF20, SFMK23]. **different** [BF93, DJM08, HMS96, KJG23, KCHD16, LAH22, XH21]. **differentiability** [AH09, Pie96]. **differentiable** [AHVR17, CD99, HVYMS23, KGMH21, LGW14]. **Differential** [AAAS03, AM24, AKKW03, But02c, BH02, CL05, Che02, DL03, DOS03b, DM03, ED05, Fun01, HL03, IDAV09, INR01, KB02, LJW17, LER03, NW04, Pog98, Rec01, SKA23, SER02, TRRD02, Tsu02, ZYLN18, vLV02, ABB15a, ABB15b, ÁFP07, AE09, AA09, AM98a, ABI23, AR99, AM98b, Asc97, AHC13, BJ98, BDV18, BT14, BD17b, BK13, DOT21, BEH24, Bre99b, BX19, BWB24, But10, CA07, CP00b, Che99, Che14, CQLY15, Che16b, CDLW21, Che22, CCD10, CDP16, CPS12, DJ10, DFJP10, VV07a, VV07b, DBTG24, DSI11, Das19, DP21, DZW17, DW97, DB06, DGST15, Dze15, EG10, EG18, EH97a, EA12, ES19, EL01, EED19, FY13, FYM14, FHL21, FGJ00, FH15, FS01, GKRS22, GCPG99, Van17, Gug96, GMY18, GL19, HJ18a, HH12, Hal14, Han22, HM22a, HM22b]. **differential** [HP18a, HZ20, HL20, HCXL20, IY15, ICR06, IJE15, IMT23, JT96, JVH15, JM18a, JWL20, Kam15, KJ18, KL17, KSCS07, KS06, KK17, KKS24, KLR07, LLAL21, Le 98, LW13, LW16, LRL19, LZ16b, LTFL10, LT20, LM17b, LLC20, LA22b, LG95, LWZ21, MKG24, MH21, MH23, MN23a, MAH22, MKA14, Mal21, MS06, MPS20, Mil19, MG11b, MR96, ND21, NRV23, OCWV24a, OCWV24b, PT19, PS09, PS17, Prz16, ROB17, ROB18, RS20, RSKB17, RT12, REM21, RS97, SAC18, SFMK23, ST17, ST23, SCDM20, SS16, SMN24, SHGL22, Sti18, SZ20, SZ21, SG23, SS24d, TX19, Tem08, TS15, TY21, TN10, Tuo98, VH10, Van19, VRM23, VLCL16, WG13, WCHK21, WYZ22, Wan22, WZ22b, WK93, Wri01, WCD21, WZ23b, XyJl16, XT16, Yan95, YBK$^+$21, YH21, ZY21a, ZSLZ24, ZXF14, ZFX14, ZXLF15, ZL17]. **differential** [ZJ23, ZE10, aZ19b]. **Differential-algebraic** [Pog98, AM98a, AM98b, Che16b, EL01, Han22, HM22a, HM22b, IY15, LT20, MS06]. **Differential-geometric** [IDAV09]. **Differentiation** [ACG20, Hof16, IM02, TRRD02, AH21, AAP24, Cou15a, Cou15b, GZ18, Kub23, LM11, MJF09, NBJA17, SAE19, SL15b, SL15a, SS14, Tia21, TY21]. **diffuse** [Wan15a]. **Diffusion** [AG03, Bog02, KV04, Sch02, SME03, AD17, AD22, BPR22, BS17, BKF20, Bhr16, BZV16, BV99, BBL22b, COSE22, CTS09, CLTA10, CX20, CL21, Che22, Che24, Che19, CYM22, CGL99, CJ17, CG19, CJ20, Cui13, DWZ14, DAM16, DMZ20, lDzS21, ETY98, FNS19, FZLL23, FZL$^+$16, FMD23, GZL24, GD15a, GM06, GK20, GH09c, GO06, GO21, HT23, HZPW23, HCL21, HDP18, HV22, HA16, HTVY13, HL17, HYJ20, JKNR13, JZF$^+$20, JWZ23, KS18a, KZS21, KCHD16, Kaz24, KR11, KK22a, Kno23, KMS05, KB20, LR18, LSZW19, LL22b, LS15b, LWJ21, lLHNS23, Lin05, Lin09, LRZ12, LJWW21, LZ23c, LV21, Mal21, MS23a, MM09b, MS24a, Moo07, Moo20, MM11, MA12, MAFN16, Nac99, Ngo23, NMM18, NV21, PNW17, PQS22, PED15, RF23, RS06, RBN14, RT19, SKA23, Sal17, SLA11, SCF23, Smi97, ST98]. **diffusion** [TH23, VT10, Wan15b, Wan19, WLMA21, WZC23, WSLL24, WZZQ24, Wei17,

WLY+21, YM24, YHQ19, YZL20, YPL21, YWZ19, YQM16, ZWFY19, ZP17, ZYX19, ZBX21, ZL22a, ZYW23, ZZ18, ZZB20, ZYLN18, ZXL23, dFO11].
diffusion-reaction [Kno23, Ngo23]. **diffusion-wave** [AD17, BZV16, DWZ14, DAM16, HDP18, HTVY13, HYJ20, Sal17, SCF23, YZL20]. **diffusive** [CEK21, YJ18]. **diffusivity** [LL22b, RT19]. **Digamma** [Wen03]. **Digital** [Sar06, FGL19, God15, Li95, PR93]. **digits** [ZA24]. **dilated** [Erb15]. **Dimension** [Maz11a, ASV23, CA22, GO06, HKPW19, KMS05, Sau07, SB21]. **Dimensional**
[AEG02, BD02, Boy05, HR03b, AD17, AD22, ALJLYJ24, ASS13, AAD14, BX17, Bhr16, BK13, BZS22, Bra06, Bra07, CMD19, CAB22, CLTA10, CLA11, CY19, CvPS15, CCW21, CK22, CCD10, CJ20, Cui13, DSI11, DS09b, DW21, DDRT97, FMD23, hGzS17, GK20, GPHAPR24, GK24, HCL21, He16, HST15, HS15, HL20, JJK97, KKPT16, KPA20, LWD23, Li95, LRL19, LKBF17, LZW20, Lie00, lLHNS23, Lin05, LSW16, LD20, LW22, LWZ23, LWC+21, MP00, Mar92, Mic23, MDH16, MS24b, Nat07, NV21, PTW22, PTSB01, PV98, Pis16, QXGZ20, RhG15, RR22, SH12, SW07, Ste24, Ter22, TD09, WWBM21, WHD22, YD09, YJX15, ZR17, ZBDK23, ZLW+13, ZHFW21, ZZY24].
Dimensions [GGV02, VP23, AH23, AK12, BBL22b, Cal20, GH06, GH09a, Gha18, Hem96, HKCW24, KKV22, KSW07, Moo07, Rab23, Ros97, WZ19, WLMA21, WQZH24]. **Diminution** [CG03]. **DIMSIM** [BCJ99]. **DIMSIMs** [IJ19, Wri01, BCJ97]. **Dirac** [AT17, LZ23a, MY22, SS11b]. **Direct**
[AW23, De 02, FG03a, GRT97, TBC+23, Ari98, AVI97, BCT15, BW15, CB16, CFL19, CDLW21, Cic20, DG17, DB06, GK20, JRB17, KP96b, Liu11, MS20a, Meh11, MV17, SDL+23, CIP10, MS14b]. **Directed** [vGK04, GWL20]. **Direction** [MST03, BF17, Bno21, CFR06, Cui13, Haj16a, JHLL15, Kim21, LWZ18, LRL19, LCW21, Ma20, RWTM21, WLMA21, Zha15, ZZY18, ZFZ19]. **Directional** [NS01, CFR06, Lai92, MS01a]. **directions** [Ben99b]. **directly** [BDV18, LZ16b]. **director** [RCW22]. **directors** [ZWY22]. **Dirichlet** [Bia12, BFKM20, BFK22, CDG23, JP14, Kun05, NPR08, OM18, Rab23, SJW21, ZZ23]. **DIRK** [FG03b, HR00, NB16]. **disc** [BW15, KAL22]. **discontinuities** [ART19, AF94, AT17, GI97]. **discontinuity** [CG07b]. **Discontinuous**
[CMR03, CG20, EKM03, Moo20, AMM16, Bac18, Bac20, Bac21, Bac23, BGR23a, BGS24b, Che19, CYM22, CJKL23, DWZ14, DDG05, DL09, FMD23, GD15a, GO21, LGC24, MS20a, Mal21, MM09b, MM23, MM11, MAFN16, SN22, TBY13, WZZQ24, Wei17, Wei18, Wri95, YZ21, YZ23, ZZ18, ZWX22].
discovered [Zha24]. **discrepancy** [Dam08]. **Discrete**
[ACM04, BZS22, CR02, DV01, GKQ24, Kva01, Kva14, LSX10, MN01, SDL+23, Vig04, WZC23, ZLG+13, Ave20, BN18, CMRS00b, CMM15, CW14, CZ20, CCHH23, Cou15a, Cou15b, DWZ14, DC17, DNR17, Fan19, Fue07, FYI+12, GGN18, GM06, GLS+18, HM22b, Han94, HWZ24, JRS09, Jia20b, JZ16, KR20, Li96, LMUZ19, lLLVZ17, fLxX12, Loh22, LWZ21, MM22, MP22, MRS06, MRS10, NRS12, OR17, Pan18, PZ20, RR13, RSZ20, Roh07, Tas93, TYSY20, The12, USM24, Wei17, YH97, ZXRL11, ZLL+21a]. **Discrete-time**

[ZLG+13, GLS+18]. **discretisation** [MS24a]. **Discretization** [ABMV03, BBHM03, And14a, CB16, Che99, CX20, Don13, GLLJ12, HJB18, KNBGV18, KS97, LW17, LN22, Moh10, NT21, PNW17, SDL+23, TY21, TCW14, WZ22a, XSL22, ZHT15]. **discretizations** [BM22, Che16b, DMW23, FSY23, LD21, LYL15, MC05a, NMM18, PV22b, SW10b, Spr01, WD23]. **discretized** [Asc97, BRY14, DSS14, HM18c, TH23, ZW20]. **Discussions** [Zaf22]. **Disguised** [JKM18]. **disjoint** [GHM24]. **disk** [ACH14, CG14, CMP21, CYIB12, Gla01, SX96]. **disks** [PP06]. **Dispersion** [MR12, FGR01, HLTA16, HFZ19, JBJB17, MA13]. **displacement** [AR10, HFZ19, Hu22, LDX23, YZ23, ZYGQ17, Zha19]. **dissipation** [MV13, Met19, YK22]. **dissipation-preserving** [YK22]. **Dissipative** [SFT03, AMCM06, KLB10]. **Distance** [DL04, SC03b, BF20, HZ93, HZ95]. **Distributed** [BD03, BD04a, LER03, TFPG19, AD17, AH23, hGzS17, GWL20, HDP18, HLTA16, LR18, LRL19, lLLVZ17, MFBB23, PLZ+24, PPPN23, REM21, TA24, WLY+21, dS00, dBD05]. **distributed-order** [AH23, hGzS17, HLTA16, LR18, LRL19, lLLVZ17, TA24, WLY+21]. **Distribution** [HY21, DD99, GST17, HHLS21a, HDL23, JWL20, KSV23, KK22a, Roh07, VDVJB12, WZ15b, HHLS21b]. **Distribution-dependent** [HY21]. **Distributions** [FLH04]. **div** [Ahu09]. **Divergence** [Mil19, Osw01, KP22, LN22, YH97]. **Divergence-Free** [Osw01, KP22, YH97]. **diverse** [SGO22]. **Divide** [MVV05a, KKM20]. **divide-and-conquer** [KKM20]. **Divided** [Sab03, Arg09, EGSHVN15, Müh99, SR06, Wal94, dC20]. **division** [ZGLH24]. **Divisor** [PR03, FGM19]. **divisors** [Gau13c]. **DMLPG** [MS14b]. **Does** [CL96a]. **dogleg** [ZYBJ23]. **Domain** [BD04a, Bog02, Kun01, Lor19, ZKD02, ZKD04, AR99, BQ19, BF18, CZ94, CZ95, CCJ99, CV22, Cro92, DHV22, ETY98, FHC21, GHM16, HLS10, IL05, KH11, MHR23, NPR08, NNCN23, REM21, RT19, Ria16, SB21, YSLH19, YL16, ZQL+19]. **domain/multiresolution** [YL16]. **Domains** [BD03, CP01a, HR03b, AN17, ALZ20, ABV23, AG17, AAD14, CKS24, CJK22, CK22, DM98a, GL15, Kar09, Kar13, Kar15, KJC18, KZ21, Lee94, LSX10, LJ11, LC21, MD15, QL12, YL16, Yse99, YWZ19, ZLH22, ZZ23, ZYLN18]. **dominance** [LXP20]. **Dominant** [ABQ04, LL16, LZX22, MVV05b, VBG96]. **dominated** [ETY98, MS20a]. **Double** [DMZ20, AGS08, AKB15, CEK21, CFRV23, DS20, GNT24, MBJ17, OMU+24, PRVI20, RR23, RCW22, YJ18, ZWY22]. **double-cone** [GNT24]. **double-diffusive** [CEK21, YJ18]. **double-projection-based** [AKB15]. **double-step** [DS20, MBJ17]. **doubling** [CZLS18, Guo16]. **doubly** [DM98a, HHHN07, LZX22]. **doubly-adaptive** [HHHN07]. **Douglas** [AG19, BCN+16, BCS18]. **downdating** [LLZ18]. **DPMHSS** [WGZ18a]. **DQ** [AD22, CJK22, Gha18, Tom11, ZLZ22]. **DQAINF** [EO94]. **Drift** [DMYT23, HY21, Mal21, Nac99, ST23, SYZ22]. **Drift-implicit** [DMYT23]. **driven** [DMYT23, HSY23, MKBY19, NT21, Ste24]. **DSS** [XLW20]. **DTZD** [QZG+19]. **Dual** [BEL23, NØ96, SC03b, Alt21, AABTB23, BGS24a, BC16, CWZ13, CL19, CW21b, DGL06, Gás99, GWL20, HHF22, JWCZ21, Khe12a,

MBG19, MFBB23, NAHZ21, RWTM21, SMZMA18, WZ11, WXQ20]. **Dual-orthogonal** [NØ96]. **dual-permeability-Stokes** [NAHZ21]. **dual-phase-lag** [WXQ20]. **Duality** [BF99b, BR17, BV95]. **Duffing** [CZLS18, YX11]. **Durbin** [CHHL18]. **during** [Bag00, WXQ20]. **Durrmeyer** [MP14]. **DWR** [LH23]. **DWTPer** [FC01]. **DWTPer-based** [FC01]. **Dyadic** [Mer94]. **Dym** [BAV18]. **Dynamic** [Cha04, LPV03, PP18, BRZ18, Fly22, HFW+21, PPPN23]. **Dynamical** [Man10, GH22, GH23b, LK20, LWLT19, RM13, THF21, VTV22, WMCW21]. **Dynamics** [CCV23, AABM17, AM16, BCST14, BCM16, BCMT18, CZ20, CB00, GKQ24, Ila20, JZ16, KGMH21, LZ23a, LSSS15, OKP21, PPR15, Rei98, SSH+19a, SSH20, ZXRL11, ZLQT19, ZHY+20, ZLL+21a].

E-algorithm [Mat91]. **early** [BRZ19, Osa12, TM14]. **Easy** [BvLP16]. **economic** [BL23]. **Economics** [GCGF03]. **ECT** [Müh99, MT06, TM05]. **ECT-B-splines** [MT06]. **ECT-splines** [TM05]. **ECT-systems** [Müh99]. **Eddy** [Tsu02]. **Edge** [DMR20, LXZZ21]. **effect** [JCF15, NAR05a, WS24b, ZJ08]. **Effective** [BFGM03, BBL22b, JH22, MT98, BKFMA11, BD98, BC99, BC01a, BI14, Cam19, GJV17, Haj16b, IP16, RW06, YZ17]. **effectiveness** [BMR19b]. **Effects** [NZF11, SC03a, CR14]. **efficiency** [BCST14, Che14, EGGSH13, HR07, Jai16, NR24a, Jai17]. **Efficient** [AMM18, AH18, AKW02, BDL+12, BBQO07, BHS11, BKS13, BKF20, BCI14, CX20, CLPY23, CHMT10a, DB06, EGG08, FKMS01, GST17, HH05, HV15, HYJ20, KXXW21, KKB16, Kar09, Kar10, Kar13, LM19, LL20c, MCG+04, MP13, NW04, PW14, RhG15, SFMK23, TRRD02, WZ15a, XCY21, XLG22, YM24, Zag24, ZBX21, ALQ17, AA12a, AHL20, BG11, BMV09, CJ20, CLBT15, CRHTV24, DM98a, Dzu13, Gha18, GH22, HZX21, Kac18, KKV22, KP96b, KNBGV18, KMA13, KHM20, LDN16, LWZ18, lLhYfD07, LL18, LZZ23, MGL20, MD21a, MBR21, Mel24, MDH16, NBK17, PKR20, PV22b, PS16, Plo93, SGS13, SLD20, SSK23, SS24b, SS23b, Sol15, VZ93, Vep08, Yan18, Yan22, ZH22, ZXL23, ZE10]. **Efficiently** [WH04, WWM21]. **Eftekhari** [Eft15a]. **Ehrenfests** [BGL07]. **eigen** [LJbL21]. **eigen-problems** [LJbL21]. **eigendecomposition** [MVV05a]. **Eigenfunctions** [INR01]. **Eigenmodes** [LL05]. **eigenpairs** [BM19, GLL19]. **eigenparameter** [Ghe18]. **eigenproblem** [BOP98, LL93]. **eigenproblems** [CVLX19, Ema96, MM99, SS99, VRM23]. **eigensolver** [HK14, IDS16]. **eigensolvers** [IS17]. **eigenspaces** [KP96a]. **Eigenvalue** [FG03a, TC05, Van07, AMM11, ALZ20, BLW09, BESC22, Bos21, Cve06, DBGB11, EGG08, EP97, FG07, FM19, FYI+12, IDS16, IS17, IMT23, IJSS16, JKM18, JRRS08, KW00, Kol06, KSW09, KLW+23, LLZ94, LY18, LDC10, LG95, Mia19, OdZdRV13, PL99, Pan20, RSCH+19, Saa23, San19, She15, XHZ07, wYN18, YSXY19, ZLH22, ZS08]. **eigenvalue-free** [ZLH22]. **Eigenvalues** [IMT02, AAAA+18, ANI15, ANI+17, AM21, And18b, AA12b, AT19, AT17,

BIM+23, CHY19, CD96, DPP19, DPP22, EG19, EV22, EDAM13, EAGS20, FDV13, HM18c, KP96a, LWG18, MT15, NP22, OO22, TBY13, YHZ20]. **eigenvector** [JU22]. **eigenvectors** [CD96, Gar20]. **eight** [LSSS15, Sho18]. **eight-order** [Sho18]. **eighteenth** [Ste20]. **eighth** [AR13, BCMT18, CN16, CN17, CKKT16, FR18, Jai16, Jai17, LK20, LRM16, SS10, SZQS23]. **eighth-order** [BCMT18, CN17, FR18, Jai16, Jai17, LK20, SZQS23]. **Einstein** [Hua21]. **Ekman** [TPLB22]. **Elastic** [BE03, MD21a, MR12, RW06, Sim98]. **Elasticity** [TC05, BK18b, DN19, KST06]. **elastodynamics** [AMM16]. **electrical** [CHH93]. **electro** [ÁCL11]. **electrolyte** [Met19]. **Electromagnetic** [ZKD02, ZKD04, AF13, GH06, GH09a, MDR23]. **electromagnetics** [ABG97]. **electromagnetism** [BR17]. **electron** [SSH+19a]. **Element** [BBHM03, CP01a, DG05, PG05, Tsu02, ACF99, BBB22, BFK+09, BX19, CLWH20, CVX16, CDS20, DMC20, DN19, DZS21, DZ19, DZ21, DMW23, FZLL23, Far20, FZL+16, FHC21, GG22, GX19, GA20, GLRSG08, GRT97, HCBAEC23, HFZ19, Hu22, HS21, Ila20, JKNR13, JCL16, JZYY23, KLL10, KBP17, KP22, LLAL21, LHW17, LR18, LLX20, LD21, LDX23, LGC24, LBF24, LXZZ21, LTFL10, LS15b, LCH20, LYL15, LDL+19, LN22, LH23, LZ23c, LCGH23, LAH22, LKKM15, MS20a, MC05a, MR12, MDR23, NAHZ21, ND21, NMM18, NT21, OMW21, OBAHK+19, PV22b, PR10, PLZ+24, Rah11a, SLW13, Sch08, SGO22, SS24a, SW10b, She15, Si12, SLT20, SR24, SS94, Sut17, Val15, WSY12, WYZ21, WZ22a, WD23, WDL23, WLY+21, XSL22, YJ18, YZ23, YH97, YYW21, ZZH15, ZYGQ17, ZSF18, Zha19, ZZZ20, ZHFW21, ZD21, ZL22b, ZF22, ZYJY22, ZL23, ZWX22]. **element** [ZYW22, ZLCW23, ZLTA16]. **element-free** [Ila20]. **Elementary** [Mai01, Rab92b, BP23, FLMR00, Fue07]. **Elementary-Algebraic** [Mai01]. **Elements** [Kol04b, Mat01, Osw01, AMM16, AW23, AL23, BR17, CM99, Dri93, Rip93]. **elevation** [FJ96, Maz11a]. **elimination** [LZX23, MGL20]. **ellipsoid** [MW24]. **Elliptic** [ABMV03, BD02, NW04, SK04, ACE99, ACH17, ACH19, AVI97, AK09, BFK11, BK08, Car95, CK24, CZ94, CZ95, CFL19, CLWH20, CJK22, DBAE09, Gha18, Van12, HP18a, Huc92, JK19, Kar10, Kar13, Kar15, KJC18, Kun05, LYL15, LW17, MM00, Mil20, MS20b, Moo20, MWWY13, OMW21, She15, ST99, WL22a, WZ22a, XZZ22, XH20, YWWR12, YL16, YZ11, ZW14, ZZ19, ZZ23, ZWX19, MRU91]. **elliptical** [ALZ20]. **EM-like** [Wan15a]. **embedded** [AL23, BDJ11, CD07, RSKB17]. **Embedding** [BD03, BD04a]. **EMC** [LL22b]. **EMC-HDG** [LL22b]. **Emden** [ITA24]. **emission** [BG11, RVF07]. **employing** [CS08, SAE19]. **Enabling** [PTW22]. **Enclosing** [Pop18b, Wat06]. **Enclosure** [BL04, Eft15a, Eft15b]. **end** [HV98]. **endpoint** [Pop21, Zha23]. **energetic** [ADG10]. **Energy** [CY19, DCW23, LM04, LG19, YK22, ZLQT19, ABI22, BWC22, CZH22, CLPY23, Dam08, DW21, EAGS20, HKCW24, LZM23, LZW20, LL20c, LS20, Liu21, LL22c, LT24, MS24a, Miy24, Rab23, Rei98, Rip93, YZZL17, YZLZ22, YL22, ZYQ+21, ZY23]. **energy-conserved** [YL22]. **energy-conserving** [ABI22, LZW20].

Energy-preserving [DCW23, LG19, ZLQT19, BWC22, DW21, HKCW24, Miy24, YZZL17, YZLZ22]. **energy-stable** [LS20]. **enforcing** [Kub23]. **Engineering** [CCK04]. **Enhanced** [SMN24, BC01a, GS19c, JRS09, SWJ24]. **Enhancement** [LHZ20b]. **Enhancing** [NR24a]. **ENO** [ABT07, ADN17, Ber10, HMS96, OKB23]. **ENO-based** [OKB23]. **ensemble** [JY23, YYLX23]. **entire** [CD00]. **entries** [CT06]. **entropic** [Hua96]. **envelope** [Luc06]. **Environment** [LS03a, MJF09, NPS09]. **enzymatic** [SMK14]. **epidemic** [LWLT19, YH24]. **Epsilon** [Rob02, CHH$^+$20, CCHH23, JS15]. **epsilon-type** [JS15]. **Equal** [Mar04b]. **equalities** [GZP18]. **equality** [CCL18, Che94, CRN19, zDYG18, HHF22, JR20, LJ22, THF21, Wan17, ZLWZ21, ZZ22a, ZLZ23]. **Equation** [BK04, Boy05, Cro03, DOS03b, Gra03, HL03, KV04, Lui02, MN01, MS01b, AGS08, AD17, AD22, AM24, AAH20, AM01, AZ19a, ASS13, AWL$^+$24, And14a, AMM16, Ant18, Ant22, ACH19, BQ19, BC14, BEHS20, BX17, BH92a, BZV16, BW15, BM09, BS19, Bou06, Bra06, Bra07, BX19, CZ23, CMD19, CXL16, COSE22, CLTA10, CLA11, CLT$^+$13, CC16b, Che16b, CCJC18, CY19, CCHH23, CJKL23, CMWP20, Cui13, DWZ14, DL21, DMA09, DS09b, DAM16, DMD16, DZ13, DCW23, DI11, DLR24, DGST15, EH97a, FYYW19, FZL$^+$16, FHC21, FSY23, FRS21, FS16, FYI$^+$12, GX19, GK20, Guo16, HT23, He16, HP18b, Hei07, HV22, HA16, jHyPlZ06, HZX21, HLTA16, HTVY13, HM18a, HCXL20, HS21, HWZ24, Ila20, JBJB17, JZYY23, JWZ23, JWY21, KKPT16, KS18a, KM24b, KCHD16, KR11, KV07, KB20, KK22b, Lam09]. **equation** [Lee94, LWD23, LSZW19, LRL19, LHZ20a, LL22b, LKQ23, LZ23a, LGC24, lLhYfD07, LTFL10, lLHNS23, LDL$^+$19, LL20c, LD20, LP20, LLC20, LL20b, LS20, LW22, LWZ23, LZ23c, LCGH23, LA22b, LHW13, MY22, MB09, MD21a, MBR21, MKA14, MV14, MS23a, MM09b, MM22, MWZL23, Mic91, MRU91, MClXzJe16, MDL15, MK17, MA13, Mok16, MMLM20, MM11, MA12, NS24, NPR08, Ngo23, OKP21, Oua99, PED15, hPwL09, Pen13, PV00, Pop18b, QQX23, RM11, RT19, RhG15, RK11, RR22, Sal17, San14, SB21, SKP20, SLA11, SDL$^+$23, SCF23, SKTGR19, SW22, SYLT14, SJW21, Str05, SzS21, SZQS23, SZ24, TA24, Ter22, Val14, Val15, VdR13, WH15, WLMA21, WWBM21, WLZ22, WZC23, WS24a, WZZQ24, WC24, Wei18, WZ22b, XyJl16, XM16, XZW13, YZZL17, YZLZ22, YSLH19, YZL20, YPL21, YC22, YXS22, YLD11, YYLX23, YL22, YJX15, YYW21]. **equation** [ZWFY19, ZWWW20, ZW12a, ZJ14, ZW14, ZHT15, ZP17, ZJWF18, ZZ19, ZYX19, ZJZ20, ZBX21, ZYQ$^+$21, ZZ22b, ZL22a, ZQzS22, ZF22, ZLLH22, ZLH22, ZY23, ZQS24, ZZ18, ZLS24, ZZWK12, ZTZZ19, ZXL23, ZLTA16, ZS19]. **equation-by-equation** [DLR24]. **equation-dependent** [FYYW19]. **equation-error** [KV07]. **equation-free** [MBR21]. **Equations** [AAAS03, AG03, AEG02, AKKW03, Boy05, But02c, BH02, CM01, CC03, Che02, CGL01, DL03, DM03, ED05, EJR02, GF02, GSA03, HEOS04, Jbi03, KM04, KB02, LJW17, LER03, MO04, NW04, PL04, PG05, Rec01, RS02, SS03, SGM02, SER02, TDKB24, TRRD02, WHL24, vLV02, AS11, AR24, AAFL23, AAM24, AK19, AIA$^+$24, AB06, ATC16, AWH$^+$24, AAB13,

ALJLYJ24, ABB15a, AABM08, ASS11, AKB15, AE09, AA09, AM98a, ABI23, AR99, ASGJ+20, AC11, Ano17, ALZ21, Arg10, AH11c, AGS20, AG23b, Arn97, AAA24, AH18, AAD14, AHC13, ACH17, AKKT16, AKQ17, Awa10, AB23, BDN17, Bai97a, Bai97b, BRY14, BGR23a, Bar91, BBQO07, BJ98, BNN16, BDV18, BJNKR20, Bel94, BB14a, BQO99, BEQOR14, BHS14, BH17, BPS23, BHW23, BW13, BT14, BD17b, Bhr16]. **equations** [BK13, BK18b, Bic11, BV99, DOT21, BSF17, BEH24, BZ24, BS92, Bre99b, Bru93, BB14b, BWB24, But10, CQ16, Cai22, CGPM00, CCJ10, CA07, CIP10, CS99, CHH+20, CP00b, CL05, CL06, Che14, CQLY15, CX20, CL21, CSZ22, Che22, CS22, CLPY23, CHYH24, CH11, CC13, Che19, CCD10, CN17, CNR15, CHMT10a, CLBT15, CPS12, DJ10, DFJP10, VV07a, VV07b, Dah93, DWC18, DW24, DEC24, DBTG24, DSI11, Das19, DL18, DP21, DZW17, DW21, DW22, DCW23, DW97, DZS21, DEM93, DB06, Don13, lDzS21, DM92, Dze15, Dzu13, EG10, Eft15a, Eft15b, EG18, EA12, ES19, EL01, EHV19, EED19, FY13, FWC16, FYM14, FNS19, FHL21, FGJ00, FH15, FS01, FMD23, FS23, GA15, Gal18, GZL24, GM06, hGzS17, GKRS22, GG22, GM23, GH09b, Gon16, GCPG99]. **equations** [GLdO09, Van17, GKV23, GMT92, GM97, Gu20, GW24, Guo13, GMY18, GL19, GL23, GJVW24, HJ18a, HH12, Hai09, Haj16a, Haj16b, Hal14, HZPW23, Han22, HM22a, HM22b, HCL21, HP18a, HV15, Hei06, HVYMS23, HSTW14, Hey99, HSE16, HASI23, HST15, HZ20, HKCW24, HL17, HM18c, HM18b, HM19a, HYJ20, HL20, HZ24, HZX20, IY15, IAAH24, ITA24, IZ24, ICR06, IJE15, JT96, JVH15, Jbi93, JLFL19, JZF+20, JM18a, JWL20, JWY21, JY23, KMH24, Kam15, KJ18, KKB16, KCBT21, KT07, KSB08, Kaz24, KM17, KL17, KLF17, KGH14, KSCS07, KSCS08, KK22a, KE16, KLL10, KKM20, KS06, KKS24, KLR07, La 17, LLAL21, Le 92, Le 98, LMMH11, LW13, LWwCL13, LW16, LHW17, LG17, LG18, LWZ18, LR18, LZL20, LHM20, LZlL20, LD21, LZ21, LDH23, LLD23, LWLW24, LM14, LKBF17, LZZ19, LXZZ21, LDZ24]. **equations** [LZ16b, lLLVZ17, LZW20, Lie00, LZ09, LWJ21, LT20, Lin09, LYL15, LSW16, LM17b, LW17, LF19, LM21, LJWW21, LSY+23, LCZZ23, LZZ24, LWN13, Lor19, LKK21, LHW13, lLXhL22, LV18, LV21, MKG24, ML20, MH21, MH23, MJJ+23, MBJ17, MN23a, MAH22, Maj14, Mal21, Man21, MCW22, MPS20, MV17, Mic23, Mil19, MNS23, MP22, MDH16, MA22, Moh10, MG11b, MR96, Mon96, Moo07, MLM19, MWWY13, MAFN16, Nac99, NBK17, Nat07, ND21, NHP06, NLT21, NRV23, NNCN23, NAA19, OL23, OCWV24a, OCWV24b, PT19, PNW17, PQS22, PP24, PLZ+24, PS16, Pie96, PV98, Pis16, PS09, PS17, Pog98, Prz16, ROB17, ROB18, RS20, RF23, RT12, REM21, RS97, RG10, SAC18, SSS14, SP21, SS11a, ST17, SW10b, SW14, SGS13, SA14, SSYL20, SY20, Shi96, SCDM20, SL21b, SFS23, SZ23, SGJ15, SLT20, SS24c]. **equations** [Sla06, Śmi06, Śmi09, Śmi13, Smi97, SS16, Sol11, SMN24, SHGL22, SMA99, Sti18, SZX11, SZ20, SZ21, SG23, SS24d, SSH20, TPY14, TX19, TH23, Tem08, TS15, TY21, TL24, TN10, UA09, VH10, Van19, VLCL16, WLL12, WG13, Wan15b, WCB15, WZ15a, WCLW16, WGZ18a,

Wan19, WW19, WZ19, WQL20, WMCW21, WCHK21, WSZ21, WHD22, WYZ22, Wan22, WD23, WQ23, WSLL24, WWL24, WQZH24, WLJ24, WHS20, Wei17, WZ22b, WK93, WB17, Wri01, WC10, WC13, WCD21, XT16, XLW20, XL24, Xu19, XH20, XSL22, Yan95, YJ18, YHQ19, YBK+21, YH21, YZ21, YJ21, YSLL23, YL16, YJJ+21, YXL18, YWZ19, Yua21, YP09, YQM16, ZTW19, ZR17, ZA20, ZBDK23, ZLW+13, ZLG+13, ZSF18, Zha20, ZY21a, ZHFW21, ZYW23, ZSLZ24, ZXF14, ZFX14, ZXLF15, ZH23, ZCG15, ZL17, ZZB20, ZYW22, ZJ23, ZZ10, ZYLN18, ZE10, aZ19b, dAFPR23].
equations [dFO11, FHS12, ABB15b]. **equidistant** [AAAGAD23, BSL18, Car10, SS94]. **equidistribution** [KMS05].
equilibrium [AAH18, AT21, Den14a, DHF21, HS20, HMA16, Hie18, Hie19, JA22, JM18b, KAF18b, KD18, MN17, PT17, PK22a, PK22b, SSSS22, VTV22, YHQ19].
equispaced [BT23]. **equivalence** [HT21, Mit11]. **Equivalent** [AK09, Ern00, ZLZ23]. **Erdélyi** [PS17]. **Ericksen** [MWZL23]. **ERKN** [WW14, YZ17, ZYW17]. **eRPIM** [HS15]. **Erratum** [ABB15b, CZ95, CP95b, Cou15b, DCM+13, DLL12a, DW15b, Eft15a, EHN17b, Gau13a, Gau17a, Jai17, MT14, PP17, Tov98, WZZ07a, dC16a].
Error [ATM19, Amo02, BEM99, BBHM03, BRS08, BRS09, Bro05, BJ02, CLWV15, DLL12b, DFF04, EG18, FYI+12, GEP14, GL04, Haj16b, HL02, IDS16, KPS22, KK22b, LW14, LL20a, LGP11, MY22, MV02, MP99, MM23, NIN12, OOOR12, Pej14, RRS09, SS03, Tir02, VPL97, WDY04, ZWX19, AD17, AHIJ22, AHJ22, AM24, ART14, ALZ20, ASGJ+20, AMM17, AMR15, ASHF21, AMKV96, AAA17, AKPW05, AKT15, BMA16, BGR23a, BDL+12, Ber07, Ber11, CMRS00a, COSE22, CSZ22, Che19, CYM22, CY10, DLL13, DW22, DPS18, EL08, GWL18, GEP16, GEP19, GA20, Van12, GLM15, HV15, HCXL20, HS21, Ihs07, JL12, Jaw22, JV98, JLMP16, JL15, KXXW21, KL17, KV07, KKS22, KKS24, KBP17, LZ14, LS15a, LL16, LDL17, LWG18, LYH+20, LZlL20, LCH20, LRY18, LN22, LW22, LCZZ23, LRM16, LZ22d, MV13].
error [MV14, MCW22, Mas95, MS24a, Meu97, Meu99, Meu05, MT13, MT14, MT19, MPT21, MT23, MN11, MAK20, Nar05b, NK16, Not12, PV22b, PT24, PZL15, QZG+19, Roh07, RG10, Rum14, SS24a, SKP20, She15, SFS23, SZ23, SLT20, SN22, SH17, TTV21, Van19, WW19, WZ22a, YJ21, Zag24, ZA20, ZZL17, ZLH21, ZWLZ24, ZWX22, ZZY24, ZLTA16, dC20, DLL12a].
error-controlled [AM24]. **Error-free** [OOOR12]. **Errors** [Dab04, Mat01, BD09, KL17, LDN16, MW16, Meu23, Tam10, WK20, Zas22].
ESIRK [BC01b, Che02]. **ESPIRA** [DPR23]. **ESPRIT** [DPR23]. **Estimate** [HSY23, SS03, AD17, ALZ20, BEM99, CSZ22, Che19, CYM22, JL12, LZlL20, LCZZ23, MN11, SFS23, SLT20]. **estimated** [EDAM13]. **Estimates** [AR20, GS94, HL02, Meu05, Meu09a, WDY04, AR16, AAA17, AKPW05, BGR23a, BM94, BRS08, BRS09, Bro05, CMRS00a, COSE22, CY19, DL09, Haj16b, Jaw22, JL15, KBP17, LCH20, LZ18c, LN22, LW22, MY22, Nar05b, RZ23b, RRS09, SS24a, SKP20, She15, SZ23, SN22, Tac12, YJ21, ZA20, ZLH21, ZWX22]. **Estimating**

[AH13, BG91b, Dea15, FDFM23, PT24, SSH19b, BQ19, VDVJB12, YC22]. **Estimation** [BJ02, DVJBN03, GD15b, MK98, Tir02, AHIJ22, AHJ22, Ali23, AWL+24, ASHF21, BQ19, DWX17, Dra00, FGP91, HHLS21a, HHLS21b, HCXL20, JV98, KP96a, KKS22, KKS24, LWLT19, LRM16, Mel10, MPT21, Mic93, MAK20, Roh07, WWL24]. **estimations** [DW22, MCW22, NC94]. **Estimator** [KW04]. **Estimators** [ABMV03, MV02, ASGJ+20, AKT15, LGP11]. **etc** [dC20]. **Euclidean** [Dam08]. **Euler** [ABB15b, ABB15a, BP22, Che16a, CMP22, DMYT23, GMY18, HSY23, Kar00, KL22, LDH23, LM17b, Maj14, Mil19, NT21, Sab92b, Sab14, Sîn07, SMA99, SYZ22, YW17, YJ21, YLYZ23, ZWW21, ZP23, ZG09, ZJ23]. **Euler-type** [NT21]. **European** [KN23, KMV17, ZLT+17, ZZ22b]. **Evaluate** [CCG01, BBZ95, CP95a, CD96]. **Evaluating** [ACH14, CC12, FLMR00, Ter23]. **Evaluation** [CR03b, GA08, LZRJ92, Pas06, RS97, BV93, BF99a, CW21b, FHH05, FKP06, Gau08a, GHM24, GS95, HNSH09, HPS13, Hun95, IP16, JL16, Kie23, KP09, Kim21, KK23, Kob97, Lyn08, PSS10, Pas95, Pow93, SHF15, XX16, ZuI19, de 93]. **Evaluations** [SMB02, CS08, GP05]. **even** [Ber11, GN12, KSW09]. **even-grade** [GN12]. **every** [KH18]. **evolution** [AKQ17, WZ23b]. **Evolutionary** [CC03, LPV03, ST21, ASZ23, HFDSC24, LHR20]. **Exact** [AL23, HEOS04, KS18b, LA22a, Lóc18, AMR15, GL19, MN23c]. **examples** [Maz12]. **exchange** [BS21]. **exclusion** [DY93, Yak94]. **Existence** [DD20, IAH20, LA22b, MS01a, NS01, BH09, KM19, Maz05b, Zaf22]. **expanded** [Hu22, JZYY23, LYL15, SKP20]. **Expansion** [FH05, LL05, LMMD05, ME95, Ter22, VH92, ZFZ19]. **Expansions** [CD01, LW04, MC05b, MC05c, GL20, HIK17, KV12, LGA+00, LI10, Mül00, Pow93, QW08, Sid20a, Tem97, VPL97, Wal94, WGZ18b, WWL24, WL00, Zha23]. **expectation** [JR20]. **expensive** [Liu11]. **Experimental** [MP00, CB13, Kno23]. **Experiments** [BCJ99, BM03, BHS23, CK05, Meu99]. **Explicit** [CJ12, FHL21, IN95, RW06, SW19, SFT03, Ver14, Wri02, AHIJ22, AHJ22, Bla15, BHT16, CJSZ14, CT10, CDLW21, FR18, GM20, IJ19, JA22, KCHD16, KLF17, KS20, Kha14, LW14, LDW18, LT20, SW10a, SL21a, SQG13, ST92, SHGL22, SZ20, TX19, Ver24, WW14, WYZ22, YH24, ZYQ+21, Zha24]. **explicitly** [YJ18]. **exploiting** [Vos00]. **exploration** [DMZ20]. **exponent** [BEL23, LDH23]. **Exponential** [BL04, CR02, CIP10, DP01, Ixa19, JLP20, MVVA08, Sab03, Zah09, AH17, BKF20, BR07b, CL06, DBTG24, DMR20, DMR21, DZH23, FHL21, Gau15, Gau22, Ixa21, JWY21, KC23, LZ23a, LKBF17, LDZ24, NP18, OB16, PW14, Rad08, SFMK23, Sat24a, Sat24b]. **exponentially** [VV07a, FR18, NZF11, VV11]. **exponentially-fitted** [VV07a, VV11]. **exponentiation** [CS18]. **expressions** [Ixa19, Pas99]. **Extended** [BEJ20, HEOS04, LDW18, LWS18, AHJ17, AT21, BD98, CCL18, GA20, GQ09, HHHN07, HZX21, HZ24, Ila20, MS24b, NBJA17, PP16, PP17, Pre93, RR23, Sch17, SH21a, WW19, Wu22, YW17, ZY21a]. **Extending**

[AH11b, AGS20, BBC21, SH23, Sza92]. **extensible** [HM22c, OBAHK+19]. **Extension** [TO21, AH11a, Eft15a, Eft15b, GL21, Han93, MA15, MFK+15]. **Extensions** [Amo02, Osa92a, SH22, ABK22, Bou17, LSY+23]. **exterior** [BF18, Loh22, Rab23]. **extinction** [YH24]. **extra** [Ter23]. **extra-component** [Ter23]. **Extracting** [KW00]. **extragradient** [DHF21, DJG18, HMA16, JA22, KD18, LQ20, OAMA22, PT17, TQC22, TH18a, TH19a, TH19b, TTLD20, VS19, YLL20]. **extragradient-like** [LQ20, PT17]. **extragradient-type** [VS19]. **extragradient-viscosity** [TH19b]. **Extrapolated** [PN21, LKBF17, ZZ17]. **Extrapolation** [And19a, Ano92, BCK06, BT23, Bre04, CJSZ14, CH11, Coo03, FRR07, Osa92b, Rab92a, ABL...12, BEJS21, BJT24, BR07a, BC05b, BESC22, BRZ96, BRZ20, CLTA10, DW97, DSS14, EG19, GPGVS92, JRS09, JS15, Kul10, KR20, LHW13, MN92, NP22, PDS+23, RVF07, Saf10, Sal94, Sid94, Sid17, Sid20b, SS08, SS12b, Tai92, Wan19, dC20]. **Extrapolation-based** [CJSZ14]. **Extremal** [Thi93]. **extreme** [CHY19, MT19].

F [AG19]. **F-B** [AG19]. **facility** [Xue95]. **FACR** [Bia94]. **factor** [BKS13, CWHL20, EK94, HZ15, SZ24]. **factored** [BEQOR14]. **Factorization** [BFGM03, vdHS02, ACSD16, BSB23, CMM17, DLC14, DLDW21, DDRT97, GHM16, Hua18, KC24, KRS19, MVG21, Orb15, PLH20, SST92, TS92, TT06, XQZ24]. **Factorizations** [Tur94, BH92b, BK16b, DM22, GNT24, HHLM23, MP00, TK94]. **factorized** [FP18]. **factors** [Ste95]. **Faddeev** [PS06]. **Fading** [ZBDK23, CMD19, DC17, VMMD21]. **Faedo** [BT14]. **fail** [KSW07]. **Fair** [DHS09]. **Falk** [Har20, Mat15]. **Falkner** [LW13]. **Falkner-type** [LW13]. **fall** [CGM93]. **falsi** [CL06]. **Families** [McL02, AG00, BD09, BE20, Den14b, FW13, KT07, NHP06, PP18, Rob97]. **Family** [CPP14, NSS03, YWS20, ARTY20, ACM93, BD10, BCM16, BCMT18, CCTV16, CN16, CLBT15, EGSHVN15, FYYW19, GMZ19, HM14, Iva17, JLJ22, KKB16, KAF18a, LK20, LSY+23, Mer92, Miy24, NBK17, NBJA17, OAR22, PM05, SS10, SKTGR19, Sto93, TA96, WZ13b, WSK14, WK14, WK17, ZCT19, ZCGS24, ZG09]. **Fan** [Wat93]. **Farey** [DM92]. **Fast** [ASVC21a, ASVC21b, AM18, AAA24, Ave20, BD02, BD04a, BFGM03, BESC22, CMM15, CLMM05, CF05, CL21, CW21b, DH04, DZW17, DZH23, DSS14, EED19, FKP06, FM99, GST21, God15, GKV23, HG93, HR03a, HL20, KP09, Kim21, KRS19, Lee94, LMV00, LHZ20a, LZL20, LDH23, LX17, LJW17, Luc06, MS14a, NP18, NC94, PNW17, Pet01, RT19, Rum12, SWB08, SVZ01, Som05, Tas93, WLY+21, YQM16, ZZ22b, vdMRS06, AA15, AR10, AMKV96, AVI97, BDL+12, BC06, Bel08, BW15, BP19, BD00, CDSV11, CH22, DMC20, DM98b, DG17, DN24a, Ehr97, FZLL23, FLG08, HLL22, Hem94, HL17, HYJ20, Ihs07, JZF+20, JWZ23, JWY21, Kaz24, KPT23, LlLZ21, LX23, LCZZ23, LWN13, LXQ15, Luc97, LKKM15, LV21, MFBB23, MDH16, OOOR12, PJ22, PPV09, Pow93, SzS21, Ter23, WCH15, Yal01, YYW21, ZYW23, ZP23]. **fast** [ZLS24, Ave20]. **Faster** [Luc97, TL23, Cat24a, Cat24b, PDRG19, SI13].

fastly [ML22]. **fault** [CM05, GLRSG08, MS23c]. **Favard** [BGVHN92b, dR99]. **FB** [HBP13]. **FCC** [KK23]. **FD** [LPRÁ24]. **FDEM** [DdAF+20]. **FDEMtools** [DdAF+20]. **FDTD** [JLFL19]. **FE** [YSLL23]. **Feasibility** [EGSV04, BCK06, BBCS21, Buo17, DLLD17, GPGC98, KPC20, KS23, MWsC19, MG18, RT24, SPV20, SCD+21, SIE16, TKSG23, TQW24, Wan18, ZW15]. **Feasible** [KPFG04, LLS11, MLM19, PW22, mTLbJlL14, YZ17, ZFH23, Zhu15]. **feedback** [YX11]. **feedbacks** [HLL22]. **Fejér** [Chk20]. **Fekete** [KST21a, KST21b]. **FEM** [CK24, GM20, LHM20, Lin09, MS24a, SKP20, WLZ22, YWYN22]. **Femlab** [Sla06]. **Femlab-Control** [Sla06]. **FEMs** [SZ23, YJ21]. **Fermi** [SS11b, ZZWK12]. **fever** [LWLT19]. **few** [Maz09b, Wri95]. **fewnomial** [BHNS16]. **fewnomials** [BHNS16]. **FFT** [KKV22, PW16, PWCsL18]. **FFTRR** [DG17]. **FFTRR-based** [DG17]. **FFTs** [AMKV96]. **Fickian** [RF23]. **Fictitious** [Kun01, YL16]. **Fictitious-Domain-Lagrange-Multiplier-Approach** [Kun01]. **Fiedler** [CFRV23]. **field** [CEK21, CDS20, Han93, HK14, LL20c, LZZ23, NAR05a, SZ20, SZ21, WG99, XCY21, YK22, YZBJ21]. **field/circuit** [CDS20]. **Fields** [Che01, ZZX+23, le 91]. **Fifth** [BM03, LMMH11, GB21, RGJ10, SSK23, ZG12a]. **Fifth-order** [LMMH11, RGJ10, SSK23, ZG12a]. **filled** [LGW14, fLxX12, PSWE23]. **filling** [CLMM05]. **Film** [TE03]. **Filon** [ZH17]. **Filon-type** [ZH17]. **filter** [Cou15a, Cou15b, GZ11, JS23, KK22a, KE16, Laz99, LZ18a, LKK21, PSZ23, PR93, Tur94, YY13, Zhu15]. **filter-SQP** [GZ11]. **Filtered** [DOT21, Mia19, GV99]. **Filtering** [Bre04, CR02, EKM03, Cic20, Sar06]. **Filters** [WDY04, LM97]. **finance** [KN23]. **find** [LMUZ19]. **finders** [ARY17, BCMT18, LK20]. **Finding** [FM04, MS01b, NAA19, PSWE23, AK15, BDN17, BEGG91, BC17, CCV23, CN17, GLL19, LMMH11, LRL22, OIM21, Pan96, PR14, PH20, QAS+24, SDMMK18, TLD+23, THS20, WK17, WMCW21, ZXRL11]. **Finite** [ABMV03, BBHM03, BRMG18, CP01a, FZL+16, For22, HM19a, JKNR13, KLT03, LTFL10, Mat01, ML10, Osw01, OB16, SW22, SMA99, SS94, Tsu02, ZL22b, ZLCW23, ANI15, ACF99, AE09, AAIT94, AHL20, AW23, AL23, Ber07, Ber11, BBB22, BFK+09, Bia12, BW15, BR17, BX19, CWZ13, CM99, CL10a, CXL16, CHH+20, CLA11, CLWH20, CS12, CV15, CL93, CVX16, DL21, DS15, DW21, DZS21, DK00, DZ19, DZ21, DMW23, EA12, FZLL23, Far20, FHC21, GHC15, GMZ19, GG22, GX19, GS14, GA20, GLRSG08, GGS22, GRT97, HLL22, HCL21, HKE97, HFZ19, Hu22, HTVY13, HL20, HS21, JCL16, JZYY23, KCHD16, KAF18a, KLL10, KBP17, LLAL21, LWD23, LHW17, LR18, LRC19, LMUZ19, LLX20, LD21, LDX23, LGC24, LJ11, LZW20, LS15b, LDL+19, LCW20, LH23, LWZ23, LZ23c, LZZ24, MS20a, MY22, Maj13, MC05a, MDR23]. **finite** [Mil13, MA13, MA12, NAHZ21, NW19, ND21, NMM18, NV21, NT21, OMW21, PNW17, PV22b, PLZ+24, QQX23, QXGZ20, Rah11a, RS93, Sch08, SS24a, SW10b, Si12, SLT20, Sv95,

Śmi06, SS16, SR24, Spr01, ST98, VW08, Val14, Val15, VLCL16, WSY12, Wan15b, WYZ21, WZC23, WD23, WDL23, WQZH24, Wei18, WLY+21, XX16, XSL22, YJ18, YHQ19, YZ23, YH97, YQM16, ZZH15, ZSF18, Zha19, ZZZ20, ZHFW21, ZD21, ZYJY22, ZL23, ZYW22, ZLTA16, iV12, ZLT+17]. **Finite-difference** [BRMG18, CS12, DK00, NV21]. **finite-element** [GRT97, NMM18, Sch08]. **finite-part** [DS15]. **finite-step** [ANI15]. **FIR** [Cou15a, Cou15b]. **First** [ACE99, LGL23, Mar04b, AGG17, CC18, DHJJ10, EGSHVN15, FHL21, FGL19, JWCZ21, LM21, MS06, NS24, PP24, PP18, RSKB17, WHZ+18, dAFPR23]. **first-** [WHZ+18]. **first-kind** [LM21, NS24]. **first-order** [AGG17, DHJJ10, FHL21, FGL19, JWCZ21]. **Fischer** [ZLLC11]. **Fisher** [Ila20]. **fit** [BWB24]. **fits** [GGN18]. **Fitted** [CV15, EA12, OCWV24a, OCWV24b, Val14, VV07a, FYM14, FR18, JSF13, Li17, LG19, MVVA08, NBJA17, SS15, VV11]. **Fitting** [ASS03, Wat06, AS08, AG00, CIP10, CK05, CV92, Ell93, Ixa21, MKS18, Sch08, WD95, WK93, Wri95]. **fittings** [Ixa19]. **Fitzpatrick** [XZL12]. **five** [But98, MA95, QZG+19]. **five-diagonal** [MA95]. **five-step** [QZG+19]. **Fix** [GZ20]. **Fixed** [GF02, Bag16, BMR97, BRZ19, CSI16, CSI17, CSI18, CCL18, CD99, CRN19, Den14b, Fan15, GM23, HS20, Ihs07, IS22, IAH20, IKMS24, JM18b, KAF18a, KAF18b, KLZV95, Lei15, LP18, LLD23, LRL22, LCL21, Lyn08, MWsC19, MN17, OMU+24, Osa92b, PKC19, PM22, PKC18, PG12, PPPN23, PDRG19, PN21, RZ16, RT22, RTTH22, Sab91, SIE16, SI18, SC18, TAM21, TH19a, TH19b, ZFC18, ZH19]. **fixed-amplitude** [Lyn08]. **Fixed-Point** [GF02, JM18b, PM22, PPPN23, PN21]. **Fixing** [BBC21]. **flat** [YXL18]. **Flattened** [JYLC21]. **Fletcher** [BKG15]. **flexible** [PV00]. **flights** [JS21]. **Floater** [dC16a, AHP20, MNS23, dC16b]. **Floating** [DHL+04, DH04, GWBC20, GLM15, JLMP16, OO22]. **Floating-Point** [DHL+04, GWBC20, GLM15, JLMP16, OO22]. **Flow** [AA03, CGN03, Jan03, BBL23, BM24a, BBB+06, BGL07, CL00, CLPY23, CJKL23, CW17, HHST19, HMS96, Hol98, KLB10, KBP17, Liu21, Met19, MSMS12, MSM12, NZF11, NAHZ21, Pan18, Son93, ZD21]. **flows** [ASZ23, CEK21, DG17, FT24, FHAL15, GB21, LC21, LL22c, MDR23, Mot14, RRZ21, TCOA19, Uhl22a, Uhl22b, WSY12, WCB15, ZS22]. **FLR** [HHHN07]. **fluid** [ASZ23, ABV23, BBL23, BGL07, CC18, Hol98, KBP17, NZF11, NAHZ21, Pan18, WSY12, XL24, ZD21]. **fluids** [FHAL15]. **Flux** [Jan03, LDX23]. **fluxes** [Che19]. **FMM** [KZ21]. **Foerster** [HT23]. **Fokker** [LD20, MM22]. **Following** [MP02, CVLX19]. **FOM** [EHTSM21, Ess98, RS02]. **Föppl** [YXL18]. **forced** [CZLS18]. **Forchheimer** [LRC19, LCW20]. **forecast** [NZ19]. **Form** [GL04, Neh04, AAAA+18, Bos21, CDW95, CS08, FLT09, GHC15, GCPG99, HRY19, JR20, KCHD16, KP09, MRV23, Mar96, MK94, MK97, REM21, Sch09, TPY14, WZZ07a, WZZ07b, XZL12, ZW12b]. **Formal** [Arn97, BV95, Dra96, Dra02, FT05a, Bec96, CGV92, Dra00, KP22, MT98, TBA94]. **formally** [WZQ17]. **forming** [KS14, MT15]. **Forms** [Che01, Sab03, CD99, Her96, Loh22, MZ99, Rob92, RSCH+19, Ska13, SH17].

formula [Ash19, AP21, AAH24, BK16a, BCM07, Ber93, Ber07, Ber11, BG13, Cam95, CKP22, CM92, CY10, HMS11, LMUZ19, LM15, LSM16, OPSM22, SS14, SH21b, SSH19b, YKY15, ZQL+19, ZLL+21a]. **Formulae** [KP03, AH21, CS12, DPS18, Gau00, Gau09a, Not95, Not08, Not12, Spa24, SH23, SSH20]. **Formulas** [IM02, AAP24, BHS17, BGVHN96a, BC09, Che13, CD07, CBGVN07, For22, GM92a, GS94, Hai08, Kal00, KS06, Lau07, lLLVZ17, MM08b, MM09a, MG91, MG94, NBJA17, Spa07, Spa20, YZH21]. **formulated** [BSF17]. **Formulation** [FM04, BH92a, GM20, JM00, KPS22, Mez22, MG11b, Oua99, SFZ22, dOS07]. **formulations** [Cdv98, HJ21, SGO22]. **Fort** [DCW23]. **Fortran** [Lai92]. **forward** [BC16, CS24, Cho16, JCH23, SBG24, SB21, SSP15, SZ20, ZWLZ24, ZL17, dC22]. **forward-backward** [CS24, Cho16, SBG24, SB21, SSP15]. **forward-backward-forward** [BC16]. **Four** [FGR01, MC05b, MC05c, NS01, AG19, AABM17, Bos21, CFR06, HMS96, Lai92, MDL15, PTW22, Sab91, VV11]. **four-dimensional** [PTW22]. **four-direction** [CFR06]. **Four-Directional** [NS01, Lai92]. **four-operator** [AG19]. **Four-stage** [FGR01, VV11]. **Fourier** [Ave20, AVI97, BD03, BBM08, BHS17, CG07b, CCW21, DHMS16a, Hom92, Hom98a, HIK17, JWY21, KPT23, LGA+00, LSX10, LZ23a, Mel10, PPV09, SI13, SW14, WDY04, Wri95, ZHT15, ZKD04, dFG93]. **fourteenth** [SS11a]. **fourteenth-order** [SS11a]. **Fourth** [DMA09, FG03b, KMV17, Vul97, AHC05, Bac21, Bac23, BCM16, Bia12, BW15, BV09, BGZ20, CRHTV24, DD20, DZ13, DDRS23, DZH23, HZX20, KCBT21, KM24a, KLF17, LKQ23, jLyLqW17, LA22b, ME95, Miy24, SP21, SGS13, She15, WGK11, ZCT19, ZP17, ZYX19, ZF22]. **fourth-** [KCBT21]. **Fourth-Order** [FG03b, DMA09, KMV17, Bac21, Bac23, BCM16, BGZ20, CRHTV24, DD20, DZ13, HZX20, KM24a, KLF17, LKQ23, LA22b, Miy24, WGK11, ZCT19, ZP17, ZYX19, ZF22]. **Fractal** [HAN24, Man07, PGC24, ASV23, CA22, CAV23, GHM24, VP23, dCOS21]. **fractals** [GHM23]. **Fraction** [Van03, LM15, LSM16, Mor11, SKJ+18, WL00]. **Fractional** [DFF04, DM03, KK22a, ML20, NRV23, TDKB24, WSLL24, WHL24, AS10, AD17, AD22, ALB+18, AH23, AWL+24, ALZ21, AH18, BD17b, BKF20, Bhr16, BZV16, BX19, CCTV23, CMM15, CG20, CLA11, CC18, CY19, CX20, CL21, CDLW21, CS22, CJ17, Cui13, DWZ14, DAM16, DP21, DZW17, DW97, Die08, lDzS21, DN24b, FAMA20, FNS19, FZLL23, FZL+16, FS01, GZL24, hGzS17, GKL21, GK21, HZPW23, HCL21, HP18b, HV22, HA16, HZX21, HLTA16, HZ20, HTVY13, HL17, HYJ20, HL20, HS21, HWZ24, ITA24, JBJB17, JZF+20, JWZ23, Kam15, KS18a, KZS21, KN23, Kaz24, KR11, KLF17, KKA17, KB20, LLAL21, LWD23, LHW17, LR18, LSZW19, LWLT19, LHZ20a, LHM20, LLX20, LKBF17, lLLVZ17, LWJ21, lLHNS23, LRY18, LDL+19, LD20, LJWW21, LWZ23, LV18, LV21, MKG24, MH23, MD21a, MN23a, MCW22, MS23a, MA13, MG11b, MM11, MAFN16]. **fractional** [ND21, Ngo23, NT21, OCWV24a, OCWV24b, PNW17, PQS22, PED15, PLZ+24, PS17, QXGZ20, ROB17, ROB18, RF23, REM21, RhG15,

RR22, Sal17, SFMK23, SR16, SLA11, SCDM20, SCF23, Sid20a, SS24c, SMN24, SYLT14, SzS21, TA24, TH23, VLCL16, Wan15b, WH15, Wan19, WXQ20, WLMA21, WWBM21, WYZ22, WZC23, WZ23a, WQZH24, WC24, Wei17, Wei18, WCD21, YZL20, YPL21, YH21, YXS22, YWYN22, YCW+19, YJX15, YWZ19, YQM16, ZE12, ZA20, ZWFY19, ZWWW20, ZLW+13, ZP17, ZJWF18, ZJZ20, ZBX21, ZHFW21, ZYQ+21, ZZ22b, ZL22a, ZF22, ZYW23, ZY23, ZGLH24, ZXF14, ZZ18, ZZB20, ZYW22, ZLCW23, ZLS24, ZYLN18, ZLZ22, ZXL23, ZLTA16, aZ19b]. **Fractional-order** [NRV23, FAMA20, ROB18]. **Fractions** [HLM04, Pas03, Arn97, LB93, Lor95, Now06, Now13, Pas92, Røn92a, WQ10, dB07b]. **fractures** [LCW20]. **fragmentation** [SW22]. **frames** [BF93, VW08]. **framework** [BDD20, GWW15, HPS20, VB92, WCB15]. **France** [BV96]. **Frankel** [DCW23]. **Fréchet** [AMH10, AMA21, AH08]. **Fredholm** [AS11, AR24, ASS11, Bic11, Bru93, EHV19, HST15, KM24b, OdZdRV13, PP24, PS09, ZA20]. **Free** [Osw01, AAFL23, AAM24, AAB13, Ahu09, ALY22, AH08, AM16, AG23b, BRZ98, BZ18, CHS19, CGHH21, Cdv98, CKKT16, CO19, FT14, GLLJ12, IAAH24, Ila20, Jia20a, KKB16, KS14, KP22, LZ21, LF19, LN22, MBR21, NBK17, OL23, OOOR12, PS16, RAH11b, SA14, SGJ15, WZZ07a, WZZ07b, WZQT15, WZ16, WB17, YKY15, YZBJ21, YH97, ZZY18, Zha20, ZLH22, ZLLC11]. **free-form** [WZZ07a, WZZ07b]. **freedom** [BR17, HHLS21a, HHLS21b, RRZ21]. **frequencies** [Ave20, Pan96]. **frequency** [BMR19b, Cou15a, Cou15b, KKV22, KPT23, SW19, WW14, YZ17, ZYW17]. **Fresnel** [ZA24]. **friction** [ZS22]. **Friedrichs** [ZZ10]. **friendly** [Ixa19]. **Frobenius** [CVLX19, CUY24a, CUY24b, HM18b, LEK21]. **Front** [Lie00, CL96b]. **front-oriented** [CL96b]. **frontier** [PLVB11]. **Frontini** [BD10]. **FSAI** [BM12, JCF15]. **Full** [CS99, Lui02, vGK04, AG15, AF13, APST21, Khe12b, Khe16, KH20, LYY12, LS07, MR09, WZVJ22, Khe17]. **full-Newton** [AG15, Khe16, KH20, LYY12, LS07, MR09]. **full-NT** [Khe17]. **full-rank** [APST21]. **full-wave** [AF13]. **Fully** [HKCW24, Pan18, WF23, CGPM00, DWZ14, DD20, DD21, GM06, HWZ24, KP96b, LRC19, lLLVZ17, Van19, Wei17]. **Function** [DHL+04, LM04, Mat04, Sab03, WDY04, Wen03, vGK04, AH17, AMH10, AMA21, AZ19a, Alz08, AGN07, BBQO07, BF20, BQO99, BEQOR14, BEJ20, BEJR23, Bic24, Bro05, Cau22, CAV23, Che13, CDD21, Col92, CFK+20, EV22, EL08, FW13, GA08, GRAST23, GCFF95, GMT92, HM22a, HA16, HKPW19, JMS16, JYLC21, Joh15, Joh20, KL94, Khe12a, KH20, KW96, KKK22, LZRJ92, LGW14, fLxX12, LYY12, LX17, LD20, LM15, LSM16, Mar96, Mel10, MMU20, MS15, OPSM22, Ost07, PSWE23, Pea13, PH14, Riz18, SS11b, SMNZ20, Sun94b, Van92, VGM96, WZ11, XL14, YA24, YP09, Zag24, ZZL17, ZLL+21a, ZLLC11]. **Function-Based** [vGK04]. **function-valued** [GMT92]. **Functional** [LM01, AR99, Bic11, CQ16, LTFL10, MKG24, NS24, Rab23, SS11b]. **functionals** [AAPR21, BM96, GAM24, Hag13, LM12, PP21, Sch14].

Functions [ASS03, Amo02, Ano95b, Bre04, But02a, CD01, Dab04, GG01, GST02, GST03, GKS04, GPP01b, GF02, KM04, Kol04b, PW04, Str02, WH04, AF23, ALW98, ASV23, AAAGAD23, Ash19, AP21, AAH24, BBZ95, BBL22a, Bel94, BT23, BHJTM92, BP93, BC17, BP23, BX19, VVV22, BGVHN92a, BGVHN92b, BGVHN92c, BGVHN92d, BGVHN96b, CM15, CL11, CLMM05, CG07b, CR23, CJTW96, CBGVN07, CD00, Dar99, DS09b, DBH21, DP21, DPP19, DPS18, DL01, DGST15, EAB20, EG94, EHV19, FT05a, FLMR00, FM19, Flo16, FDFM23, Gaj05, GGNF17, GA15, GV99, GD15b, GG08, Gau09a, Gau10, Gau11a, Gau14, Gau17b, Gau22, GM22, GK20, GH95, Gla01, GS19b, HGVPA92, HW18, HSK20, HL15b, HM06, Hun95, IP16, Jaw22, JL15, Jos22, KSB08, KCHD16, KD14, Kel07, Kie23]. **functions** [LV15, Liu11, jLyLqW17, LM08, Low05, MBR21, MM00, Mas95, MS14a, MCMX20, MS11, Mül00, Nar05b, POP17, Pep23, PGGC97, Pet95, PGC24, Rab05, Rei98, Røn92a, Saf10, Sas93, SHF15, Seg98, Seg08, She00, SS23b, Śmi06, Spa20, Str97, SR06, SH23, Sun94a, TA24, Ter23, UTO07, Vep08, VP23, WZ15b, Wil12, Wri95, XLC93, XX16, Yak94, YWS20, YYZ22, YLL22, ZuI19, ZJ08, Zha23, Zhu21, ZS19, dC22]. **Fundamental** [BS04, LL05, Ant22, BCJ22, BCJ24, Kar15, RT19, ZLLH22, ZLH22]. **fundamentality** [Sun94b]. **Further** [Che01, LRT19, ZDSY20, KM13]. **future** [CZ20, QZG+19, ZQL+19]. **fuzzy** [dCOS21].

Gale [BHNS16]. **Galerkin** [LR18, MS14b, SZ23, WLZ22, ADL05, ADG10, AK12, ALZ20, AMM16, Bac18, Bac20, Bac21, Bac23, BGR23a, BQ19, BFK+09, BK18b, BX19, BGZ20, CQ16, Cai22, CG20, Che19, CYM22, DWZ14, DMC20, DDG05, DB06, DBAE09, DOS03b, EG18, FMD23, GM06, GPP01b, Ila20, JWY21, KMH24, KM24b, LHW17, LHM20, LGC24, LSW16, LW22, LZ23b, LI10, Lya97, MS20a, MCW22, MFPG07, MM09b, MM23, Moo20, MWWY13, MM11, MAFN16, ND21, RMT13, RBN14, SHF15, SLT20, SN22, SA23, WLMA21, WYZ21, WZZQ24, Wei17, Wei18, XZW13, YZ21, YJ21, YZ23, ZJWF18, ZHFW21, ZZ18, ZLTA16, dFO11]. **Galilei** [AD22]. **game** [DI11]. **games** [BK18a, HV98]. **Gamma** [Alz08, Mat04, Cau22, Che13, FW13, GA08, LM15, LSM16, MS15]. **gap** [Rab23]. **gaps** [AM21]. **Gating** [GS19c]. **Gating-enhanced** [GS19c]. **Gatteschi** [All08a, All08b, GG08]. **Gauge** [ZSF18]. **Gauss** [EDAM13, AAPR21, AR18, AH11b, AT17, AAH24, BEJR23, BK04, BCI14, CR03a, CFK+20, DLL+24, DPS18, DDRS23, FG07, Gau00, Gau09a, Gau10, Gau14, GST21, Gon16, GS16b, KP03, MGL20, MVVA08, MM08b, MM09a, MT23, MS24b, Not95, OPSM22, POP17, Pej14, PP21, RWTM21, SH23, VV11, YWYN22, ZH22]. **Gauss-type** [Pej14]. **Gaussian** [ATM19, Ash16, Ash19, BC00, Bou03, DK00, Hag13, KN18, Kza97, LMV23, LZX23, Man07, Mil95, Mil17, Pet95, RN21, SS01a, SS01b, Spa07, Spa20, Spa24, UL18, XW17, dABR01]. **Gautschi** [Kou07, LR14, SW19]. **Gautschi-type** [SW19]. **GB** [Kva01]. **GB-Splines** [Kva01]. **GC** [dB07a]. **GC-sets** [dB07a]. **GCD** [LL14]. **GD** [ZLG+13]. **Gegenbauer** [AH23].

Gene [Meu09b]. **General** [ASS03, AHKW04, BJ04, DEP12, DL03, SR16, Wri02, AH11a, AHIJ22, AHJ22, AF23, ABS19, BS17, BX17, BBd95, BDD20, BH09, CQ16, CHYZ98, CM98, CJSZ14, CGN22, CV92, DEC24, DZH23, GS16a, GL15, GZ11, GL19, GEA20, Haj16a, HWCR19, Hil10, HRY19, Jbi93, Kno23, Leo07b, Leo08, LWM10, LZL23, LWS18, MRV23, Maz11b, Meh11, MHA16, OI14, PP21, RKMS16, RGJ10, REM21, RWTW19, SK19, SDMMK18, Son93, USAF14, VB92, WK12, WSK14, WCB15, WPL18, YL16, YZY$^+$14, ZYW17, ZW12b, Zha20, DDP14]. **generalised** [CDS20]. **Generalization** [Che99, IM02, CM16, Hua94, LQ16, Sîn07, SZ99, WT08]. **Generalizations** [CKY99, LCHH21, BL92, CHH$^+$20]. **Generalized** [AH14, Ash16, BCN$^+$16, BR21, But02a, CM01, CCTV23, CG07a, CCHH23, Cse04, DMS09, DS12, For93, FLG08, GG22, Haj16a, Hey99, MAH22, Mas95, SZX11, TV17, UA09, VA20, ZZ19, APST21, Arn97, AH18, AAA17, BH22, BLW09, BBQO07, BGR23b, BQO99, BV21, Bos21, Bru93, CA07, CG20, CZ14, CC15, CC16a, CC18, CVLX19, Che19, Cho16, Coo09, Cor91, DW24, Den14a, DDRS23, DLDW21, FWC16, tFZyZ16, FSY23, FRS21, Flo16, GZ20, Gar20, Gau09a, GM21, GS21, GW24, HL23a, HNY$^+$18, HWXC17, HM18b, HWXC18, HJ21, IDS16, IS17, IAH20, JMS16, KM17, LRT19, LDN16, LWAG08, LL93, LLZ94, LCVL18, LMUZ19, LLY22, LKQ23, LLD23, lLhYfD07, LZL22, LLL22, jLyLqW17, Lu15, MMV19, MM17, Mat96, MMU20, Müh99, NP18, NW17, hPwL09, PDRG19, Pre93, RF23, RT22, Sab92b, Sab14]. **generalized** [SSS14, SSS21, SCW17, SDL$^+$23, SCF23, Sid17, SWB08, Śmi09, Śmi13, Sol15, Spa07, Spa20, Tak17, Tam10, TM10, Val14, Val15, VPA24, Wal94, WK16, WZ22b, Wil12, XM16, YDWL15, YHZL21, YSXY19, ZRZ11, ZWW21, ZH23, ZCTD24, ZLLC11, dCOS21, dB07b]. **generalized-Sylvester** [SDL$^+$23]. **Generalizing** [ADN17, CUY24b, For21, CUY24a]. **generate** [dCOS21]. **generated** [GP05, Kim21, Man10, TM20, VW08]. **generates** [MMU20]. **Generating** [Ter22, CFR06, JMS16, KCHD16, Lig93]. **Generation** [VVV22, CG05, OO22, Tan20, DLR24, KGN$^+$24]. **generators** [BR17, Hua18]. **genesis** [BRZ19]. **Genetic** [CSFC04]. **genus** [Kie23]. **Geodesic** [LG08, GLV05, PTSB01]. **geodesics** [PTSB01]. **Geometric** [Ber14, JK19, RDdRC04, Uhl09, BC05b, CG09, Cas17, Dri93, HK06, IDAV09, KSB08, LWG18]. **Geometrical** [CR20, GLV05, LG08, LAH22, MP07]. **geometrically** [Maz09b]. **Geometry** [DH04, ST02, BHH24, DS23, KL94, MN23b]. **Geophysical** [De 02]. **Georges** [Le 19]. **Geronimus** [CDT10, DM14]. **Gerschgorin** [PP06]. **Gerschgorin-like** [PP06]. **GFR** [ZWG18]. **Gibbs** [ALY22, Bre04, DF01]. **gift** [AHL20]. **Ginzburg** [HP18b, HWZ24, WS24a]. **given** [MLM19, VGM96, Wri95]. **GJK** [DL04]. **GKO** [Pol10]. **Global** [AHIJ22, AHJ22, BBBC23, CN01, Cse04, DW12, FS16, HASI23, HL23b, JV98, LPV03, LM04, MV02, MCG$^+$04, Ovi22, QW08, Tai92, Tir02, VR04, WW19, WCW20, Zil01, dSCS04, AGS08, AHJ17, AE18, BEJ20, BEJR23, CR23, Deh20, GL12, GO20, Van17, Hey01, IKMS24, JJK97, KS06, LGW14, NR24a,

PSWE23, Prz16, Rog95, Seg98, Ste24, WB17, YLL22, YY13, ZTW19, ZW12b]. **globalization** [Shi96]. **Globally** [BKM03, Har18, MA22, HL23a, KL22, Pie96, PR93]. **Glowinski** [CWHL20]. **GMRES** [BHS23, CKY99, EHTSM21, Ess98, GP14, JR10, LM99, MT15, NG23, RS02, Smo99, TM14, TM20, ZTW19]. **GMRHSS** [BBS20]. **Goertzel** [SW05]. **Golay** [ÐK15]. **Golub** [BJNKR20, BEJR23, Meu09b, MS14a]. **good** [KM13, SW14]. **Gordon** [CZ23, CG20, LHZ20a, BF18, Bra06, DMA09, DCW23, Don13, FSY23, HKCW24, LV18, RM11, ZHFW21]. **Goursat** [HNSH09]. **governed** [ZZ18]. **governing** [KN23, LD20, YXL18, ZZ22b]. **GPBi** [TT21]. **GPBiCGstab** [HASI23]. **GPIU** [LZ15]. **GPU** [CDP16, DEC24, MPS20]. **GPU-acceleration** [CDP16]. **GPUs** [BHS23, DM21]. **grad** [Ahu09]. **grad-** [Ahu09]. **grade** [CC18, GN12]. **graded** [LRY18, Maj14, ZZY24]. **Gradient** [CT21, DZ01, DLL04, LRGH02, MCG$^+$04, WSY04, AF23, AK19, ALV20, ABK22, ABKD23, AJMP11, And06, And08, And10, And14b, And15, And18b, ABM10, AV19, AK00, BKFMA11, BKG15, BC94, BGS24a, BF14, BE20, BE98, BF99b, BK08, CMRS00a, CFL19, CL10b, DW12, DW15a, DW15b, DMA19, Don16, El 18, EE18, FHH96, GS14, GO20, GWL20, JLJ22, JM93, Jón93, JRRS08, KPC20, LLL18, LZ22c, LWLW24, Liu11, LWQR15, LL18, Liu21, LL22c, LSY$^+$23, LT24, LTP18, MBG19, MJJ$^+$23, Meu97, Meu99, Meu05, Meu20, Meu23, MN23c, MG22, NH24, ODL21, OAR22, PPPN23, PRK$^+$18, Pla99, SS06, SM10, SBJC19, SLL22, SLL23, TTXZ23, WCB15, WZ16, Wan18, WYP23, WL24, WHS20, YCL17, YHS18, YJJ$^+$21, YSXY19, YWS20, YYZ22, Zha09, ZW12b, ZCGS24, ZWG18, ZLL21b, ZDSY20, ZCTD24]. **gradient-CQ** [KPC20]. **gradient-type** [ALV20]. **Gradients** [GF02, CS94, GKQ24, JVH15, MT13, MT14, USM24]. **gradual** [Dax17]. **Graf** [MW16]. **Gram** [MPR22, Sal05]. **graph** [JCF15, LKKM15, YAT20]. **graphs** [CL96b, DMR20, DMR21, GWL20, SCS18]. **Gray** [LWD23]. **greatest** [FGM19]. **Greedy** [HSZ03, Sch14, FS23, LLLD17, SW00]. **green** [FS21, Bic24, BG13, PJ22]. **Grid** [CLGS17, KMS05, Bou17, CLWH20, CV22, DZ19, DMW23, HL06, HL15a, HFZ19, Hu22, LD21, LYL15, LW17, LLC20, LS20, MDH16, NAHZ21, PSW11, QXGZ20, SW10b, SSYL20, SL21b, Str05, UL18, WD23, YZ21, YZ23, Yse99, ZYW22, ZXL23, ZD18]. **Grids** [GGV02, MM04, CJKL23, DDG05, GSZ22, GG98, GL21, HP18a, JK19, KR07, LPRÁ24, Spr98, Spr01, WQ10]. **Gross** [CCJC18]. **groundwater** [ASZ23]. **groundwater-surface** [ASZ23]. **Group** [CO03, DL03, CO19, Dam08, LZ22b, PPV09]. **groups** [VW08]. **groupwise** [Aih17]. **GRPIA** [MEJS19]. **Grüneisen** [Pas99]. **Grünwald** [CSZ22, LWJ21]. **Grünwald-difference** [LWJ21]. **GS** [mTLbJlL14]. **GSAV** [HKCW24]. **GSOR** [HZ15]. **GSOR-like** [HZ15]. **GSVD** [DNR15]. **Guaranteed** [KW04, FLMR99, PV22b, PR14, USM24, ZW12b]. **guarantees** [SI13]. **Guide** [Hof16]. **guided** [Gau07]. **Gummel** [BR07a]. **gyrocenter** [ZLQT19].

H [Meu09b, Cal20]. **Haar** [All18, PSS10]. **Hadamard** [CMM15, ER19, KM13, Mit11, OCWV24a, OCWV24b, RFS23, ZZX+23]. **Hager** [AWH+24, Ovi22]. **Hager-type** [Ovi22]. **half** [KM24a, LMV24, LT20]. **half-explicit** [LT20]. **half-range** [LMV24]. **half-step** [KM24a]. **Halley** [AM16, BRW11, CCTV16, CKKT16, SS12a, Ste20, WGK11, WK13, WSK14, WK15, WK16, ZG09]. **Halley-type** [AM16]. **Halpern** [ATT21, HWCR19, TAM21]. **Halpern-type** [TAM21]. **HAM** [QLZX11, XCLA15]. **HAM-based** [XCLA15]. **Hamilton** [Haj16b, SS03, ZZ10]. **Hamiltonian** [ABI20, BCW13, Ben99a, BWC22, BCI14, BS14, BMR19b, BIMR19, BB14b, FT24, HM18b, Jay21, LG19, LC19, MM99, MZ99, Sei98, WW14, XHZ07]. **Hamiltonians** [Haj16b]. **Hammerstein** [AAA24, GH09b, HVYMS23, Mic23, NNCN23, SMN24, WWL24]. **Hammerstein-type** [HVYMS23]. **Hand** [MS01b, BEHS20, BF14, DMD16, Hey01, HE05, KBCG13, TT21]. **Handling** [Md12, BKS13, CZ20]. **Hankel** [AH03, Bel08, BV95, Cam95, HR03a, LMV00, LV01, LXQ15, PSS10, Sas93, Wim00, XX16, ZuI19]. **Hankel/Toeplitz** [BV95, LMV00, LV01]. **Hansen** [KKB16]. **hard** [PSS22]. **hard-sphere** [PSS22]. **Hardware** [ACM04]. **Harmonic** [Che04, JLZZ23, BPR22, Dar99, DC17, LAN18, LXZZ21, Rab92b, Rab92c, RS06, TM20]. **Harris** [LL05]. **Harrison** [Pas06]. **Harten** [AD00]. **having** [ARTY20, BF93, LNS23, MZW20]. **HDG** [LL22b, ZWX19]. **Heat** [Cro03, And14a, BQ19, BCJ22, BM24b, CK22, FHC21, GD15b, MS14b, RS06, SB21, SJW21, VMMD21, WXQ20, YSLH19, YXS22, YYLX23, ZJ14]. **heat-diffusion** [RS06]. **heated** [CC18]. **heating** [WXQ20]. **Heaviside** [AGN07, GGNF17]. **Heaviside-type** [GGNF17]. **Hele** [CLPY23, CJKL23]. **Helmholtz** [Ant18, AMKV96, BK04, Boy05, CMD19, DL21, GM20, JWY21, LWZ18, LL20b, MCW22, RT19, XZW13, Yal01, YJ21, ZLH22]. **hemivariational** [MZ19]. **Henrici** [Bel03, Rha22]. **hereditary** [TN10]. **Herglotz** [BM23]. **Hermite** [AH17, AHM21, AA12b, AAAGAD23, AT17, AAA17, AAH24, BC92, BL92, Bia94, BFK+09, CF96, Cor24, FHS12, GM92b, Gau14, Her96, Iva15, KK22b, LMV24, Man17, MTTC22, Mer92, Mer94, MSS18, NB16, Plo93, Poc14, Sab03, SST92, Sun94a, VB91, Wal07, YWZ19, dDL92]. **Hermitian** [BM19, CM16, EGG08, Ema96, tFZyZ16, HM18b, LN10, PG15, Tan17, WL17, XM16]. **Hessenberg** [CDW95, FLT09, GL04, GLC22, Hey99, Hey01, Sad99, Sch09, Sol23]. **Hessenberg-type** [GLC22]. **Hessian** [AB99, CT21, FGS24, GGS22, JB22, LL07]. **Hessians** [GF02, KD14]. **Hestenes** [DW12]. **Heston** [iV12]. **Heterogeneous** [AA03, GHM16, GM20, GL15]. **Heun** [AGS08, FS16]. **Heuristic** [DR01, Hua96, DLC14, LL14]. **Hexahedra** [Mat01, Kee94]. **hexahedral** [SKJ+18]. **hierarchical** [Fan15, KAF18a, KAF18b]. **hierarchically** [Hom94]. **hierarchy** [Hom98a]. **hierarchy-consistent** [Hom98a]. **High**

[AG03, AABM08, AEG02, AMM16, BOP98, Bla15, BR17, BGZ20, CCW21, CGL99, DR04, Gau00, Gau09a, Gau14, KM24a, LZZ24, MPR24, McL02, Rab92c, Sat24b, SQG13, SS15, SG23, VLCL16, XT16, AAII96, ABI22, AKT15, AKQ17, BCST14, BJ98, BBPV12, BKF20, BWC22, Bou17, BGL07, CC16b, CvPS15, Cui13, EH97b, FS20, FT14, FGR01, GH09a, GM20, GLLJ12, GZ20, Gau11a, GST21, GH23b, HCBAEC23, JHLL15, Joh15, KKV22, KNBGV18, Kaz24, KD14, KGH14, KSW07, LMV23, LBF24, LPRÁ24, LWC$^+$21, MS23a, MS06, Moh10, Mok16, Ngo23, OKB23, Pry98, RRZ21, RR22, SFMK23, Sti18, Tsi07, TD09, WLL12, YD09, YZZL17, ZWFY19, ZYX19, ZHFW21, ZYQ$^+$21, Sat24a]. **high-accuracy** [GST21]. **high-degree** [FS20]. **High-dimensional** [CCW21, LWC$^+$21]. **high-index** [Pry98]. **High-Order** [AG03, McL02, BR17, Gau00, Gau09a, KM24a, Sat24b, AAII96, ABI22, AKT15, AKQ17, BKF20, BWC22, Bou17, Cui13, EH97b, GH09a, GM20, GZ20, HCBAEC23, JHLL15, KNBGV18, Kaz24, MS23a, Mok16, Ngo23, OKB23, RRZ21, RR22, SFMK23, Sti18, YZZL17, ZWFY19, ZYX19, ZHFW21, ZYQ$^+$21, Sat24a]. **high-performance** [WLL12]. **High-precision** [BGZ20, Gau14, Gau11a, Joh15]. **high-Reynolds** [BGL07]. **Higham** [KZ03]. **Higher** [HHLM23, AMA21, BDL$^+$12, BM22, DGP15, Gha18, God15, Han22, HM22a, HM22b, HKKN12, LM14, Loh22, MS13, PM05, PMM11, PP92, TY21, Tur94]. **higher-index** [Han22]. **Higher-order** [HHLM23, MS13, PMM11]. **Highly** [DHV22, HZX21, IP16, BMR19b, Cai22, CRHTV24, FT24, HJB18, HS15, Kub15, LW14, LZZ23, Maj13, Pen98, WW14, Wan22, WWM21, XX16, XLG22, ZH23, ZJ23]. **HILBERT** [AEF$^+$14, ATT21, AT21, Buo17, CCG01, CC12, CFM15, DHF21, GS95, KD18, Pot19, QW08, RZ16, RT20, RTCL21, RTTH22, RZ23b, RT24, SCD$^+$21, SLD20, Tan20, TLD$^+$23, YL19, Zas22, ZCTD24]. **Hilbertian** [Amo02]. **Hilliard** [ASGGRG23, BVV14, CLPY23, LS20, ZWWW20]. **Hilliard-Darcy** [CLPY23]. **historical** [KK22a]. **history** [MZ19, Osa12, SBG24]. **history-dependent** [MZ19]. **histosplines** [SBW98]. **Hitchhiker** [Hof16]. **HIV** [DJM$^+$18]. **HIV-1** [DJM$^+$18]. **Hohenberg** [Liu21, YK22]. **Hölder** [BRW11, CA07, CWL16, CR23, DMYT23, HY21, ZCS14]. **hole** [CLMM05]. **Holm** [YYW21]. **Homoclinic** [Tov97, Tov98, BK97]. **homogeneous** [BC00, CAB22]. **Homogenization** [BE03, CF05, Haj16b]. **homographic** [FJT94]. **Homotopy** [AS10, LG95, AJ13, BVV14, BZ18, DJM$^+$18, FY13, FY19, Van12, Van17, HSTW14, LL93, LM14, MV13, MV14, MSMS12, Mot14, NEMS14, NAA19, RW11, SMK14, Van19, WZQ17, WC10, WWD$^+$12, Yak95, YYL15, YXL18, ZL17]. **Honour** [AL04, BJK$^+$24]. **Hopf** [Cha14]. **horizontal** [AM18, AM13, Khe14, Khe16, LZL22, LZL23, MG20, MG21, SWS22, SW24a, ZV21]. **Hormann** [dC16a, AHP20, MNS23, dC16b]. **Horner** [BD04b, SW05]. **Householder** [ZCGS24]. **hp** [LCH20, ZWX22, MH23]. **hp-error** [ZWX22]. **hp}-version** [MH23]. **HPM** [RK11]. **HSS** [AGS20, CZ14, CC16a, CL13a, CM16, CWL16, CL21, HYW20, LG17, LG18,

SM17, WC13, ZRZ11, ZYW21]. **HSS-based** [CM16, ZRZ11]. **huge** [DHV22]. **hull** [AHL20, DM92, Kub23]. **hull-consistency** [Kub23]. **Hulls** [KL04]. **hungry** [FYI+12]. **Hurwitz** [Joh15, Vep08]. **Huxley** [AZ19a, MDL15]. **Hybrid** [AH03, BPP23, BBB22, Bre02, DMRT03, EG10, HS20, HSS04, IY15, KAF18a, LL22a, MT04, ABK22, And08, And10, BKFMA11, BBO21, CR96b, CXL16, DW15a, DW15b, Dax09, Dey23, DHV22, Eba18, ETY98, EHVRV14, Fan15, FR18, GMZ19, GK20, GH09c, HMT17, HMA16, HSK20, JJ24, JLJ22, LW16, LWLW24, LZZ24, LTP18, MBG19, MN17, MN11, NJ13, PTW22, RKMS16, SvF94, THS20, WC23, WJW14, YJJ+21, ZDSY20]. **hybridizable** [ZWX22]. **Hybridization** [PRK+18, BKG15, PRVI20]. **Hydrodynamic** [TE03]. **hydrothermal** [BGRS12]. **hyperbolic** [AUA22, AC17, DZ13, FKP06, FGL19, Gar20, KL94, Lie00, NS22, Pan20]. **Hypercomplex** [RK11]. **Hypergeometric** [GKS04, AHM21, CFK+20, DD99, DL01, GRAST23, NW17, Pas95, POP17, Pep23, Seg08, Wil12, dDL92]. **hypergraph** [ZCGS24]. **hyperparameters** [Iid24]. **hyperplane** [AK15]. **hyperrectangular** [EG94]. **hypersingular** [ADG10, CCJ10]. **hyperspectral** [RWTM21]. **hypersphere** [Gen12]. **hypothesis** [CRV91].

I.F.S. [Man07, Man10]. **ICTM** [dADdRC04]. **ideals** [Sau07]. **Identifiability** [DVJBN03]. **Identification** [LSZW19, Nac03, SMNZ20, GCFF95, NAR05a, PGGCGF11, SA23]. **identifying** [XZZ19a, XZZ19b, YSLH19, YZL20, YPL21, YXS22]. **identities** [CW08, LWAG08]. **identity** [FGJ00, KL94, Szy06]. **II** [AHKW05, CM98, GM92a, GMT92, HJ18b, Leo07b, MC05c, Mil95, Now13, Rob92]. **IIA** [CX20]. **III** [Leo08, MRU91, MG94]. **IIIA** [BCT15]. **IIM** [ÁCL11]. **Ill** [CR02, RST03, AMR23, AC11, Ant18, BJNKR20, BH11, CMRS00b, DNR15, DNR17, FH00, Han96, Han94, HR14, JRS09, Jia20b, MRS06, MRS10, NRS12, OR17, Pla99, RRS09, RR13, RSZ20, Ria16, SGJ15]. **Ill-Conditioned** [RST03, BJNKR20, Ria16]. **ill-conditioning** [Ant18]. **Ill-Posed** [CR02, AMR23, AC11, BH11, CMRS00b, DNR15, DNR17, FH00, Han96, Han94, HR14, JRS09, Jia20b, MRS06, MRS10, NRS12, OR17, Pla99, RRS09, RR13, RSZ20, SGJ15]. **ILU** [BRY14]. **Image** [BP03, DHMS16a, NPP04, XTH07, AIA+24, ALRT16, AMR15, BKPS93, BC05a, BH11, CC06, CPZ14, CGYZ19, DHJJ10, DMT13, EHN17a, EHN17b, FAMA20, FM99, FLG08, HLS10, JLJ22, LP08, LP13, LAG05, Li96, LZ22b, MP07, MMU20, NR14, SMA99, WYP23, XQZ24, XYZ14, XW17, ZY13a]. **images** [CTS09, JMS16, LP12, Li95, SST08, WHZ+18, dCOS21]. **imaging** [AH14, BEL23, HOW95]. **IMEX** [Che22, Che24, GS19c, Kaz24]. **Immersed** [KV04, Li97, JCL16, RW06]. **immobile** [QXGZ20]. **Impact** [Dum03, Moo07]. **impedance** [GHC15]. **Implementation** [ACM04, CO03, Da 92, DHL+04, DN19, DEM94, El 18, Enr02, Mel14, Nac03, PL04, SS99, AG15, ACF99, AMM18, AEF+14, BL23, BW13, BF00, BvLP16, BRZ96, BCI14, BC01b, CWZ13, Cam19, DEC24, Dum13, HM22a, HM22b, HJ18b, HCBAEC23, KK22b, Loh22, MH08, Nie93, Pol10, SLW13, SGO22, SGJ15, Yan17].

implementations [Han22, HMS96, HYJ20, OM18, SI13]. **Implications** [ME92]. **Implicit** [JU22, Jat15, KJ18, KSW09, Mar04a, AMM17, AMM18, BF17, BWC22, BD98, BC99, CSI18, CGPM00, CW19a, CJSZ14, CLA11, Che14, Che16b, CDLW21, Con93, Cui13, DWZ14, DMYT23, FHH05, HMT17, HZ93, HLTA16, IJ19, KCHD16, KLF17, KLB10, Le 98, LRL19, ME92, MC08, PFT98, Sat24a, Sat24b, SL21a, SYLT14, SZ99, TB19, VA20, WLMA21, WL22b, YZLZ22, ZYQ$^+$21, ZV19]. **implicit-explicit** [CJSZ14, IJ19, KLF17]. **Implicitly** [Che04, DB98, LM99, FEL15, GSV96, Van19]. **importance** [DMR20]. **improve** [KADE18, Ria16, YWYN22]. **Improved** [AH23, AB99, BM97, CGYZ19, Kol04a, LZ22a, MA16, Nac03, RA12, RCW22, Rum14, SI13, WDL16, AD17, AR09, BCST14, CKS24, CL21, CKKT16, DW15c, HJ18b, Khe16, KGMH21, LP12, MSMS12, NH24, Odl00, TL24, WSK14, WK16, YHS18, ZYW17, ZW12a, ZFG18]. **Improvement** [Dra00, Gra03, Yal01, AHL20, MBJ17]. **Improvements** [LPGL16, SCW17]. **improves** [EHVRV14]. **Improving** [ART14, EH97b, SW05]. **impulse** [LZ22b]. **Impulses** [DOS03b]. **impulsively** [Mot14]. **IMR** [CR14]. **inaccurate** [Mic93]. **inclined** [MSM12]. **including** [Wal94]. **inclusion** [BC16, Cho16, HRAH22, KAF18a, Kol06, Mil18, PM05, PMM11, RFS23, San19, SSS21, SDMMK18, SC18, TAM21, TG20, TDC21]. **inclusions** [AG19, AABTB23, Dey23, OMU$^+$24, RIAA19]. **incoherent** [YP23]. **Incomplete** [EGSV04, GPGC98, GNT24, Mat04, WCLW16, ACSD16, CMM17, MP00, SEG14, SS23b, YA24]. **Incompressible** [PG05, BRY14, BW13, DG17, Hei06, JY23, KM17, LDX23, PV98, ZYJY22, ZS22]. **inconsistent** [BF17, FHH96, HZ24, ZHSX23]. **Incorporating** [SBG24, DJM$^+$18]. **increasing** [Dax17]. **Incremental** [DL04, SW07, BG24, BE03, LXP20, WXT22, YWWR12]. **indefinite** [BHW23, BEGG91, CR96a, CWHL20, FHH96, FH00, Kel07, KPS14, SR16, SGK$^+$99, WL17, ZD17, ZFG18, ZZZ22]. **independent** [LX23, LN22, Lor19, SBJC19]. **Index** [Ano01b, Ano02a, Ano02b, Ano04a, HL03, AWL$^+$24, Ano01a, AM98b, BCST14, Bea98, EL01, Fab16, GKRS22, Han22, HM22a, HM22b, HR07, ICR06, JV98, LM11, NSM20, Pry98]. **index-** [Bea98, EL01, ICR06, JV98]. **index-1** [Fab16]. **Index-2** [HL03]. **indicator** [ZZL17]. **Indicators** [BBHM03]. **indices** [Le 98]. **indirectly** [YF22]. **induced** [Not95]. **induction** [AH12]. **Industrial** [The97]. **Inequalities** [Che16a, KM04, LR14, Alz08, AV19, ATT21, AH10, Bno21, BHT16, CSI16, CSI18, CRV91, Dax09, DLYH17, DHV22, Dra00, DMS09, Fan15, FY19, GL07, Gau09c, Gau09b, Gau11b, GZP18, GEA20, HT19, JM18b, Lei15, LL22a, MZ19, RTD$^+$21, RT22, SI17, SI18, SLD20, SK19, TQY21, TQC22, TSI20, TLD$^+$23, UA09, WZZ16, WXT22, WZZ15, YL19, YLL20, Ye22, ZFC18, ZFH23]. **Inequality** [AAAS03, CGR12, Anh19, ATT22, CSI17, CZ20, DMT22, DJG18, Gau08b, Kou07, LRL22, NPS09, OIM21, OAMA22, PPPN23, PN21, RTCL21, TH18a, TH18b, TH19a, TH19b, TVC20, TTLD20, TRSI23, VS19, WL22a, XCD23, ZLL$^+$21a, ZWX19]. **Inertial** [HHF22, OIM21, RTCL21, SCD$^+$21, Sha97, TH19a, WXT22, ALV20, BC16,

Dey23, GZD24, HS20, Hie19, LRL22, LSY+23, MJJ+23, OMU+24, Rob97, SIO20, TQY21, TQW24, TVC20, TLD+23, ZFC18]. **Inertial-type** [WXT22]. **Inexact** [AG23b, BKM03, Gon16, HSS04, JCH23, AG23a, AG19, AAN14, AGS20, AM18, BP22, BK08, CC15, DYW16, FGBP21, GO20, GZP18, HNY+18, JWCZ21, KM17, Lei15, Lin16, LM13, MsC20, MC08, MN22, MN23c, Śmi09, Śmi13, WZZ15, YDWL15, ZZY18, ZYBJ23]. **Inexactly** [BN18]. **Inexpensive** [PV22b]. **infeasibility** [Md12]. **Infeasible** [IW04, Khe12b, Khe16, Khe17, KH20, KOK21, LYY12, LS07, LPXX19, MR09, SD20, YIY22, YZLP16, Yan17, Yan18, Ye22]. **infeasible-interior-point** [SD20, YZLP16]. **infiltration** [SLLA15]. **Infinite** [BO03, HR03b, JC04, BIM+23, Cat24a, Cat24b, CP95a, CL99, Cro92, Den14b, EO94, Esp05, FLMR99, FM93, HS96, HNSH09, KH11, LPXX19, PW22, Sid20a, SS12b, SH21b, SH22, SH23, TO21, WWD+12, XCLA15, Zah09]. **infinitely** [LNS23]. **Infinity** [SVZ01, KOK21, LPGL16]. **inflection** [PSWE23]. **Influence** [GHPMGRR14]. **Information** [MCG+04, BP22, KP16, MN23c, Prz09, WT08]. **informed** [BM24a]. **Inherent** [Wri02, MHA16]. **Inheritance** [BG03a]. **inhomogeneous** [DG17, ST21]. **Initial** [CN01, Mar04a, ADA07, AE09, AM98a, AHKW05, BKA19, BAV18, BVV14, CEX14, Cor24, EL01, GO21, JL12, KS20, KK12, Li17, LWS18, NBJA17, NJ13, OQ12, PGGCGF11, RKMS16, RSKB17, SL18, SW19, SS15, SS98, SA23, SZ99, Stu97, WZQ17, YSLH19, YZL20, vSv94, vdHM98]. **initial-value** [Cor24, RKMS16, RSKB17]. **Initialization** [HL03, MMW20, Sch09]. **initialize** [MS11]. **injective** [Gon16]. **injective-overdetermined** [Gon16]. **inner** [DGP15, HHLM23, Ron92b]. **inputs** [YYLX23, YCW+19]. **Instability** [Car01]. **instant** [LMUZ19, YZH21]. **integer** [DGST15, GLM15, XyJl16]. **Integrability** [DS23, MT98]. **Integrable** [FSY23, ZHT15, CHHL18]. **Integral** [DV01, FHS12, JC04, Med10, MO04, WHL24, AS11, AR24, AAH20, ASS11, ASS13, AAD14, BB14a, Bic11, BD00, BG13, BZ24, Bru93, CQ16, Cai22, CCJ10, CIP10, CS99, CA22, CH11, CS08, DD20, DM98b, DS09b, Esp05, EHV19, FRS21, Gau08a, Gau22, GX19, GH09b, GKV23, GMT92, Gu20, HNSH09, HVYMS23, HSTW14, HST15, IZ24, IDS16, JWY21, KMH24, KM24b, KGH14, KSCS07, KSCS08, KKS22, LDH23, LLC20, LM21, LWN13, LJbL21, LHW13, Lyn08, Maj14, MKA14, MV17, Mic23, MNS23, MMLM20, NS24, NP18, NLT21, NNCN23, NAA19, Nor00, OdZdRV13, Pas06, PP24, Pis16, RS06, RT19, SP21, VdR13, WQL20, WHD22, WWL24, WLJ24, XL14, YY13, Zag24, ZA20, ZH23, ZLCW23, ZS19, dAFPR23]. **integral-algebraic** [Pis16]. **integral-based** [IDS16]. **Integrals** [HR03b, ADG10, CC07, Car95, CP95a, CBGVPP09, CS08, DS15, Gau11a, Gau15, GHM23, GHM24, HS96, HS15, KR23, KHM20, Mac96, MM00, Maj13, Maj18, Mel10, MZ99, Pas99, Prz09, Saf10, SR16, SS12b, SH21b, SH22, SH23, XLG22, ZA24, ZuI19, ZH17]. **integrand** [KHM20]. **integrands** [CvPS15, CBGVN07, XLG22]. **integrated** [BPS23, NPS09]. **integrating** [Li95, SZ24]. **Integration** [Coo03, Dab04, DL03, PW04, Sch02, ADG10, AL23, BLS92, BL98, Bou17,

CM15, DDS93, Dam08, DKL15, Dze15, EO94, EG94, FHL21, Gau95, Gau12a, Gau13a, GG98, God15, HW00, HS96, HKKN12, HS15, HFW+21, Kel07, LS11, Mal21, MKBY19, Man07, MFPG07, MO19, MCMX20, Pet95, PW14, Rab92a, ROB18, SP21, SGK+99, Tov97, Tov98]. **integrator** [Don13, LZ23a, SAE19, Sha19]. **integrators** [AM98b, BC05b, CZ23, CO19, HK06, LWS18, MO10, Miy24, Sat24a, Sat24b, SW19, SSH+19a, WW19, Wan22]. **integro** [DOT21, CA07, Che22, CPS12, DSI11, EED19, FH15, HCXL20, KSCS07, KKS24, LA22b, MH21, MH23, MN23a, MKA14, MG11b, PS09, PS17, RT12, SAC18, SMN24, ZXF14, ZFX14]. **integro-differential** [DOT21, CA07, Che22, CPS12, DSI11, EED19, FH15, HCXL20, KSCS07, KKS24, LA22b, MH21, MH23, MKA14, PS09, PS17, RT12, SAC18, SMN24, ZXF14, ZFX14]. **integro-partial** [MN23a]. **integrodifferential** [QQX23, WQZH24]. **Intelligence** [Ano95b]. **Interaction** [Car01, CG20, GA20]. **interconnecting** [TFPG19]. **interest** [LGL23]. **Interface** [KV04, AL23, BNN16, BV99, CFL19, CLWH20, DMW23, HHST19, JK19, Li97, LPRÁ24, RW06, WDL23]. **Interior** [IW04, AG15, AJMP11, AM18, AM13, BBO21, CWZ13, DGL06, Khe12a, Khe12b, Khe14, Khe16, Khe17, KH20, KOK21, LZ18a, Lin16, LYY12, LS07, MR09, MN11, PH14, RS20, SMZMA18, SD20, SS94, WO00, WZ11, WZZQ24, YIY22, YZLP16, Yan17, Yan18, Yan22, ZW20]. **Interior-Point** [IW04, AG15, AJMP11, AM13, CWZ13, DGL06, Khe12a, Khe12b, Khe14, Khe16, KH20, KOK21, LYY12, LS07, MR09, PH14, SMZMA18, WZ11, YIY22, Yan17, Yan18, Yan22]. **Interlacing** [DJM08, KG23, Seg08, KJG23]. **intermediate** [CSI17, QLZX11, Sid94]. **intermittent** [DMZ20]. **internal** [LPRÁ24, MN92]. **Internality** [DDRS23]. **international** [BV96, Ano92, Ano95b]. **interpolant** [ASS13, AGN07, Mon96, RB21, dC16a, dC16b]. **Interpolants** [NSS03, AHP20, AH21, ASS11, AC94b, Ber00, BCGVS11, CF96, CM92, EM10, Gen12, LC14, MTTC22, Mer92, Mer94, TF00, Tsi07, Ver10]. **interpolating** [ALY22, BM00, BGVHN92a, CDF99, Cox93, DDS93, Ila20]. **Interpolation** [All03, Amo02, CG14, CG17, Gen12, HM06, LM01, LWC+21, Mat01, PS06, WDY04, Wen92, AD22, AL18, ACM93, AAAGAD23, Bal11, BDIR18, BC92, BF18, BM00, Ber07, Ber11, BV21, BESC22, BDS00, DOT21, BZ24, BLS06, Bra96, Bro05, CDSV11, Car91, Car92, CG05, Car10, CKP19, CKP22, Cau22, CAV23, CMMP19, CT21, Cor91, CL13b, CDD13, CGN22, CY10, DF93, DZH23, EG19, EEM20, FM16, FP20, Gal93, GZ18, GM92b, GM92a, Gás99, Gem97, GI15, GLV05, GP05, Hof21, HvD93, HAN24, HM07, IZ24, Iva15, IN21, JKK+08, KK00, KST21a, KST21b, KK22b, LW20, LAG05, LN95, LX23, lLLVZ17, MP08, Man17, MMV17, ME95, Maz18, MT18, MS17, MSS18, MEJS19, MS23b, MNS23, MG91, MG94, MS96, Nar05b, NCC11, NL97]. **interpolation** [OKB23, PR10, PZL15, PS22, Plo93, Plo94, Pre93, PQ95, Rip93, SST92, SX96, Sid07, Spr98, Str97, Sun94a, SWG20, SG23, Tan20, Tia21, Tra93, UL18, VB92,

Van07, WQ10, XZL12, ZZL17, Zha95, dB07a, dS00, dDS00, dBD05, dC22]. **interpolation-based** [AD22]. **interpolation-extrapolation** [BESC22, EG19]. **interpolation-type** [lLLVZ17]. **interpolations** [AA12b, Bic11, JCL16]. **Interpolatory** [BLS92, BSL18, CH95, DL08, FMD18, Not08]. **Interpretation** [NG23, BCM10]. **Intersection** [WZZ07a, WZZ07b, BM06, CKO24, PN21, SKJ+18]. **Interval** [ASS04, BL04, Cha04, Cse04, DL04, Gla04, Kol04a, KPFG04, KL04, Mar04a, MJ18, MJ20, MCG+04, MKO04, NKS04, Pop04, RDdRC04, Rev03, VR04, ZGLH24, dADdRC04, vGK04, BBZ95, Ben99b, Ber07, CC07, CKP19, CP95a, Eft15a, Eft15b, Gla01, HM07, Joh20, Kub15, MJH17, Pop18b, Pop21, Rum12, SM21, SH21a, SH21b, SH22, Val14, Val15]. **Intervals** [Kol04b, vGK04, Maj13, Mül00]. **Intrinsic** [ASS04, GL23]. **introduced** [Dur93]. **introduction** [CFM15, JJ24, MSCB93]. **intrusion** [SMNZ20, SFZ22]. **invariant** [AD22, BEH24, CKO24, Dam08, DBV23, ED13, JJK97, LWG18, LL20c, LL22c]. **invariants** [Asc97, BS14, Sat24a, Sat24b]. **Inventory** [Cha04]. **Inverse** [CKP22, FG03a, LN10, MS11, NR12, ABG97, ADN17, BDV18, BI00, BZS22, CR20, CDD21, DS09a, EP97, FP18, GWBC20, GHC15, GD15b, GK20, GP05, HN94, Hua21, JLX22, JS23, JN99, KZS21, Kuh13, KLW+23, Li95, LPGL16, LCVL18, LA22a, LZ16b, LDC10, LL20b, LZX22, MGL20, MsC20, Meu09a, MT93, MH22, PLH20, SHLY18, Sol15, XHZ07, YLY12, ZJZ20]. **inverses** [APST21, BM94, BD17b, JXX+23, LMUZ19]. **inversion** [CAB22, CUY24a, CUY24b, DdAF+20, DW15c, FM99, GST17, JLMP16, KSV23, WGZ18b]. **invertible** [LRT19]. **investigation** [Die08]. **Investigations** [ZWFY19, HHST19]. **invex** [Jos22]. **inviscid** [GB21]. **involve** [Sid20a]. **involving** [AV19, Ash16, AKT15, HS96, Jos22, LQ20, MP08, MMV19, Pep23, ZuI19]. **IPG** [LY18]. **IR** [GHN19]. **IRKS** [MH08]. **irreducible** [wYN18]. **Irregular** [MM04, Cal20, EAGS20, Lee94, SH12, ZYLN18]. **Irregularity** [Ros97]. **Isogeometric** [HZ20, Moo20]. **isometry** [BOW21]. **Isotropic** [Hem96, HMdÁES08, Meu12, MP13, WWD+12]. **issue** [Ano17]. **Issues** [But02c, CDG23, KM09]. **Itô** [AAH20, ES19, HH11, MNS23, Prz09, TX19, YBK+21]. **Italy** [BT14]. **Iterate** [JS23]. **iterated** [Alt21, BOR23, CFM15, Don12, GLM15, HRY16, JMS16, KR23, KR20, MMU20, Sab92a, SWG20, TL24, YXS22, vSv94]. **iterates** [Bog13]. **Iteration** [AG19, ABQ04, BCV03, CL11, CPV04, Rev03, ZL22a, Axe99, AFN16, AFN17, BBS20, BBC11, BZ13, BH22, Bel94, BEQOR14, BPR21, BHT16, BK08, CR96a, CW19a, CW21a, CL13a, CZM21, CHYH24, Chk20, CKS16, DW24, DS20, DLL+24, Don10, DG94, Fan22, FGJ00, Le 19, GA15, GKL21, GNH10, GW24, GLL19, HWCR19, KD14, KMZ18, Ke21, Lei15, LYW14, LY17, LXX23, LLD23, LZ16a, LZ18b, LZL22, LZL23, MM17, Mor17, OC24, PDRG19, RWTW19, SPV20, SAE19, SS21, SCS18, SSH19b, SSH20, TLD22, WT08, WZ13a, WGZ18a, WHS23, WL17,

WPL18, XW18, XWY19, XZP+20, YAT20, Yan18, ZZ17, Zha11, ZYW21, ZY13b, ZM16, ZLV17, ZV19, ZV21, ZZZ22, ZZLV23]. **iteration-based** [SAE19]. **iteration-inexact** [BK08]. **Iterations** [GF02, AMM18, Bag00, BM06, CGV22, CVLX19, CL19, CFS21, GM23, Hig97, KL94, NSM20, PM22, Pié99, SS98, TM14, ZG09]. **Iterative** [AAA+18, Bog02, BKS23, Buo17, CSI16, Cic20, CGL01, DF93, De 02, GP05, Jay02, LP18, LDZ24, Nac99, Nac03, NPP04, RR00, SI18, SIO20, SS16, SC18, YP09, AAFL23, AUA22, AABM08, Ano17, AG13, AS14, Awa10, ANA14, BPP23, Bai97a, Bai97b, BGR23b, BHS14, BH17, BE17, Bre00a, BE98, BM24b, CSI17, CZ23, CR96b, CGPM00, Cas17, CPP14, CCL18, CKY99, CRN19, CHMT10a, DD20, Den14a, Ern00, EGSHVN15, Fan15, FT14, GA08, GHN19, GRT97, GEA20, HT16, HT21, Hai08, HJ18b, HVM15, HVMT17, HR07, HSE16, Hom94, Hom98a, jHyPlZ06, HM18b, HM18a, HM19a, HWXC19, HM14, Iva17, Jia20b, KSV23, KCBT21, KT07, KSB08, KAF18a, KAF18b, KGN+24, LMMH11, LZZ19, LF19, LSG15, MN17, MM19, NHP06, NRS12, NC94, NK16, NK21, PNW17, PS16, QAS+24]. **iterative** [RFS23, RIAA19, RT22, RAH11b, RA12, RR98, SKK21, SKSS21, SIE16, SCF23, SGJ15, SDMMK18, Sol15, SZX11, TAM21, TPY14, UTO24, USAF14, WO00, WZ15a, WZQT15, WDL16, Wan22, XL24, XZZ19b, XCY21, XSL22, YWWR12, YZL20, ZW14, ZY21b, ZH19]. **ITR** [CR14]. **IVP** [SGK+99, Cor02, MN92]. **IVPs** [BC01b, Eba18, KP16, Kac18, Sho18, SKTGR19, CMR03, SFT03].

Jacobi [Gau11b, Gau17a, Gau19, Bhr16, DB06, DBAE09, DMS09, DJM08, DJ18, EK94, EKM03, GL07, Gau08b, Gau09c, Gau09a, Gau09b, Gau12b, Gau18, GST21, Haj16b, Har18, HD18, KMH24, KG23, KJG23, KM24b, Kou07, KH18, Leo07a, LGP11, LI10, LR14, NLT21, PP24, Pre93, Saa23, SS03, SSN+12, SH23, VdR13, YH21, YWYN22, ZA20, ZZ10]. **Jacobi-type** [SH23]. **Jacobian** [CW19b, LG17, WGZ18a, XLW20, ZCG15]. **Jagerman** [GPGVS92]. **Jain** [AA16a]. **Jarratt** [AABM17, CHMT10b, RWB09, Sol11, WKG11, WK12]. **Jarratt-like** [AABM17]. **Jaynes** [Kar07]. **Jean** [AL04]. **Jeffrey** [NZF11]. **Jitter** [Dab04, CHH93]. **JMP** [ZLL+21a]. **John** [BJK+24]. **Johnson** [EN11]. **joining** [BESC22]. **Joint** [Ano95b, CB13, JL21]. **Jordan** [MGL20]. **Joseph** [DMW23, WDL23]. **Josephy** [AH10]. **journey** [CR00]. **Julia** [KR23, KGN+24, SSH19b]. **jump** [Che22, Che24, RW06, YW17]. **jump-adapted** [YW17]. **jump-diffusion** [Che22, Che24]. **jump-extended** [YW17]. **jumps** [BT23, LGL23, OKP21, SZ21, ZWW21]. **just** [Wri95].

Kaczmarz [PP17, Pop19, CH22, EN11, HDL23, HZ24, LHZ20b, PP16, Pop18a, RN21, TL23, Wu22, ZHSX23]. **Kaczmarz-type** [Pop19, Pop18a]. **Kahan** [BJNKR20, BEJR23]. **Kalman** [JS23]. **Kansa** [Kar10, KJC18]. **Kansa-type** [Kar10]. **Kantorovich** [AH10, GTA19, LWN13, LMMD05, UA09]. **Kantorovich-type** [AH10].

Kármán [YXL18]. **karst** [LCW20]. **Kawahara** [CMWP20]. **Kawasaki** [LZL20]. **KdV** [LKQ23, SW14]. **Keeler** [VA20]. **Keller** [KKA17]. **Kelvin** [KBP17, Pan18, ZD21]. **Kernel** [BLS06, FH00, KST21b, LRM16, MO04, AR13, AF13, BAV18, BRZS23, DR07, HSY23, Khe12a, KH20, LX23, LZ09, LYY12, Maj14, MS23c, NS24, Tan20, Tru24, WZ11, WZ15b, WCD21, KST21a]. **Kernel-based** [KST21b, DR07, KST21a]. **kernel-independent** [LX23]. **kernels** [ASS11, Ave20, Cai22, CFM15, GZ20, HS96, KSCS08, Lev95, Lig93, ML20, MH23, SP21, TA96, WHD22, Xu19, ZXF14]. **Kerr** [JLFL19]. **Kerr-type** [JLFL19]. **key** [FEL15]. **kinase** [MB09]. **kind** [AR24, AZ19a, AAD14, Cai22, Den14a, FNS19, HVMT17, HSTW14, Hun95, IR13, LM21, ML20, MH21, NS24, NLT21, PP24, PP18, REM21, SP21, WLJ24, YZ11, dAFPR23]. **Kinds** [MC05b, MC05c, DDRS23, GMZ19, ME95]. **kinetic** [OKP21]. **kinetics** [Fly22]. **Kirchhoff** [JZYY23, KKPT16, SKP20]. **KKT** [ZL07]. **Klein** [CZ23, CG20, DMA09, Don13, LHZ20a, LV18, ZHFW21]. **Knots** [CMRS01]. **knowledge** [Bea96]. **known** [AAAA$^+$18]. **Kober** [PS17]. **Kogbetliantz** [NS22]. **Kogbetliantz-type** [NS22]. **Kohonen** [Hof05]. **Kolmogorov** [Ila20]. **Koornwinder** [KW96]. **Korobov** [DKL15]. **Korteweg** [TA24, YZZL17, YZLZ22]. **KPP** [Bou06]. **Krasnoselski** [KAF18b]. **Kravchuk** [ADGP15]. **Kriging** [AD22]. **Kronecker** [CK20, Cor91, FT05b, MMV19, YHZL21]. **Kronrod** [Bou17, DPS18, Lau07, Mon01, Not95, OPSM22]. **Krylov** [Aih17, AFN16, AFN17, BBS20, BM19, BLW09, BPS23, BEHS20, BMS24, Bre99a, BPR21, Cas17, CK24, EJR02, ED22, HE05, IS17, Jaw22, Jbi03, JL15, Jia20b, Lam09, LC19, LLWC24, Lun23, MB09, Mia19, MR02, PK21, PV98, RR00, Sch17, SWB08, SWJ24, TY96, ZS08]. **Krylov-like** [Mia19]. **Krylov-type** [IS17]. **Kulisch** [AL04]. **Kuramoto** [MK17]. **Kurchatov** [EGGSH13, HVYMS23]. **Kurchatov-type** [HVYMS23]. **Kutta** [AMCM06, Con93, Jat15, LG19, PFT98, SQG13, VH12, AH15, AMM17, AMM18, BJ98, BS14, BB14b, BD98, BC99, BJ04, CGPM00, CMR03, CT10, Che14, CQLY15, Che16b, CDI14, DJ10, EH97a, FYM14, FYYW19, FHL21, JT96, Kha14, KM19, KFK$^+$24, Li17, LT20, ME92, MV02, MC08, MKS18, MHA16, ST21, SZ24, TX19, Tir02, TCW14, Tsi07, TÖ17, VV11, Ver10, Ver14, Ver24, WG13, Wri02, XT16, ZYQ$^+$21, Zha24, dS24, vSv94]. **Kutta-Nyström** [CQLY15]. **Ky** [Wat93].

L2 [LCZZ23]. **L2-1** [LCZZ23]. **Lacunary** [Mas05]. **lag** [SS15, SKTGR19, WXQ20]. **lagoon** [CDF99]. **Lagrange** [BZ24, CF96, DP21, EEM20, GL15, IZ24, JKK$^+$08, Kun01, LC14, MS23b, MG91, Pre93, SX96, SLT20]. **Lagrangian** [AHS22a, AHS22b, BW13, HSS04, SS03, TYSY20, Wit96]. **Laguerre** [Cam19, CRV91, DHM12, Gau09a, Gau14, Ghe13, KJG23, jLyLqW17, MM08b, MM09a, QW08, Ter22, XyJl16, YWZ19, YYW21]. **Lambert** [Gau11a, Joh20]. **laminar** [NM14]. **Lanczos**

[BRS92, Bag00, BR06, BPP23, BEJ20, BEGG91, BRS91, BRZ98, CR99, CR02, CR12, Cdv98, CPRZV23, DB98, FGP91, GGV96, GV99, GM97, GSV96, JNS19, JLZZ23, PP21, Soo15, Van02, Vos00, Ye96]. **Lanczos-Based** [CR02]. **Lanczos-Type** [Van02, BRZ98, Cdv98, CPRZV23]. **Landau** [HP18b, HWZ24, WS24a]. **landscape** [DMZ20]. **Landweber** [Erb15, YZL20, YPL21]. **Lane** [ITA24]. **Langemeyer** [Har20, Mat15]. **Langevin** [WC24]. **language** [MdR13]. **Laplace** [Ant22, CAB22, DW15c, HV15, KH11, Kuh13, LM14, ML10, NPR08, WGZ18b, WQL20, WF23, ZW12a, ZLLH22, DCM+13, DCMM13]. **Laplace-space** [Kuh13]. **Laplacian** [ALZ21, JP14, LWD23, ZLCW23]. **Large** [EJR02, GSA03, HL03, HSZ03, Jbi03, LWwCL13, AAB13, AN17, Ali23, AKB15, And22, Ano17, AGS20, AG23b, Bai97b, BLW09, BPS23, BG91b, BEH24, CKO24, CDT10, CR99, CMRS00b, CH22, CC13, CL96b, CDP16, ED22, Ema96, FGS24, GGN14, GHN19, GH09c, Guo16, HJ18a, HPS97, HRY19, HJ21, HZ24, JVH15, JNS19, KW00, La 17, Lei15, LZ21, fLxX12, LL18, Md12, OR17, Pan96, RRS09, RR98, RR00, Rog95, SS99, SW00, ST22, Sti18, VBG96, WCLW16, WYP23, Wu22, YCL17, YXL18, ZTW19, Zha20, ZQS24, ZW20, ZZLV23, ZS08]. **Large-Scale** [GSA03, LWwCL13, AAB13, AN17, Ali23, AKB15, And22, AG23b, BLW09, BPS23, BEH24, CH22, CC13, FGS24, GHN19, Guo16, HJ18a, HRY19, JNS19, La 17, LZ21, LL18, Md12, RRS09, RR00, Rog95, ST22, Sti18, WYP23, YCL17, Zha20, ZW20]. **larger** [Ma20]. **largest** [BG91b, GL07, Gau08b, HM18a, wYN18]. **laser** [WXQ20]. **lateral** [BCJ22]. **lattice** [BDL+12, FEK+23]. **lattices** [CG05, CG07a, JKK+07, JKK+08, LSX10]. **Laurent** [AAPR21, BHJTM92, CGV92, GCGVH92, MC05b, MC05c, Pow93, Riz18, VGM96]. **Laurent-type** [AAPR21]. **Lavrentiev** [SGJ15]. **laws** [AC17, Sar06]. **Lax** [ZZ10]. **Layer** [Boy05, SC03a, ADA07, CYM22, DL21, FY13, FHAL15, Ghe13, Ghe16, KR11, KK16, LPRÁ24, Lin05, Mot14, NZF11, NM14, NMM18, RS20, TPLB22]. **layer-adapted** [CYM22, Lin05]. **layers** [ALZ21, LZ18c, LZ23c, MN11]. **LBMAT** [FEK+23]. **LCCO** [AG15]. **LCP** [CKS16, LYY12, PPR15]. **LDG** [ZLW+13]. **LDL** [Orb15]. **Lead** [MKO04]. **leading** [MD15]. **leap** [HMT17]. **Learning** [CMMP19, BWB24]. **Least** [BCV03, DG05, Ell93, Hei06, LMV00, LV01, MMV19, PG05, SK04, AAH20, Ari98, AAD14, BGS24a, BRS09, CR20, Dax09, DMA19, DWX17, FGS24, Han22, HM22a, HM22b, HYW20, Hei07, HZ95, jHyPlZ06, HM18b, HM19a, KC23, LDN16, Lei15, LEK21, LL22a, LJ22, MMGH17, MRS93, MZW20, MS24b, NC94, NK21, OC24, OLB94, PT24, Pen13, RAH11b, Rum14, SEG14, ST18, SM21, SMN24, SXHZ20, TV19, VZ93, Wu22, XXW17, YCW+19, Yua21, ZH22, ZLWZ21, ZW22, ZZ22a, ZLZ23, ZLWQ09]. **least-change** [Ari98]. **least-norm** [PT24]. **Least-Squares** [DG05, PG05, SK04, Hei06, CR20, Han22, HM22a, HM22b, Hei07, PT24, ST18, Wu22]. **Lebesgue** [BEL23, CYIB12, dC22]. **leech** [AB98]. **Leffler** [WZ23a]. **Left** [MS01b]. **Left-Hand** [MS01b]. **leg** [KS06]. **Legendre** [Ahu09, BZV16, BK04, BK18b,

CQ16, Cai22, EDAM13, ES19, GK20, HIK17, Hun95, ITA24, KSCS07, LW22, Luc97, MH21, MG11b, ROB18, SHF15, YYW21, ZJWF18, ZJZ20]. **Legendre-based** [ES19]. **Leja** [Chk20]. **Lemaître** [Le 19]. **lemma** [BS21, CW08, EN11]. **Lemniscates** [PMO05, Ple03]. **length** [BKA19, CKP19, FRR07, NR24b]. **Leopardi** [Kou07]. **Lerch** [DN24a]. **Leslie** [MWZL23]. **less** [And22, BESC22, EG19, EV22]. **Letnikov** [CSZ22]. **Level** [FAMA20, ARSS19, BMV09, DW22, GLV05, LAG05, MBR21, MT12, NG23, Rab92c, ST99, Wan18, XL24, ZZH15, vdMRS06]. **levelling** [AE18]. **Levenberg** [SG17, SG18]. **Leverrier** [PS06]. **Levin** [Hom92, Osa92a]. **Levin-type** [Hom92]. **Levinson** [AA16b]. **Lévy** [JS21]. **Liao** [AK19, ABK22, And18b, KBA23]. **library** [BWB24, CDW95, MHR23, OBAHK$^+$19, RZ99b, Tou98]. **Libration** [Lo97]. **Lidstone** [CDD13]. **Lie** [CO03, CO19]. **life** [Bre06a]. **lifting** [AABTB23, BCL00, Laz99]. **Light** [Lev05]. **Like** [CPV04, AIA$^+$24, AABM17, Arg10, AG17, BD09, Bar13, CCV23, CHYH24, CW17, ED22, Fas23, FGC19, Gon16, GLdO09, Guo13, HRAH22, HZ15, LQ20, LC21, MA16, Man21, Mia19, MA22, PT24, PP06, PT17, Pol10, SSS14, Sal05, SHLY18, SSH20, Tan17, TS92, Wan15a, XZL12]. **Limit** [Thr92, AHS22b, AHS22a, AH13, CZLS18, Lor95]. **Limited** [Orb15, AB99, AAAGAD23, Liu14, SLL23, VL19, WZ23b]. **Limited-memory** [Orb15, VL19, WZ23b]. **Limits** [ST92]. **Lindenstrauss** [EN11]. **line** [AHR21, AAN14, AK15, BKR18, CBGVPP09, DW12, Deh20, DMR20, DMR21, GS21, GZ11, HWC15, KJ15, LZ18a, LLL18, LM13, LC21, MP00, Ovi22, SW11, SM10, TH19a, WZ16, YLL22]. **line-search** [TH19a]. **Linear** [AZMJ04, AAAS03, ABQ04, BBD03, BCN$^+$16, Bre02, BZ02, BJ04, CGV22, DDP14, De 02, DL03, GL04, GC04, GM03, IW04, INR01, Kol04b, LJW17, Pop04, Prz09, RST03, SGM02, SK04, Wat92, Wat94, Wri02, dSCS04, AEH20, AH11a, AHIJ22, AHJ22, AR16, AR20, ABS19, ALJLYJ24, ABG97, AL97, AR18, ASGJ$^+$20, AAAGAD23, ASHF21, AR10, AC19, AM13, AKT15, ANA14, BMA16, Bag00, BD06, BBC11, BCW13, BZ13, BH22, BC94, Bar91, BBO21, BOW21, BVV14, BC06, Ben99b, BGS24a, BBP17, Bla15, BMS24, BM96, BRZ98, BRS08, BV09, BH09, CR96a, CR96b, CMRS00b, CJSZ14, CF96, CL00, CMR16, CS94, Cdv98, CC16a, CL05, CLWV15, CZ20, CK20, CLWH20, CH22, CLPY23, CDW95, CCD10, Cor24, CPS12, CHK14, DEP12, DL08, DLL12b, DLL12a, DLL13, DEC24]. **linear** [Dax09, DS20, DMD16, DZ13, DLL$^+$24, Don10, DP16, Dum13, DHMS16b, Dze15, EHTSM21, Ess98, FGC19, FP18, FGL19, FM93, FHH96, FT05b, FMD23, FGS24, FS23, GWL18, GEP14, GEP16, GEP19, GP99, Gau13c, Van12, GHP$^+$00, GM97, HT16, Han22, HYW20, He16, HHF22, HDP18, HR05, HSTW14, Hey01, HE05, HSE16, Hil10, HKPW19, HASI23, HL23a, HL23b, HCH18, HKCW24, HLZ14, HZ24, IKMS24, JRB17, Jbi93, JRS09, JJ13, Jia20b, JS23, KBCG13, KST06, Kaz24, KMZ18, Ke21, Khe14, Khe16, KKO17, KS18b, KGN$^+$24, LLAL21, Lei15, LLS11, LYW14, LZ14, LL16, LDL17, LM19, LC19, LL20a, LYH$^+$20, LZOY22, LLY22, LL22a, LZ16a, LZ19a, LA22a,

LZ19b, LZL22, LZL23, LTFL10, lLHNS23, LS07, LHL11, LJ22, LZX22, LX24, LAH22, Lóc18, LM12, Luc97, LWZ21, MAH22, MKBY19, Man21]. **linear** [MW98, MS06, MG20, Mez22, Mic93, Moh10, MK17, MMLM20, MRS06, MRS10, Mor17, MHA16, MM11, NS24, NRS12, Nie93, NNCN23, OI14, OR17, OOO11, PYD23, PH14, PLH20, Pla99, Pop21, PG15, PP21, RWTW19, Rum14, Sad99, Sch14, SL16, ST18, ST23, SCTP00, SWS22, Sha97, SM21, SDW24, ST21, SH21a, SS24d, TT21, TLD+23, TY96, Tur94, WO00, WCB15, WQL20, WWBM21, WB17, WL17, WPL18, WK20, Wu22, XW18, XWY19, XZP+20, YWX14, YZLP16, Yan17, Yan18, YHZL21, YBK+21, YJX15, ZR17, ZM94, ZZ17, ZHSX23, Zha11, Zha15, ZD17, ZZY18, ZFG18, ZZ19, ZYW21, ZL23, ZGLH24, ZFX14, ZY13b, ZM16, ZLV17, ZV21, ZZZ22, ZZLV23]. **linear-nonlinear** [Man21]. **linear-quadratic** [Bla15]. **linear-time** [Luc97]. **linearisation** [Mot14]. **Linearization** [Kol04a, PM22, XL24, ZGLH24]. **Linearized** [BPR21, BRY14, DW22, GZD24, HP18b, KLW+23, LV18, LV21, PJ22, SZ23, WH15, YJ21, ZHFW21, ZY23, ZD18]. **Linearly** [YZLZ22, ZQzS22, APPR14, ABM10, BWC22, DW21, DEM94, MBG19, Sat24a, Sat24b, YLYZ23]. **Lines** [CG03, ACF99, ACM93, CM05, DS09a, Sut17]. **Linesearch** [Anh19]. **Liouville** [AS10, AA12b, BX19, CA22, GHC15, JLX22, lLHNS23, Mar93, TBY13, VLCL16]. **Lipschitz** [AV19, AH11b, Dab04, GA15, HLC15, Iid24, KL22, LLL22, RTD+21, TSI20, WXT22, Wan24, YYZ22]. **Lipschitz-type** [AH11b]. **Lipschitzian** [DHF21]. **liquid** [RCW22, ZWY22]. **liquidity** [KMV17]. **Liquids** [PP05]. **List** [All08b, Ano99e, Ano03b, Ano04d]. **little** [KG23, KJG23]. **Lobatto** [BCT15, Gau00, Gau09a, Lau07, MVVA08]. **LOBPCG** [KPS14, KMS23]. **Local** [AABM17, ASHF21, Ari98, CG20, DZS21, DZ21, DZ22, DMW23, GS16b, Han93, KV04, Kul10, LD21, MM17, MDR23, MS14b, SW10b, WD23, XWX24, AC17, AR09, AM16, AKT15, Bac18, Bac20, Bac21, Bac23, BI00, Che19, CYM22, DWZ14, FMD23, GG22, KAL22, KK22a, KS06, KB20, Len93, MV14, MT12, MFPG07, Mot14, QAS+24, RC14, RA12, WDL23, Wei17, Wei18, ZW12a, ZG09, ZLZ22]. **local-global** [KS06]. **localization** [Cve06, MT93]. **Locally** [CJKL23, Rab05, BL95, LKBF17, LYY12, LZX22]. **locally-kernel** [LYY12]. **Locating** [KPFG04, DFK97]. **location** [CKL16, HHLS21a, HHLS21b, Xue95]. **locations** [CG07b]. **Log** [ZLT+17, DKL15]. **log-cosine** [DKL15]. **log-Korobov** [DKL15]. **logarithm** [AM12]. **logarithmic** [Gau10, Gau12a, Gau13a, GQ09, KSCS08, LNS23, Ost07, Sab91, Zha23]. **Long** [CKP97, MKBY19, FT24, Hol98, HWZ24, LZ23a, LS11]. **Long-term** [MKBY19]. **long-time** [FT24, HWZ24, LZ23a]. **Look** [RSCH+19, BRZ96, Gau22, GM97, Mic93, San14]. **Look-ahead** [RSCH+19, BRZ96]. **look-around** [GM97]. **loop** [BESC22]. **Lopsided** [LYW14]. **Lord** [MC05c]. **Lorenz** [GPAA14, WLL12]. **Lotfi** [CN16]. **Lotka** [CCHH23]. **Love** [FRS21]. **Low** [BHS14, BG13, CMM17, FH97, GSA03, KKM20, BBL23, BKS13, BHW23, BEHS20, EGG08, EKPU23, Faz23, GK24,

HV15, Jay21, Kie23, LHZ+21, LLWC24, Lun23, MVVA08, MDR23, PK21, RS21, SYZ22, WC23, ZFH23, Zhu15]. **low-cost** [ZFH23]. **low-dimensional** [GK24]. **low-error** [HV15]. **low-genus** [Kie23]. **Low-Rank** [GSA03, BHS14, BG13, CMM17, FH97, KKM20, BBL23, BKS13, BHW23, EKPU23, Faz23, LHZ+21, LLWC24, PK21, WC23, Zhu15]. **low-synchronization** [Lun23]. **lower** [ARSS19, Ber00, HL17, LM17a, Ver14, YKY15]. **LOWLAD** [BL95]. **LP** [TO21]. **LQ** [DTI09]. **LQP** [Bno21]. **LS** [AIA+24]. **LSMR** [Jia20b]. **LSQR** [BRR13, RSZ20]. **LU** [SZ99, Deh20]. **Lubich** [MSS11]. **Lubkin** [BBM08]. **Luigi** [All08a, All08b, GG08]. **Luminy** [BV96]. **lumped** [QLZX11]. **Lyapunov** [DL97, BQO99, BHS14, BH17, BPS23, FWC16, GSA03, HJ18a, LWwCL13]. **Lyapunov-type** [DL97]. **Lyapunov/Stein** [FWC16]. **lying** [PS20].

M [VB92]. **M-Padé** [VB92]. **Machine** [RDdRC04, BWB24]. **macro** [Zaf22]. **Maehly** [MC05b]. **magnetic** [CEK21, MT93]. **magnetohydrodynamic** [MDR23]. **Magnus** [YBK+21]. **Magnus-type** [YBK+21]. **Mahony** [ZLS24, ZJZ20]. **Maintaining** [Sv95]. **major** [Wat94]. **majorant** [EHV19, Gon16]. **majorizing** [AH13, AG13]. **Mandelbrot** [GJV17, KGN+24]. **Manifold** [CO03, LZ12, ODL21]. **manifolds** [CKO24, JJK97, RFS23, Rob97, Sha97, SR22, ZZX+23]. **Mann** [KAF18b, MM17]. **many** [DBV23, JYLC21, LNS23, Szy06]. **MAOR** [CHK14]. **map** [BR07a, JVH15, LK20]. **Mapped** [Mat01]. **mapping** [BDV18, LZ16b, MWsC19, Tru24, VA20]. **mappings** [Bag16, BI00, CSI16, CSI17, CRN19, DM98a, Den14a, Fan15, GMZ19, GEA20, HS20, HMA16, IAH20, KAF18a, LQ20, LCL21, MN17, PKC18, PDRG19, RZ16, RTD+21, SKK21, SIO20, SCS18, TB19, TSI20, YAT20]. **maps** [AH08, CD99]. **Marchenko** [GM21]. **marching** [AF13, BZS22, FLG08, GD15b, GNH10]. **marching-on** [AF13]. **Markov** [dC23, BBZ95, BBL22a, Dra00, DMS09, GM23, vGK04]. **Marquardt** [SG17, SG18]. **Martensen** [DS15]. **Maruyama** [ABB15b, ABB15a, GMY18, HSY23, LDH23, LM17b, VH12, ZJ23]. **Mascheroni** [Che16a]. **Mass** [Sza03, DFP+10, Fly22, LDX23, MvS09, QLZX11, YL22, ZYJY22]. **mass-** [YL22]. **mass-conservative** [LDX23]. **mass-preserving** [ZYJY22]. **massic** [FJT94]. **Massively** [AL97, DM21]. **massless** [MY22]. **master** [MB09, San14]. **matched** [DL21]. **matching** [ASW06, BKPS93, LPRÁ24, Sch17]. **material** [RW06]. **Materials** [BE03, RW06]. **Mathematica** [MdR13]. **Mathematical** [Ano92, CR00, DHL+04, Jos22, DJS20, JR20, KN23, PH20, SW22, WZZ15]. **mathematics** [RK11]. **MATLAB** [AEF+14, BNN16, BMR19a, DdAF+20, GHN19, HL03, HCBAEC23, HM22c, Sut17, Yan17, ACF99, CDSV11, CFR19, FHH99, Han94, Han99, Han07, KR23, LP13, LLZ18, MBR21, MS14a, Mil20, NPP04, RZR12].

Matlab/Octave [CDSV11]. **Matrices** [BO03, BG03b, CPV04, DL03, DR01, FG03a, Han02, HR03a, IMT02, LV01, The97, AAAA+18, ADL05, ANI15, ANI+17, ACG20, BCW13, BM19, BM94, BBL22a, BM12, BG91b, BIM+23, Bos21, VVV22, BK16b, Cas17, CD96, CT93, CO94, CP00b, CLWV15, CW19b, CUY24a, CUY24b, CT06, CK06, DLL12b, DLL12a, DPP19, DP16, DS09c, DS12, DR12, EGG08, EG19, EV22, EK94, Ern00, ED13, Fas23, FRJT09, Faz23, FLV14, FM99, FGS24, FDV13, GWL18, GEP14, GEP16, GMP92, GV00, GNT24, Haj16a, HN94, HG93, HPS97, Hil10, HW18, HM18c, Hua18, JBJB17, Jia06, JL16, Jia20a, JXX+23, KH18, KV00, KM09, KM13, KRS19, KN21a, KN21b, LW20, LRT19, LZ14, LPGL16, LL16, LG17, LDL17, LL20a, LYH+20, LLY22, LZX22, LXQ15, Lu15, MPR22, MVV05a, MW98, MT15, MK97]. **matrices** [Mit11, MA95, NSM20, NR12, Orb15, OO22, PS06, Pol10, RZR12, RWTW19, Sch17, Sto93, Tan17, TT06, TA13, TK94, Uhl22a, Uhl22b, VGV06, VBG96, Vos00, WGZ18a, WZVJ22, WZ15b, WPL18, XHZ07, XLW20, YHZ20, YP23, YLY12, ZCG15]. **matricial** [BC09]. **Matrix** [AH03, ABQ04, BP03, BFK+09, BFK11, BCM10, BZ18, CP01a, DP01, GS19a, GL04, GCGVH92, HE05, HS03, JS15, PGGC97, ST02, AMH10, AMA21, AAPR21, AM21, AL09, BMA16, BBQO07, BL92, Bel08, BQO99, BEQOR14, BEJ20, Ber00, BHM05, BMR19a, BESC22, BSF17, Bos21, BEH24, Bre00a, CR00, CW19a, CS18, CR20, CZ20, CZM21, CDD21, CsL24, Cve06, DLL13, DMT13, Dax17, DMD16, DMR20, DMR21, DPP19, DM97, DLLD17, EKPU23, EG19, EV22, Fan22, FPP05, FDFM23, FYI+12, GM23, GWW15, GI10, Guo13, GL20, HJ18a, HT16, Haj16a, HH05, Har18, HHLS21a, HHLS21b, HHLM23, Hig97, HS16, HN16, HM22c, HASI23, HST15, jHyPlZ06, HM18b, HM18a, HM19a, HJ21, JL15, KP96a, KST06, KMZ18, Ke21, KPS14, KKM20, KKK22, Lei15]. **matrix** [LY17, LMUZ19, LLWC24, lLhYfD07, LZL22, LZL23, Low05, MS92, MPS20, MS23b, Meu09a, MG20, MG21, MK94, MG11b, Mor17, MVG21, NH24, NZ19, NR24b, OOOR12, hPwL09, Pen13, PLH20, PZ20, Pop18b, ROB17, ROB18, RWTW19, Rum12, SY20, SDL+23, SS21, Sol23, SZ99, SZ24, TPY14, TH23, Ter23, TM10, Uhl09, Uhl22a, Uhl22b, VB92, VC10, WC23, WCB15, Wat93, WHS23, WPL18, WL22b, XHZ07, YKY15, YLD11, ZTW19, Zha11, ZHY+20, ZLL+21a, ZJJW24, ZYBJ23, ZY13b, ZLV17, ZV19, ZV21, Zhu15, BBPV12]. **Matrix-free** [BZ18]. **matrix-function** [CDD21]. **matrix-less** [BESC22, EG19, EV22]. **matrix-type** [BL92]. **matrix-valued** [AM21, Low05, SZ24]. **matrix-vector** [Ter23]. **Mauro** [BT14]. **Max** [BHH24, fLxX12, Śmi06]. **Max-convolution** [BHH24]. **max-cut** [fLxX12]. **maximal** [Bic24, CV92]. **maximization** [DM22, TD09]. **Maximum** [SZ24, ASGGRG23, CS22, FM19, GLM15, SZQS23, ZYQ+21, ZY23, ZQS24]. **maximum-principle-preserving** [SZQS23, ZQS24]. **Maxwell** [JLFL19, LXZZ21, Yua21]. **may** [KSW07]. **McCallig** [Dun94]. **McKendrick** [HT23]. **mdLVs** [NIN12]. **MDPMHSS** [CW19b]. **Mead** [Gal22]. **Mean** [Neh04, WCHK21, ALRT16, Cas17, Flo16, FP20, GQ09, ST23, SZ20, SZ21, YCW+19]. **mean-field** [SZ20, SZ21]. **Mean-square** [WCHK21, ST23].

Means [BCV03, CD01, Bin96, BM06, GS95, Mil20, Pié99, The12]. **measles** [ALB+18]. **measurable** [Dam08]. **measure** [GM21, NT21]. **Measurement** [Dab04, CHH93, LXX23]. **Measurements** [MKO04, Zak17]. **Measures** [BBR03, Sza03, Dam08, DMR21, DFP+10, DDRS23, EK94, FMD18, GHM08, Man07, Man10, Not95, TTV21, VP23]. **Measuring** [LAH22]. **mechanical** [CH11, LHW13]. **mechanics** [GHP+00, GJVW24, MZ19]. **Media** [AA03, CGN03, ASZ23, GM20, JLFL19, SLLA15, Yua21, ZZZ20, dOS07]. **Median** [CSFC04]. **medical** [CTS09, HOW95]. **Meir** [VA20]. **Mellin** [DL18, Mon96]. **memory** [AB99, And22, BD17b, CLBT15, FT14, JKNR13, KKB16, Liu14, LSG15, LXQ15, Orb15, PS16, SS06, SLL23, VL19, WZ15a, WZ23b]. **memory-less** [And22]. **memoryless** [BK16a, BKA19, LZ22c, LTP18]. **Menten** [SMK14]. **merit** [ZLLC11]. **meromorphic** [EAB20, PS00]. **Mesh** [MST03, MT04, NS01, SC03b, ST02, WCM94, BPR22, CD15, Das19, FZLL23, FHC21, FSY23, Kac18, LZ23b, LZ23c, Maj14, MS01a, Moh10, MK17, NV21, QL12, ST98, WLY+21, YHQ19, YF22, ZL22b, ZZY24]. **meshes** [CL00, CZ94, CZ95, CZ96, CYM22, CL96a, CGL99, FLR01, FS21, Kno23, KK16, Lai92, LGC24, Lin05, LRY18, LZ18c, LCGH23, MT12, MS23a, PR10, PTSB01, Ple12, SS94, SKJ+18, ZL23, ZWX22]. **meshfree** [BS19, SB21]. **meshing** [PTW22]. **Meshless** [Flo03, MS14b, AD17, AF13, Ant18, AAD14, CMD19, DS09b, DAM16, KB20, MFPG07, Mil13, Mil20, Sal17, SH12, SW14]. **meshless-type** [SH12]. **meta** [Kub23]. **meta-programming** [Kub23]. **metal** [NAR05a]. **Method** [AZMJ04, AG03, ASS03, BD03, BD04a, BBD03, Bog02, BE03, BM03, Che04, CN01, CGL01, DLL04, DG05, DS09a, DFF04, ED05, FEK+23, Fun01, GPP01b, GSA03, JC04, KV04, KZ03, LRGH02, Nac03, PG05, Rec01, SC03b, TC05, VR04, WSY04, Zil01, ZKD04, ALQ17, AS10, AJ13, AD17, AEH20, AR24, AF23, AAFL23, AAM24, AK19, AIA+24, ATC16, AAH20, AWH+24, AA12a, ADL05, AK12, AM01, ABB15a, ABB15b, AB99, AM12, Ali23, ASS13, AG19, AC17, AABM17, ABK22, ADA07, AA09, And18a, And19b, ABM10, AC11, ATT22, Ant22, AU08, AH08, AR09, Arg09, AH10, AH11b, AH13, AHVR17, AGS20, AM18, AG23b, AC19, AT17, AAD14, AGG17, AHC13, ACH17, ACH19, AVI97, Awa10, Bac18, Bac20, Bac21, Bac23, BRR13, BD06]. **method** [BL23, BGR23a, BEM99, BDV18, BCS18, BBCS21, Bel08, BB14a, BKS13, BHW23, Ben99b, BEJ20, BEHS20, BEJR23, BGS24b, BX17, BBB22, BKF20, Bhr16, BZV16, BRW11, BFK+09, Bia12, BK18b, BFKM20, BFK22, Bic11, Bic24, Bin96, BF14, Bno21, BS19, BCJ22, BCJ24, BEH24, BX19, BRMG18, BHT16, CQ16, CR96a, CR96b, CR99, CMRS00a, Cam19, CCTV23, CM15, CHY19, CW21a, CG20, CP95a, CD96, CL10a, CZ14, CC15, CC16a, CDG23, CCL18, CKY99, CL06, CLA11, CD15, CM16, CC16b, CWL16, CFL19, CW19b, CDLW21, CH22, CHYH24, CC13, CYM22, CR23, Cho16, CK22, CW17, Cic20, CJ17, CVX16, Cor24, CFK+20, DW12, DWZ14, DWC18, DW24, DMT13, zDYG18, DD20, DMC20, DSI11, DM98a, DL18, DS09b, DAM16, DS20, DBH21, Deh20, DP21, DC17, DZ13, DW22, DN19].

method
[DDG05, DW15c, DMT22, DEM93, DBAE09, Don16, DJG18, DS09c, DHV22, DYW16, DLDW21, DL09, DN24b, Dum13, DHMS16b, Eft15a, Eft15b, EV22, EDAM13, EG18, EE18, EN11, ED22, Ema96, EH97a, EA12, ES19, EGGSH13, EHVRV14, EED19, FAMA20, FY13, Fan15, FY19, Fan22, FEL15, FGM19, FZL$^+$16, FGC19, FHC21, FSY23, Le 19, Fly22, FLG08, FMD23, FR18, FR12, Gal22, GM06, GHC15, Gar24, Gás99, GKL21, GN12, GH23a, GK20, Gla01, GNH10, GO20, GLdO09, Van17, GLRSG08, GO06, GGS22, GP05, GMS99, GL15, GSV96, GZ11, Gu20, GWL20, GK21, GW24, GMY18, GL20, GJVW24, GHPMGRR14, HLS10, HHST19, HT16, Hai09, HL06, HZPW23, Han22, HYW20, Har20, HHHN07, He16, Hei06, HZ93, HCBAEC23, HSTW14, Hey99, HSE16, HS16, HK06, HFDSC24, HASI23, HSK20, HST15, jHyPlZ06]. **method** [HLTA16, Hu22, HNY$^+$18, HLZ14, HL15b, HLC15, HL17, Hua20, HS21, HWZ24, HZX20, IAAH24, ITA24, Ila20, IDAV09, Jai16, Jai17, JL12, JSF13, Jat15, JR20, JCL16, JZYY23, JNS19, JZF$^+$20, JHLL15, JWL20, JYLC21, JWY21, Jón93, JN99, KMH24, KKPT16, KJ18, Kao20, KP96b, Kar15, KCHD16, KAF18a, KAF18b, Kaz24, Kel07, KR11, KS20, KH11, KGH14, Khe16, KH20, KOK21, KK22a, KBA23, Kno23, KKO17, KS23, KL06, KPA20, KH18, KLL10, KJO23, KK12, KB20, KGN$^+$24, KHM20, KP22, LLAL21, LP08, LP12, Li95, LMMH11, LLS11, LWwCL13, LYW14, LHW17, LG18, LZ18a, LWZ18, LLL18, LRC19, LHR20, LLX20, LLY22, LZ22a, LZ22c, LDH23, LDX23, LLD23, LZ23a, LBF24, LM14, LZ15, LZ16a, LZ18b, LX23, LZ16b, LZL22, LZL23, LNS23, LGW14, LS15b, fLxX12, Lin16, LLL22, LHL11, LM13, Liu14, LWQR15, LSW16]. **method**
[LM17b, LRY18, LL18, LF19, LDL$^+$19, LLC20, LS20, LW22, LH23, LZ23b, LZ23c, LCGH23, LX24, LTP18, LWN13, LA22b, Lor19, LKK21, LG95, LKKM15, LCW21, LPXX19, LXP20, LV21, MKG24, MBG19, Ma20, MS20a, MGL20, MsC20, MH21, MH23, MJJ$^+$23, MBJ17, MAS17, MC08, MN17, Maj13, Maj14, Man21, Mat15, MHR23, MFPG07, MM09b, MB06, Meh11, Mia19, MZ19, Mil13, Mil20, Mil19, MNS23, MS14b, MS23c, MDH16, MDL15, Mok16, MR96, MN23c, MRS06, MPB16, MSMS12, MSM12, MS13, Mot14, MWWY13, MM11, MA12, MAFN16, NH24, NAHZ21, ND21, NRV23, NJ13, Nie93, NP22, NEMS14, NAE22, NAA19, Now06, Now13, NW17, OMU$^+$24, OdZdRV13, OBAHK$^+$19, OL23, OAMA22, OOO11, Pan96, PQS22, Pan18, PFT98, PG12, Par16, PC13, Pea13, PLZ$^+$24, PPPN23, PRK$^+$18, Pie96, PV00, PK22a, PK22b, Pla99]. **method**
[PR93, PN21, QL12, QXGZ20, RFS23, RKMS16, RR20, RMT13, RBN14, RT19, Reb97, RN21, Ree92, RT22, RZ23b, RSZ20, RWB09, RAH11b, RWTW19, RWTM21, RM13, RW06, Saa23, SS99, Sad99, SAC18, SSS14, SP21, Sal17, SLW13, SSS21, SHF15, Sch08, Sch17, SEG14, Seg98, SMZMA18, SB21, SW14, SWS22, SW24a, SS12a, SGS13, SLD20, SIO20, SHLY18, SSYL20, SS06, SW11, SCDM20, SDL$^+$23, SCF23, SFS23, Sho18, SGJ15, Si12, SLT20, SS21, SR22, SSK23, SS24c, Śmi06, Śmi13, Sol11, Sol15, SMN24, SJ14, SYLT14, SG17, SG18, SXHZ20, SJW21, Soo15, SA23, SSSS22, SGK$^+$99,

ST98, SZX11, SG23, SLL23, SZ24, SW24b, Sut17, TT21, Tai92, THF21, TO21, TH23, TYSY20, Ter23, TBY13, TH18a, TVC20, TLD$^+$23, THS20, TY96, TA13, TL24, THT19, Val14, Val15, VC10]. **method** [VdR13, VRM23, VDVJB12, VPA24, VL19, VLCL16, Vos00, VT10, VN18, VS19, WC23, WT08, WGK11, WKG11, WK12, WSY12, WZ13a, WW14, Wan15b, Wan15a, WZQT15, WZ16, WCLW16, WZQ17, WGZ18a, Wan18, Wan19, WLMA21, WHD22, WXT22, WL22a, WZC23, WDL23, WQ23, WS24a, WLJ24, Wei17, Wei18, WRM17, WLY$^+$21, Wit96, WB17, WC10, WWD$^+$12, WC13, WZZ15, WL17, WPL18, WCD21, Wu22, XW18, XLW20, XZZ22, XCD23, XL24, XZW13, XL14, XH20, XWX24, Yak95, YAT20, YWX14, YYL15, YZLP16, YW17, wYN18, YJ18, YSLH19, YZL20, YPL21, YZ21, YF22, YK22, YXS22, YLYZ23, YSLL23, YZ23, YHS18, YZBJ21, YL22, YL16, YJJ$^+$21, YZ11, YJX15, YYW21, Yua21, YLL22, YZLC24, ZR17, Zaf22, ZA20, Zas22, ZZ17, ZHSX23, ZWWW20, Zha11, ZW12a, ZY13a, ZJ14, ZHT15, Zha15, ZD15, ZZY18, ZFC18, ZSF18, ZZ19, ZYX19, Zha19, ZJZ20, Zha20]. **method** [ZBX21, ZY21b, ZYW21, ZD21, ZL22b, ZZ22b, ZL22a, ZF22, ZLLH22, ZLH22, ZZ23, ZL23, Zha24, ZWXX24, ZH17, ZWG18, ZWW21, ZH23, ZYBJ23, ZG12a, ZG12b, ZLV17, ZV19, ZV21, ZZZ22, ZCG15, ZL17, ZS08, ZCS14, ZW15, ZPX21, ZWX22, ZJ23, ZLS24, ZZY24, ZCTD24, Zhu15, ZYLN18, ZXL23, ZLTA16, ZS13, ZD18]. **Methods** [AH03, Ano05b, BCN$^+$16, BKM03, Bre02, BZ02, Bre03a, BJ02, BO02, But02a, BH02, BJ04, CVA01, CO03, Che02, De 02, DOS03b, EJR02, FG03b, GPP01a, GR01, IW04, Jay02, Jbi03, KB02, LS03a, LM04, Lui02, Mar04a, McL02, MR02, NPP04, NKS04, PR03, PL04, RS02, SFT03, SME03, Tir02, Van02, Wri02, AAA$^+$18, AD22, AH11a, AHP20, AHIJ22, AHJ22, AHJ17, AMM11, ABS19, Ahu09, Aih17, ASZ23, AMCM06, AK15, ABKD23, AH15, ABI20, ABI22, ABI23, AH14, And22, AAH18, Anh19, ATT21, AT21, Ano17, ALZ21, AMM16, Ant18, ASHF21, AH09, Arg10, AH12, AM16, AG17, Ari98, AKT15, AKKT16, AKQ17, Axe99, AK00, ANA14, AFN16, AFN17, BKG15, BKR18, BKA19, BD09, BD10, BBS20, Bag00, BR06, BPP23, BMR97, Bai97a]. **methods** [Bai97b, BBC11, BZ13, BRY14, BH22, BLW09, BRZ18, BGR23b, BBBC20, BBO21, BJ98, BHS11, BOW21, BCM16, BEJS21, BHS14, BH17, BJT24, BR07a, Ber10, BBB22, BCT15, Bia94, Bla15, BE20, BMS24, BRZ96, Bre99a, Bre99b, Bre00a, BRZ19, BRZ20, BF99b, BCI14, BS14, BMR19b, BV09, BGZ20, BB14b, BBL22b, But98, BD98, BC99, BC01b, BC01a, BH05, BH09, But10, BI14, But15, CWZ13, Cai22, CE17, CGPM00, CR12, CCV23, CW19a, CCJ10, CIP10, CJ12, CJSZ14, Cas17, CK24, CS99, CZ94, CZ95, CZ96, Cdv98, CT10, CTS09, CL13a, Che14, CQLY15, CGYZ19, CLWH20, CZM21, CL10b, CH11, Che19, CN16, CN17, CV22, CEK21, CL93, CGL99, Con93, CDI14, CDP16, CHMT10a, CKKT16, CRHTV24, CPN14, Cuy00, CK06, CHK14, CKS16, DJ10, DFJP10, DEP12]. **methods** [DDP14, VV07a, VV07b, DHJJ10, DEC24, DBTG24, DD21, DMA19, DW21, Die08, DLL$^+$24, Don10, DBGB11, DR07, DZ21, lDzS21, DMW23, DLLD17, Dzu13, EG10, Eba18, EKPU23, EHTSM21, EHN17a, EHN17b, Erb15, Ern00,

EGSHVN15, Fan19, FYM14, FYYW19, FHL21, Far20, FHS12, FH15, FT14, FGP91, FHH96, FRR07, FGR01, GH10, GA15, Gal18, GD15a, GP99, Gar20, GG22, GHN19, GX19, Gon16, GPHHAPR18, GLV05, GS19c, GNT24, Guo13, Gut15, HT21, HH11, HH12, Hal14, HJ18b, Har18, HT19, HHF22, Hea10, HR14, HVYMS23, HPS97, Hey01, HE05, HMA16, HR00, Hil10, HCH18, Hu22, Hua94, HZ15, HM18a, HWXC19, HYJ20, HZ24, HM14, IMT23, JT96, JKM18, Jay21, JS15, JLJ22, JM93, KCBT21, KT07, KNBGV18, KM24b, KD14, KMZ18, Kee94, KL22, Kha14, KS14, KMA13]. **methods** [KC24, KJ15, KKM20, Kul10, KK16, KGMH21, KV12, LS14, Lam09, LP13, LEK21, Li97, LW13, LW14, LW16, LY17, LG17, LM17a, Li17, LDW18, LG19, LC19, LRL19, LD21, LZ21, LGC24, LPRÁ24, LZZ19, LDZ24, LCH20, Lin98, LT20, Liu11, LSW16, LX17, jLyLqW17, LD20, LSY$^+$23, LH23, LZZ24, Lóc18, Lóc20, Loh22, LJbL21, LSG15, LSSS15, Lun23, LHW13, lLXhL22, ML20, MY22, ME92, Mac96, MA16, ML22, MAH22, MP07, MCW22, MJH17, MJ18, MJ20, MVVA08, MM19, MR12, MT18, MN23b, MV17, MG20, MG21, MClXzJe16, MG11a, MSZ20, MH08, MP13, MKS18, MRS10, MG22, MHA16, MS96, NBK17, NW19, NHP06, NRS12, NC94, NB16, NK16, NK21, OQ12, OIM21, OMW21, OI14, OLB94, OM18, Osa92b, Osa12, ODL21, OAR22, Ovi22, ÖRBB14, PK21, PNW17, PR10, Pas11, PP24]. **methods** [POP17, PHI98, PMM11, PR14, PS16, PH20, PS20, PV98, PG15, Rab92a, RSKB17, RTCL21, RA12, RhG15, RS97, RS93, Rog95, RVF07, Sad05, Saf10, SS11a, Sar06, SFMK23, SW10a, SL21a, SH12, Sha97, SS10, SM21, SL21b, SS15, SKTGR19, SS98, SWB08, ST99, ST92, SvF94, Sv95, SS08, SS12b, SS16, SM10, Ste20, SS94, SZ21, SLL22, SZQS23, SC18, SX00, TQC22, TPY14, TX19, TTXZ23, TCOA19, Tem08, TTLD20, TRSI23, TCW14, TÖ17, USAF14, USM24, VH12, VV11, WO00, WZ13b, WK13, WSK14, WK14, WK15, WZ15a, WDL16, WK16, WK17, WZ19, WCHK21, WYZ21, WD23, WL24, WHS20, WF23, WL22b, XT16, XLC93, XZP$^+$20, XLG22, XSL22, YM24, Yan95, YWWR12, YDWL15, YZ17, YBK$^+$21, YH97, YZY$^+$14, You16, YYD14, YWZ19, YSXY19, YP09, YQM16, ZCT19, ZYW17, ZWFY19, Zha09]. **methods** [ZW12b, ZLW$^+$13, ZW14, ZZH15, ZCGS24, ZXF14, ZFX14, ZXLF15, ZLL21b, ZY13b, ZM16, ZZLV23, ZZB20, ZYW22, dR99, vSv94, vdHM98]. **metric** [CS24, IUM$^+$19]. **metrological** [CP93, CP95b]. **metrology** [For93]. **MFS** [CKL16, KST06, Kar09, Kar10, SK04, ZBDK23]. **MHD** [MSMS12, SFS23, XSL22, ZSF18]. **MHSS** [BBC11, YWX14, ZZ17, ZCG15]. **Michaelis** [SMK14]. **micropolar** [XL24]. **microscopic** [SR22]. **microscopy** [MvS09]. **midpoint** [AU08, TB19]. **Migration** [De 02]. **mild** [AH09, HVM15]. **Milne** [MJ18]. **Milstein** [KJ18, TS15, ZSLZ24]. **MIMD** [AAIT94]. **MIMO** [KV07]. **min** [Ska13]. **min-range** [Ska13]. **minima** [PSWE23]. **Minimal** [AM01, FM04, MS01b, SC03b, AABTB23, BJT24, Liu11, LXQ15, PP21, Sad05, Sid94, WCD21, YKY15, ZD15, dAFPR23]. **minimal-norm** [dAFPR23]. **Minimality** [Mas05]. **minimax** [CT93, Jón93, KLT95, ME95, PR93, Ree92, ZGLH24]. **minimisation** [CC06].

Minimization [GR01, LM04, AAA+18, ALV20, And14b, Ari98, AGG17, BR21, DR12, FGBP21, GLS+18, GZD24, HSK20, IUM+19, LP18, LLL18, Liu14, LX24, MBG19, ML22, MH22, OAR22, ÖRBB14, PKC18, QZG+19, SG10, SLL22, SLL23, VL19, WL24, ZFZ19, ZLL21b]. **minimizing** [HL15b]. **Minimum** [ZYW21, DIM22, HYW20, HZ15, LRL22, OIM21, Rip93, SH17, TLD+23]. **minimum-error** [SH17]. **minimum-norm** [LRL22, OIM21, TLD+23]. **minimum-time** [DIM22]. **Minkowski** [FH04, FHH05]. **MINRES** [HFDSC24, Soo15]. **Mirakyan** [AUD18]. **mirror** [BG24]. **miscible** [HFZ19, Hu22, LDX23, YZ23, ZYGQ17, Zha19]. **Missing** [BK18a]. **mitogen** [MB09]. **mitogen-activated** [MB09]. **Mittag** [WZ23a]. **Mittag-Leffler** [WZ23a]. **Mixed** [CHYZ98, CM98, DM03, Far20, Kee94, OC24, PW04, SFZ22, ASZ23, AW23, BD17b, CFR06, CA22, Den14a, lDzS21, DZ22, DMW23, EH97b, Gaj05, GPHHAPR18, GZP18, HFZ19, Hu22, HS21, JZYY23, Kar15, KAF18b, KMS23, KN18, LR18, LDX23, LTFL10, LYL15, Man21, Oua99, SGO22, SS24a, SKP20, Si12, SSP15, WG99, WLY+21, WZ23b, YZ23, ZYGQ17, Zha19, ZF22, ZYJY22, ZW22]. **mixed-order** [EH97b]. **mixed-type** [LTFL10]. **Mixing** [And19a, ABV23]. **Mizuno** [YZLP16]. **ML** [HHLS21b, HHLS21a]. **MLS** [AAD14]. **MN** [WGZ18a]. **MN-DPMHSS** [WGZ18a]. **mobile** [QXGZ20]. **mobile/immobile** [QXGZ20]. **Möbius** [LK20, MP08, dDS00]. **mode** [BJT24, CCZ23]. **Model** [BW93, Car01, Cha04, GSV96, RDdRC04, Str09, dADdRC04, ALB+18, AHJ17, ASGGRG23, ACSD16, BMA16, BHS14, BH17, BHS23, CPZ14, CV15, DZ21, DMW23, DJM+18, FAMA20, FZLL23, GGV96, GM20, GA20, GS16b, GCFF95, JKNR13, Kao20, KMV17, KLZV95, KV07, KN18, KKA17, KBP17, LGL23, LWLT19, LHZ+21, LZM23, LLLD17, LCW20, Liu21, LZZ23, NAHZ21, OKP21, Pan18, PRVI20, QXGZ20, RC14, SMK14, SLL22, TD09, VSA12, WJW14, WDL23, WZZQ24, WLY+21, WCH15, XW17, XH21, YD09, YLYZ23, YH24, ZLT+17, ZD21, ZWW21, ZLL21b]. **model-hybrid** [WJW14]. **modeled** [CMWP20]. **modeling** [DJS20, DR07, GM23, Ila20, NPS09, Pog98, RCW22, ZWY22]. **Modelling** [Hol98, CCLi16]. **models** [AH23, Bün18, BWB24, CDLW21, Che22, CT21, CCLi16, LCW23, PGGCGF11, SKA23, SFMK23, SSK23, TCOA19, XCLA15, YW17, YK22, ZY13a, ZHY+20, ZLL+21a]. **modes** [GH23b]. **modification** [BC92, MP14, OLB94, TS92, Ver99]. **Modifications** [GN12, CKY99, Gau13c, MS13, SSN+12]. **Modified** [AAM24, AB06, AAH18, AHKW04, AHKW05, BK13, CW19b, DWC18, DYW16, GB21, GSA03, GTA19, HWXC19, HFW+21, KT07, Maj14, Rei98, SS12a, SW11, Spa24, TH18a, TL24, WRM17, WL17, XLW20, ZWXX24, dAR06, AF23, AAN14, And10, AC19, AVI97, BKFMA11, BK16a, BD06, BF18, BW13, BG91b, BRW11, Bra06, BGVHN96b, CSI18, Cam19, CD96, CC16a, CL13a, CWL16, CHMT10b, DW12, DL18, Deh20, DW21, DMT22, DDRS23, DJG18, Eft15a, Eft15b, EK94, FGC19, Guo16, GLL19, Hem94, HWXC18, KM17, KM19, KR20, KK22b, KZ21, LMV24, LG17, LG18, LZ22c, LLLD17, LL20c, LZZ23,

MJJ+23, MP00, MMGH17, Meu09a, OPSM22, gOM14, RT19, Rha22, Sab92a, SS10, Si12, SCS18, TQY21, TY96, VBG96, WK12, WK13, WK14, WK15, WDL23, WL24, WC13, XM16, XZZ22, XZP+20, XCY21, YAT20, YZZL17]. **modified** [YZLZ22, YLL22, Zha09, ZYW21, ZV19, ZCG15, ZCS14, ZCTD24, ZXL23]. **Modify** [AA16b, Hea10, MH08]. **modifying** [CZH22]. **modular** [BGR23b, RZ16]. **module** [VB92]. **module-theoretic** [VB92]. **moduli** [RW06]. **Modulus** [BZ13, DW24, MG20, MG21, ZZLV23, CW19a, CZM21, Fan22, KAL22, KMZ18, LY17, LZOY22, LLY22, LZL22, LZL23, Mez22, RWTW19, WL22a, WPL18, WL22b, XZP+20, Zha11, ZY21b, ZY13b, ZLV17, ZV19, ZV21]. **Modulus-based** [BZ13, DW24, MG20, MG21, ZZLV23, CW19a, CZM21, Fan22, KMZ18, LY17, LLY22, LZL22, LZL23, Mez22, RWTW19, WL22a, WPL18, WL22b, XZP+20, Zha11, ZY21b, ZY13b, ZLV17, ZV19, ZV21]. **MODUS** [MSCB93]. **Moisil** [Caç10]. **molecular** [CB00, GKQ24, Rei98, Saf10]. **Molecule** [MN01]. **Molecules** [LM04]. **mollification** [BZS22]. **mollified** [GD15b]. **Moment** [BH92a, ZLT+17, BGVHN92c, GAM24, Hag13, Hua96, IS17, IMT23, JLP20, RS93, Sch17, Str09]. **moment-based** [IS17, IMT23]. **moments** [BG91b, CP95a, LMV24, Mah10, Roh07, VBG96]. **momentum** [LT24, Sei98]. **Monge** [BS19, SG10]. **monitored** [Bal11]. **monitoring** [AMM17, SL16]. **monodomain** [GS19c]. **monolithic** [BZ18]. **Monotone** [Guo13, KLT03, AAFL23, AAM24, AIA+24, AWH+24, AAB13, AG19, AKB15, AT21, ATT22, AABTB23, Bog13, BC16, Dey23, ER19, GS21, GZ11, KAF18a, La 17, LZ21, LYY12, LF19, LQ20, LSY+23, Ngu16, OMU+24, OL23, RIAA19, RW11, SI17, SI18, SLD20, TAM21, TB19, TTLD20, TSI20, WHS20, WD96, YL19, YLL20, YJJ+21]. **Monotonic** [LM08, VN18, Xu19]. **monotonicities** [Leo07a]. **monotonicity** [OIM21]. **Monte** [Mil20]. **Moore** [Hua21]. **Moreau** [Luc06]. **Morley** [She15]. **Mortar** [BBHM03, Rah11a]. **most** [PR93]. **motion** [AB98, HOW95, LD20, MSCB93, NT21, Poc14, QQX23, YX11, ZTZZ19]. **Motions** [DL04]. **Moulton** [MG11a]. **Moving** [QL12, YHQ19, AD22, AAD14, CD15, Che24, FSY23, Li97, SMN24]. **MP** [LH23]. **MPRK** [IKMS24]. **MR** [BRS92, CZ95, Tov98, XYZ14]. **MSSOR** [Zha15]. **MSSOR-based** [Zha15]. **MSTMAOR** [CKS16]. **Much** [GR01]. **Müller** [WT08]. **Multi** [ALJLYJ24, BC05a, LW16, LG17, AD22, ATC16, AH23, BD09, BD17a, Bhr16, BMR19b, CV22, DP21, Den14a, DLYH17, lDzS21, FMD23, GZL24, GPHAPR24, GLW16, HS15, JLZZ23, KT07, Li17, LSZW19, LWLT19, LKBF17, lLHNS23, LWZ23, MBJ17, NHP06, PV23, Saf10, Sal17, Sha97, SW19, SzS21, WK12, WW14, WK15, WK16, WK17, WLMA21, WWBM21, WHD22, WZC23, Wei17, WHS23, WCD21, YZ17, Zaf22, ZYW17]. **multi-center** [Saf10]. **multi-constrained** [PV23]. **multi-degree** [GLW16]. **multi-dimensional** [AD22, Bhr16, FMD23, GPHAPR24, HS15, LKBF17, lLHNS23, LWZ23, WWBM21, WHD22]. **multi-dimensions** [AH23].

multi-frequency [BMR19b, SW19, WW14, YZ17, ZYW17]. **multi-grid** [CV22]. **multi-order** [WCD21]. **Multi-parameter** [ALJLYJ24]. **multi-point** [BD17a, KT07, NHP06, WK12, WK15, WK16, WK17]. **Multi-resolution** [BC05a]. **Multi-step** [LW16, LG17, ATC16, BD09, Li17, MBJ17, Sha97, WHS23]. **multi-symplectic** [JLZZ23]. **multi-term** [DP21, lDzS21, GZL24, LSZW19, LWLT19, Sal17, SzS21, WLMA21, WZC23, Wei17]. **multi-time** [Zaf22]. **multi-valued** [Den14a, DLYH17]. **multibody** [Pog98, Sim98]. **Multicriteria** [SR04]. **multiderivative** [Sho18, SKTGR19]. **multidiagonalization** [KLSS14]. **Multidimensional** [VR04, AAH24, BGRS09, CL92, CCZ23, GZ11, MZW20, Ngo23, ST23, VPL97, WW14, YZ17]. **Multidomain** [CFK+20]. **Multiextremal** [MS01b]. **Multigrid** [Gás99, Jan03, PV98, vLV02, BH01, CL00, CC06, JK19, JH22, MClXzJe16, Not22, PV00, WL22a, XH20, XWX24, YZ11, ZY13a]. **Multigroup** [AG03]. **multilayer** [EHNR23]. **Multilevel** [CK05, HL02, HMT17, IL05, LW20, LJbL21, Meu02, Osw01, Spr01, UL18, Axe99, CZ96, LXQ15, MRS10]. **multilinear** [BHLZ21]. **multinomial** [ASVC21b]. **multiobjective** [ARSS19, EE18, MN22, MPB16]. **Multiparameter** [CC03]. **Multiple** [Boy05, BS14, EE18, HPS13, Rev03, AS10, BCM16, BCMT18, BRW11, BF14, BCM10, Buo17, CLaL00, zDYG18, DMD16, FHV15, GH10, GH09a, Gás99, Hey01, HE05, HCH18, HKCW24, KBCG13, KD18, LK20, LMMH11, LZ22a, PM05, PV00, RTTH22, RG10, SS12a, SHLY18, SS24b, SSH20, TKSG23, TT21, VSA12, WLL12, ZCT19, Zag24, ZCS14, ZJ23]. **multiple-precision** [Zag24]. **multiple-root** [LK20]. **multiple-sets** [Buo17, zDYG18]. **multiples** [Bea96]. **multiplex** [NR24a]. **multiplication** [OOOR12, Rum12, Ska13, SH17, Ter23]. **multiplications** [GLM15]. **Multiplicative** [MG11a, HL23a, HL23b, ÖRBB14, OB16, SDW24, WG13]. **multiplicity** [GHPMGRR14, LWG18, Tur94]. **Multiplier** [Kun01, GL15]. **multipliers** [LWZ18, RWTM21, ZZY18]. **multiply** [ZLH22]. **multipoint** [AG13, BD10, BGVHN96a, CCTV16, LDX23, WGK11]. **multipole** [DMC20, LX23, LX17]. **multiprecision** [BF00]. **multiprocessors** [AAIT94]. **multiprojection** [CE94]. **Multiquadric** [GZ18, SG23]. **Multirate** [NW19]. **Multiresolution** [ASS03, Rad08, ABT07, ALRT16, RR08, YL16, dCOS21]. **Multiscale** [CsL24, GZ20, AD00, CF05, LWN13, MM12]. **Multisearch** [TBC+23]. **multishift** [DG94]. **Multisplitting** [SME03, BMR97, Bai97b, BZ13, SX00, WRM17, XZP+20, ZZLV23]. **multistage** [JSZ22]. **Multistep** [CVA01, FHS12, Mor17, Yan95, ASHF21, CMR93, FH15, HCH18, Lóc18, Lóc20, MAH22, MJ18, Meh11, NB16]. **multiterm** [HV22]. **multithreaded** [Kub15]. **Multivalue** [KB02]. **multivalued** [ATT21, ATT22, IAH20]. **Multivariate** [ACO03, All03, AGRT05, BC00, BL04, CV92, FM16, GSZ22, GM92a, LWAG08, MG91, MG94, PW04, dB07a, dBGKR08, All18, AC94a, AC94b, BM94, BC06, BP23, CCS05, CLTA10, CY10, EAB20, EEM20, Gaj05, HKPW19, LMMD05, PV22a, PW14, Ste95, van93]. **Multiwavelet** [BP03].

multiwavelets [BCL00]. **Müntz** [Maz99, ROB18]. **my** [Gau07].

Naghdi [PJ22]. **nano** [FHAL15]. **nano-fluids** [FHAL15]. **Nash** [BK18a]. **NATO** [Ano93]. **Natural** [CDI14, CEK21, Tra93, ZZH15]. **Navier** [LN22, BRY14, BGR23a, BW13, BK18b, DZ22, DSS14, Hei06, HM18c, JY23, KM17, LD21, LBF24, PV98, PV00, PG05, Si12, Sla06, XM16, ZD18]. **Near** [BV21, ACM93, BDIR18, BRS91, BRS92, BZ94, CD99, CM96, DHS97, ME95]. **near-best** [BDIR18]. **near-breakdown** [BRS91, BRS92, BZ94, CM96]. **near-minimax** [ME95]. **Near-optimal** [BV21]. **nearby** [Gau13b]. **nearest** [HS16, Zhu15]. **Nearly** [Boy05, Ple12, KN21a, KN21b, SKK21]. **nearly-colliding** [KN21a, KN21b]. **Nearly-Singular** [Boy05]. **nearness** [LHZ10]. **Necessary** [Mat01]. **negative** [DGST15, IKMS24, KOK21, LV15, PLH20, XyJl16]. **negativity** [Zaf22]. **neighborhood** [KOK21, SMZMA18]. **neighbourhoods** [Len93]. **Nekrasov** [LDL17, GEP14, GEP16, LPGL16, LDL17, LYH$^+$20]. **Nelder** [Gal22]. **Nemes** [LM15]. **Nernst** [SSYL20]. **Nested** [ABQ04, DB98, BK08, CZ23, CL19, Wan22]. **Nesterov** [BG24, Khe12b]. **net** [CFR06]. **nets** [God15, Lai92]. **Network** [Cha04, NR24b, DMR20, Hof05]. **networks** [DMR21, EHNR23, FDFM23, LM00]. **Neumann** [SJW21, ACH19, CDG23, DBAE09, HGVPA92, Med10, MW16, OM18, SJW21, WZ19, XWX24]. **Neumann/Neumann** [SJW21]. **neural** [CZ20, Hof05, LM00, ZHY$^+$20]. **neurodynamic** [OL21]. **neutral** [MD21b]. **Neutralizing** [Gau13b]. **Neville** [CM92, GM92a, XZL12, dC20, dC22]. **Neville-like** [XZL12]. **Newman** [Odl00]. **Newton** [AG15, ATC16, ABKD23, And19b, AC11, AMM18, AH09, AH10, AH11b, AH13, AG17, AGS20, AG23b, BD09, BD06, BEQOR14, BCV03, BKM03, Bre03a, BKL10, CCV23, CCTV23, CCJ10, CKP19, CKP22, CWL16, CW19b, CPV04, CHMT10b, DWC18, DBH21, Dra02, FGJ00, GH10, GKL21, GN12, GH23a, Gon16, GS16b, GO20, GLdO09, GGS22, Gug96, Guo13, GLL19, GHPMGRR14, HVM15, Hey99, HFW$^+$21, IDAV09, INR01, JKM18, Khe16, KH20, KBA23, Kie23, LP08, LP12, LP13, LEK21, LG17, LG18, LLY22, LZ22a, LLL22, LYY12, LS07, LHL11, lLXhL22, MsC20, MBJ17, MA16, MPR24, MR09, MG91, Par16, PC13, PL04, Rev03, SSS14, SSS21, Seg98, SW24a, SGS13, SSK23, Śmi06, Śmi09, Śmi13, Sol15, SSSS22, Ste20, SGK$^+$99, SZX11, TF00, TO21, VPA24, WCLW16, WC13, WZZ15]. **Newton** [XLW20, XL24, Yak95, ZH22, ZWXX24, ZYBJ23, ZCG15, ZCS14, ZPX21, dC20]. **Newton-iterative** [SZX11]. **Newton-Like** [CPV04, AG17, BD09, CCV23, GLdO09, Guo13, MA16, SSS14]. **Newton-type** [AH09, CCTV23, HVM15, MsC20, SSS21, Sol15, XL24]. **Next** [NKS04]. **NI** [ZLG$^+$13]. **Nicolson** [LWJ21, LBF24, LW22, MS24a, QQX23, TL24, Wan19]. **Nicolson-type** [Wan19]. **Nicolson-weighted-shifted** [LWJ21]. **Ninomiya** [HHHN07]. **Nitsche** [BBB22, ZZ23]. **no** [BRS92, CZ95, CP95b, Tov98]. **Noda** [CVLX19]. **Nodal** [AG03, AB06, BK13, Sch14]. **Node** [dABR01, DMR21].

Node-Weight [dABR01]. **node-weighted** [DMR21]. **nodes** [Ber11, BSL18, Car10, KRS19, KN21b, Plo93, Pre93, SH12, SH23, KN21a]. **Noise** [BPV13, MRS10, AK16, BB14b, CHH93, HY21, HFW+21, HSY23, JHLL15, KLL10, LZ22b, MKBY19, NK16, Prz16, SBJC19, VH12, WG13, WHZ+18, WC24, XT16]. **Noise-reducing** [MRS10]. **noises** [DMYT23]. **noisy** [GZ18, KP16, LGP11, MJF09, Ros97, YCW+19]. **Non** [AM98b, BR07b, BE03, DEC24, KS12, Sal94, ZR17, ARTY20, AV19, AHVR17, AAD14, Ave20, BBBC20, BBBC23, BM22, BGS24a, BF17, BC17, CM16, CMWP20, CW17, DL08, DLR12, DHF21, DGST15, Dze15, El 18, tFZyZ16, FHAL15, FP18, GWW15, GHM24, Van17, GS21, GZ11, HV22, HVYMS23, HLC15, IKMS24, Jay21, KM24b, Kaz24, KL22, KGMH21, KGN+24, Lam09, LV15, LLY22, LPRÁ24, LN10, lLHNS23, Lin16, LCW21, MH21, ML22, MV14, MM12, MS23a, MT15, Moh10, MMLM20, NSM20, NNCN23, PLH20, PG15, RF23, RTD+21, ST22, ST23, SB21, Śmi06, Tan17, TSI20, Tru24, VB91, Wan24, WB17, XZZ19b, XCY21, XH21, YHQ19, YBK+21, YJX15, Zaf22, ZW12a, dS00]. **non-analytic** [Van17]. **non-autonomous** [Jay21]. **Non-commutative** [Sal94, YBK+21]. **non-compact** [CMWP20]. **non-convex** [BBBC23, El 18, GWW15, LCW21]. **non-convexity** [BBBC20]. **non-Darcian** [CW17]. **non-differentiable** [AHVR17, HVYMS23]. **non-disjoint** [GHM24]. **non-equilibrium** [YHQ19]. **non-Fickian** [RF23]. **non-global** [IKMS24]. **non-globally** [KL22]. **non-Hermitian** [CM16, tFZyZ16, LN10, PG15, Tan17]. **Non-incremental** [BE03]. **non-interior** [Lin16]. **non-iterative** [XCY21]. **non-linear** [BGS24a, DL08, Dze15, Kaz24, KGN+24, LLY22, Moh10, MMLM20, NNCN23, PLH20, WB17, YJX15]. **non-Lipschitz** [AV19, HLC15, RTD+21, TSI20, Wan24]. **non-Lipschitzian** [DHF21]. **non-local** [MV14, ZW12a]. **non-matching** [LPRÁ24]. **non-monotone** [GS21, GZ11]. **non-negative** [DGST15, LV15, PLH20]. **non-negativity** [Zaf22]. **non-normal** [MT15, ST23]. **non-oscillatory** [ARTY20]. **non-overlapping** [SB21]. **non-parameter** [XZZ19b]. **non-perfect** [VB91]. **Non-polynomial** [KS12, ZR17, BC17]. **non-rectangular** [AAD14, BF17]. **non-separable** [MM12]. **non-similarity** [FHAL15]. **non-singular** [NSM20]. **non-smooth** [HV22, KM24b, Lam09, MH21, ML22, MMLM20, Śmi06, Tru24]. **Non-stationary** [DEC24, XH21]. **Non-stiff** [AM98b, BM22]. **non-symmetric** [FP18, lLHNS23]. **Non-uniform** [BR07b, Ave20, DLR12, MS23a]. **non-uniformly** [dS00]. **nonabelian** [VW08]. **Nonautonomous** [KS97]. **nonclassical** [Die08]. **nonconforming** [GG22, KP22, LN22, XSL22]. **nonconvex** [ALV20, BMR21, BE20, GZD24, Liu14, LX24, LPXX19, MN23c, PW22, PDS+23, SLL22, mTLbJlL14, WL24, You16, YWS20, YYZ22, YLL22, YZLC24]. **nondecreasing** [Don12]. **nondegeneracy** [HBP13]. **nondense** [AR99]. **Nondifferentiable** [MS01b, Śmi09]. **nondiscrete** [AH12]. **nonequidistant** [PKR20]. **nonequispaced** [Ave20, KPT23, PPV09]. **nonexpansive**

[CSI16, CSI17, CRN19, Den14b, GEA20, HMA16, IAH20, KAF18a, MWsC19, PKC18, PDRG19, RZ16, SKK21, SIO20, SCS18, VA20, YAT20].
nonexpansive-type [CRN19]. **nonhomogeneous** [BKF20]. **nonintegrable** [Ben99a]. **Nonlinear**
[AD00, Ber10, BKM03, BE03, CGL01, DOS03b, EHV19, Gra03, HL03, KV04, KW04, Kol04a, Kol04b, PL04, SME03, TRRD02, WHL24, WK93, ZY13a, Zil01, ALQ17, AAFL23, AAM24, AK19, AIA$^+$24, ATC16, AAB13, ALRT16, AKB15, ABK22, AC11, Arg10, AGS20, AG23b, AAD14, ACH17, ACH19, AKKT16, AKQ17, Awa10, AB23, Bac18, Bac20, Bac21, Bac23, BDN17, BMR97, Bai97a, Bai97b, BGR23b, BDV18, BC14, Bel99, BF18, BI00, Bhr16, BV99, Bog13, BZ24, BKL10, BRMG18, CCTV23, CCJ10, CC06, CGV22, CL06, CLT$^+$13, CW19b, CL10b, CH11, CC13, Che19, CN17, CNR15, CHMT10a, CLBT15, CRHTV24, DS21, DW12, DWC18, DD20, DD21, DSI11, Das19, DMA09, DMA19, DBH21, Den14a, DW21, DW22, DEM93, Don13, DXY18, Dzu13, Eft15a, Eft15b, EL01, EGGSH13]. **nonlinear**
[FY13, Fan22, FZLL23, Faz23, GA15, Gal18, GM06, Gar19, Gar24, Ghe15, GO20, GLdO09, GPAA14, Van17, GZ11, GZP18, Gu20, GLS$^+$18, Hai09, HJB18, HT23, HV15, HKE97, HZ95, HSTW14, Hey99, HST15, HM18a, HYJ20, HFW$^+$21, IAAH24, IZ24, JKNR13, JKM18, JLFL19, JWL20, JYLC21, JSZ22, JZ16, KKB16, KCBT21, KT07, KSB08, KLF17, KE16, Kub15, KB20, La 17, Le 92, LW95, LMMH11, LS15a, LY17, LHW17, LG17, LG18, LHM20, LZ21, LWLW24, LJ11, LKBF17, LZ16b, LZ09, LYL15, LF19, LDL$^+$19, LLC20, LSY$^+$23, LWZ23, LCZZ23, LCGH23, LZZ24, LA22b, lLXhL22, LV18, LV21, MJJ$^+$23, MD21a, MBJ17, Man21, MK98, Md12, MM12, MG21, MA22, MG11b, MP13, MLM19, MS13, MH22, NBK17, ND21, NHP06, NEMS14, OQ12, OL23, PV23, PED15, PSZ23, PLZ$^+$24, PS16, Pie96, QLZX11, QZG$^+$19].
nonlinear [QXGZ20, RSKB17, RGJ10, RM11, RT12, RR98, RR00, RM13, RG10, SPV20, SS11a, SFMK23, SW24a, SGS13, SA14, SY20, Shi96, SW19, SCDM20, SZ23, Sid20b, SSK23, SS24c, Śmi09, SS16, Sol11, SG18, SHGL22, SX00, USAF14, Van19, VSA12, WG13, WH15, WZ15a, WZQT15, WCLW16, WGZ18a, WZ19, WWBM21, WLZ22, WSLL24, WQZH24, WHS20, WZ22b, WLY$^+$21, WC10, WWD$^+$12, WC13, WZ23b, XLW20, XWX24, YIY22, YYL15, YH21, YZ21, YJ21, YJJ$^+$21, YP09, ZR17, ZA20, Zha09, ZLG$^+$13, ZHT15, ZJWF18, Zha20, ZY21a, ZHFW21, ZYW23, ZWXX24, ZW20, ZCG15, ZYW22, ZJ23, ZLS24, ZLLC11, ZTZZ19]. **nonlinearities** [JU22]. **nonlinearity** [Liu21, MP22, ZQzS22]. **nonlinearly** [KLT95]. **Nonlocal** [TDKB24, BSF17, HKCW24, KK22a, LZ09, ZS13]. **Nonmonotone** [ABKD23, CC13, FGBP21, GPP01a, KJ15, AA12a, AAN14, BKR18, BKA19, DHF21, DMT22, HWC15, LLL18, LM13, PZ20, SW11, Ye22, ZLLC11]. **Nonnegative** [DLC14, WD95, ANI15, ANI$^+$17, DLDW21, GLL19, HNY$^+$18, KLW$^+$23, LP08, LP12, LP13, MVG21, NK21, SXHZ20, wYN18, ZYBJ23]. **nonnegativity** [BHLZ21, BPR21]. **nonnormal** [AC94b]. **nonoverlapping** [ETY98, WRM17]. **nonpositivity** [Hua18]. **nonrelativistic** [CZ23, MY22]. **nonresonance** [ACE99]. **nonsingular** [BHLZ21, FS23, HWXC19].

Nonsingularity [HBP13, Kol06]. **nonsmooth** [BGRS12, DEM94, GZD24, KJO23, LX24, MAS17, MC08, MN22, MN23c, PW22, PDS+23, PSS22, SW24a, Śmi13, SG17, mTLbJlL14, VPA24, WL24, You16, ZXL23]. **nonstandard** [CMP22, Gau09d, HSL19, PV00]. **Nonstationary** [Cha04, SKSS21, BCJ24, Cic20, Don12, HRY16, LD21, WQ23]. **Nonsymmetric** [BEGG91, AAPR21, AL09, BBS20, BC94, BEJ20, BRZ98, CS94, Cdv98, Don10, DBGB11, Ess98, GW24, HWXC17, HWXC18, LZ15, Sad99, Sch17, TT21, YWX14]. **Nontensorial** [SVZ08]. **Nonuniform** [KPT23, PS01, LCZZ23]. **nonuniformly** [dBD05]. **Nordsieck** [BCJ97, BJ02, BO02, CJ12]. **Norm** [BM94, ASW06, AS08, BGS24a, CYM22, Coo09, FHC21, HYW20, HM18b, LEK21, LPGL16, LZlL20, LCH20, LRL22, LZX22, LI10, MS24a, Meu97, Meu99, Meu05, MT13, MT14, MT19, MT23, Not12, OIM21, PT24, Szy06, TLD+23, WC23, ZFZ19, ZZY24, dAFPR23]. **Normal** [CD99, Che01, CD96, FLV14, MT15, MZ99, MK97, ST23]. **normalized** [YCW+19]. **norms** [Bea96, CMMP19, MT15, PT24, RS21, TM20, Wat92, Wat93, Wat94]. **Note** [CVA01, LYH+20, ASV23, And22, Cao12, CC15, DM14, FHH96, HLC15, Huc92, Iva15, KW96, LB93, LZ19b, MVV05b, Nie93, OdZdRV13, PGGCGF11, PRVI20, Pol10, Sab92b, Spa07, Spa20, VGV06, ZJ14]. **notes** [All08a]. **notion** [GS16a]. **Novel** [ALB+18, GS16a, LWLT19, Liu21, SSN+12, TDKB24, TRSI23, ALQ17, BX19, CLA11, DM98a, GPAA14, Hal14, KN23, KE16, LKQ23, MKG24, REM21, RR22, SA14, SDL+23, TCOA19, TCW14, WLMA21, XW17, YJX15, YXL18]. **NPTool** [LP13]. **NSS** [DWC18]. **NT** [Khe17]. **nuclear** [ZFZ19]. **null** [KMA13, RT20, ST22, Tak17, TM10, THT19]. **null-space** [ST22]. **Nullspaces** [Ver24]. **number** [Ber11, BGL07, Dea15, DBV23, DM92, KN21a, KN21b, LBF24, MDR23, XCLA15, YZH21]. **numbers** [CL11, DL97, DP16, Kal00, LJ22, MZW20, ZW22, ZLWQ09]. **Numer** [BRS92, CZ95, CP95b, Gau11b, Tov98]. **numeralgo** [RZ99b]. **numerator** [PP92]. **numeric** [EAB20, Mil17, MCMX20]. **Numerical** [AHP20, AA03, ALW98, AAH20, ADG10, AR13, AK16, BK97, Bin96, BV99, BBB+06, BV96, Bre99b, BH02, CE17, Car01, Car95, CGN03, CLTA10, CLT+13, CC16b, CC18, Coo03, CCK04, DWZ14, DV01, DL03, DVJBN03, DKL15, DW97, DLLD17, DLDW21, FWC16, FH15, FRS21, Gau12a, GNS22, GG98, GH09b, GHM23, GHM24, GST02, GO21, HJ18a, HT23, HCL21, HNSH09, Hof05, HS15, HFZ19, Hua21, ICR06, Ixa21, JP14, JS21, JL16, JLX22, Kam15, KGH14, KSCS07, KZ03, LZ12, LD20, Lyn08, Maj13, Mat04, MJF09, MN23b, Meu99, Mic23, Mok16, MO04, NW04, NLT21, PP05, PED15, POP17, PL04, PS20, Pis16, PS01, PS17, PV03, Rab23, RS20, RR20, SST92, SER02, Sch02, SLA11, SLLA15, SY20, SS08, Smi97, SZ21, TA24, TE03, TDKB24, Tem97, TBY13, Tom11]. **Numerical** [USAF14, Vig04, WYZ22, WHL24, WZS14, YLYZ23, ZM94, ZWWW20, ZJ08, ZLT+17, ZYJY22, aZ19b, ZKD02, ZKD04, AAP24, ALB+18, AG15, AZ19a, ASS13, AA15, ADA07, ABI20, Ant18, AH18, AAD14, BPR22, BS17, BV93, BCM19, Bel99, BT14,

BCM07, Bic11, BC05b, BZS22, BR17, Bra07, BMR19b, Bru93, BBL22b, But10, CWZ13, CHYZ98, CM98, CM15, CC07, CP95a, CKS24, Che19, Cho17, CPN14, DS21, DDS93, Dam08, DD21, DM98a, DM98b, DS09b, DTI09, Des17, DH18, DL97, Die08, DW15c, Dra00, EG10, Eba18, FHL21, FT05a, FS01, GZ18, GMZ19, Gar24, Gau95, Gau08a, Gau13b, GL12, Ghe18, GK20, God15, GPAA14, GO06, GL19, HH11, Hal14, Han96, HV15, HCBAEC23, HLTA16, HL17, ITA24, IJE15, IJSS16, JLP20, JXX+23, KS18a, KN23, KM24a, KL17]. **numerical** [KS20, KKO17, KM09, Kuh13, KK12, KK16, KK17, LLZ18, LHZ20a, Lin16, Lin98, LA22b, Luc06, LG95, LV21, MN23a, Mal21, MKBY19, Man10, MS23a, MFPG07, MB06, Mel10, MWZL23, MZ19, MNS23, MR96, MN11, NS24, Ngo23, OQ12, OKP21, PSS10, Pen98, PV98, PV00, Rab92a, RC14, RGJ10, RMT13, RhG15, Riz18, RB17, RR22, SAC18, Sal05, SHF15, SW14, SDL+23, SS15, Sho18, SKTGR19, SR22, SS12b, SYLT14, SZ20, TS18a, Tov97, Tov98, Uhl09, VC92, VH92, VT10, VN18, WXQ20, WCHK21, WSZ21, WWBM21, WZ23a, WF23, XCY21, XLG22, YM24, YYLX23, YJX15, Zaf22, ZuI19, ZYX19, Zha24, ZXL23, ZE10, dC16a, dC16b, Gau13a]. **Numerically** [Ver10, DGST15, MD21a]. **numerics** [BHH24]. **Numerov** [JSF13, Moh10, MK17, SFT03]. **Numerov-Type** [SFT03]. **NURBS** [CLaL00, KGD03]. **Nyström** [AMCM06, CQLY15, Con93, DDP14, DL18, Jat15, LG19, Mon96, PFT98, SQG13, Som05].

Object [NPP04, CV92, OBAHK+19]. **Object-Oriented** [NPP04, OBAHK+19]. **objective** [PLVB11]. **objectives** [Hua96]. **oblique** [HR05, SEG14, Szy06, Tru24]. **Obrechkoff** [VV07a, VV07b, KS20, SS15]. **Obreshkov** [Cor24]. **observations** [GP14]. **obstacle** [DIM22, PS20, ZWX19, ZW20]. **obstacle-avoidance** [DIM22]. **obtain** [AGS08, GPAA14]. **obtaining** [WLL12]. **Octave** [CDSV11, MBR21]. **ODE** [ABI20, Cor02, Cor24, Enr02, EY10, FGM19, KLT95, KPR03, MM99, MT04, MN92, gOM14, PLVB11, ST92, SGK+99]. **ODE-based** [FGM19, KLT95, gOM14]. **ODE-IVP-PACK** [SGK+99]. **ODEs** [AH21, AAP24, ATM19, AK16, BM22, BP22, CE17, EH97b, Meh11, NB16, WZ23a, WWM21, AHKW04, AHKW05, BV09, MC08]. **Off** [BO02, MVG21, AMM17, EY10, KL17]. **Off-diagonal** [MVG21]. **Off-Step** [BO02]. **Ohta** [LZL20]. **Old** [Nie00, RR13, BRZ96]. **Oldroyd** [WSY12]. **Ollongren** [Ben99a]. **once** [GZL24, HFDSC24, PQS22]. **One** [Boy05, KS06, Arg09, BX17, BP19, BZS22, Bra07, CLA11, CK22, CCD10, CJ20, DS09b, DHS09, hGzS17, GO06, HR07, Iid24, KKPT16, KNBGV18, KMS05, LXX23, Lie00, Lin05, MM08a, Mat15, MZW20, Nat07, OL21, Ros97, TS92, Ter22, WW19, WZ19, ZLW+13]. **one-block** [BP19]. **One-Dimensional** [Boy05, BX17, BZS22, Bra07, CLA11, CK22, CCD10, CJ20, DS09b, hGzS17, KKPT16, Lie00, Lin05, Nat07, Ter22, ZLW+13]. **One-leg** [KS06]. **one-measurement** [LXX23]. **one-point** [HR07]. **one-stage** [WW19]. **one-step** [KNBGV18]. **online** [HFW+21]. **OPED** [XTH07]. **open** [BPV13, Xue95]. **Operational**

[KMH24, JBJB17, ROB17, ROB18, REM21]. **Operator** [FMD23, MDL15, TRRD02, Ahu09, AG19, AB23, AK09, BGR23b, BVV14, CT06, Dah93, Fue07, GNS22, HS12, KK22a, LX24, ML10, Pla99, PS17, SSS14, TCOA19, ZWWW20]. **Operator-splitting** [FMD23]. **Operators** [All03, BG03a, BS04, DV01, Fun01, GPS01, INR01, LPV03, AA16a, AR16, AR20, AM21, AR99, AV19, AT19, AUD18, AHVR17, AKT15, BDIR18, BvLP16, BG13, Den14b, ER19, GNS22, GTA19, IR13, KADE18, KGMH21, LW95, LQ16, LJbL21, LMMD05, LG95, Mah10, Maz09a, Mic93, MP14, MP13, MRS07, MAK20, PKC19, SPV20, SI18, Tam10, THS20, VdR13]. **optical** [Wan15a]. **optics** [Kar07]. **optima** [KAL22]. **Optimal** [AN17, Amo02, AC19, BD03, BD04a, BCN+16, BHS23, CKP19, CHYH24, Che19, CKM19, DJM+18, FY13, GWBC20, HWCR19, Lóc20, MV14, Mar04b, Mat01, Mic93, NT21, Plo94, Prz16, SFS23, Sid07, Van19, XSL22, AJ13, AHR21, ALZ20, Bac21, BL23, BVV14, BCM16, BCMT18, Ber93, BM00, BFK22, Bla15, BV21, BHS17, CB16, CT93, CN16, CMMP19, CKKT16, CRHTV24, DL21, DTI09, Ehr97, EDAH12, Fab16, FZ07, GA20, HW00, HMS11, KP16, KS14, Kno23, LK20, LWZ18, LZL20, LAN18, LCH20, LW17, LL18, LP20, LW22, LZ23c, LCZZ23, Lóc18, LSSS15, MB06, NEMS14, NAA19, OMW21, OAR22, hPwL09, PS22, Ple12, QAS+24, Ria16, SS24a, SLT20, SS24b, SR24, TQY21, TS18b, Van07, Ver10, VS19, WZ22a, WZS14, WZ23b, YJ21, YF22, ZCT19, ZZZ20, ZZ18, ZLCW23]. **optimality** [GEP19, XP23]. **optimised** [GL15]. **Optimization** [CG13, Cse04, LPV03, MCG+04, MS02, NM14, SR04, SMB02, VR04, ZS03, AG23a, AA12a, AN17, AAN14, ARSS19, And06, And08, And10, And14b, And15, And18a, And19b, And22, ABM10, AE18, AFN16, AFN17, BBBC20, BBBC23, BGRS09, BGS24b, BMR21, BM24a, BE20, BN18, CWZ13, CW21a, CKS24, CGYZ19, CS24, CR23, CPN14, DW15a, DW15b, DBH21, DEM94, El 18, EE18, GL12, GWL20, HHF22, HWC15, HLC15, HFW+21, IS22, JR20, JZ16, Khe12a, KOK21, KC24, KJO23, LZ18a, LLL18, LGW14, LS07, LM13, LL18, LPXX19, MAS17, MR09, Md12, MS20b, MN22, MN23c, MPB16, Orb15, gOM14, ODL21, Pea13, PSZ23, PYD23, PH14, PLVB11, PSS22, Rha22, Rog95, SL18, SMZMA18, SS06, SDMMK18, SLL23, Tan20, mTLbJlL14, TTXZ23, TYSY20, TD09, USM24, WJW14, WZ16]. **optimization** [WYP23, Wan24, XP23, YIY22, YCL17, You16, YZLC24, YY13, ZQL+19, ZWG18, ZFZ19, ZLL21b, ZDSY20, ZPX21, Ano95c]. **Optimizations** [DMC20]. **Optimized** [GD15a, CK22, DL09, LS14, RKMS16, RR20]. **optimum** [DHS97, ZQL+19]. **option** [AWL+24, Che22, Che24, CCLi16, KMV17, ZLT+17, ZZ22b]. **options** [CL10a, CDLW21, KN23]. **orbital** [FR18]. **Orbits** [CCTV16, SER02, DFK97, LZ12, MO10]. **Order** [AG03, BM03, Che02, CJ04, DDP14, FG03b, Fun01, MV02, McL02, PW04, SFT03, YZY+14, AD17, ABS19, AH23, AK12, AR13, AHC05, AMA21, AABM08, AC17, AAII96, ABI22, ACE99, AMM16, ACSD16, Arg09, Arn97, AGG17, AKT15, AKQ17, BD10, Bac21, Bac23, BDL+12, BJ98, BM22,

BCM16, BCMT18, BKF20, Bia12, BK13, BW15, Bic24, BC05b, Bla15, BWC22, BR17, Bou17, Bra07, BV09, BGZ20, But98, BD98, BC99, BCJ99, BC01a, BI14, Cat24a, Cat24b, CEX14, CHH$^+$20, CLT$^+$13, CW14, CQLY15, CC16b, Che22, CS22, CLPY23, CN16, CN17, CGL99, CJ17, Col92, CVX16, CHMT10a, CKKT16, CRHTV24, Cor24, Cui13, VV07a, VV07b, DHJJ10, DBTG24, DD20, DD21, DMA09, DZ13, DW97, DB06, DK00, lDzS21, DZH23, DGP15, EH97b, EM07, FAMA20, FHL21, FT14]. **order** [FGL19, FGR01, FR18, GB21, GH09a, GM20, GLLJ12, hGzS17, GZ20, Gau00, Gau09a, God15, HH11, Hai08, Hai09, HP18a, He16, Hea10, HDP18, HV22, HHLM23, HCBAEC23, HKKN12, HMS96, HLTA16, HWZ24, HZX20, Jai16, Jai17, JL12, Jay21, JZF$^+$20, JWZ23, JHLL15, JWCZ21, KSV23, KCBT21, KNBGV18, KM24a, Kaz24, KD14, KMZ18, KLF17, KS20, KS12, KGH14, KADE18, KMV17, KM19, KL06, KLZV95, KKA17, KK17, LK20, LGL23, LMMH11, LW13, LW16, LR18, LRL19, LHR20, LHZ$^+$21, LlLZ21, LZOY22, LKQ23, LZM23, LPRÁ24, LM14, lLLVZ17, LWJ21, jLyLqW17, LWS18, LDL$^+$19, LW22, LWZ23, LZ23c, LZZ24, Loh22, LA22b, LSSS15, LRM16, LXP20, LV18, ME92, MVVA08, MS23a, Meh11, MS06, MWZL23, MClXzJe16, Miy24, Mok16, MS13, MWWY13, Mül00, NBK17, NP18, NRV23, Ngo23, OKB23, PKR20, PQS22, Pan18, PG12, PM05, PMM11]. **order** [PP92, ROB18, RKMS16, RSKB17, RF23, RGJ10, REM21, RWB09, RS97, RRZ21, RR22, SS11a, SFMK23, Sas93, Sat24a, Sat24b, SAE19, ST17, SS10, SGS13, SA14, SQG13, She15, SW19, SS15, Sho18, Si12, SSK23, SS24b, SYLT14, SR24, Sti18, SZ20, SzS21, SZQS23, SG23, TA24, TX19, Tem08, TY21, Ver14, VTV22, VLCL16, Vul97, WGK11, WKG11, WZ13b, WK13, WZQT15, WHZ$^+$18, WWBM21, Wan22, WQ23, WSLL24, WZZQ24, WHL24, WQZH24, WC24, WLY$^+$21, Wri01, WWM21, WCD21, XT16, XYZ14, XZZ22, Xu19, XH21, YZZL17, YZLZ22, YYL15, YCW$^+$19, ZCT19, ZE12, ZYW17, ZWFY19, ZP17, ZYX19, ZHFW21, ZYQ$^+$21, ZF22, ZYW23, Zha24, ZQS24, ZXLF15, ZG12a, ZG12b, ZLS24, vdHM98]. **ordering** [CKP22, Cia94, DF94]. **Orderings** [GGV02]. **orders** [DGST15, EGSHVN15, KFK$^+$24, van93]. **Ordinary** [AKKW03, But02c, BH02, DL03, DOS03b, ED05, BJ98, BWB24, But10, CQLY15, DJ10, DFJP10, Dze15, EG10, JT96, KL17, KMV17, KS06, MAH22, Mil19, RSKB17, Tem08, Tuo98, WCHK21, WYZ22, WK93, Wri01]. **orientation** [CV92]. **Oriented** [NPP04, CL96b, NK21, OBAHK$^+$19]. **Orthogonal** [Amo02, BBR03, BD20, BGVHN92d, BGVHN96b, But96, DFP$^+$10, Dra02, Fas23, FT02, GM21, GM22, GR01, LW04, MRS93, MRS07, Rec01, Ron08, APPR14, ÁFP07, BMA16, BDJ11, Bec96, BC00, Bia94, BF17, BLS92, BEGG91, BHJTM92, BP23, BZ91, VVV22, BGVHN92a, BGVHN92b, BV95, CGM12, CMR16, CCL16, CCHH23, CJTW96, CBGVN07, DM14, Dra96, DM97, DHM12, DGP15, Erb15, FLT09, FPP05, FMD18, FHV15, Gau09d, Gau13c, Gau15, Gau17b, Gau22, GCGVH92, Han96, HG93, HZ93, HSL19, KG23, LGA$^+$00, LWAG08, LCVL18, LCW23, LI10, MS92, Mar92, MdR08, MM08a, MdR13, Mil17, MD15, MA95, NØ96, Pas08, Ron92b, Sad05, SS23a, Tou98, VC10, VZ93, Wal06, Wim99, BV96]. **Orthogonality**

[Van02, BCM10, CYIB12, FGBP21, dR99]. **ORTHOMIN** [AZMJ04]. **orthonormal** [Caç10]. **orthonormalization** [ZD15]. **Oscillating** [SFT03, EO94, NJ13, Sho18, SKTGR19]. **Oscillation** [Cai22, WWM21, GLLJ12]. **oscillation-free** [GLLJ12]. **Oscillation-preserving** [Cai22, WWM21]. **oscillator** [CZLS18]. **oscillators** [DS21, MKBY19, YZ17]. **oscillatory** [ARTY20, BMR19b, Cai22, FYM14, FT24, FR18, HS96, HS15, KXXW21, Kel07, KS20, KHM20, LW13, LW14, Li17, LDW18, LG19, LWS18, Maj13, Maj18, NBJA17, Pen98, SW19, Vep08, WW14, Wan22, WWM21, XX16, XLG22, YZY$^+$14, ZuI19, ZYW17, ZH17, ZH23]. **Oseen** [DZS21, Far20]. **Ostrowski** [Eft15a, Eft15b, SS10]. **other** [DHS09, GN12, Kal00, SvF94]. **outer** [HL23a, MGL20]. **outliers** [AL18]. **output** [RTTH22, SAE19, TKSG23]. **over-relaxation** [DLL$^+$24]. **overcoming** [DF01]. **overdetermined** [DEM93, Gon16, dAFPR23]. **overlapping** [Cal20, Hei06, LZ22b, SB21, ZJ14]. **Overloading** [TRRD02]. **overrelaxation** [HT16, Nie93]. **overspecification** [DS09a]. **overview** [AGRT05, Mon01, RR08, dBGKR08].

P [SKTGR19, VV07a, VV07b, FGR01]. **P-stable** [SKTGR19, VV07a, VV07b, FGR01]. **Pack** [FH05, SGK$^+$99]. **Package** [Sha02, CDF99, CFR19, DCM$^+$13, DCMM13, DdAF$^+$20, GHN19, Han94, LLZ18]. **Packing** [Mar04b]. **Padé** [VB92, ACO03, AH17, AHM21, ABV23, BL92, BBPV12, BC00, Bou03, BM96, Bre99a, BGVHN96a, BM23, But96, But02a, CL92, CAB22, CJTW96, DM97, Dra02, DF01, Ema96, EKM03, GCGVH92, GCGF03, GMT92, GM03, KL94, KC23, MC05b, MC05c, Mat96, MN01, PGGC97, PP92, PV99, Sab03, Sab14, TBA94, VB91, Van92, dDL92]. **Padé-based** [DF01]. **Padé-Rayleigh** [Ema96]. **Padé-Type** [ACO03, Bre99a, BGVHN96a, Mat96, PP92, Sab14, Van92]. **Padua** [CDSV11]. **Padua2DM** [CDSV11]. **PageRank** [GLC22, TLD22, WHS23]. **pair** [DGST15, HJ21, KP96a, RSKB17]. **Pairs** [MV02, Har18, KFK$^+$24, KN21a, KN21b, MPC12, SQG13, ST21, Ver10, Ver14, Ver24, ĐK15, dS24]. **Pál** [MP08, dBD05]. **Pál-type** [MP08, dBD05]. **palindromic** [GN12, KSW09]. **Panel** [ADL05]. **pantograph** [EED19, GL19, ROB18, YH21]. **paper** [ZW15]. **Para** [BHJTM92, CMR16]. **Para-orthogonal** [BHJTM92, CMR16]. **Parabolic** [BBHM03, LJW17, AAII96, AHC13, BPR22, Bog13, BSF17, CCD10, CJ17, CG19, CJ20, DS09a, GPHHAPR18, HKE97, HZX20, JZYY23, KM24a, KMV17, KLL10, LAN18, LSW16, LZ23c, MM23, Moh10, MN11, PLZ$^+$24, RBN14, Ria16, SS24a, SKP20, SN22, SR24, TY21, YM24, ZYW22, ZS13]. **parabolic-ordinary** [KMV17]. **Parallel** [AC11, Bai97b, Bos21, CL00, CTS09, CB00, Fab16, GH09c, GHP$^+$00, HHST19, HPS97, HMA16, IM02, KD18, LS03a, NAR05a, SW10a, ST99, SME03, TBC$^+$23, Tir02, ZYGQ17, AL97, AAII96, AT12, BW13, BM12, Ber14, BF99a, BD00, CDW95, Con93, CK06, DEC24, DM21, DZS21, DEM93,

DZ19, DZ21, DZ22, DMW23, Dum13, DDRT97, EG19, GL12, HD18, JCF15, Lee94, LD21, LKKM15, MC05a, MHR23, MDR23, SKA23, SW10b, SSN+12, Tai92, Wan15a, WD23, WDL23, WRM17, XWX24, ZD18]. **Parallelism** [KPT03, vSv94, ST92]. **Parallelization** [MMW20]. **Parameter** [AWL+24, BS17, DVJBN03, KK12, LP20, MS02, OQ12, AJ13, ALJLYJ24, AABM17, ADA07, BK16a, BKA19, BG11, BG91a, CCL18, CPZ14, CHYH24, Cou15a, Cou15b, CCLi16, Dzu13, FJT94, GJV17, GO06, HT21, HWCR19, Hua20, LWLT19, LKK21, MP14, Moo07, NAA19, RR13, SS21, TBY13, Uhl22a, Uhl22b, WC10, XZZ19b, YM24, YWWR12, YHS18, ZG09, ZWY22, dFO11]. **Parameter-robust** [KK12, LP20, YM24]. **Parameter-uniform** [OQ12, ADA07, GO06]. **Parameterization** [Flo03]. **Parameterized** [YLY12, ATC16, AA09, CC15, DP16, DYW16, KK17, LM17a, LM19, WZZ15, YDWL15, YYD14]. **Parameters** [SMB02, Alt21, BKS13, BV21, BL95, CHK14, DPP19, DPP22, Don12, DJM08, FZ07, IKMS24, LMM97, MK98, MN23b, Plo94, ZL22b, ZXLF15]. **Parametric** [DMD16, Góm01, LM01, Pop04, CLaL00, CLBT15, Góm99, HMdÁES08, JK18, KS18b, LSG15, Pop15, Pop18b, Pop21, SH21a, ZS19]. **parametrised** [CKO24]. **parametrization** [MB06]. **parametrized** [DF94]. **Parareal** [GKRS22, FT24, NG23, SJ14, SJW21, SWJ24]. **paraunitary** [Tur94]. **Pareto** [PLVB11]. **ParNes** [GLW13]. **Part** [ABQ04, DMRT03, MS01b, DS15, IJ19, LPP21, AHKW04, AHKW05, HM22a, HM22b, MC05b, MC05c]. **Partial** [AAAS03, ABM10, LHL11, LJW17, PV99, TRRD02, vLV02, AP21, BT14, BD17b, BK13, Bre99b, Che16b, CDLW21, Che22, CCD10, EG18, FGJ00, HZ20, JL21, JM18a, KW00, LLAL21, LG95, MN23a, MR96, Nor00, PP21, SG23, TY21, TN10, VC00, WG13, WL00, ZWLZ24, aZ19b]. **partial-differential** [TN10]. **Participants** [Ano03b, Ano04d, Ano98d, Ano99e]. **particles** [ZLQT19]. **Particular** [GPP01b, Zag92, GS95]. **partition** [DZ19, DZ22, MS23c]. **partitioned** [DBTG24, Jay21, WQ23, ZSF18]. **partitioning** [CL96b, JCF15, ZCGS24]. **partitionings** [DDRT97]. **Partitions** [PS01, BF17]. **parts** [CW08]. **Pastur** [GM21]. **PAT** [MP02]. **Patankar** [KM19]. **Patch** [MW24]. **patches** [HvD93, PN93, Str93]. **Path** [MP02, BHS11, DIM22, NR24b, WZ16]. **Path-Following** [MP02]. **Patrick** [KKB16]. **Pattern** [GPP01a, QZG+19]. **patterns** [Li95]. **PBS** [ZWXX24]. **PC** [Røn92a]. **PC-fractions** [Røn92a]. **PDE** [AFN16, AFN17, BGS24b, BM24a, CW21a, GPHHAPR18, KN23, MS20b, NPS09, Pea13, PZ20, Sla06, SG10, ZS13, iV12]. **PDE-constrained** [AFN17, AFN16, BGS24b, CW21a, MS20b, Pea13, Sla06]. **PDE-informed** [BM24a]. **PDE-W-methods** [GPHHAPR18]. **PDEs** [ATM19, AAIT94, BWC22, BIMR19, BK08, GPHAPR24, HFDSC24, KM24a, MHR23, MM23, TCW14, USAF14, YM24, AAII96, DL09, Sim98]. **peer** [SW10a]. **Pellet** [Mel14]. **penalized** [PV23, ZLLC11]. **Penalty** [JR20, MAS17, PSS22, SFS23, WZZQ24, ZW20]. **pencil** [JKK+07]. **pencils** [AL09, CG07a, CsL24, DPP22, KPS14]. **Penrose** [Hua21]. **penta** [JJ13].

penta-diagonal [JJ13]. **pentadiagonal** [JL16]. **per-iteration** [KD14]. **percolation** [CLA11]. **perfect** [BM19, MVVV24, VB91]. **perfectly** [DL21]. **Performance** [CMWP20, HD18, BOP98, CEK21, EH97b, LS14, Moo07, PSS22, Sha19, WLL12, Wan15a]. **peridynamic** [JH22]. **period** [CCTV16, CZLS18]. **period-doubling** [CZLS18]. **Periodic** [FG03b, MO04, Spr98, AMM11, AKQ17, Ben99a, BHS14, BH17, CKP97, CBGVN07, CZLS18, GL21, HM19a, Jia20a, LDN16, Lor95, MO10, Plo93, Plo94, SS15, SJ14, SWJ24, Thr92, WSZ21, YC22, YX11, ĐK15, van93]. **Periodization** [KSW07]. **periods** [Hol98]. **permeability** [NAHZ21]. **Perron** [CVLX19, EHNR23, Kol06]. **Perry** [WHS20, YHS18]. **persistent** [Fly22]. **perspective** [GZ18]. **Perturbation** [Boy05, ZW22, ZLWQ09, CCL16, CGL99, El 18, LCVL18, LXX23, Vul97, XXW17]. **perturbations** [BRZ18, CHS19, EGG08, MW98, Pla99]. **Perturbed** [Bog02, ED05, Leo03, Leo07b, Leo08, ABL...12, AE09, AA09, BPR22, BS17, Bog13, BDS00, CEX14, CXL16, CL93, CJ17, CG19, CJ20, CVX16, Das19, EA12, FM16, GO06, GO21, HSK20, HCXL20, Kow00, KK12, KK16, KK17, KKS22, KKS24, LS15b, Lin09, LRZ12, LLC20, LZ23b, LZ23c, MS24a, MN11, NMM18, NV21, OQ12, Rad08, RS20, RBN14, SN22, ST99, Śmi13, Tem08, YM24, ZL22b]. **Peter** [Bre19]. **Petrov** [MS14b, BX19, MCW22, MFPG07, dFO11]. **pfaffians** [CHHL18, LCHH21]. **PH** [FKMS01]. **Phage** [Car01]. **PHAM** [VSA12]. **Phan** [PP05]. **Phan-Thien** [PP05]. **Phase** [AA03, MKO04, BZS22, HHST19, Lin98, LWS18, LL20c, LZZ23, Lyn08, Met19, SS15, SKTGR19, Tur94, WXQ20, XCY21, YK22]. **phase-field** [LL20c, XCY21, YK22]. **phase-lag** [SS15, SKTGR19]. **Phenomenon** [Bre04, ALY22, DF01]. **Philip** [Gau95]. **Phillips** [HS12, LQ16]. **PHSS** [HWXC19, WDL16]. **physical** [DR07, XCLA15]. **Picard** [CZ23, GEA20, SAE19, Wan22]. **Picard-type** [GEA20]. **Picone** [BT14]. **picosecond** [CHH93]. **PIDE** [Che24]. **Piecewise** [CF96, Maz18, MM11, WZQ17, All18, And97, BCM19, Bia94, BFK$^+$09, CG07b, CR23, Ell93, GH22, GH23b, HL23b, Maz05b, Maz09b, SMK14, SS94, ZY21a, ZSLZ24]. **Piecewise-linear** [MM11]. **piecewise-smooth** [GH22, GH23b]. **PIES** [KZ21]. **Pillow** [WH04]. **Pipeline** [OM18]. **Pitaevskii** [CCJC18]. **pivot** [KH18]. **Pivoting** [TS92, KM13, ZWLZ24]. **pivots** [KM13]. **planar** [AL23, LSX10]. **Planck** [LD20, MM22, SSYL20]. **Plane** [MST03, NS01, SS01a, BPV13, CM15, For21, For22, HAN24, MP08, PR93, Reb97, Ree92, SS01b, Wal07, Yua21]. **planes** [GJV17]. **planning** [DIM22]. **plate** [BKPS93, Han93, HM07, Lev95, LCW23, Mot14, Pow93, WWD$^+$12, YXL18]. **play** [MT15]. **Plus** [FG03a, HR03a, MVV05a]. **PMHSS** [CW21a, LYW14, ZM16, ZZZ22]. **POD** [SR24]. **Poincaré** [Pas92]. **Point** [ACO03, BO02, DZ01, DHL$^+$04, DH04, GF02, IW04, LS03b, WSY04, AG15, ASW06, AABM17, AJMP11, AM18, AM13, Bac18, Bac20, BBS20, BMR97, BKPS93, BBO21, BD17a, BE17, Bic24, BF99a, BRZ19, BM23, CWZ13, CSI16, CSI17, CSI18, CAB22, CZ14, CC15, CCL18, CD99, CM16, CRN19,

Cro92, DL21, DS09a, Den14b, Dey23, DGL06, DYW16, EAB20, ER19, Fan15, tFZyZ16, GWBC20, GM23, GCGVH92, GLM15, HT21, HS20, HR07, HPS13, HWXC17, HM18c, HWXC18, HWXC19, HM19b, Hua20, Ihs07, IS22, JLMP16, JWCZ21, JCH23, JM18b, Kac18, KT07, KAF18a, KAF18b, KM17, Khe12a, Khe12b, Khe14, Khe16, Khe17, KH20, KOK21, KKO17, LK20, LP18, LM17a, LLD23, LZ15, LZ18b, LXZZ21, LS15b, LRL22, LYY12, LS07, LCL21, Lo97, LSSS15, LZ22d, MWsC19, MS20a, MP00]. **point** [MN17, MR09, MHR23, NHP06, OMU$^+$24, Osa92b, OO22, PKC19, PM22, PKC18, PSWE23, PR14, PH20, PPPN23, PH14, PN21, RGJ10, RZ16, RT20, RT22, RTTH22, RCW22, RB17, Sab91, SKK21, Sal17, SM17, ST22, SMZMA18, SD20, SIE16, SI18, SCW17, SS94, SC18, TAM21, Tak17, Tan20, TH19a, TH19b, TBA94, THT19, VT10, WO00, WZ11, WK12, WZ13a, WK15, WZ15a, WDL16, WK16, WK17, WCM94, XM16, YIY22, YDWL15, YZLP16, Yan17, Yan18, Yan22, Zah09, ZRZ11, ZFC18, ZH19, ZWY22]. **point-based** [PSWE23]. **Points** [GC04, Sza03, AHL20, AHS22b, AHS22a, AH13, AT17, Bag16, CDSV11, CG05, CDG23, CL93, zDYG18, DF94, DFP$^+$10, DPP19, GI15, IAH20, IKMS24, JB22, KST21b, MM19, PKC18, PG12, PR10, PDRG19, SX96, SL15b, SL15a, Van07, WZZ15, ZH17, dBD05, KST21a]. **Pointwise** [LZ18c]. **Poisson** [ABI22, BQ19, BW15, BM09, JHLL15, KN18, LP12, Lee94, LGL23, MFBB23, MZ99, MClXzJe16, MDH16, NT21, Prz16, SSYL20, YL22, ZWW21]. **Poisson-corrupted** [LP12]. **Pol** [CZLS18]. **Polak** [BKG15, MA22, YZBJ21]. **Polar** [KZ03, ÁCL11, BW15, HN16]. **pole** [Car92, Van92]. **Poles** [BBD03, Bal11, BM00, CM92, EAB20, Gre96, Van07]. **pollution** [CV15]. **Pólya** [BG91a]. **Polyak** [BKG15, MA22, Wan18, YZBJ21]. **polygon** [FJT94]. **polygonal** [Kar09, KJC18, LGC24, LCGH23]. **polygons** [AW23, FP20, LHW13]. **Polyharmonic** [HL02, RR08, Flo16, KR07]. **Polyhedral** [HV98, Wat92]. **polylogarithm** [Vep08]. **Polynomial** [AM13, BC14, BFGM03, BCGVS11, CR03b, CPV04, DV01, FM19, FT02, INR01, LWK12, LM12, MC05b, MC05c, Maz12, Ple03, Rec01, RZ23b, VM17, WDY04, ABL...12, AL23, BDL$^+$12, BLW09, BNN16, BM00, Ber10, Bin96, BF99a, BF00, BC17, Caç10, Cam19, CJTW96, DF93, DY93, EEM20, FM16, GGN14, GH10, GM92a, GI15, GNH10, GS16a, Her96, HvD93, Hua96, HV98, ICR06, IN21, Iva17, JK18, JS15, JNW92, KAL22, KS12, LV15, LKW17, LZ22a, Man07, MMV17, MMV19, MS17, MSS18, MK94, MS11, MG91, MG94, PHI98, PS06, PMM11, PR14, RVF07, SST92, Sid94, SS23a, Sol23, SSH20, TS18a, Yan18, YHZ20, ZR17, dB07a]. **polynomial-iteration** [Yan18]. **Polynomials** [Ano05b, BBR03, BL04, BD04b, BV96, CD01, DG05, Des17, Dra02, DJ02, FH04, Gau15, Gau17b, HLM04, LW04, Mas05, Maz02, PG05, Rec01, ALW98, APPR14, All18, ÁFP07, ACG20, ADGP15, ACH14, BDJ11, Bec96, BC00, BD20, BLS92, BEGG91, BHJTM92, BZ24, BP23, BZ91, BM96, Bre99a, Bru93, BV95, But96, CG17, CMP21, CGM12, CMR16, CCHH23, CW21b, Cox93, CBGVPP09, DFP$^+$10, DM14, DB06, Dra96, DM97, DD99, DL01, DJM08,

DJ18, DHM12, DGP15, DLR24, EDAH12, Erb15, FS20, FGM19, FKP06, FPP05, FMD18, FHV15, FH00, GAM24, GL07, Gau08b, Gau09c, Gau09b, Gau09d, Gau11b, Gau12b, Gau13c, Gau18, GM21, Gau22, GM22, GN12, GS14, GCGVH92, Han96, HSL19, IZ24, IN95, Ise96, JBJB17, KG23, KJG23]. **polynomials** [KSCS07, KSCS08, KW96, Kou07, Leo07a, LGA+00, LWAG08, LL14, LI10, LPP21, LR14, Man17, MS92, Mar92, MdR08, MM08a, MdR13, ME95, MEJS19, MS23b, Mil17, MD15, MA95, MS11, NØ96, Not95, Ost07, PM05, Pet95, PCDH20, QW08, Røn92a, Ron92b, Ron08, SSP15, TTV21, TV19, VC10, Wal06, Wal07, Wim99, Wim00, ZAGD22, dFG93, DH18, Gau17a, Gau19]. **polynomiography** [QAS+24]. **polytopes** [PT18]. **population** [OKP21]. **Porous** [AA03, CGN03, ASZ23, MSMS12, SLLA15]. **portfolio** [LXP20]. **portrait** [HPS97]. **Posed** [CR02, AMR23, AC11, BH11, CMRS00b, DNR15, DNR17, FH00, Han96, Han94, HR14, JRS09, Jia20b, Mok16, MRS06, MRS10, NRS12, OR17, Pla99, RRS09, RR13, RSZ20, SGJ15, WZQ17]. **posedness** [CDG23]. **Position** [Sei98]. **Positive** [All03, ABQ04, GPS01, Leo07a, Str02, YLD11, AR16, AR20, AA16b, AL97, BMA16, CR96b, CLMM05, CWHL20, CV15, DFD23, tFZyZ16, GMP92, GRAST23, Hag13, Har18, HM18a, HV12, LG17, Liu11, Mas95, NP18, PG15, Str97, Sun94a, Sza92, Tan17, VGV06, WMCW21, XM16, ZM94, Zha15]. **positive-definite** [PG15, XM16, Zha15]. **positive-indefinite** [CWHL20]. **Positivity** [Not08, MPR22, OKB23, YH24]. **positivity-preserving** [OKB23]. **positron** [BG11, RVF07]. **Posteriori** [ABMV03, SS03, ASGJ+20, AKPW05, COSE22, Das19, DBGB11, HCXL20, JL15, KL17, KKS22, KKS24, LCH20, LRM16, LKK21, MCW22, SS24a, She15, WZ22a, ZLH21]. **Postface** [Meu19a]. **postprocessing** [Sar06, ZL23]. **Potential** [LM04, Lui02, Rog95, BX17, EAGS20, KZ21, Rei98]. **potentials** [Lam09, LZ23a]. **Poussin** [The12, TV17]. **Powell** [Rip93, WD95, WD96]. **Power** [Bou06, Maz02, SVZ01, GL20, Sab92b]. **powering** [GI10]. **powers** [DM92, GLM15, Sid20a]. **PPS** [SM21]. **PPS-methods** [SM21]. **PQser** [CFR19]. **practicability** [USM24]. **Practical** [BKL10, Len93, SC03a, CY10, Mot14, ZL07]. **practice** [CFS21]. **Prandtl** [DOT21, CM01]. **pre** [GV99, Mic91, MRU91]. **pre-filtered** [GV99]. **pre-wavelets** [Mic91, MRU91]. **Preassigned** [BBD03]. **precise** [EED19, Wil12]. **Precision** [Rev03, BBPV12, BGZ20, FLMR99, Gau09d, Gau11a, Gau14, GS14, Joh15, Joh20, KFK+24, KMS23, OC24, RR23, Sv95, Tsi07, WLL12, YZH21, Zag24]. **Preconditioned** [BBS20, LRGH02, MR96, WZ13a, XWY19, ZZB20, AAAA+18, AFN16, AFN17, BBC11, CK24, CZ14, CDLW21, EG19, GM20, HYW20, HFDSC24, HM19b, LZOY22, LZ18b, LZL23, Meu99, PNW17, PV98, Rah11a, RWTW19, WHS23, WPL18, ZCG15]. **Preconditioner** [Meu02, ALJLYJ24, BW13, BOR23, Che16b, CL21, tFZyZ16, HN94, HWXC17, HWXC18, KM17, LM19, LAN18, lLHNS23, LC21, MS20b, NG23, RCW22, RR98, SM17, SCW17, Tan17, XM16, ZD17, ZFG18, ZWY22].

Preconditioners [LXZZ21, Lin01, LS03b, AL97, ACSD16, BBO21, BBL23, Cao12, CW21a, CMM17, CT93, CO94, CX20, DNR17, FNS19, FC01, HW18, Huc92, LZ19a, LZ19b, LN10, LW12, MMGH17, MHR23, NMM18, WSLL24, ZRZ11, vdMRS06]. **Preconditioning** [GZL24, GP99, MT18, MS02, SC03a, SMB02, ABG97, AK09, BCW13, BRY14, BL23, BM12, CGV22, GNS22, GV00, HPS20, JCF15, JM00, LP20, Mor17, ST18, SH21a, TH23, TA13]. **predator** [GA20]. **Prediction** [PV03, LL22a, MBG19, PV99]. **prediction-correction-based** [MBG19]. **predictions** [BM24a]. **Predictor** [IW04, Bra06, DZW17, Khe14, MJH17, SMZMA18, SD20, WO00, YZLP16, ZLS24]. **predictor-corrector** [SMZMA18, ZLS24]. **Preface** [Ano98e, Ano99f, Ano00b, Ano01h, Ano02d, Ano03c, Ano05c, BCN06, BJP+19, BSSJ14, But02b, BJPW10, CP00a, DEV97, DRZV07, MY04, Meu19b, The97, RZ99a, RZ23a]. **prefiltering** [PZL15]. **prefilters** [Ehr97]. **Prescribed** [CG03, ANI+17, CM92, Gre96, PP92, Van07, ZYBJ23]. **Prescribing** [TM14, Meu20]. **presence** [ART19, BRZ18, CEK21, CFRV23, Gau12a, Gau13a, MZ99, Zas22]. **Presentation** [Kub15, BZ91]. **Preservation** [MO10, DS21, LZ23a, WS24b]. **preserve** [CL96a]. **Preserving** [CP01b, LM01, ASGGRG23, BHLZ21, BH17, Bla15, BWC22, BV21, BB14b, Cai22, CS22, CMWP20, DW21, DCW23, DLL+24, Ell93, Guo16, GJVW24, HKCW24, HWZ24, IJ19, KK00, KNBGV18, LN95, LG19, Miy24, OKB23, SZQS23, WZVJ22, WWM21, YZZL17, YZLZ22, YK22, YSLL23, YH24, ZLQT19, ZYQ+21, ZYJY22, ZZ22a, ZY23, ZJJW24, ZQS24]. **Pressure** [LN22, HLS10, PV00]. **Pressure-independent** [LN22]. **pressure-release** [HLS10]. **prewavelet** [HP18a]. **prewavelet-based** [HP18a]. **prey** [GA20]. **price** [CCLi16]. **pricing** [CL10a, CDLW21, Che22, Che24, CS12, KMV17, ZZ22b]. **Primal** [Khe12a, Alt21, AABTB23, BC16, CWZ13, CC06, CL19, DGL06, HHF22, JWCZ21, MBG19, SMZMA18, WZ11]. **Primal-dual** [Khe12a, AABTB23, BC16, CWZ13, CL19, DGL06, HHF22, MBG19, SMZMA18, WZ11]. **primary** [GI10]. **primitive** [PMO05]. **principal** [CG07a, HNY+18, XLG22]. **principle** [ASGGRG23, BD17b, CGHH21, CS22, LEK21, She00, SZQS23, SZ24, WZC23, ZYQ+21, ZY23, ZQS24]. **principles** [PZ20]. **prior** [LZ22b]. **priori** [BGR23a, KKS24, LKK21, SKP20, WZ22a, ZA20]. **Probabilistic** [Stu97]. **probability** [GM21, HDL23, LD20, WZ23b]. **Problem** [ABMV03, BBHM03, Bog02, CGN03, CSFC04, CN01, LV01, Mar04a, SR04, SME03, AMM11, ALV20, ADA07, ACE99, ARSS19, BAV18, BEM99, BVV14, BBCS21, BH92a, Bia12, BFKM20, BFK22, BZS22, BCJ24, BM24b, BGVHN92c, Buo17, BGZ20, CMD19, CEX14, CLGS17, CCL18, CC18, CZM21, CS24, CFRV23, Cor91, CKM19, CL13b, CGN22, CRV91, CHK14, DLL13, zDYG18, DD20, DD21, DS09a, Den14b, DWX17, Don16, DJG18, DZ22, DLDW21, El 18, ER19, FAMA20, Far20, GD15a, GHC15, GWL18, GPGC98, GD15b, GO06, GO21, HT16, HT21, HJB18, HM22b, HZ95, HFZ19, Hu22, HNY+18, HM19b, IJSS16, IUM+19, JHLL15, JM00, JN99, JRRS08, KZS21,

KAF18a, KAF18b, KPC20, Khe14, Khe16, KMA13, KPS22, KS18b, KPA20, KLZV95, KLW+23, Kun05, KP22, LMV00, LLZ94, LLS11, LY18, LDX23]. **problem** [LL20b, LCL21, LJ22, LZ23b, LG95, LXP20, MWsC19, MM00, MM19, Med10, MS24a, Mez22, MT93, MK17, ML10, NPR08, OIM21, OMW21, OR17, PKC18, PL99, Pan20, PV23, PYD23, PPPN23, Rab23, Rad08, RS06, RZ16, RT20, RT22, RTTH22, RT24, Ria16, RS93, RVF07, Saa23, SCD+21, SR16, SW24a, She15, SCF23, SMNZ20, SFZ22, SW07, SR24, SG10, Str09, SC18, TKSG23, TAM21, Tak17, TPLB22, THT19, VPA24, Vul97, Wan17, Wan18, WZ22a, Wit96, WK20, WL22b, XHZ07, XZZ22, XZW13, XWX24, Xue95, YZL20, YPL21, YZ23, YZ11, YLY12, ZE12, ZM94, ZBDK23, ZW12a, ZW14, ZZH15, ZYGQ17, ZZ19, Zha19, ZJZ20, ZZZ20, ZLWZ21, ZLH21, ZL22a, ZW22, ZZ22a, ZLZ23, ZWX19, ZW20, ZY13b, ZW15, ZZ18, ZLCW23, Zhu15, ZWY22, ZD18, CGR12]. **Problems** [AKW02, AKKW03, BD02, Bel03, BCV03, CR02, EGSV04, FG03a, FG03b, GC04, GLC22, HSZ03, Kol04a, LS03b, MT04, Nac03, The97, PV03, SK04, TC05, Tsu02, WSY04, ALQ17, AAA+18, AS10, AR13, AHC05, AMCM06, AMR23, ÁCL11, ABL...12, AE09, ABI20, ABI22, ALZ20, AJMP11, AAH18, Anh19, AT21, ATT22, AA12b, AM18, AM13, AHKW05, AKPW05, AK09, AFN16, AFN17, BPR22, Bac18, Bac20, Bac21, Bac23, BBS20, BMR97, BD06, BZ13, BS17, BLW09, BGR23b, BBBC20, BD17a, BCK06, BGRS09, BGRS12, BBL23, BF18, BH11, BGS24b, BPV13, BFK11, Bic24, BM97, Bla15, Bog13, BC16, BRS09, BE98, BS14, BMR19b, CSI16, CSI17, CSI18, CCZ23, CR99, CMRS00b, Cal20, CB16, CW19a, CW21a, CK24, CKS24, CZ94, CZ95, CZ14, CC15, CR20, CW14, CLWV15, CD15]. **problems** [CM16, CFL19, CGYZ19, CLWH20, CJK22, CYM22, CRN19, CCJ99, Cho17, Cho16, CW17, CDD21, CL93, CGL99, CJ17, CVX16, Cor24, CDS20, Cro92, CsL24, DLL12b, DLL12a, DG17, DMA19, DBH21, DC17, Den14a, DHF21, DMT22, DEM94, DBAE09, Don10, DBGB11, DYW16, DI11, DLLD17, DSS14, DR12, DNR15, EDAH12, EE18, EH97b, EP97, EM07, ETY98, Fab16, Fan15, tFZyZ16, FYYW19, Fan22, FG07, For93, FR18, FH00, GEP14, GEP16, GEP19, GHN19, GX19, Gha16, Gha18, Ghe13, GH09c, GS16b, GPHHAPR18, Van12, GL15, GRT97, GK21, GZD24, HS20, Han96, Han94, HHF22, HR14, HVMT17, HMA16, Hie18, Hie19, HRAH22, HKPW19, HL23a, Hua96, HLZ14, HWXC17, HWXC18, HRY19, HWXC19, Hua20, Huc92, IDS16, IS17, IMT23, JKM18, JL12, JRS09, JR20, Jia20b, JWCZ21, JSZ22]. **problems** [JLX22, JCH23, JK19, JA22, Jón93, JS23, JM18b, KW00, KST06, Kar10, Kar13, Kar15, KJC18, KLT95, KM17, KMZ18, Ke21, KS20, KS12, KD18, Kno23, KMS05, KS23, KJO23, KSW09, KK12, KK17, KKS22, KZ21, LP18, Li97, LWM10, LHZ10, LZ14, LL16, LY17, LDL17, LM17a, Li17, LWZ18, LL20a, LZL20, LYH+20, LLX20, LlLZ21, LZOY22, LLY22, LBF24, LPRÁ24, LJ11, LZ15, LAN18, LZ18b, LZL22, LZL23, LDC10, LS15b, LCH20, fLxX12, LRL22, Lin05, LRZ12, LHL11, jLyLqW17, LW17, LWS18, LZ18c, LZX22, LJbL21, LRM16, LKK21, LPXX19, LZ22d, MS20a, MsC20, MSCB93, MN17,

MK98, MMV19, MMGH17, Mar93, MRS93, MO19, MB06, MZW20, MG20, MG21, Mia19, Mil20, Mil18, MS20b, MS14b, MN08, MSS11, MN22, Moo20, MRS06, MRS10, MPB16, MG18, MN11, MH22, MS24b, NM14, NBJA17]. **problems** [NRS12, NJ13, NMM18, NV21, Nie93, NEMS14, NK21, NR12, OQ12, OMU+24, OC24, OdZdRV13, OLB94, gOM14, OAMA22, PKC19, PT24, Pea13, PT17, PLH20, PDS+23, PK22a, PK22b, Pla99, PPR15, PR93, PLVB11, Pot19, PSS22, QL12, RFS23, RKMS16, RR20, RGJ10, RMT13, RBN14, Ree92, RTCL21, RRS09, RR13, RSZ20, RAH11b, RWTW19, RCW22, RR98, RR00, RSCH+19, RB17, Rum14, SPV20, SM17, SEG14, ST18, SS24a, SWS22, SM21, SIE16, SI18, SCW17, SHLY18, SDW24, SW19, SS15, Si12, ST21, SN22, ST99, SDMMK18, SJ14, SG17, SG18, SXHZ20, SWJ24, SA23, SSSS22, Stu97, SS94, SLL22, TS18a, THF21, TQY21, TQW24, TO21, TG20, TYSY20, TBY13, Thi93, TH18a, TH18b, TH19a, TH19b, TVC20, TTLD20, TDC21, TRSI23, Tom11, Van07, VTV22, VMMD21, VT10, VN18]. **problems** [VS19, WZ13a, WJW14, WDL16, WZQ17, WCW20, WL22a, WYP23, WL24, Wat93, WCM94, WZS14, WPL18, Wu22, XM16, XXW17, XCD23, XZP+20, XP23, YWWR12, YDWL15, YH21, YF22, YWYN22, YSXY19, YZLC24, Zah09, ZA20, ZH22, ZRZ11, Zha11, Zha15, ZZY18, ZFC18, ZL22b, ZZ23, ZH19, ZLV17, ZV19, ZV21, ZZLV23, ZS08, ZLWQ09, ZZY24, ZLLC11, vSv94, vdHM98]. **procedure** [ABT07, BGR23b, CPRZV23, HS96, LSY+23, RZ16, Shi96, ZD15, ZYGQ17, ZYJY22]. **Procedures** [Bre02, DLL04, AG13, Bre00a, VVV22, CP93, CP95b]. **Proceedings** [BV96]. **process** [BRZ19, BE98, Dax17, FJ96, GGN18, GLRSG08, HVM15, HVMT17, JL21, PRVI20, PDRG19, Sid17, Ste24, SCS18, TAM21, TH19a, YLYZ23]. **processes** [BM09, DMYT23, GKL21, HR07, SKSS21]. **processing** [ABK22, ABKD23, BKPS93, BH11, FM99, OB16]. **producing** [JJ24]. **Product** [BG03a, GGV02, ACM93, BH01, CE94, CK20, DGP15, FT05b, HPS13, Hua21, HZ24, Jia06, LN10, MS15, OB16, Rab05, SP21, XQZ24, YHZL21]. **Products** [DL01, Str93, CL99, HL15a, HHLM23, MMV19, Ron92b, Str97, TK94, YHZ20]. **profile** [MM23]. **program** [Góm99, KLZV95, ZGLH24]. **Programmable** [LLQ17]. **Programming** [Dos03a, GC04, IW04, Zil01, dSCS04, BBO21, DGL06, FM93, GWW15, GZ11, HBP13, JYLC21, KS18b, Kub23, LWM10, LDC10, Lin16, LCW21, LPXX19, OL21, PW22, SPV20, SDW24, SW24b, TO21, WO00, WZ22b, YYL15, YZLP16, Yan17, Yan18, Yan22, ZM94]. **Programs** [Góm01, HL23b, Jos22, WZZ15]. **progress** [Ano17, KM13]. **Progressive** [NL97]. **Projected** [SL21a, AJMP11, ABM10, BHS14, BH17, Jón93, JRRS08, KJO23, LP08, LHL11, MRS06, YSXY19, ZCTD24]. **projected-gradient** [AJMP11]. **Projection** [BZ02, DHF21, EGSV04, AAM24, AAB13, AKB15, AK15, AAH18, AV19, ATT21, AT21, BRZ18, BEHS20, BBB22, zDYG18, DEM93, DLYH17, GWBC20, GPGC98, GP99, GG22, HHST19, HT19, Jbi93, KR20, LP12, LP13, LCVL18, LC19, LWLW24, LHZ20b, LRL22, LSY+23, MJJ+23, MT12,

MRS07, MvS09, OL23, ODL21, PP24, PP16, PP17, PCDH20, RTCL21, SLD20, SLT20, SXHZ20, THF21, TQY21, TVC20, TRSI23, TLD+23, THT19, WZZ16, WXT22, XCD23, Ye22, YJJ+21, YZLC24, ZFH23, ZZX+23]. **projection-based** [AK15, OL23]. **projection-type** [RTCL21, SLD20, TLD+23]. **projection/Lagrange** [SLT20]. **Projections** [BCN+16, CE94, CCL16, HR05, HS16, KS23, RZ23b, SEG14, Sei98, Szy06, Tru24, Zas22]. **projective** [HAN24]. **projectivities** [GM92a, MG91, MG94]. **projector** [SL16, SL18]. **projector-based** [SL18]. **prolate** [SHF15, Tia21]. **proof** [Eft15a, Eft15b, Fue07, GQ09, Not22]. **proofs** [Stu97, Szy06, YZH21]. **propagation** [AMM17, BCJ22, LRC19, MR12, ZYJY22]. **Proper** [Oar94, LCW23]. **properly** [SL15a]. **Properties** [Bar13, BO03, BG03a, BSL18, BJ04, GL12, GC04, IMT02, Mas05, RB21, USM24, VL19, AHJ17, ÁFP07, BRZ18, Bea98, BGVHN92a, CHYZ98, CMP21, Ceg24, DHM12, GTA19, HSL19, Jia20b, KM09, LWS18, Man21, Mat92, MAK20, NW17, Oar94, Sv95, SS14, YWX14, ZW12b]. **property** [BE20, Flo16, KM13, LWQR15, MP92, WS24b]. **proportional** [MMLM20]. **Proportioning** [Dos03a]. **Proposal** [DHL+04]. **protein** [MB09]. **Proving** [Pop21]. **Proximal** [HSS04, IUM+19, LX24, MH22, PKC18, SKK21, AAA+18, AG23a, ATT22, CWHL20, Dey23, DEM94, GZD24, HRAH22, KLW+23, Ma20, MN22, MN23c, PW22, PLH20, PDS+23, SBJC19, SW24b, TYSY20, WL24]. **proximal-like** [HRAH22]. **Proximal-type** [IUM+19]. **proximity** [PH14]. **PRP** [AIA+24, YYZ22]. **PRP-BFGS-like** [AIA+24]. **Prudnikov** [GM22]. **Prune** [VR04]. **Pseudo** [PTSB01, TC05, FHL21, LDW18, LZlL20, LZ23a, LQ20, LSY+23, Mar96, TTLD20, TSI20, ZHT15, ZLLH22]. **pseudo-boundaries** [ZLLH22]. **pseudo-function** [Mar96]. **pseudo-geodesic** [PTSB01]. **Pseudo-geodesics** [PTSB01]. **pseudo-monotone** [LQ20, LSY+23, TTLD20, TSI20]. **Pseudo-Spectral** [TC05, LZlL20, LZ23a, ZHT15]. **pseudocontractions** [Ceg24]. **pseudocontractive** [GMZ19, LCL21]. **pseudomonotone** [Anh19, ATT21, AB23, HMA16, JA22, JM18b, PT17, RTCL21, TQY21, TLD+23, ZFH23, ZZX+23]. **pseudomontone** [Hie18]. **pseudoparabolic** [LZ09]. **Pseudospectra** [LS03a]. **Pseudospectral** [BBD03, Ghe15, HLS10, Don13, JVH15, RS97, Sar06, Tia21]. **pseudostress** [KPS22]. **PSS** [HWXC17, LZ18b, SCW17]. **PT** [AMM11]. **PT-symmetric** [AMM11]. **publications** [All08b]. **Publisher** [Ano00c]. **Puiseux** [WGZ18b]. **pulse** [Roh07, WXQ20]. **purpose** [FH05]. **pursuit** [HNY+18, LLLD17]. **put** [CL10a]. **pyramid** [WQ10, dC22]. **pyramid-typed** [WQ10]. **pyramids** [PTW22].

QD [Van03]. **QDR** [APST21]. **QLP** [HC03]. **QN** [GWL18, LL20a]. **QN-matrices** [GWL18]. **QR** [DG94, KSW09]. **QSVD** [ZLWZ21]. **Quadratic** [CCD10, Dos03a, FKMS01, Góm01, MS92, ZE12, AABM08, ASS13, BHW23, BFKM20, BFK22, Bla15, Bog13, CWZ13, CJ12, CT21,

DLR12, DGL06, GS94, Góm99, GS16b, HLC15, IJSS16, KKM20, Le 92, LWM10, LDC10, LRZ12, Liu21, LCW21, Mic23, OL21, OAR22, Pan20, Sat24a, Sat24b, WZ11, Wan24, Yan22, Zak17]. **quadratic-cubic** [Liu21]. **Quadratically** [Rec01, KSB08, SG10]. **quadratization** [LL20c, LL22c]. **Quadrature** [BPR20, CR03a, CvPS15, GST02, GST03, KP03, SS01a, WL00, dABR01, AHR21, AAPR21, AR18, BD10, BEJR23, BCM07, BT23, BK18b, BHS17, BG13, BGVHN92d, BGVHN96a, BC09, BSL18, Cam95, CC12, Che99, CH11, CD07, CBGVN07, DPS18, DDRS23, FG07, FMD18, GM06, GSZ22, Gau10, Gau13b, Gau14, GHM23, GST21, GS95, Hag13, HHHN07, HMS11, HL15a, KXXW21, Kza97, LMV23, Lau07, LM97, Leo07a, LHW13, Mas95, MM08b, MM09a, MV17, MT13, MT14, Mon01, Not95, Not08, Not12, OdZdRV13, OPSM22, PP21, SKA23, SS01b, Spa24, TS18b, YWYN22, ZH23, ZYLN18, dC20, dC23, CIP10]. **quadrature-based** [MT13, MT14]. **quadratures** [Mil95, Mil17, MSS11, Pej14]. **quadrilaterals** [Kee94]. **quadruple** [KFK+24]. **Qualifying** [BD04b]. **qualitative** [WS24b]. **quality** [AHS22b, AHS22a, Bra96, LAH22, NZ19]. **Quantification** [MHZ05, KBCG13]. **Quantifying** [ABV23]. **Quantitative** [BG03a, PK22b, PK22a]. **quantum** [FGL19, GJVW24, Kar07]. **quartic** [Kim21, MS96, QZG+19]. **Quasi** [ABKD23, AL18, BMR19a, BKM03, BC17, Bre03a, IMT02, LI10, NSS03, PL04, ASS11, ASS13, ALY22, And19b, AG23b, BDIR18, BD20, BIM+23, Cho16, CZLS18, DDS93, DBH21, Den14b, GZ18, GMZ19, GO20, HSSB13, JKM18, KG23, KBA23, LEK21, LCL21, MWsC19, Maz11b, MK17, Ngu16, Orb15, PKC18, RB21, RZ16, SKK21, SCF23, SS23a, SSSS22, SWG20, SG23, SC18, UL18, WRM17, WZZ15, YSLH19, ZD15, ZZB20, BKL10]. **Quasi-** [LI10, LCL21, MWsC19]. **Quasi-analytical** [BC17]. **quasi-asymptotically** [Den14b, GMZ19]. **quasi-boundary** [SCF23, YSLH19]. **quasi-Bregman** [Ngu16]. **quasi-Chebyshev** [WRM17]. **quasi-compact** [ZZB20]. **quasi-definite** [Orb15]. **Quasi-Eigenvalues** [IMT02]. **quasi-interpolant** [ASS13, RB21]. **Quasi-Interpolants** [NSS03, ASS11]. **quasi-interpolating** [ALY22, DDS93]. **Quasi-interpolation** [AL18, BDIR18, GZ18, SWG20, SG23, UL18]. **quasi-linear** [MK17]. **quasi-minimal** [ZD15]. **Quasi-Newton** [BKM03, Bre03a, PL04, And19b, AG23b, DBH21, GO20, JKM18, KBA23, LEK21, SSSS22]. **Quasi-Newton-based** [ABKD23]. **quasi-nonexpansive** [PKC18, RZ16, SKK21]. **quasi-orthogonal** [BD20, KG23, SS23a]. **quasi-periodic** [CZLS18]. **Quasi-Toeplitz** [BMR19a, BIM+23]. **quasi-variational** [SC18, WZZ15]. **quasiconformal** [DM98a]. **Quasilinear** [Ben97, KK16, KKS22, Lie00]. **quasilinearization** [ITA24, MS13]. **Quasipower** [Pas95]. **quasiseparable** [DP16, EGG08, Hua18]. **Quasivector** [Mar04c]. **quaternion** [BC05a, CUY24a, CUY24b, DLL+24, JNS19, JLZZ23, LLWC24, LZX23, WZVJ22, ZLWZ21, ZZ22a, ZLZ23, ZJJW24, ZWLZ24]. **quaternionic** [GJVW24]. **questions** [Lin98]. **queueing** [BM97]. **quicker** [LM15, LSM16]. **Quintic** [FKMS01, XL14, KS12]. **quotient**

[AC94a, AL09, OC24]. **quotient-difference** [AC94a].

Rabinowitz [Gau95]. **Rachford** [AG19, AG19, BCN+16, BCS18]. **Radau** [CX20, Gau09a, Lau07, MVVA08, MT23]. **Radial** [CYIB12, Ave20, Bro05, CLMM05, DS09b, GZ20, HV15, LM00, LPP21, Low05, Nar05b, Pea13, SKTGR19, WZ15b, XLC93, YXS22, ZJ08, ZZL17]. **radiation** [NZF11, YHQ19]. **radius** [Ali23, CB13, KE16, Mel24, Uhl09, ZCS14]. **Radix** [DR04]. **Raising** [BC05b, Wal06]. **random** [AK16, DPP19, FS20, Gor18, LWZ18, LL22b, LM17b, Mil20, NT21, WCHK21, YYLX23]. **Randomized** [LLWC24, ZHSX23, BP22, EN11, FS23, HDL23, HZ24, Jia20b, KS23, MS24b, TL23, Wu22]. **randomly** [CM05]. **Range** [WH04, Gau12b, Gor18, GKQ24, HS96, LMV24, NRS12, SBW98, Ska13, Zah09, Gau17a, Gau19]. **Rank** [GSA03, OLB94, WSY04, APST21, AH11c, BBL23, BKS13, BHS14, BHW23, BEHS20, BH92b, BG13, CMM17, Dax17, DM22, DLC14, EGG08, EKPU23, ED22, Faz23, FH97, FHH99, FH05, HG93, IDAV09, KKM20, LLZ18, LHZ+21, LLWC24, PK21, RS21, Sid94, Sid20b, TS92, TM10, VZ93, WC23, WZVJ22, Zhu15]. **Rank-** [OLB94, ED22, IDAV09]. **rank-one** [TS92]. **rank-revealing** [BH92b, DM22, FHH99, FH05, VZ93]. **RankRev** [LLZ18]. **Raphson** [Par16, Ste20]. **Rapidly** [HIK17, AG00, GLRSG08, GLW13]. **Rate** [Dos03a, ART14, AK00, GL19, LGL23, SLL22, ZWW21]. **Rates** [BCN+16, CK24, AC19, Gor18, JLP20, Kno23, NT21, Pop18a, Pop19, SS98, SBJC19]. **ratio** [ART14]. **Rational** [Ano92, BBD03, BM00, CGV92, Car92, CCV07, Col92, Dar99, GV99, Gre96, HGVPA92, KLT03, Mac96, MVVV24, Reb97, SS11b, Wen03, AH21, AAP24, AC94b, Bal11, BC92, BBL22a, Ber00, BHJTM92, VVV22, BGVHN92a, BGVHN92b, BGVHN92c, BGVHN92d, BGVHN96b, BC09, CM92, CH95, Cor91, CV92, Cuy00, CY10, EK94, FWC16, FG07, Le 19, FJT94, GGV96, Gem97, Gen12, GH23a, Gla01, GCPG99, Gug96, Hof21, IT93, LZRJ92, LV15, LWK12, LKW17, LX23, MCMX20, NCC11, PGGC97, Poc14, Rob92, SST92, Sch17, She00, TF00, VB92, Van07, VC92, Ver99, WQ10, XZL12, YD09, dC16a, dC16b]. **rationals** [Dun94]. **ratios** [PYD23, YA24]. **Raviart** [LS20]. **Rayleigh** [AL09, Ema96, IDS16, OC24, RR98]. **RBF** [CJK22, FZ07, HSZ03, KJC18, SW00]. **RBF-DQ** [CJK22]. **RBFs** [ZLZ22]. **RBFs-based** [ZLZ22]. **Reaction** [Sch02, BS17, BKF20, COSE22, CLT+13, CSZ22, CYM22, CG19, CJ20, GM06, GK20, Kaz24, Kno23, KMS05, LZlL20, LS15b, Lin05, Lin09, LRZ12, MS24a, Moo07, Ngo23, NMM18, RF23, RR22, SKA23, Smi97, VT10, WZZQ24, YJX15, ZYX19, dFO11]. **reaction-diffusion** [BKF20, CYM22, CJ20, LS15b, Lin09, LRZ12, MS24a, Moo07, RF23, VT10]. **reaction-subdiffusion** [CLT+13, LZlL20, YJX15]. **Reactions** [KV04, BWB24, Hol98, SMK14]. **reactive** [VSA12]. **Real** [CD01, GKS04, Mai01, ZS03, AHR21, Ali23, BDH+13, Car95, CBGVPP09, DY93, DFD23, EV22, HAN24, JZ16, KKK22, MLM19, NP18, ZA24, ZZ22a, ZLZ23, DCM+13, DCMM13]. **Real-Time** [ZS03, JZ16]. **realization**

[Lin98, PP21]. **realizations** [GMZ19]. **Reciprocal** [ABL...12]. **reciprocals** [LMUZ19]. **Reciprocity** [SC03b, Gás99]. **recoarsening** [Hem96]. **Reconstructing** [Bea96]. **Reconstruction** [Flo03, HSSB13, LL20b, AB23, CLMM05, CsL24, DHJJ10, DPR23, EHN17a, HJ18b, HOW95, HV22, MFBB23, MN23b, Wan15a, XYZ14, XTH07, XL14, Zak17, ZJ08, EHN17b]. **Recovering** [ST02, WDY04, Gor18, KK22a]. **Recovery** [ZLH21, BK18a, EKPU23, GLW13, Han93, Kow00, RS21, TY96, ZY21b]. **Rectangle** [BK04]. **Rectangular** [CP01a, DM97, AAD14, BF17, KRS19]. **Recurrence** [Leo03, LGA+00, LW04, ZG12a, Aih17, BPR20, Da 92, DS23, FHV15, Gau09d, HHLM23, Leo07b, Leo08, Maz09b, Müh99, Sch17, VC10]. **recurrences** [ZD15]. **recursion** [SSP15]. **Recursive** [CK20, MS17, TA13, BM12, CP95a, FGP91, IR13, Mar92, MVV05b, OLB94, SS23a, SS23b]. **recursively** [MT06]. **red** [FS21, Cia94]. **Red-Black** [Cia94]. **Redivo** [CHHL18]. **reduce** [Ant18]. **Reduced** [GF02, HOW95, SR24, El 18, EE18, KLZV95, LL07, LCW20, MG22, Sid94, Sid20b, SH17, WZZQ24]. **Reduced-order** [SR24, KLZV95]. **Reducing** [AMM17, Met19, MRS10]. **Reduction** [Che01, CMRS01, DR01, AHJ17, ACSD16, BW93, BHS14, BH17, Bia94, BM97, BM09, Bos21, CDW95, CP93, CP95b, CJ17, DLC14, DR12, FLT09, GGV96, GLW16, GSV96, Kao20, KV07, ME92, RSCH+19, Sad99, Sau07, Str09]. **redundant** [YP23]. **Reeves** [BKG15]. **reference** [BF93, PV22a, WLL12]. **referential** [PV22a]. **referred** [TN10]. **Refinable** [GPS01, Dah93]. **Refined** [Che04, BPP23, BE17, FS21, LCVL18, MT12]. **refinement** [AS14, BKS23, Hem96, Mic91, MRU91, Str05, UTO24, YF22]. **reflected** [ZCTD24]. **reflection** [BBCS21]. **reflections** [AC19]. **reflexive** [Pen13, XCD23]. **regime** [AKKT16, CZ23, CDLW21, Che22, Che24, MY22, RS06]. **regime-switching** [CDLW21, Che22, Che24]. **Region** [CR03a, Car01, AA12a, ARY17, BKR18, BE17, CHY19, EG94, HZ93, HZ95, KE16, LZ18a, LM13, lLXhL22, MLM19, NAR05a, SS06, ZW14]. **Regions** [SSH20, ASZ23, BBBC20, BF17, Lóc20, SH12, SSH19b, Tru24]. **registration** [BE17, CGYZ19]. **regression** [For93, HZ93, KN18, LDN16, Len93, MMV19]. **regula** [CL06]. **Regular** [SX96, Bar91, CT21, HMdÁES08, KP96a, Kar09, KJC18, KR07, Mar93, Mar96, SYZ22]. **regularisation** [MRS93]. **Regularity** [CCS05, ARTY20, BM22]. **Regularization** [BG11, CRS04, CDD21, Han02, Jia20b, Alt21, BMR21, BEL23, BRS08, BRS09, BOR23, CMD19, CK05, CPZ14, DC17, Don12, DN24b, DR12, FR12, GHN19, GGS22, HR14, HLC15, HRY16, HRY19, HS12, KZS21, LP12, LKK21, MRV23, MRS07, MG18, MH22, NR12, NR14, PSZ23, SCF23, SGJ15, SLL22, VMMD21, WC23, Wan24, WZ22b, YXS22, ZBDK23, ZZ19, ZL22a, ZLL21b, dFG93, Han94, Han99, Han07]. **Regularized** [GWL20, PPR15, dAFPR23, AC11, AT19, BG11, BGS24a, LZ22b, Liu14, SLL23, ZH22, ZPX21]. **Reich** [PGC24]. **Reid** [LL05]. **Related** [BBR03, Boy05, Góm01, APPR14, Ari98, BRZ19, BRZS23, CL13b, DJM+18,

KR11, LM08, LM15, LSM16, SH23, WZ15b, ZA20]. **relation** [BPR20, Müh99, Sch17, VC10]. **Relations** [Cha14, Leo03, LW04, dABR01, Che94, Da 92, HHLM23, Leo07b, Leo08, LGA+00, Maz09b, ZG12a]. **Relationship** [YZH21]. **relative** [GM21, Gau22, GM22, GLM15, LMV23, MPR24, DCMM13]. **ReLaTIve.** [DCM+13]. **Relativistic** [MN01]. **Relaxation** [MS02, ZZ10, vLV02, BX17, CC06, CWHL20, CDP16, CG13, CK06, DEC24, DLL+24, Fan19, FS23, JM18a, LHM20, LJWW21, LCW21, NRV23, OM18, PT19, SJ14, SJW21, TPLB22, ZJ14, ZLV17]. **relaxation-type** [LHM20]. **Relaxed** [BCN+16, zDYG18, GM23, OMU+24, BBL23, tFZyZ16, KM17, LSY+23, SCD+21, SM17, SW24b, WK15, WK17]. **relaxed-inertial** [LSY+23]. **release** [HLS10]. **reliability** [EY10]. **reliability/cost** [EY10]. **Reliable** [Cox93, CCK04, Mar04b, MP02, dADdRC04, BC92, EM07, GST21, HM22a, HM22b, HA16]. **remainder** [Wil12, MG94]. **Remark** [Gau11b]. **Remarkable** [All18]. **Remarks** [ACF99, Dum03, Osw01, CC07, Le 98, Maz09b, ZW15]. **Reminiscences** [Ano00d, Bre19]. **removal** [AL18, CHH93, JHLL15, WHZ+18]. **reorthogonalization** [JL21]. **Repeated** [Cia94, Gau13c]. **representation** [BCJ97, IN21, MP07, Med10, OB16, TO21, TD09, YD09]. **Representations** [APST21, Mat04, AC94b, Ber00, IN95, MM12]. **Representing** [Sza03, CDF99]. **reproducing** [AR13, BAV18, LZ09, LRM16, Tan20, TA96, WCD21]. **repulsive** [OKP21]. **Requirements** [Sha02]. **Rescale** [MH08]. **Rescaling** [DNR15]. **research** [Ben99a, Lev05, PH20]. **Residual** [GR01, Rob02, AM01, DBGB11, GS16b, lLXhL22, MT15, Sad05, TM20, ZD15, Zha20, ZYW21]. **residuals** [CKM19]. **resistance** [ZZZ20]. **resolution** [BC05a, Tuo98]. **resolved** [MvS09]. **resolvents** [Tak17]. **Respect** [LW04, Gau15, Gau17b, LGA+00, Mil17, Müh99]. **response** [Cou15a, Cou15b]. **Restart** [DLL04, LSY+23]. **Restarted** [BR06, BLW09, Che04, Bag00, BPP23, CR12, EHTSM21, FEL15, GSV96, LM99, Lun23, TM20]. **restarting** [DB98]. **Restoration** [SST08, AIA+24, FGBP21, JLJ22, LP13, LZ22b, NR14, WYP23]. **restrained** [QLZX11]. **restricted** [AG17, LY17, NRS12, SBW98, CGV22]. **restriction** [ADL05]. **result** [AG00, Che16a, SI17, YL19]. **resulting** [FJT94]. **Results** [Vig04, AUA22, BBC21, BRZ20, CSI18, DD20, DEM94, LRT19, Lin16, LA22b, Lu15, Mat91, Mat96, NNCN23, RR08, SI13, Smo99, VC92]. **resurgent** [FT05a]. **Retarded** [AR99, MD21b]. **retinex** [CZM21]. **Retraction** [JM18b]. **Reusing** [GI15]. **revealing** [BH92b, DM22, FH97, FHH99, FH05, VZ93]. **reversible** [BL98]. **Review** [De 02, Kuh13, MP07]. **Reviews** [Ano01f, Ano01g, Ano02c, Ano03a, Ano04b, Ano06, Bre96, Bre03b, Ano95a, Ano97, Ano98a, Ano98b, Ano98c, Ano99a, Ano99b, Ano99c, Ano99d, Ano00a, Ano01c, Ano01d, Ano01e, Ano05a, Bre97b, Bre97a, Bre97c, Bre97d, Bre00b, Bre06b]. **Revisit** [Sol11]. **Revisited** [vGK04, BDS00, Bün18, Cho17, Dra96]. **Revisiting**

[Gut15, Saa23, TQC22]. **Reynolds** [BGL07, LBF24, MDR23]. **rho** [CHH+20]. **ribbon** [CMRS00b, HSSB13]. **Ribiére** [YZBJ21, BKG15, MA22]. **Riccati** [Arn97, BBZ95, BEQOR14, BHW23, CXL16, DI11, FWC16, GW24, Guo13, Guo16, GL23, Jbi03, Sti18]. **Richard** [Ano00d, BC22]. **Richardson** [ABL...12, CR96a, Chk20, CFS21, KR20, Sid17, XWY19, dC20]. **ridge** [XLC93]. **Riemann** [BX19, CA22, CRV91, LK20, lLHNS23, NPR08, QW08, VLCL16]. **Riemannian** [EKPU23, IS22, KC24, KLW+23, NH24, Ovi22, TTXZ23, YZBJ21, ZYBJ23]. **Riesz** [BM23, Caç10, CY19, LLAL21, LWJ21, SLA11, WSLL24, ZYW23, ZLZ22]. **right** [BEHS20, BF14, DMD16, Fue07, Hey01, HE05, KBCG13, TT21]. **right-hand** [BEHS20, DMD16, Hey01, HE05, KBCG13, TT21]. **rigid** [PPR15, TCOA19]. **Rigorous** [Dze15, Joh15, Not22]. **rise** [CGM93]. **rising** [TA24]. **Ritz** [Ema96, IDS16, MT19, RR98, TM20]. **river** [BM24a]. **RK** [BH05, IKMS24]. **RKN** [LDW18, LWS18, WW19, YZY+14]. **RKN-type** [LWS18]. **RLW** [LKQ23]. **RMPIA** [MS23b]. **RMVPIA** [EEM20]. **RNN** [SDL+23]. **Robin** [Rab23, ZBX21]. **Robust** [BE17, KN18, LZ19a, SKJ+18, YYD14, BPR22, BDN17, CK24, CL10a, Cou15a, Cou15b, HS21, KP16, KK12, LAN18, LP20, LLC20, NH24, YM24, YQM16, ZZY24, dFO11]. **robustness** [KC23]. **Rogers** [HLM04]. **role** [MT15]. **Romanovski** [ZAGD22]. **Romanovski-Bessel** [ZAGD22]. **Romberg** [JC04, dC20, dC23]. **Root** [MS01b, BCMT18, BHM05, BC17, CCV23, GL20, Hig97, Kol06, LK20, PR14, PH20, QAS+24, SS24b, WK17, ZXRL11]. **root-finding** [BC17, PR14, PH20, QAS+24, WK17]. **rooted** [ZYW17]. **rooted-tree** [ZYW17]. **rootfinder** [BF00]. **rootfinding** [LC14]. **Roots** [Rec01, BCM16, BDS00, Cam19, CL11, CN17, DY93, FS20, GH10, Gar19, GI10, GHPMGRR14, LMMH11, MLM19, RG10, SS12a, SSH20, TTV21, ZCT19, ZCS14, dS00, dDS00]. **Rosenau** [LKQ23]. **Rosenbrock** [DBTG24]. **Rosenbrock-exponential** [DBTG24]. **ROSEXP** [DBTG24]. **rotated** [BL23, LM19, SST08]. **rotation** [PPV09, Saa23]. **Rothe** [BCJ24, MZ19]. **rough** [Bro05, HLS10]. **round** [AMM17, KL17]. **round-off** [AMM17, KL17]. **Rounding** [GL04, dC20, ZWLZ24]. **Roundoff** [Ihs07]. **routines** [Gau10, OOOR12]. **row** [AH14, EKPU23]. **row-action** [AH14]. **row-sparse** [EKPU23]. **rows** [ST18, Sid94]. **RPIA** [MS17]. **Rule** [BD04b, Boy05, BD10, BHNS16, BC92, Bou17, CC12, For21, NAE22, TB19, YWYN22]. **Rule-of-Thumb** [Boy05]. **ruled** [WZZ07a, WZZ07b]. **Rules** [GST03, INR01, dABR01, AHR21, AAPR21, AC94a, AR18, BDL+12, BLS92, BPR20, CSI18, DDRS23, DK00, FMD18, GSZ22, Gau14, GPGVS92, GS95, HKKN12, KXXW21, LMV23, MFPG07, Mon01, RR13, SH22, SH23, TS18b, VPL97, WL00, Zag92]. **runaway** [SSH+19a]. **Runge** [KM19, AMCM06, AH15, AMM17, AMM18, BJ98, BS14, BB14b, BD98, BC99, BJ04, CGPM00, CMR03, CT10, Che14, CQLY15, Che16b, Con93, CDI14, DJ10, EH97a, FYM14, FYYW19, FHL21, JT96, Jat15, Kha14,

KFK+24, Li17, LG19, LT20, ME92, MV02, MC08, MKS18, MHA16, PFT98, SQG13, ST21, SZ24, TX19, Tir02, TCW14, Tsi07, TÖ17, VH12, VV11, Ver10, Ver14, Ver24, WG13, Wri02, XT16, ZYQ+21, Zha24, dS24, vSv94].

S [Ano00d, GLRSG08, RS20, LL20a]. **S&P** [AWL+24]. **S-QN** [LL20a]. **S.S.O.R.** [MS02, SMB02]. **Sabin** [Rip93, WD95, WD96]. **Saddle** [LS03b, WSY04, BBS20, CZ14, CC15, CM16, DYW16, tFZyZ16, HT21, HWXC17, HM18c, HWXC18, HWXC19, HM19b, Hua20, JWCZ21, JCH23, KM17, KKO17, LM17a, LZ15, LZ18b, LXZZ21, LZ22d, RCW22, SM17, ST22, SCW17, WZ13a, WDL16, XM16, YDWL15, ZRZ11, ZWY22]. **saddle-point** [DYW16, HT21, LZ15, LXZZ21, YDWL15, ZRZ11]. **Safe** [PHI98]. **Safouhi** [SS14]. **Sahalia** [LGL23, ZWW21]. **Sahalia-type** [LGL23, ZWW21]. **sample** [DWX17, JB22, JR20, JSZ22, KKV22, KJ15]. **sampled** [BW93]. **sampled-data** [BW93]. **samples** [AAAGAD23, BT23]. **sampling** [Ash16, AAA17, Ash19, AP21, AAH24, Gor18, Kow00, LX17, Man07, MW24, MN23c, Tam10, UTO07]. **Sandro** [BT14]. **sandwiched** [DMYT23]. **Sard** [Ehr97, HMS11]. **Sard-optimal** [Ehr97]. **satisfactory** [DGST15]. **satisfying** [Bag16, CG09]. **SAV** [HZX21, JY23, LZZ23]. **SB** [DLL12b, DLL12a]. **SB-matrices** [DLL12b, DLL12a]. **scalable** [DHV22]. **scalar** [CZ20, DHV22, Kac18, LMUZ19, LL22c, PGGCGF11, Sat24a, Sat24b, XT16]. **Scale** [Boy05, GSA03, Hea10, AAB13, AN17, Ali23, AKB15, And22, AG00, AG23b, BLW09, BPS23, BEH24, CH22, CC13, DS20, FGS24, GHN19, Guo16, HJ18a, HRY19, JNS19, KW00, La 17, LWwCL13, LZ21, fLxX12, LL18, Md12, RRS09, RR98, RR00, Rog95, ST22, Sti18, WCLW16, WYP23, YCL17, Zha20, ZW20]. **Scaled** [DMA19, KZ03, LZ21, And18a, BKA19, BE20, CL21, CS24, ODL21, Zag24, ZW22, ZLWQ09]. **scales** [Zaf22]. **Scaling** [GPP01b, LG04, Ari98, BK16a, Fly22, LZ18a, LZ22c, VGV06]. **scan** [BKPS93]. **scatter** [HHLS21a, HHLS21b]. **Scattered** [Rip93, AF94, Bro05, CF96, CK05, CDD13, CM05, GI97, Hof05, IL05, LW20, Nar05b, Sch08, WD96]. **scattered-data** [Nar05b]. **Scattering** [ZKD02, ZKD04, BE98, GH06, GH09a, HLS10]. **Scheme** [Dum03, EGSV04, SS03, ASGGRG23, AUA22, AE09, BCL00, BS17, BF20, BW15, BZS22, Bra06, Bra07, CL10a, CEX14, CXL16, CSZ22, Che22, Che24, CV15, CJKL23, CJ20, CMP22, DL21, DMYT23, DZ19, DZ22, ETY98, GLLJ12, GD15b, HHST19, HKE97, HP18b, Hei07, HMS96, HL20, HSY23, JJ24, JLFL19, KN23, KLF17, KLB10, KK17, Laz99, LWD23, LZlL20, LlLZ21, LL22b, LKQ23, LKBF17, LW17, LS20, LWZ23, LCZZ23, lLXhL22, LV18, MMW20, MWZL23, MClXzJe16, MA13, MN11, Ngo23, PKR20, Pen98, RF23, RR22, Son93, Str05, SZ20, SzS21, SYZ22, VA20, WLL12, WG13, WH15, WYZ22, WQZH24, WC24, XCY21, YZZL17, YH24, YYLX23, ZP17, ZSF18, ZQzS22, ZYW23, ZY23, ZSLZ24, ZZ10, dFO11]. **Schemes** [AKW02, ABQ04, CC03, MM04, ADG10, AABM08, ABT07, ALRT16, ARTY20, AHS22b, AMM17, AMM18, AK16, AH18, BCST14, BF18, BP22, BC01a, CF05,

CCS05, CLTA10, CS22, CLPY23, CG19, Cui13, DL08, DCW23, DFD23, DK00, DXY18, FS23, GB21, hGzS17, Haj16b, HHHN07, HZX21, HKCW24, HTVY13, IKMS24, KP96b, Kie23, KMV17, KM19, Kun05, LR18, LZM23, lLLVZ17, LZW20, LWJ21, LDL+19, Liu21, LL22c, MPS20, Met19, MP22, NT21, OCWV24a, OCWV24b, PS17, QQX23, ST17, Sti18, TS15, WWBM21, WSLL24, YZLZ22, ZJWF18, ZYQ+21, ZQS24, dC20, iV12, AHS22a].
Schmidt [CFM15, Sal05]. **Schmidt-like** [Sal05]. **Scholes** [AWL+24, KN23, Val14, Val15, ZZ22b]. **Schröder** [GL20, SSH19b, SSH20]. **Schröder-like** [SSH20]. **Schröder's** [PP18]. **Schrödinger** [AM21, AT19, AKKT16, BX17, BH92a, CZ23, CG20, GJVW24, KLF17, Lam09, LHW17, LHZ20a, LHM20, LKBF17, LZW20, LWZ23, Lor19, SZ23, SKTGR19, WH15, WZ19, WWBM21, WLZ22, YJ21, YSLL23, YL22, ZHT15, ZJWF18, ZTZZ19]. **Schrödinger-=Helmholtz** [SZ23]. **Schur** [BBL23, BKS23, Cao12, ED22, GI10, ST18, Thr92, TA13, Zaf22, ZS08]. **Schur-like** [ED22]. **Schwarz** [CZ95, BX17, Cal20, CZ94, CZ96, CGV22, CTS09, CK22, CG13, DL09, GD15a, GL15, Hei06, LS14, Lui02, NG23, Rah11a, ST99, SME03, TPLB22, ZJ14].
science [Ste20]. **scientific** [CR00, Che94, YZ17]. **SCLCPs** [SD20]. **Scott** [LWD23]. **SDE** [AH15]. **SDEs** [HH11, HY21, HSY23, Ste24, SYZ22, VH12]. **SDFEM** [LZ18c]. **SDIRKN** [FGR01]. **SDO** [Khe12b, WZ11]. **Search** [GPP01a, LPV03, AAN14, AK15, BKR18, BBBC23, DW12, Deh20, GZ11, HWC15, KOK21, KJ15, LZ18a, LLL18, Liu11, LM13, MS11, Ovi22, SD20, SW11, SM10, TH19a, WZ16, WCD21, YIY22, Yan22, YLL22, Zha24].
searches [GS21]. **seawater** [SMNZ20, SFZ22]. **Secant** [AH12, KGMH21, SXHZ20, And10, Arg10, Ari98, Zha20, AR09]. **secant-like** [Arg10]. **Secant-type** [AH12, KGMH21]. **Second** [AH21, BH05, Che22, CS22, DBTG24, Fun01, MHA16, The97, OI14, PW04, Si12, SFT03, WQ23, Xu19, AR24, AHJ22, AK12, AM16, Arn97, AAD14, BK13, Bra07, BV09, Cai22, CEX14, CW14, CQLY15, CC18, CLPY23, CKKT16, VV07a, VV07b, DD21, DB06, DK00, lDzS21, EGSHVN15, HH11, HP18a, Hea10, HSTW14, HWZ24, Hun95, IR13, JL12, KMZ18, KS20, KK17, LW13, LW16, LR18, LHR20, LHZ+21, LlLZ21, LZOY22, LZM23, jLyLqW17, LWS18, LDL+19, LW22, LWZ23, LXP20, LV18, ML20, MAH22, ME95, MWZL23, Mic93, MWWY13, Pan18, PP18, RKMS16, RF23, REM21, SW19, Sho18, SYLT14, SZ20, SzS21, TX19, VTV22, WK16, WHZ+18, WWBM21, Wan22, WQZH24, WLJ24, WLY+21, WWM21, XYZ14, XZZ22, XH21, YZLZ22, YYL15, YZY+14, ZP17, ZYW23, ZXLF15, ZLS24, vdHM98].
second- [DD21]. **second-derivative** [CKKT16]. **Second-Order** [Fun01, Che22, CS22, DBTG24, WQ23, Xu19, CQLY15, CLPY23, VV07a, VV07b, DB06, lDzS21, HP18a, HWZ24, KMZ18, KS20, LW13, LW16, LR18, LHR20, LHZ+21, LlLZ21, LZOY22, LZM23, LWS18, LDL+19, LW22, LWZ23, LXP20, LV18, MWZL23, MWWY13, Pan18, RF23, SW19, Sho18, SYLT14, SZ20, SzS21, VTV22, WHZ+18, WWBM21, Wan22, WQZH24, WLY+21, WWM21, XYZ14, XZZ22, XH21, YZLZ22, YYL15, YZY+14, ZP17, ZYW23,

ZLS24, vdHM98]. **seepage** [CW17]. **Segel** [KKA17]. **Segmentation** [GLV05, dADdRC04, FLG08, GLRSG08, LAG05, RC14, SMA99, XW17]. **segments** [CCV07]. **Seidel** [DLL+24, MS24b, RWTM21]. **SEIR** [ALB+18]. **Selected** [Mil13]. **selecting** [OOO11]. **Selection** [CVA01, Cse04, MT04, ABT07, BG11, CPZ14, Kac18, Len93, LXP20, Moo07, SS21, WCM94]. **selections** [HWCR19]. **Selective** [HT19, RC14]. **Self** [AV19, TKSG23, Bno21, CHY19, FSY23, GNS22, GHM24, HK14, JA22, LZ22c, LG95, PV22a, RFS23, RTTH22, RT24, TG20, TA13, TN10, ZH19, ZW15]. **Self-adaptive** [AV19, TKSG23, Bno21, CHY19, FSY23, JA22, RFS23, RTTH22, RT24, TG20, ZH19, ZW15]. **self-adjoint** [GNS22, LG95]. **self-consistent** [HK14]. **self-referential** [PV22a]. **self-referred** [TN10]. **self-scaling** [LZ22c]. **self-similar** [GHM24]. **Semi** [LW04, LZ15, LZ18b, LDC10, SS03, BIM+23, CC15, CL13a, CLWH20, Cro92, tFZyZ16, FSY23, FM93, Van12, HDP18, KH11, KR07, LPXX19, Maj13, MM08a, MFK+15, MSMS12, PW22, SS12b, SH21b, SH22, SH23, SS24d, TO21, TB19, YWX14, YBK+21, Zah09, ZZ19]. **semi-analytical** [MFK+15]. **Semi-Classical** [LW04]. **Semi-convergence** [LZ15, LZ18b, CC15, CL13a, YWX14]. **Semi-definite** [LDC10, tFZyZ16]. **semi-discretizations** [FSY23]. **semi-finite** [Maj13]. **semi-implicit** [TB19]. **semi-infinite** [BIM+23, Cro92, FM93, KH11, LPXX19, PW22, SS12b, SH21b, SH22, SH23, TO21, Zah09]. **Semi-Lagrangian** [SS03]. **semi-linear** [CLWH20, Van12, HDP18, SS24d, YBK+21, ZZ19]. **semi-porous** [MSMS12]. **semi-regular** [KR07]. **semiaxis** [DFD23]. **semiclassical** [AKKT16]. **semicoarsening** [PV00]. **semiconductor** [NAR05a]. **semidefinite** [HBP13, Ke21, Khe12a, KOK21, Lin16, LCW21, MR09]. **semilinear** [CJ20, HZX20, KLL10, LSW16, Vul97, VT10, WW19, XH20, XWX24, YM24, YZ11]. **Semilocal** [CWL16, HVMT17, HM14, Jai16, WGK11, WKG11, WK12, WK13, WK16, WK17, ZG12b, HVM15, Hua94, Iva17, LLL22, QAS+24, ZG12a, Jai17]. **seminorm** [Zha95]. **seminorms** [HS12]. **Semiseparable** [FG03a, MVV05a, VGV06]. **semismooth** [SR06, SZX11]. **sense** [CSI17, Dax09, HMS11, KC23, Lei15, LL22a, TS18b]. **sensing** [HLL22, LWLW24, MJJ+23, SIO20]. **sensitivities** [CE17]. **Sensitivity** [Kow00, MW98, EHNR23, Han22, Hua18]. **Separable** [FLMR00, AG23a, CsL24, MM12, SY20, SXHZ20, SW24b]. **separated** [BDN17]. **separating** [AK15, CL10a]. **separation** [WLJ24, YC22, ZS19, dC23]. **September** [BV96]. **septic** [KK22b]. **sequence** [BDJ11, Ben97, BS92, CHHL18, DM92, GM96, Hom94, Hom98a, MdR08, Mia19, SS12b, Wen92]. **Sequences** [CP01a, AH13, AG13, BD20, BHJTM92, BCJ24, Chk20, CL13b, Don12, EHTSM21, KJG23, LM08, LM12, Ngu16, Osa92a, Osa92b, Pep23, PP06, Sab91, Sab92a, Sid20a, Sza92]. **sequential** [CM16, PSZ23, PN21, XP23]. **serendipity** [AW23]. **seriation** [CFR19, CFRV23]. **Series** [Boy05, Bre04, FHAL15, LW04, Mas05, Maz02, Mül00, NKS04, SVZ01, AHM21,

BBM08, Bou06, But19, CGV92, Cha14, CW08, Esp05, GL20, HGVPA92, Hom92, Hom98a, LGA+00, Mil95, Mor11, NW17, Now19, Pas95, Pas08, Pry98, Sab92b, SL21a, Sid07, TBA94, VGM96, Vep08, VSA12, WWL24, dDL92, dS24]. **Set** [BL04, Góm01, AHL20, ABM10, AH08, Góm99, GLV05, JB22, KD18, LAG05, LL22a, Nor00, PCDH20, Pop15, Pop18b, RT22, San19, SSH19b, TS18b]. **set-valued** [AH08]. **Sets** [FH04, KLT03, MKO04, ASW06, Buo17, BF93, CKO24, Caç10, CG09, CDD13, zDYG18, DMD16, FHH05, GGN14, Gar24, GJV17, GHM24, KKV22, Kol06, KGN+24, LNS23, Mar92, Ple12, PN21, RTTH22, TKSG23, Tan20, Wan18, Zas22, dB07a]. **setting** [HL06]. **seven** [Kim21]. **seven-direction** [Kim21]. **Seventh** [WZQT15, NBK17, SA14, WZ13b]. **Seventh-order** [WZQT15, NBK17, WZ13b]. **Several** [SLL22, APPR14, AT17, AAH24, Che13, DFP+10, DGP15, Gal18, ZWFY19]. **SGEM** [LT24]. **shadowing** [CKP97]. **Shallow** [vdHS02, PS20]. **Shanks** [BRZ19, LCHH21]. **Shannon** [Tam10]. **Shape** [BG91a, CP01b, LM01, CKS24, Ell93, FZ07, KK00, LMM97, ZS19]. **Shape-Preserving** [CP01b, LM01, KK00]. **shapes** [SST08]. **Sharp** [CSZ22, JLMP16, LZlL20]. **Shaw** [CLPY23, CJKL23]. **SHBVMs** [ABI20]. **shear** [WWD+12]. **shells** [PS20]. **Shift** [ED13, LLD23, TK94, BS17, BKS13, Fue07, HWXC18, LM19, Plo94]. **Shift-invariant** [ED13]. **Shift-splitting** [LLD23, HWXC18, LM19]. **shift-variant** [ED13]. **Shifted** [Don10, Tan17, EHTSM21, KM24b, LWJ21, MAK20, Plo93]. **Shifts** [Che04, BF14, Bro05, CDT10, DG94, MVVV24]. **Shishkin** [CGL99, FLR01, LZ18c, ST98]. **Shishkin-type** [FLR01]. **shock** [AC17, VN18]. **shocks** [KMV17]. **Shohat** [dR99]. **Shooting** [AMM11, CW17]. **short** [Aih17, ACF99, BD17b, CG13, DPR23, GKQ24, LS11, Sab92b, Sch17, WXQ20]. **short-memory** [BD17b]. **short-pulse** [WXQ20]. **short-range** [GKQ24]. **short-recurrence** [Aih17, Sch17]. **should** [JB22]. **Shrink** [Bün18]. **shrinking** [THT19]. **shrinks** [SSH19b]. **Side** [BKPS93, BEHS20]. **Side-scan** [BKPS93]. **sided** [BZV16, HZPW23, HLTA16, RSCH+19, Sch17, VZ93]. **sides** [BF14, DMD16, Hey01, HE05, KBCG13, TT21]. **sideways** [ZL22a]. **Sidi** [VPL97]. **sign** [BBQO07, BQO99, BEQOR14, KL94, Mit11, SWS22]. **sign-based** [SWS22]. **signal** [ABK22, ABKD23, AB23, Bea96, OB16, ZY21b]. **signals** [Cic20, CHH93, Gor18, GLW13, LGP11]. **signatures** [Thi93]. **significant** [ZA24]. **signum** [YP09]. **silent** [Meu23]. **Similar** [Mel10, GHM24]. **similarity** [FHAL15]. **Simple** [BD04b, DD21, FGL19, KSB08, NS01, RSZ20, dABR01, AN17, BESC22, CD15, CN17, DN24a, GQ09, LZ22a, NP22, SSK23]. **simple-loop** [BESC22]. **simpler** [AEH20, JR10]. **Simplex** [CD01, CD07, JKK+08]. **simplices** [CvPS15]. **simplicial** [AMM16, FS20]. **Simplified** [AR18, Khe12b, AMM18, BRZ17]. **simulate** [AD22]. **Simulating**

[AB98, BBL22b, LRC19]. **Simulation** [AA03, TE03, AF13, BGL07, GS19c, Gro93, KS18a, KR23, LNS23, MBR21, NPS09, Pen98, SLLA15, ZLT+17, ZZ22b, ZTZZ19]. **Simulations** [MHZ05, Sha02, GKQ24]. **simulators** [SR22]. **Simultaneous** [All03, BG03a, KLSS14, LXX23, BL92, Bel94, BM06, CCL18, PHI98, PM05, PMM11, Pié99, TPY14, dDL92]. **Simultaneously** [Rec01, Iva17]. **Sinc** [AT19, SGK+99, Ash16, Ash19, Ber07, Ber11, EG18, HA16, KPT23, TBY13, RMT13, RBN14, ZS13]. **sinc-Galerkin** [EG18]. **sinc-Gaussian** [Ash16, Ash19]. **sinc-interpolation** [Ber07]. **Sinc-regularized** [AT19]. **sine** [AA15, Bra06, DCW23, FSY23, HH05, Hem94, HFDSC24, HKCW24, Mac96, RM11, Saf10]. **sine-Gordon** [Bra06, DCW23, FSY23, HKCW24, RM11]. **Single** [PP16, Car92, KR11, XW18, ZFC18, PP17]. **single-step** [XW18]. **single-valued** [ZFC18]. **singly** [BD98, BC99, Che14, PFT98]. **singly-implicit** [BC99, Che14]. **Singular** [AZMJ04, AC94a, AKW02, AKKW03, Bel03, Boy05, DM98b, MO04, RR23, AWH+24, ABL...12, AAA24, AKPW05, Bar91, BG91b, BD00, BKL10, BRMG18, CM15, CA07, CZ14, CC15, CC16a, CvPS15, CGL99, DTI09, DYW16, EG94, FLV14, Ghe15, GHM23, GHM24, GKV23, HT21, HYW20, HWXC19, HJ21, JP14, JNS19, JLZZ23, KM24b, Kel07, KHM20, LS15a, LDH23, LZ15, LZ18b, LWN13, ML20, MsC20, MH23, Maj14, Mar93, MVV05b, MN08, MMLM20, ML10, Mor17, NIN12, NS24, NSM20, Osa92b, RB17, SP21, SL15b, SL15a, SHLY18, SY20, Smo99, UTO24, VBG96, Vul97, WZ13a, WQL20, WHD22, WLJ24, YKY15, YWX14, YDWL15, YLY12, ZZ17, ZJJW24, ZXF14]. **singular-value** [AWH+24]. **singularities** [EAGS20, Gau12a, Gau13a, Gau13b, Riz18, SL16, Tuo98, Wan24, XCLA15, Zha23]. **Singularity** [WLJ24, HCL21, Kol06, CL10a]. **singularity/nonsingularity** [Kol06]. **Singularly** [Bog02, AE09, AA09, BPR22, BS17, Bog13, CEX14, CXL16, CL93, CJ17, CG19, CJ20, CVX16, Das19, EA12, GO06, GO21, HCXL20, KXXW21, KS20, KK12, KK16, KK17, KKS22, KKS24, LS15b, Lin09, LRZ12, LLC20, LZ23b, LZ23c, MS24a, MN11, NMM18, NV21, OQ12, Rad08, RS20, RBN14, SN22, ST99, Tem08, YM24, ZL22b]. **SIS** [YLYZ23, YH24]. **Sites** [KV04]. **Sivashinsky** [MK17]. **six** [KS20, Poc14]. **six-step** [KS20]. **sixth** [CHMT10a, He16, KCBT21, KL06, MClXzJe16, RWB09, WKG11, ZG12b]. **sixth-order** [He16, KCBT21, KL06, RWB09, WKG11, ZG12b]. **Size** [CVA01, ASHF21, BHS23, CMR93, CO19, FEL15, JR20, KJ15, KS06, KLR07, Lóc18, Ma20, Mal21, NAE22, PRVI20, Ste24, TG20, VH10]. **sizes** [MJ20]. **SJSGM** [KM24b]. **skeletons** [Lun23]. **sketching** [RN21]. **skew** [BCW13, Don10, tFZyZ16, GV00, HM18b, PG15, WL17, XHZ07, XM16]. **skew-Hamiltonian** [BCW13, XHZ07]. **skew-Hermitian** [tFZyZ16, PG15, WL17, XM16]. **skew-symmetric** [Don10, GV00]. **skewcirculant** [Huc92]. **Skewsymmetric** [HR03a]. **Slevinsky** [SS14]. **slicing** [CR12]. **Sliding** [GH23b, GGN18]. **slightly** [LCW20]. **slowly** [Sab92a]. **Smale** [MA15]. **Small** [DWX17, FLT09, LZ23a, PW16, ST22, VH12, VGV06]. **Smith**

[GSA03, LWwCL13, MK94, MK97]. **Smoluchowski** [Str05]. **Smolyak** [Gaj05, Pet01, PW04]. **smooth** [BDH+13, DLR12, GH22, GH23b, HV22, KM24b, Lam09, LLS11, MH21, ML22, MMLM20, PV22a, Śmi06, SC18, Tru24, Wan19, YL16, ZA20, ZLLH22]. **Smoothing** [CR14, DXY18, WD96, BG24, BL93, BL95, BP93, DZH23, FY19, HLC15, LX24, MRS93, SG18, Wan24]. **smoothness** [Iid24, MG22, Zhu21]. **smt** [RZR12]. **Sobolev** [ADA07, BBR03, BHS17, CGM12, DM14, DHM12, DGP15, GAM24, God15, HHLM23, HSL19, Kow00, LCGH23, LPP21, MP22, Rei97, Ron92b, YZ21, ZQzS22]. **Sobolev-type** [DGP15, HHLM23, HSL19]. **Software** [BHNS16, But02c, Coo03, Enr02, Vig04, ATM19, AM24, BRZ17, CDW95, DCM+13, DCMM13, DHJJ10, KP96a, LP13, Mac96, Mil20, RZ99b, Stu97]. **Solar** [Sha02]. **solely** [HV22]. **solenoidal** [Han93]. **Solitary** [Nat07]. **solitons** [ZTZZ19]. **Solodov** [DMT22]. **Solution** [AMR23, AEG02, Bog02, Boy05, CM01, CMR03, FKMS01, GMT92, Jay02, Mar04b, MN08, PV03, AR24, AAH20, AR13, AHC05, ASS13, ABI20, ASGJ+20, AH11c, AH18, AAD14, BOP98, BOL98, BC06, BEQOR14, BHW23, BT14, BBP17, BZS22, BEH24, Bra07, BE98, BMR19b, BIMR19, Bru93, CGPM00, CB16, CA07, CLGS17, CL05, CW14, CFL19, CNR15, DMA09, DS09b, DMD16, DW97, DB06, DHV22, DI11, Fab16, FWC16, FH15, FS01, FH00, Gha16, Gha18, GK20, Góm99, HT16, HT23, Han96, Han94, HYW20, HCL21, HP18a, jHyPlZ06, HFZ19, HRY16, HM18a, IJE15, IJSS16, JVH15, JRRS08, KP16, Kac18, Kam15, KM24b, KL17, KS20, KS12, KS18b, KR20, Lee94, lLhYfD07, LM14, LA22a, LTFL10, LG95, MB09, MN23a, MD21b, MKA14, Mar93, Med10, MZW20, Mic23]. **solution** [Mil20, MDL15, MA13, MMLM20, MR96, ML10, Nac99, NLT21, PED15, PV00, Pis16, PPR15, Pop15, Pop18b, Rab23, RC14, RR20, RGJ10, RM11, RMT13, RT19, RT22, RR98, RR00, SW00, SLA11, SY20, SS15, Sho18, SKTGR19, SDMMK18, SMA99, TS18a, TA24, USAF14, WLL12, WMCW21, WK93, YHQ19, YLD11, YYLX23, YYD14, ZR17, Zaf22, ZE12, ZM94, ZZY18, ZZ22b, ZL07, ZE10, dAFPR23]. **Solutions** [BS04, CGL01, EKM03, Gra03, HEOS04, MO04, NW04, Rec01, SFT03, WWD+12, AGS08, AS10, AM24, AAIT94, AAII96, Ant22, Arn97, BDN17, BDV18, BC14, Bel94, Ben99a, BGS24b, BCJ22, Bou06, Caç10, CLWH20, CMWP20, CZLS18, CMP22, DS09a, DGST15, EG10, Eba18, Eft15a, Eft15b, FHAL15, FS16, Gar24, Ghe13, Ghe15, Ghe16, GCPG99, GPAA14, Van17, GL19, HJ18a, HV15, HV22, Hua96, HM18b, HM19a, HZX20, ICR06, JP14, JS21, Kar15, KSCS07, KKO17, LS15a, LRL22, LM21, MH21, MV13, MV14, MW98, Met19, MS11, Nat07, NJ13, OIM21, OKP21, hPwL09, Pen13, PV98, QLZX11, SS24a, Sho18, SKTGR19, TLD+23, TY21, Tom11, TN10, VSA12, VN18, Wan19, WSZ21, WZ23a, WWL24, YHZL21, YXL18, Zah09, ZA20, ZLLH22, ZLH22, aZ19b]. **solvability** [Le 98, WCW20]. **Solve** [PG05, AS11, ANA14, DP21, DW21, KSB08, MD21a, NAA19]. **solved** [SDL+23]. **Solver** [Pop04, Som05, AF13, AR10, AVI97, BPS23, BW15,

BBd95, EH97a, JRB17, Kub15, LZL20, MC05a, PV00, TY96, YYW21]. **solvers** [AMKV96, AAA24, DSS14, EY10, GH09c, GKV23, GRT97, HL20, Jia20b, MHR23, NAR05a, NB16, PSW11, SS24b, Yal01]. **Solving** [ASS11, BAV18, BQO99, BH11, BD17b, BCV03, BKM03, BRSY21, CSFC04, EGSV04, EJR02, FY19, FT05b, GL04, Góm01, HSZ03, KM04, KSCS08, Kol04a, Kol04b, LZ09, Mai01, MM99, Mar04a, MS14b, PL04, Pié99, Pry98, SGM02, SM21, TRRD02, VRM23, ZS13, AAA$^+$18, AD17, AAM24, AIA$^+$24, AG23a, ATC16, AK12, AZ19a, AG19, ABI23, ATT21, ATT22, Arg10, AH10, AGS20, Awa10, BBS20, BMA16, BLW09, BGR23b, BD17a, BNN16, BB14a, Ben99b, Bhr16, Bic24, BM97, Bla15, BS19, DOT21, BSF17, BC16, BEH24, BZ24, BMS24, BK08, CSI16, CQ16, CMD19, CCTV23, CKS24, CS94, CHH$^+$20, CCL18, CL06, CM16, CC16b, CC18, CW19b, CH22, CHYH24, CH11, CRN19, Cho16, CRHTV24, CPS12, DWC18, DW24, zDYG18, DD21, DSI11, Dax09, DS20, Den14a, DHF21, DW22, DCW23]. **solving** [DMT22, DLYH17, DJG18, lDzS21, DLLD17, DLR24, Dzu13, Ema96, EH97b, ES19, EM07, Ess98, EGGSH13, EED19, FYM14, FHS12, FR18, FS23, hGzS17, GPGC98, GP99, GNH10, GM97, GH22, Hai09, Haj16a, HZPW23, HT19, Hem94, HVMT17, HSTW14, Hey99, HSE16, HRAH22, HASI23, HL23a, HWXC19, Hua20, IY15, IAAH24, IZ24, IDS16, IS17, Jbi93, JR20, JJ13, JWY21, JM18b, KBCG13, KKB16, KCBT21, KT07, KPA20, KLZV95, KZ21, LLAL21, Lei15, LMV00, LP18, LW13, Li17, LZ21, LLY22, LL22a, LLD23, LJ11, LZZ19, LDZ24, LZL22, LZL23, fLxX12, LWS18, LL22c, LA22b, LHW13, MBJ17, MB06, Meh11, Mil18, MDH16, Moo07, MLM19, MS13, MS24b, NBK17, NM14, NHP06, NRV23, NEMS14, OMU$^+$24, OAMA22, PKC18, Pea13, PYD23, PS16, Pie96, PS09, Pop21, PSS22, ROB17]. **solving** [ROB18, RKMS16, RSKB17, REM21, Ree92, RZ16, RT20, RTCL21, RTD$^+$21, RT22, RTTH22, RT24, RAH11b, RB17, SKA23, SS99, Sad99, SCD$^+$21, SP21, SSS21, SS11a, SEG14, SB21, SA14, SIE16, SI18, SDW24, Shi96, SCDM20, SS24c, SH21a, Śmi09, Śmi13, Sol11, SMN24, SXHZ20, SG23, SC18, TKSG23, TT21, TAM21, THF21, TQC22, TG20, TH23, Ter22, TH19a, TH19b, TTLD20, TSI20, TDC21, TRSI23, THT19, VPA24, WZ15a, WZQT15, WDL16, WHD22, WXT22, WB17, WC13, WWM21, WCD21, Wu22, XW18, XLW20, XCD23, wYN18, YL19, YLL20, YF22, YZY$^+$14, YJX15, YP09, ZTW19, ZH22, ZLG$^+$13, ZY13a, ZFC18, ZYX19, ZLL$^+$21a, ZLH22, ZWXX24, ZLV17, ZV19]. **Some** [BO03, BS92, BRZ20, CC07, Cro03, Dum03, GP14, HM18a, HSS04, IMT02, Le 98, LZ14, LCVL18, LDL$^+$19, LM15, Lu15, MAL04, MM08b, MM09a, Mat96, MS13, Pas99, Pas03, PV03, SGO22, Smo99, TH19b, VC92, XZZ19a, ZW15, ĐK15, AHJ17, BD09, BBC21, BF17, BV99, BDS00, BRZ96, CK05, CS99, DL08, DSI11, Die08, Dra00, DLLD17, EDAH12, EP97, GEP19, Gau11a, Ghe15, GCFF95, HH11, HR00, Hua96, Jay21, JJK97, KC23, KK16, Leo08, Lin98, LSG15, MSCB93, Mon96, NHP06, NT21, Now06, Now13, OQ12, Osa92b, PS16, PP92, RR08, Sab92a, ST18, SKTGR19, Sid20a, SX00, Tam10, Tem08, WG99, Wim00, Yal01, dAR06]. **sonar** [BKPS93]. **SOR** [CHYH24, MSZ20, Nie00]. **SOR-like** [CHYH24]. **Sormani** [BD10]. **sound**

[DR07]. **source** [HV22, KLB10, LSZW19, LL20b, MT93, PED15, SMNZ20, YPL21, YXS22, ZR17]. **sources** [CKL16]. **Space** [And14a, CP01b, DG05, AD22, ADG10, AR13, Bag16, BAV18, BGS24a, BKF20, BZV16, BZS22, BHS17, BIMR19, Cal20, CE94, CY19, CX20, CL21, Dam08, DN24b, FZL+16, GSV96, HZPW23, HCL21, HL23a, HLTA16, HL17, HL20, JZF+20, JWZ23, Kaz24, KLF17, KMA13, Kuh13, LLAL21, LLX20, LKBF17, LZ09, LWJ21, LRM16, MDL15, MSS11, Not22, PNW17, Pot19, RZ16, RTCL21, RT24, ST22, SS24a, SLA11, SDW24, SYLT14, TM10, VLCL16, WLMA21, WSLL24, WCD21, YL19, YZL20, YPL21, Zas22, ZWFY19, ZJWF18, ZJZ20, ZBX21, ZYQ+21, ZZ22b, ZYW23, ZY23, ZZB20, ZYLN18, ZXL23]. **space-fractional** [BKF20, CL21, HZPW23, HCL21, HLTA16, JZF+20, Kaz24, LKBF17, PNW17, ZYQ+21, ZYW23, ZZB20, ZYLN18]. **space-Riesz** [CY19]. **space-time** [BIMR19, FZL+16, LLAL21, Not22, SS24a, ZXL23]. **space-time-dependent** [JWZ23]. **Spaces** [Mar04c, AUA22, All18, ATT21, AT21, BEL23, Buo17, CSI16, CSI17, CA07, CRN19, Cho16, DLR12, Dah93, DL18, DHF21, DKL15, ER19, GGNF17, GAM24, God15, GK24, HKPW19, HM14, IAH20, IUM+19, Jai16, Jai17, JA22, JM18b, KD18, Kow00, LP18, LLL22, LCL21, MWsC19, MAL04, Maz99, Maz09a, OAMA22, PKC18, PG12, PDRG19, RT20, RTTH22, RZ23b, Rei97, SSS14, SCD+21, SIE16, SLD20, SC18, SCS18, TAM21, Tak17, Tan20, TB19, TLD+23, THT19, VA20, WGK11, WKG11, WK12, WK17, XCD23, YAT20, Yse99, ZG12a, ZG12b, ZCTD24, van93]. **SPARK** [Jay02]. **Sparse** [ABG97, BP19, CP00b, De 02, DR01, HL03, HL15a, NZ19, The97, AA15, BDN17, Bai97b, BG91b, BF99a, Bou17, BRSY21, CCW21, CL96b, DDRT97, EKPU23, ED22, FS20, FP18, FGS24, GSZ22, GG98, GHP+00, GLW13, HL06, HP18a, HIK17, Jón93, KKV22, KD14, KMA13, LWC+21, PLH20, PW16, PWCsL18, RWTM21, SS99, Sch14, ST18, SI13, Spr98, Spr01, TYSY20, TL23, UL18, VBG96, ZY21b, ZZLV23, ZXL23]. **sparse-grid** [Bou17]. **sparsity** [DHMS16a, LZ22b]. **Spatial** [KK00, DZ13, FNS19, FHC21, He16, KPT23, MS24a, OKP21, PYD23, YWYN22]. **spatially** [GA20, MM22, SYLT14]. **spatio** [HOW95]. **spatio-temporal** [HOW95]. **SPDEs** [NT21]. **Special** [Ano95b, Ano17, DJS20, FH05, GST03, CP93, CP95b, CJTW96, GG08, HVMT17, IY15, LHZ10, LW16, Ter23, Tom92, XX16]. **Special-purpose** [FH05]. **specified** [ANI15, KP96a, LM97, OO22]. **Speckle** [WHZ+18]. **speckled** [CTS09]. **Spectra** [BG03b, PP05]. **Spectral** [ABI23, ALZ20, Ano05b, BD09, BO03, BK04, BFGM03, DG05, DR01, EKM03, GHM08, Ghe16, GK21, HM19b, KJO23, LS03a, jLyLqW17, LRGH02, MR02, NEMS14, PR10, PG05, TC05, Tem08, XZW13, YSXY19, AR24, AH23, Ahu09, AM21, ABI20, ABM10, AHC13, ACH17, ACH19, BD10, Bhr16, BZV16, BK18b, BMR19b, CMR16, CG07b, CB13, CC13, CFR19, CFK+20, DB06, DBAE09, DS09c, DK00, EV22, EED19, GS16b, GNT24, Gu20, Hei06, Hei07, HPS97, IAAH24, JRRS08, KP96b, KM24b, KBA23, La 17, Lam09, LRL19, LZlL20, LZ23a, LCH20, LSW16, Lya97, MR12, MT18, MG11b, MSMS12, Mot14, PP24, SLW13, SMK14, TTXZ23, VRM23, WLMA21, WC24, WZ15b,

YH21, YWZ19, YYW21, ZA20, ZAGD22, ZHT15, ZJWF18, ZJZ20, ZWX22]. **Spectral-Galerkin** [ALZ20, DB06]. **Spectrally** [BIMR19, GH06]. **spectrometry** [MvS09]. **spectroscopy** [MvS09]. **spectrum** [ACE99, CR12, Cao12, EV22, GNS22, KKK22, ZYBJ23]. **Speed** [FS01, BGRS09]. **SPH** [MFK+15]. **Sphere** [ASS03, NSS03, IP16, LK20, Leo07a, PSS22, TV19]. **spheres** [HL15a, Sun94b]. **spherical** [ALZ20, BBL22b, Xue95]. **spheroid** [TCOA19]. **spheroidal** [SHF15]. **Spline** [CMRS01, NSS03, Wri95, AB06, AZ19a, ASS11, ASS13, ART19, ACM93, AGN07, BDIR18, Bia94, BK13, BF17, BFKM20, BFK22, BL93, BL95, Bra96, CFR06, CW14, CCD10, DLR12, GGN14, GGN18, GZ18, Gau17b, Gha16, Han93, HM07, JJ24, KS18a, KR11, KS12, Kim21, Maz05b, Mic23, Mil17, PZL15, Plo93, Plo94, Poc14, RB21, RM11, Rei97, Tra93, UTO07, WZ19, WD96, XL14, ZR17, Zah09, ZE12, van93]. **Splines** [FKMS01, HL02, Kva01, MSCB93, NS01, PS01, AHR21, ALY22, BKPS93, BCM19, BV21, BR07b, BLS06, BM14, CH95, DDS93, DS15, DZH23, GLRSG08, Gre96, KK00, KP09, Kim21, KK23, Kob97, KR07, KL91, Kva14, Lai92, LMM97, Lev95, LRZ12, MRS93, MS01a, MST03, Maz09b, Maz11a, Maz11b, Maz12, Maz18, MRU91, MT06, MS96, Pow93, Rab92b, Rab92c, Rad08, Sch08, TM05, WD95, de 93]. **Split** [PKC19, WZ19, AAA+18, ALJLYJ24, Anh19, Buo17, CCL18, CRN19, zDYG18, Den14b, HH12, HMT17, HS20, HRAH22, IUM+19, KAF18a, KAF18b, KPC20, KD18, LCL21, MWsC19, MN17, MG18, OIM21, RIAA19, RT20, RT22, RTTH22, RT24, SCD+21, SIE16, SDMMK18, TKSG23, TAM21, Tak17, THF21, TQW24, TG20, TDC21, THT19, Wan17, Wan18, ZH19, ZW15, CGR12]. **Split-step** [WZ19, HH12, HMT17]. **Splitting** [Li95, LHW13, PT17, vdHM98, AG19, AABTB23, AKT15, AKKT16, AKQ17, BC16, CW19a, Che16b, CZM21, CS22, Cho16, CHK14, DW24, DS20, tFZyZ16, Fan22, FMD23, GS19c, HWXC18, JCH23, KM17, KMZ18, Ke21, LY17, LM17a, LM19, LLD23, LKBF17, LZL22, LZL23, MPS20, Met19, MG20, MG21, MWZL23, Mor17, OMU+24, PG15, RWTW19, RCW22, SBG24, Sti18, SS24d, Tai92, TH23, TCOA19, WS24a, WS24b, WHS23, WL17, WPL18, WL22b, XM16, ZWWW20, Zha11, ZFG18, ZY13b, ZLV17, ZV19, ZV21]. **Splitting-integrating** [Li95]. **splittings** [GV00]. **Spot** [BvLP16]. **Spurious** [ZLH22, IKMS24]. **SQP** [GZ11, GZP18, LL07, mTLbJlL14]. **Square** [LL05, Mar04b, MST03, DM97, Gau12a, Gau13a, Hig97, ST23, SHLY18, WCHK21, YCW+19]. **Squared** [RVF07, CS94]. **Squares** [BCV03, DG05, LV01, PG05, SK04, AAH20, AAD14, BGS24a, BRS09, CR20, Dax09, DMA19, DWX17, Ell93, FGS24, Han22, HM22a, HM22b, HYW20, Hei06, Hei07, jHyPlZ06, HM19a, KC23, LV15, LDN16, Lei15, LL22a, LJ22, MMV19, MMGH17, MRS93, MZW20, MS24b, NC94, NK21, OC24, OLB94, PT24, Pen13, RAH11b, Rum14, SEG14, ST18, SM21, SMN24, SXHZ20, TV19, VZ93, Wu22, XXW17, Yua21, ZH22, ZLWZ21, ZW22, ZZ22a, ZLZ23, ZLWQ09, LMV00]. **squares-scaled** [ZW22]. **SR1** [And22]. **SSOR** [LZ16a, Tan17]. **SSOR-like** [Tan17]. **SSS** [Sha19]. **stabilisation** [MT12].

Stabilised [GM03]. **Stability** [Bea98, BBd95, But02a, BH02, BJ04, CMP21, LC14, lLLVZ17, LER03, RW11, Wei17, Wri02, ZCT19, ZD21, ZLLH22, ZKD04, iV12, ASV23, AUA22, Ali23, But96, BH05, CC12, CJ12, CCJC18, DL18, GL19, HH11, HKE97, Her96, Hom98b, HCH18, HWZ24, IKMS24, IJ19, KCBT21, LM17b, LWS18, LW22, LZX23, Lóc20, Lya97, MM22, MV17, MHA16, Smi97, SHGL22, Tom11, WZ23a, Yal01, ZY21a, ZYQ+21, ZY23, ZSLZ24, ZFX14, ZXLF15, dC16a, dC16b, dC22]. **stability-preserving** [HWZ24]. **Stabilization** [Asc97, Axe99, FT24, CEK21, YJ18]. **Stabilized** [WSY12, ASZ23, GG22, Kno23, LBF24, LL20c, TX19, WD23, ZD21]. **stabilizers** [WYZ21]. **stabilizing** [DI11]. **Stable** [AMCM06, BOL98, BGL07, CCG01, Hig97, Kob97, LPRÁ24, LJW17, PT18, Ver99, Bec96, BQO99, CLPY23, Con93, CKKT16, VV07a, VV07b, FYYW19, FGR01, He16, HP18b, Hil10, HNY+18, HY21, HSY23, IP16, KS20, KP09, Kim21, LZM23, LS20, Liu21, Met19, MNS23, Mon96, NL97, PSS10, PJ22, PFT98, RF23, RhG15, SCDM20, SKTGR19, SR22, SSP15, Sol15, Tou98, WCD21, ZLT+17]. **stage** [Bai97a, Bai97b, BZ13, CM16, FGR01, JSZ22, KM19, LG19, NB16, SKTGR19, VV11, Ver14, WW19, Zha24]. **stage-order** [Ver14]. **Stancu** [LQ16]. **standard** [WT08]. **Standardization** [DHL+04]. **starlike** [NPR08, Røn92a]. **start** [SW10a]. **Starting** [HR00, CL19, MM19]. **State** [GF02, KW04, BM24b, CL21, GSV96, KGH14, LCH20, MB09, MB06, OMW21, PNW17, QZG+19, ZLCW23]. **state-constrained** [OMW21]. **state-dependent** [KGH14]. **stated** [SL15a]. **states** [Smi97]. **static** [JH22, KKPT16, PS20, Uhl22a, Uhl22b, ZZ10]. **Stationary** [JWL20, YXS22, CV15, DEC24, MP13, SKSS21, SFZ22, SW07, VN18, WZZ15, XL24, XH21, ZH17]. **statistical** [DWX17, TA96]. **Statistics** [KPFG04]. **Statistics-Based** [KPFG04]. **steady** [BRY14, BM24b, CL21, MB09, PNW17, QZG+19, Smi97, ZZH15]. **steady-state** [BM24b, CL21, MB09, PNW17, QZG+19]. **steady-states** [Smi97]. **steepest** [BN18, HSK20, Maj13, SS12b, You16]. **steering** [Hag13]. **Stefan** [BZS22]. **Steffensen** [AHVR17, EHVRV14, SS24b, SS24c, WZ13b]. **Steffensen-type** [SS24b, SS24c]. **Stein** [FWC16, LWwCL13]. **Steiner** [FM04]. **stencil** [ABT07]. **Step** [BO02, CVA01, LL22c, AG15, ATC16, ANI15, AMH10, AMA21, ASHF21, BKA19, BD09, BCST14, BC94, BJ98, BFK22, BV09, CMR93, CW19a, CS94, CZM21, CJ17, CHMT10a, CO19, DJ10, DFJP10, DS20, FHL21, FR18, GZD24, Gut15, HH12, HMT17, HVMT17, JT96, KNBGV18, KM24a, KS20, Khe12b, Khe16, Khe17, KH20, KS97, KS06, KLR07, LW16, LG17, Li17, LDW18, LZ22a, LLL22, LYY12, LS07, Lóc18, Ma20, MsC20, MBJ17, Mal21, MR09, MJ20, Mat15, Meh11, NSM20, NW19, NB16, NAE22, PRVI20, Pot19, QZG+19, RKMS16, RR20, RWTW19, SW10a, ST17, Sha97, SSH+19a, SS15, Sho18, SKTGR19, SSK23, Ste24, TG20, TS15, Tou98, VH10, WZ19, WQ23, WHS23, XW18, YAT20, Zha11, ZV21, ZS22]. **Step-by-step** [LL22c]. **step-size** [Lóc18, Ste24, VH10]. **Stepping**

[Söd02, CEK21, IJE15, lLXhL22, MM23, SN22, ZQS24, ZZ18]. **steps** [ALV20, BGL07, HLL22, HVM15, KH20, LlLZ21, MVVV24, OMU+24, WZZ16, Wan17, XH21, vSv94]. **Stepsize** [DZ01, ZQL+19, ABS19, BL98, BC01a, JT96, JA22, LM17b, LL18, MN92, PLH20, VH12]. **stepsizes** [ZHSX23]. **Stetter** [GPGVS92]. **Steven** [BC22]. **Stewart** [HC03]. **Stiefel** [CO03, DW12, ODL21]. **Stieltjes** [KJG23, Not95, TBA94, Van92, Van03, dC23]. **Stiff** [AHKW05, Che02, FG03b, AHP20, AAP24, AMCM06, AH15, AM98b, BM22, BC01b, Che14, FYYW19, HH12, NBJA17, NB16, SS24d, TX19, WCM94, vSv94]. **stiff-cut** [SS24d]. **Stiffness** [ST02]. **Stirling** [Mor11]. **Stochastic** [ACM04, BG24, MAL04, MHZ05, Vig04, ZS03, ABB15a, ABB15b, AH15, BD17a, BM09, BZ24, BB14b, CM96, DS21, DI11, El 18, ES19, FWC16, GZ18, GMY18, GL19, GZD24, HH12, Haj16b, Hal14, HLZ14, IS22, IZ24, IJE15, JLP20, JWL20, JSZ22, Kam15, KJ18, KR23, KL22, KS23, KLL10, KLS17, KLR07, LLS11, LDH23, LXX23, LHL11, LM17b, LT24, LWZ21, LXP20, Mal21, MKBY19, Mil19, MNS23, MG22, NAA19, Prz16, ST17, ST23, SS16, SMN24, SHGL22, SZ20, SZ21, TX19, TS15, VH10, VH12, WG13, XT16, YBK+21, YLYZ23, YH24, ZSLZ24, ZL17, ZJ23, aZ19b]. **Stokes** [DZ22, ZD18, BK18a, BRY14, BGR23a, BW13, BCJ24, CW21a, CC18, DZ21, DMW23, DSS14, FRJT09, Hei06, HM18c, JY23, JM00, KM17, KPS22, KP22, LL05, LHR20, LD21, LBF24, LC21, LN22, Med10, NAHZ21, Oua99, PV98, PV00, PG05, SW10b, Si12, Sla06, WD23, WDL23, WQ23, XM16, XH21, ZBDK23, ZS19]. **Stokes/** [DZ21]. **Stokes/Darcy** [XH21]. **stopping** [CL19, RSZ20]. **storage** [LXQ15, Pol10]. **stories** [Maz05a]. **Strang** [CS22, GZ20]. **Strategies** [CR12, HR03b, NPS09, CR20, TBC+23]. **Strategy** [MT04, Aih17, AAN14, AK15, ABM10, BRZ96, KZS21, KH18, KSW07, TS92, Wan15a, WS24b]. **Stratonovich** [XT16]. **stream** [ZHY+20]. **streamline** [ST98]. **Strengthened** [AAAS03]. **stretching** [FHAL15, Mot14, NZF11]. **Strict** [Ceg24, Cat24a, Cat24b, LCL21, Zaf22]. **strictly** [GMP92, LZX22, OAR22]. **string** [BRZ18, BGR23b, MD21a, RZ16]. **string-averaging** [BRZ18]. **strip** [ZW14]. **Strong** [CSI18, KLL10, LQ20, SI17, TTLD20, TLD+23, WC24, XCD23, YL19, YH24, ZW15, Hag13, IJE15, IJ19, JLP20, LGL23, LLQ17, NT21, ST17, SHGL22, TH18b, TVC20, TSI20, TDC21, XT16, XZZ19a, XZZ19b, XP23, ZW12b]. **stronger** [SI13]. **strongly** [Hie18, Jos22, LYL15, PT17, QLZX11]. **structural** [CDS20, GHP+00, Pis16]. **Structure** [BH17, BB14b, KL04, YSLL23, ANI+17, AR10, Bla15, CK20, CMWP20, CV92, DS21, DLL+24, Guo16, GL23, GJVW24, JL16, KW00, LZ23a, WZVJ22, ZZ22a, ZJJW24]. **structure-preservation** [LZ23a]. **Structure-preserving** [BB14b, YSLL23, DLL+24, Guo16, GJVW24, WZVJ22, ZZ22a, ZJJW24]. **Structured** [CPV04, DP16, FG07, Faz23, LMV00, LV01, LZ22d, Ali23, Bno21, VVV22, CCZ23, CJKL23, EP97, ED13, JK19, LAN18, LDC10, ML22, PDS+23, RZR12, SL15b, SKJ+18, YHZL21]. **Student** [HHLS21b, HHLS21a]. **studies** [DW21, JJK97]. **Study**

[CGN03, QLZX11, dSCS04, AWH+24, AM16, CM98, CB13, CN17, DL97, FS20, GH10, Gau11a, GL20, Hua21, JCF15, Jaw22, Kar07, KK22b, Ma20, Man10, MWWY13, PP18, PH20, SHF15, SW14, Sid20b, SS12b, WSZ21]. **studying** [Bel99]. **Sturm** [AS10, AA12b, GHC15, JLX22, LR14, Mar93, TBY13]. **Sub** [Gau12b, Bhr16, CLTA10, LR18, LJWW21, MM09b, MA12, WLY+21, YWZ19, ZP17, Gau17a, Gau19]. **sub-diffusion** [Bhr16, CLTA10, LR18, LJWW21, MM09b, MA12, WLY+21, YWZ19, ZP17]. **Sub-range** [Gau12b, Gau17a, Gau19]. **subanalytic** [Ple12]. **subclasses** [CK06]. **subdifferentiable** [HSK20]. **subdiffusion** [CLT+13, CC16b, CSZ22, LZlL20, LlLZ21, lLLVZ17, LCZZ23, RR22, YJX15, ZF22, ZZY24]. **subdiffusive** [MM22]. **Subdivision** [CJ04, MM04, ARTY20, CCS05, DL08, DXY18, JJ24, PT18, le 91]. **subdomain** [AL23, XH21]. **subdomains** [Cal20, GL15]. **Subgradient** [AT21, AN17, ATT22, DJG18, JA22, KJO23, PDS+23, PK22a, PK22b, TQC22, TH18a, TH19a, YLL20, ZFC18]. **subgradient-type** [PK22a, PK22b, ZFC18]. **subgradients** [ML22, SR06]. **Subinterval** [Cse04]. **subintervals** [XL14]. **subject** [LZ18a]. **sublinear** [AK00]. **submatrix** [LHZ10, Pen13]. **Subquadrature** [KV12]. **subrange** [Gau18]. **subroutines** [Lai92]. **subset** [Sab91]. **subsets** [Dam08, Lóc20]. **Subsonic** [Lui02, KLB10]. **Subspace** [Ali23, EJR02, Jbi03, MR02, Aih17, And14b, AFN16, AFN17, BBS20, BLW09, BEHS20, BMS24, Bre99a, BPR21, FEL15, HE05, HRY16, HRY19, JL15, Lam09, LLL18, LLWC24, Lun23, Pan20, PV98, Saa23, Sch17, SWB08, SWJ24, SLL22, SLL23, TY96, Wu22, YCL17, ZLL21b]. **Subspaces** [Amo02, BCN+16, AC19, BM19, HPS20, LWG18, MVV05b, Oar94, RR00]. **Substructured** [CV22, CGV22]. **subsurface** [Hol98]. **subtraction** [YKY15]. **subtraction-free** [YKY15]. **Successive** [DFK97, Bic11, DLL+24, Nie93, XL14]. **Sufficient** [CL10b, Lin05, Mat01, AIA+24, BE20, LWQR15, MV17]. **sufficiently** [AB23]. **suitable** [OOO11]. **Sum** [INR01, Ber14, Kar07, LV15, PYD23]. **Summation** [DH04, Mil95, SVZ01, CFR06, CW08, NW17, Sab92b]. **sums** [DPR23, LI10, Nor00, VC00]. **super** [CAV23, WGK11, WSK14, WK16]. **super-Halley** [WGK11, WSK14]. **super-Halley-type** [WK16]. **Supercloseness** [LZ23b, ZL23]. **Superconsistent** [Fun01]. **Superconvergence** [FHC21, LS20, NNCN23, SL21b, SN22, WLZ22, Bac21]. **superconvergent** [AAA24, Bac18, Bac23, PLZ+24]. **superfast** [CL92, KV00]. **superimplicit** [FH15]. **superiorization** [CHS19, CGHH21, HSK20, NAE22]. **superlinear** [AK00, CK24, Cat24a, Cat24b]. **supernodal** [FP18]. **Support** [ASS04, MST03, BP19, PW16]. **supported** [GHM08]. **supports** [HPS13]. **suppression** [HFW+21]. **sure** [GL19, LM17b]. **Surface** [KGD03, ASZ23, AG00, BBL22b, CLMM05, FRR07, Gal93, HLS10, JJ24, MW24, NZF11, NPR08, PN93, WZZ07a, WZZ07b, WD95, WD96, ZJ08]. **Surfaces**

[KPT03, BE17, BDH+13, BMV09, CZH22, CDF99, CLaL00, FHAL15, GLRSG08, HMdÁES08, HSSB13, LN95, LKW17, MHR23, Moo20, PTSB01]. **surfactant** [XCY21]. **survey** [BFK11, Lor95, ST23]. **Svaiter** [DMT22]. **SVD** [CFM15, HC03, JCL16, Jia06, LXQ15, MRS06, NS22, OR17, RSCH+19]. **SVDs** [Jia20b]. **sweep** [LZL22]. **sweeping** [ZZ10]. **Swift** [Liu21, YK22]. **switched** [WZS14]. **Switching** [BBO21, CDLW21, Che22, Che24]. **Sylvester** [BEHS20, BEH24, EJR02, HM18b, HM19a, Mit11, RS02, SDL+23, TM10, YC22, ZTW19, ZLL+21a]. **Sylvester-conjugate** [HM18b]. **Sylvester-transpose** [ZLL+21a]. **Symbolic** [Bel99, Ben99a, DVJBN03, INR01, JJ13, Mil17, MCMX20, CHYZ98, CM98, EAB20, MdR08, MdR13]. **symbolic-numerical** [CHYZ98, CM98]. **Symmetric** [ABQ04, FG03b, HR03a, AMM11, AG23a, AAAA+18, ADL05, AA16b, AL97, ADGP15, BBC11, BOP98, BBP17, BP23, BK16b, CR96b, CGV92, CHY19, CG17, CC16a, CW19b, CC13, DMC20, DS20, DPP22, Don10, EG19, FLV14, FP18, FGL19, GV00, HT21, Haj16a, HSE16, jHyPlZ06, HM19a, JRRS08, KKO17, KH18, LL93, LLZ94, LHZ10, LYW14, LM19, lLhYfD07, LZ19b, lLHNS23, Man17, MM08a, MVV05a, Meu09a, MS14a, Mia19, MVG21, Orb15, PL99, RWTM21, RSCH+19, Saa23, ST22, SMZMA18, Sho18, TT06, VGV06, Vos00, WL17, XW18, XHZ07, XLW20, YZLP16, YSLH19, ZZ17, Zha15, ZD17, ZFG18, ZHY+20, ZYW21, ZWXX24, ZFX14, ZXLF15, ZYBJ23, ZM16, ZZZ22, ZCG15, ZS08]. **Symmetries** [Kha14]. **symmetrization** [AE18]. **symmetrized** [Fue07]. **symmetry** [Vos00]. **Symplectic** [BI14, MO19, SSH+19a, VV11, ZTZZ19, AMM17, AMM18, BSB23, BH09, But15, DS09c, FGR01, JLZZ23, MKBY19, MO10, Sal05, WW14]. **Symplecticness** [Jay21]. **Symposium** [Ano95b, The97]. **synchronization** [Lun23]. **synchronous** [BZ13, XZP+20, ZZLV23]. **synthesis** [DR07]. **System** [DVJBN03, FKMS01, Sha02, WHL24, BK18a, ALJLYJ24, AA16b, ACE99, AG23b, AT17, BMA16, Ben99a, CG20, COSE22, CW14, Che22, Che24, Das19, Den14a, FY19, GNH10, GLdO09, GPAA14, GM97, Gu20, HBP13, HYW20, HDP18, HSE16, HL17, HM19b, JH22, KS12, KE16, KMV17, KK12, LHR20, LS15b, lLHNS23, Lin09, LCW20, MBR21, MBJ17, MV13, MW98, Med10, MMU20, MLM19, NRV23, PJ22, Pog98, SK19, TY96, TN10, VTV22, WB17, XCY21, YX11, ZS19, dAFPR23, CHYZ98]. **Systematic** [Loh22]. **Systems** [AZMJ04, AAAS03, Amo02, ABQ04, BKM03, Bre02, BZ02, CNR15, DMRT03, GL04, GM03, HL03, KM04, KW04, Kol04b, Mai01, PL04, RT12, RST03, SGM02, Sch02, Tsu02, AEH20, ATC16, AAB13, ABG97, AL97, AKB15, AH15, ASGJ+20, Ano17, AH11c, AGS20, AR10, AM98b, Asc97, AKQ17, Awa10, ANA14, BDN17, Bai97a, Bai97b, BBC11, BCW13, BHLZ21, BH22, BC94, BOL98, BW93, Bar91, BBO21, BNN16, BHNS16, BDV18, BC06, Bel94, BHS14, BH17, Ben99b, BKF20, BBP17, BBd95, BMS24, BS92, BRZ98, BRS08, BRSY21, BKL10, BRMG18, BWB24, CL92, Caç10, CR96a, CR96b, CCTV23, CS94, Cdv98, CAV23, CC16a, CL05, CW19b, CK20, CH22, CG19, CJ20, CDP16, CRHTV24, CBGVN07, DWC18,

DEC24, DS20, DMD16, DTI09, DLL+24, DEM93, DP16, DLR24]. **systems** [Dum13, DHMS16b, DNR17, EHTSM21, Ess98, EGGSH13, FGC19, FP18, FGL19, FHH96, FT05b, FS23, GZL24, GP99, Gar19, Gar24, Gar20, Ghe16, Gon16, GO20, GCPG99, GSV96, GZP18, GH22, GH23b, Hai09, HKE97, Hem94, HR05, Hey99, Hey01, HE05, HFDSC24, HZ15, JRB17, JMS16, Jay21, Jbi93, JJ13, JH22, KBCG13, KCBT21, KL22, Kha13, KS97, KKO17, Kub15, KK16, La 17, Le 92, LW14, LYW14, LS15a, LG17, LG18, LDW18, LM19, LG19, LC19, LZ22a, LZ16a, LZ19a, LXZZ21, LA22a, LZ19b, Lin01, LN10, LW12, LWZ21, MD21b, Man21, Man10, MM99, MS06, MZ99, Mil18, MS11, Mor17, Müh99, NBK17, OOO11, PS16, Pié99, Pop21, PG15, RSKB17, RM13, RW11, RG10, Rum14, SKA23, Sad99, SW00, ST22, Sei98, ST23, SCTP00, SGS13, SA14, Shi96]. **systems** [Sid20b, Sim98, SH21a, SS16, SS24d, TT21, THF21, Tom92, Tuo98, USAF14, WG99, WW14, WZQT15, WGZ18a, WHD22, WHS20, WC13, WZS14, WL17, WZ23b, XW18, XWY19, XLW20, YWX14, YHZL21, YZY+14, YYD14, ZA20, ZZ17, ZYW17, ZHSX23, ZD17, ZFG18, ZYW21, ZWXX24, ZL07, ZM16, ZZZ22, ZCG15, DM21]. **Szász** [AUD18]. **Szego** [BGVHN92c, CBGVPP09, DPS18, GHM08, HLM04, JNW92, Not08, Pej14, Røn92a, Tru24].

tables [Sid94]. **tail** [LS11, SS08]. **tailored** [VdR13]. **tails** [EO94]. **Takagi** [KC24]. **Talbot** [DW15c]. **tale** [LS11]. **tamed** [JLP20]. **tamed-truncated** [JLP20]. **tangent** [DHS09, KL94, YZBJ21]. **tangential** [Kao20]. **Tanner** [PP05]. **target** [BM12]. **Tau** [ED05, AH23, BZV16, HMT17, RM13, SW14, EDAM13, GH09b, MG11b, Mok16, VRM23]. **tau-leap** [HMT17]. **Taylor** [BB14a, Bün18, Her96, MTTC22, NKS04, Pry98, SL18, SL21a, ZFZ19]. **Taylorian** [le 91]. **tearing** [TFPG19]. **Technique** [RST03, AS11, CDD21, Deh20, Gás99, Han93, HL23b, HWC15, ITA24, LZ18a, NM14, RIAA19, SPV20, SKK21, SS24d, WZ16, YD09, YZ17]. **Techniques** [DR01, Kun01, Lig93, The97, ALB+18, AT19, BW93, Cro92, GZL24, JCF15, Li96, LWLT19, LA22a, LDC10, MB09, MN23a, PLVB11, SW00, SCTP00, SLA11, TFPG19]. **telegraph** [AH23, He16]. **temperature** [NM14, ZZZ20]. **tempered** [CDLW21, DZW17, LD20, QQX23, TH23, WQZH24]. **template** [Kub23]. **templates** [FHH99]. **Temporal** [lDzS21, ALB+18, HOW95, LR18, SzS21]. **Tension** [RM11, AZ19a, BV21, BR07b, KS18a]. **Tensor** [ACM93, BEJS21, BG03a, GGV02, HZ24, RS21, XQZ24, BJNKR20, BEHS20, BEJR23, BJT24, BH01, CCZ23, DBV23, DLDW21, GLL19, HPS13, LHZ+21, LZZ19, LDZ24, Rab05, WCW20, WMCW21, wYN18, YSXY19]. **Tensor-Product** [GGV02, ACM93]. **tensor-structured** [CCZ23]. **tensors** [BHLZ21, CHY19, CPRZV23, ED22, Hua21, IDAV09, LLQ17, San19, WCW20, XZZ19a, XZZ19b]. **tenth** [EM07]. **tenth-order** [EM07]. **Teodorescu** [Caç10]. **term** [AAM24, And14b, And15, BE20, DP21, Don16, lDzS21, GZL24, HFZ19, IAAH24, JLJ22, Khe12a, KLB10, LSZW19, LWLT19, LZ21, LSY+23,

MJJ+23, MKBY19, PED15, Sal17, SSP15, SzS21, TLD+23, WLMA21, WYP23, WZC23, Wei17, YPL21, YXS22, YJJ+21, YYZ22, ZR17, ZD15]. **terminal** [GK21]. **terminating** [CW08, TM14]. **terms** [BHW23, KC23, Oua99, SGO22, SIO20, Śmi09]. **Tessellation** [dADdRC04, AT12]. **Tessellation-Based** [dADdRC04]. **Test** [BD04b, LM04, BX19, CKM19, GHN19, Mac96, Mit11, OO22, Ste20]. **Testing** [LW95, GL12]. **Tests** [WH04]. **th** [BHM05, CL11, CVX16, Fue07, Gaj05, GL20, ZXRL11]. **Their** [Gla04, Mas05, AR20, BCST14, BL92, BF18, BHS14, BH17, Ber10, BZ91, BGVHN92a, Ceg24, GMZ19, GL07, GG08, Gau11a, HYJ20, KXXW21, KCBT21, Kim21, LXZZ21, LSY+23, Mar92, MSS11, Ron08, YWS20, ZAGD22]. **Theorem** [MKO04, BGVHN92b, CS08, Low05, LR14, MA15, Mel14, SK19, Tac12, TVC20, UA09, WZZ16, dC23]. **theorems** [AAAGAD23, CD00, MW16, RTD+21, TH18b, TSI20, dB07b]. **theoretic** [DI11, VB92]. **Theoretical** [Iid24, NS24, Sal05, ZAGD22]. **Theory** [AHKW04, MT98, BGR23b, BC06, BESC22, CR00, CF05, CZ96, CVLX19, CFS21, CD00, Cuy00, Cve06, Guo16, KP96a, KADE18, Kul10, LG08, MKG24, MA15, MA12, SS11b, ZYW17, dBGKR08]. **there** [Lev05]. **thermal** [NZF11]. **thermo** [DN19]. **thermo-elasticity** [DN19]. **theta** [JWL20, Kie23, RS21]. **Thickness** [TE03, WWD+12]. **thickness-shear** [WWD+12]. **Thiele** [Gen12, LB93, TF00]. **Thien** [PP05]. **Thin** [HM07, ZKD02, ZKD04, BKPS93, Han93, Lev95, Pow93, YXL18]. **thin-plate** [Han93, Lev95]. **Third** [CMRS01, ZQS24, AC17, BD10, DD21, DDRS23, GB21, Hai08, Hai09, Hea10, HMS96, JL12, Jat15, KSV23, KS12, KM19, MH21, ME95, Meh11, NLT21, PKR20, PG12, RS97, Tem08]. **third-kind** [MH21, NLT21]. **Third-order** [ZQS24, DD21, Hai08, Hai09, HMS96, KSV23, KM19, Meh11, PKR20]. **Thomas** [ZZWK12]. **Three** [AEG02, GMZ19, GGV02, JKK+07, LZM23, MST03, NSM20, AAM24, ALJLYJ24, AK12, And14b, And15, AKT15, BCST14, BK13, BE20, BBL22b, CMD19, Cal20, CHMT10a, DZ13, Don16, GH06, GH09a, HT21, HVM15, Hua20, IAAH24, JLJ22, KM19, Lai92, LK20, LZ21, LSY+23, LX24, LSSS15, LZ22d, MJJ+23, MP00, MS01a, Moo07, PH20, PTSB01, PV98, Rab23, SH12, SKTGR19, SSP15, SW07, TS18b, TÖ17, WG99, WZ19, WLMA21, WYP23, WQZH24, XSL22, YAT20, YJJ+21, YYZ22, ZXLF15, ZS22, ZZY24]. **three-** [Lai92]. **three-by-three** [ALJLYJ24, Hua20, LZ22d]. **three-composite** [LX24]. **three-derivative** [TÖ17]. **Three-Dimensional** [AEG02, BK13, CMD19, MP00, PTSB01, PV98, SW07, ZZY24]. **Three-Direction** [MST03]. **three-directional** [MS01a]. **three-field** [WG99]. **three-parameter** [HT21]. **Three-pencil** [JKK+07]. **three-point** [LK20, LSSS15, PH20]. **three-stage** [KM19, SKTGR19]. **Three-step** [NSM20, BCST14, CHMT10a, YAT20, ZS22]. **three-term** [AAM24, And14b, And15, BE20, Don16, IAAH24, JLJ22, LZ21, LSY+23, MJJ+23, SSP15, WYP23, YJJ+21, YYZ22]. **Thresholding**

[BP03, EKPU23, HLL22]. **Thresholds** [PR03]. **Thumb** [Boy05]. **Tight** [VW08]. **Tikhonov** [BOR23, CRS04, Don12, DR12, FR12, HRY16, HRY19, HS12, LP12, MRV23, NR14, YXS22, ZZ19]. **Tikhonov-type** [ZZ19]. **Time** [BL98, DG05, Söd02, TDKB24, ZS03, ZZ18, ZKD02, ZKD04, AD17, ATM19, AH23, ADG10, AF13, AWL+24, And14a, AH18, BPR22, BS17, BM22, BKF20, BZV16, BEH24, BIMR19, COSE22, CX20, CEK21, CG13, Cui13, DIM22, DAM16, DZS21, lDzS21, EG18, Fan19, FZLL23, FT24, FZL+16, Fly22, GZL24, hGzS17, GNH10, GLS+18, HLS10, HKE97, HDP18, HV22, HA16, Hol98, HZX21, HLTA16, HZ20, HTVY13, HL17, HYJ20, HL20, HS21, HWZ24, ICR06, IJE15, JWZ23, JZ16, KS18a, KNBGV18, KN23, Kaz24, KR11, KS97, KB20, LLAL21, Lam09, LMUZ19, LSZW19, LLX20, LlLZ21, LZ23a, LAN18, LXZZ21, LWZ23, Lor19, Luc97, lLXhL22, LV18, LV21, MN23a, MM23, MS24a, MDL15, MA13, MSS11, MvS09, MAFN16, NPS09, Ngo23, NG23, Not22, PQS22, PLZ+24, QXGZ20, RF23, RS06, REM21, Ria16, RK11, RR22]. **time** [Sal17, SFMK23, SS24a, SLA11, SSYL20, SSH+19a, SCF23, SFS23, Si12, SN22, SJ14, SYLT14, SWJ24, SG23, VLCL16, Wan15b, Wan19, WXQ20, WLMA21, WWBM21, WZC23, WZ23a, WQ23, WS24a, WWL24, Wei17, WLY+21, XH21, YJ18, YZL20, YPL21, YZH21, YK22, YXS22, YWZ19, Zaf22, ZWFY19, ZXRL11, ZLW+13, ZLG+13, ZSF18, ZLL+21a, ZBX21, ZHFW21, ZZ22b, ZL22a, ZF22, ZQS24, ZYW22, ZJ23, ZLS24, ZXL23, aZ19b]. **time-delayed** [RK11]. **time-dependent** [ATM19, COSE22, DZS21, EG18, HV22, Lam09, LSZW19, Lor19, NPS09, SSYL20, SFS23, SG23, WS24a, YJ18, YK22, ZSF18]. **time-domain** [HLS10]. **time-fractional** [AD17, AH23, AWL+24, FZLL23, GZL24, HV22, HZX21, HZ20, HS21, JWZ23, KN23, KR11, LSZW19, LWZ23, LV21, MN23a, Ngo23, PLZ+24, QXGZ20, RF23, RR22, WWBM21, YXS22, YWZ19, ZLW+13, ZL22a, ZF22, ZYW22, ZLS24, ZXL23, aZ19b]. **time-harmonic** [LAN18, LXZZ21, RS06]. **time-independent** [Lor19]. **time-instant** [YZH21]. **time-periodic** [SJ14, SWJ24]. **time-resolved** [MvS09]. **time-scaling** [Fly22]. **time-space** [HL17, HL20, VLCL16, WLMA21, YZL20, YPL21, ZWFY19, ZBX21, ZZ22b]. **time-step** [KS97]. **Time-Stepping** [Söd02, ZZ18, IJE15, lLXhL22, ZQS24]. **time-steps** [LlLZ21]. **Time-transformations** [BL98]. **time-varying** [GLS+18, LMUZ19, ZXRL11, ZLG+13, ZLL+21a]. **times** [Cas17]. **timestepping** [NT21]. **Toda** [FYI+12, MN01]. **Todd** [YZLP16, Khe12b]. **Toeplitz** [AAAA+18, AA16b, BM94, BBL22a, BC06, BCV03, BMR19a, BIM+23, BESC22, BBd95, BG03b, BV95, CT93, CO94, DNR17, EG19, EV22, GL23, HN94, HG93, Han02, HR03a, Hem94, HW18, HL17, IMT02, JL16, KV00, LMV00, LV01, Lin01, LN10, MA95, SC03a, Sol23, TT06, TA13, Vos00]. **Toeplitz-block** [CO94, BC06]. **Toeplitz-Plus-Hankel** [HR03a]. **tolerable** [Pop15]. **Tomographic** [MFBB23, AH14]. **tomography** [ÁCL11, BG11, BvLP16, NAE22, RVF07, Wan15a]. **Tool** [FEK+23, CKO24]. **toolbox** [BMR19a, BvLP16, KR23, MBR21, RZR12]. **Tools** [GHN19, Han99, Han07, HJ18b, Han94, FHH99]. **topics** [BRZS23].

Topographic [dADdRC04]. **Topological** [KGD03, BRZ17, FHH05, Le 92]. **toroidal** [Par16]. **Torrey** [SYLT14]. **torus** [DL97]. **Torvik** [Mok16]. **Total** [LMV00, LV01, MPR22, Zak17, BG11, CC06, CPZ14, DHJJ10, Den14b, DWX17, FAMA20, Hua18, JHLL15, LHZ+21, LZ22b, LJ22, MZW20, OC24, Sar06, VZ93, WHZ+18, WCH15, XXW17, ZH22, ZW22, ZLWQ09]. **totally** [ANI15, ANI+17, GMP92]. **tour** [Gau07]. **TPS** [SB21]. **trace** [FDFM23, Meu09a, WG13]. **Tracing** [PLVB11, YYD14]. **tracking** [BHS11, Lie00]. **trade** [EY10]. **trade-off** [EY10]. **Traffic** [FLH04, PV23]. **Trajectories** [LPV03]. **trajectory** [Lo97]. **transcendent** [DN24a]. **transcendental** [Kal00]. **transcription** [BCT15, CB16]. **transfer** [BQ19, GV99, GCFF95]. **transfer-function** [GCFF95]. **Transfinite** [FP20]. **Transform** [CCG01, AMR15, ADN17, BHNS16, BC05a, BBM08, Cam95, CC12, CMM15, CAB22, Cou15a, Cou15b, DW15c, Ehr97, Hem94, HFDSC24, Kuh13, LM14, Luc97, Roh07, Sab92b, WQL20, WF23, XX16, dDS00, Ave20, DCM+13, DCMM13]. **Transformation** [Bel03, MS06, AL15, AG00, BRZ19, CDT10, CHHL18, CHH+20, DM14, GHM08, HLS10, Hom94, Hom98a, Hom98b, HV12, Li95, Li96, LCHH21, Rha22, Rog95, Sid20a, SS12b, XW17, ZCGS24]. **transformational** [YD09]. **transformations** [Ben97, BL98, BS92, CMR16, GHM08, Her96, Osa92a, OOOR12, Pep23, VC10, VPL97, Wen92]. **Transformed** [IJ19, PRVI20, SS21, Val14, Val15, XQZ24, YW17]. **transforms** [AAAGAD23, BV93, BD00, BM23, Coo09, DM98b, GS95, HIK17, KXXW21, KPT23, MP08, Nor00, PSS10, PPV09, Sab92a, Sab14, Tas93, WGZ18b]. **Transient** [CGN03, SW10b, YYLX23]. **transistors** [NAR05a]. **transition** [DHS09, HSY23]. **translated** [AGG17]. **translates** [Sun94b]. **transmission** [GX19]. **transport** [AM01, Guo16, HHST19, QXGZ20, Ter22, VSA12]. **Transpose** [BRZ98, Cdv98, CZ20, ZLL+21a]. **Transpose-free** [BRZ98, Cdv98]. **trapezoidal** [For21, OdZdRV13, VPL97]. **Traub** [AG13, SS24b, SS24c]. **Traub-type** [AG13]. **traveling** [CMWP20]. **traversing** [BBBC20]. **Treating** [Bre04]. **Treatment** [BZ94, The97, Che13, FRS21, Ghe18, Mok16, SS08]. **treatments** [MMW20]. **tree** [KZ21, ZYW17]. **Trees** [But10, But19, FM04]. **Trefftz** [Kar13]. **trended** [LDN16]. **tri** [LSG15, ZYW17]. **tri-coloured** [ZYW17]. **tri-parametric** [LSG15]. **triangle** [MR12, SLW13, SKJ+18, Wal06]. **triangle-based** [MR12]. **triangles** [HvD93]. **Triangular** [DP01, CL96a, DW24, HL17, LKW17, LM17a, LZ19a, LZ19b, LZ18c, MT12, Pié99, SLW13, TT06, ZWX22, ZWY22]. **triangulation** [HMdÁES08, Mer94]. **triangulations** [DLR12, JKK+07, Rip93, Son93]. **Tribute** [Bre03c]. **trichotomy** [DS09c]. **Tricomi** [ZLW+13]. **Tricomi-type** [ZLW+13]. **Tridiagonal** [FKMS01, BOL98, CDW95, Hem94, Jia20a, JXX+23, LLZ94, PL99]. **Trigonometric** [PQ95, CBGVN07, Don13, FKP06, GZ18, Jat15, JJ24, Khe12a, KH20, NJ13, SG23]. **Trigonometrical** [MKS18, Ixa19]. **Trigonometrically** [FYM14, JSF13, Li17, LG19, NBJA17, SS15]. **Trimmed**

[KGD03]. **trinomial** [DM92]. **triplets** [JLZZ23, VBG96]. **Trivariate** [BDIR18, CFR06]. **tropical** [BHH24]. **Trummer** [Pol10]. **Trummer-like** [Pol10]. **Truncated** [Pow93, DDRS23, GMY18, JLP20, Jia20b, KC24, KLL10, MM08b, MM09a, MRS06, OR17, SH21b, WC23, YLYZ23, ZJ23]. **truncating** [dOS07]. **Truncation** [AAA17, HKPW19, Kao20, MW16, Tam10]. **truncations** [PK21]. **Trust** [CR03a, HZ95, AA12a, ARY17, BKR18, BE17, CHY19, HZ93, KE16, LZ18a, LM13, lLXhL22, SS06]. **trust-region** [AA12a, ARY17, KE16, LZ18a, lLXhL22]. **Tseng** [AG19, OMU$^+$24, OAMA22]. **TSERKN** [LW14]. **TSRK** [KV12]. **TSVD** [JRS09]. **tubes** [BQ19]. **Tucker** [DBV23]. **tumor** [Ila20]. **tuned** [Kub15]. **tuning** [Cou15a, Cou15b]. **tuple** [dDL92]. **Turán** [Gau14, GS95]. **turning** [CL93, SS94, VT10]. **TV** [BBB$^+$06, MFBB23, XYZ14]. **TV-based** [XYZ14]. **TVD** [GLLJ12]. **TVD/CBC** [GLLJ12]. **TVD/CBC-based** [GLLJ12]. **twined** [GN12]. **twisted** [SS08]. **Two** [ACO03, AA03, AAB13, BKFMA11, BKR18, BKA19, BD02, BS21, BCN$^+$16, BE20, BV09, BM23, CW19a, CAB22, CQLY15, CLWH20, CZM21, DFJP10, DZ01, DDRT97, FAMA20, FW13, hGzS17, GGV02, Góm01, GL21, HR03b, Hu22, HTVY13, IAAH24, JJK97, LR18, LRL19, LZW20, Liu11, MsC20, Mar92, Mil18, NAHZ21, ODL21, RT24, ST17, SCW17, SH23, TE03, TQY21, TS15, TBA94, TCW14, WWBM21, WDY04, WC10, XZZ19b, Yan18, Zha09, Zha11, ZW14, ZYW22, AD17, ASS13, AABM17, AC19, AAD14, Bac18, Bac20, Bai97a, Bai97b, BCW13, BZ13, BH22, BJ98, BZV16, BFK22, Bic24, BZS22, Bra06, CB16, CCTV16, Cas17, CT10, CLTA10, CM16, CY19, CW19b, CS24, CV22, CLBT15, Cro92, Cui13, DJ10, zDYG18, DW21, DW22, DHS09, DZ19, DMW23, Dzu13, EAB20, EGGSH13, FYM14, FHL21, FZLL23]. **two** [FPP05, FR18, GKRS22, Gau10, GK20, GCGVH92, GL15, GLS$^+$18, GZD24, HHST19, HZPW23, HCL21, He16, Hem96, HST15, HLTA16, HFZ19, HL20, JT96, JSZ22, KPA20, LWD23, LWAG08, LL14, LDW18, LD21, LZ22a, LZ16a, LZ19a, LA22a, LZL22, LS15b, LLL22, LRL22, LYL15, LSW16, LW17, LD20, LS20, LW22, MS20a, MS22, MT12, Met19, Mic23, MP14, MDH16, MDL15, MKS18, MSM12, MS24b, NG23, NV21, PR14, PCDH20, Pis16, QXGZ20, Rab23, RKMS16, RR20, RGJ10, RhG15, RWTW19, RSCH$^+$19, Ros97, RB17, RR22, SW10a, Sch17, SB21, SW10b, SSYL20, SL21b, SS15, Sho18, SKTGR19, SSK23, ST99, SJW21, Tak17, TS18b, VZ93, WGZ18a, WZ19, WSZ21, WD23, WLY$^+$21, WCM94, Wu22, XL24, YZ21, YZ23, YJX15, ZR17, Zah09, ZBDK23, ZZH15, ZD15, ZHFW21, ZL22b, ZZ22b, ZV21, ZWY22, ZD18]. **two** [vdMRS06]. **two-asset** [ZZ22b]. **two-by-two** [BCW13, BH22, CW19b, LZ16a, LZ19a, LA22a, WGZ18a]. **Two-derivative** [CQLY15, TCW14, CT10, FYM14]. **two-dimension** [SB21]. **Two-Dimensional** [BD02, HR03b, CAB22, DDRT97, JJK97, Mar92, AD17, AAD14, Bra06, CLTA10, CY19, Cui13, DW21, GK20, HCL21, He16, HL20, KPA20, LWD23, LRL19, LZW20, LSW16, LD20, LW22, Mic23, MS24b, NV21, Pis16, QXGZ20, RhG15, RR22, YJX15, ZR17, ZBDK23, ZHFW21]. **Two-grid** [CLWH20, Hu22, NAHZ21, ZYW22, CV22, DZ19, DMW23,

HFZ19, LD21, LYL15, LW17, LS20, MDH16, QXGZ20, SW10b, SSYL20, SL21b, WD23, YZ21, YZ23, ZD18]. **Two-Hydrodynamic** [TE03]. **two-Lagrange** [GL15]. **Two-Level** [FAMA20, DW22, MT12, NG23, ST99, XL24, vdMRS06]. **two-mesh** [FZLL23, WLY+21]. **two-metric** [CS24]. **Two-parameter** [BKA19, WC10, Dzu13, ZWY22]. **two-parametric** [CLBT15]. **Two-Phase** [AA03, BZS22, HHST19, Met19]. **Two-Point** [ACO03, DZ01, BM23, TBA94, AABM17, Bac18, Bac20, Bic24, CAB22, Cro92, EAB20, GCGVH92, LS15b, MS20a, PR14, RB17, WCM94]. **two-sided** [BZV16, HZPW23, HLTA16, RSCH+19, Sch17, VZ93]. **two-stage** [Bai97a, Bai97b, BZ13, CM16, JSZ22]. **Two-step** [BV09, CW19a, CZM21, DFJP10, MsC20, ST17, TS15, Zha11, BJ98, BFK22, DJ10, FHL21, FR18, GZD24, JT96, LDW18, LZ22a, LLL22, RKMS16, RR20, RWTW19, SW10a, SS15, Sho18, SKTGR19, SSK23, ZV21]. **two-subspace** [Wu22]. **two-sweep** [LZL22]. **two-term** [ZD15]. **Type** [ACO03, MC05b, MC05c, SFT03, Van02, AWH+24, AAPR21, ALV20, AH09, AH10, AH11b, AH12, AG13, AM16, AH18, BL92, BPR20, BRS91, BRS92, BRZ98, Bre99a, BS14, BGVHN96a, BCJ99, CCTV23, Cdv98, CRN19, CPRZV23, CGL99, CG19, CJ20, CKKT16, CD07, CK06, CHK14, DL97, Die08, DPS18, DHM12, DGP15, EED19, FHH96, FR18, FLR01, GGNF17, GM22, Gen12, Ghe13, Ghe16, GLC22, GEA20, HHLM23, HVM15, HVYMS23, HPS97, HMS96, Hom92, HLZ14, HL15b, HSL19, ITA24, IDS16, IS17, IUM+19, JSF13, JS15, JZYY23, JLFL19, Kar10, KAF18b, KK22a, KGMH21, KGN+24, LGL23, LW13, LHM20, LZM23, lLLVZ17, LTFL10, LQ16, LWS18, LS20, LZ23b, LZ23c, LMMD05, LV18, MsC20, MP08, MTTC22, MJ20, Mat96, Maz09a, MP14, MP22, Moh10, MK17, NT21, NS22]. **type** [OPSM22, OAR22, Ovi22, Pas92, PC13, Pej14, PS06, PP92, PK22a, PK22b, Pop18a, Pop19, RTCL21, Ron92b, Sab14, San19, SSS21, SH12, SS12a, SKP20, SLD20, SW19, SS24b, SS24c, Sol15, SMN24, SG10, SSSS22, Spa24, SH22, SH23, TAM21, Tem97, TLD+23, Van92, VV11, VdR13, VS19, WZ13b, WG13, WK16, Wan19, WXT22, XL24, XH20, YM24, YBK+21, Ye22, ZLW+13, ZFC18, ZZ19, ZLH21, ZL22b, ZQzS22, ZL23, ZH17, ZWW21, ZG09, dBD05, dC23]. **typed** [WQ10]. **types** [LAH22].

UGS [BRY14]. **Ulm** [Arg09, SHLY18, WCLW16]. **Ulm-like** [SHLY18]. **Ulrich** [AL04]. **ultra** [Bac23]. **ultra-weak** [Bac23]. **ultrasound** [WHZ+18]. **ultraspherical** [BD20]. **umbrella** [HMdÁES08]. **unbalanced** [GWL20]. **unbounded** [CC07, CK22, NNCN23, Pop15, QL12, YWZ19]. **uncertain** [YYLX23]. **Uncertainty** [Cha04, MHZ05, KBCG13, WLL12]. **Unconditional** [HWZ24, LW22, SZ23, SLT20, YJ21]. **Unconditionally** [LCZZ23, PLZ+24, CLPY23, He16, HP18b]. **unconfined** [SMNZ20]. **unconstrained** [AA12a, AAN14, And06, And08, And10, And14b, And15, And18a, And19b, And22, DW15a, DW15b, DBH21, Don16, HWC15, LLL18, LM13, Liu14, LL18, gOM14, SS06, SLL23, VL19, WJW14, WZ16, WYP23,

YCL17, YZLC24, YY13, ZLZ23, ZWG18, ZFZ19, ZLL21b, ZDSY20]. **uncountable** [Man10]. **uncoupled** [YJ18]. **Uncoupling** [ASZ23]. **underdetermined** [CMRS00b, Kub15, Rum14]. **Undirected** [vGK04]. **unequal** [LlLZ21]. **unequally** [DLR12]. **Unfitted** [ZZZ20]. **unfixed** [CZH22]. **Unified** [AG13, BM22, Che13, MFK+15, BMS24, Iva17, OL23, WZ11, ZE10]. **Uniform** [AA09, Bog13, Dun94, LZ23c, MM22, MN11, Rei97, The12, TV19, AHR21, ADA07, Ave20, BS17, BL92, BR07b, CJ17, DLR12, FHC21, GH23a, GO06, GL21, LX23, Lin05, MW24, MS23a, OQ12, Tem97, VC92, VT10]. **Uniformly** [CZ23, CL93, CG19, CEX14, CJ20, IUM+19, KK17, LZ23a, MT12, SI18, SC18, dS00]. **unifying** [dFG93]. **unilateral** [CLGS17]. **uniparametric** [LK20]. **Unique** [DC17, VSA12, CNR15, WMCW21]. **uniqueness** [WCW20, Zaf22]. **Unit** [Mar04b, ACH14, BCM07, BW15, BPR20, BGVHN92b, BGVHN92d, BGVHN96a, BC09, BSL18, CGM12, CMR16, GHM08, Gla01, HM07, LPP21, MA95, SX96, VM17]. **unitary** [Uhl22a, Uhl22b, VC10]. **unity** [BDS00, DZ19, DZ22, MS23c, dS00, dDS00]. **univalent** [Røn92a]. **Univariate** [Rev03, ACG20, LL14]. **universal** [Yak95]. **unknown** [CZ20, GD15b, MN23b, Roh07, YXS22]. **unknown-transpose** [CZ20]. **unknowns** [SW07, YWWR12]. **unmanned** [DIM22]. **unmixing** [RWTM21]. **unorganized** [DF94]. **unresolved** [MSCB93]. **Unstable** [BG03b, SR22]. **unsteady** [DMW23, KPS22, LBF24, MK17, Mot14, RT19]. **unstructured** [CL00, CZ94, CZ95, CZ96, PR10, ZWX22]. **unsymmetric** [DB98]. **Untypical** [Pas11]. **unusual** [BRZ20]. **update** [Aih17, Ari98, BBL23, LZ22c, LL07, LTP18, VL19]. **updates** [BKFMA11, CMM17, KKM20]. **Updating** [ACSD16, MMGH17, And19b, BK16a, LLZ18, LEK21]. **updating/downdating** [LLZ18]. **UPML** [dOS07]. **Upper** [AAAS03, LZX22, SS98, AH13, LM17a, MT19, MT23, PV22b, YKY15]. **upwind** [ASGGRG23, GLLJ12, Gar20, Son93]. **Usable** [Enr02]. **Usage** [HSTW14]. **Use** [Che04, DG05, KPFG04, MCG+04, Ash19, Cor91, DR07, KFK+24, Moh10, Mot14, WO00]. **used** [JB22]. **Useful** [SS14, Vep08]. **user** [Ixa19]. **user-friendly** [Ixa19]. **uses** [EGSHVN15]. **Using** [BD03, BD04a, BBZ95, BWB24, DBH21, EGSV04, FM04, GST03, HL02, JC04, Jia06, KCHD16, KGD03, KL04, LAG05, Mic91, MRU91, PG05, WH04, YWYN22, Zil01, BK18a, ASW06, AS08, ASS13, ABT07, ALRT16, AAN14, ADN17, Arg09, AG17, AT17, Ave20, BMA16, BKPS93, BBO21, BC05a, BH11, BE17, BD17b, BBB22, BvLP16, BG13, Bro05, BGL07, CSI18, CLMM05, CFM15, CE94, CAB22, CR23, CM96, CT21, Cou15a, Cou15b, DMT13, DS09b, DC17, DB06, DLYH17, DSS14, EAB20, Ell93, Esp05, FT24, FHH05, FT05b, FGS24, GD15b, GG98, Gha16, GNH10, GLV05, GLRSG08, GMT92, GL20, HLS10, HYW20, HZX21, HL23b, HFZ19, Iid24, JCL16, JK19, KK00, KSCS07, Khe12b, KMA13, Kub23, LM11, Laz99, LW20, jLyLqW17, LKKM15, MMV17, ME95, MB06]. **using** [Meu09a, MS96, NPS09, NLT21, NJ13, OOOR12, OO22, PSS10, Pan20, PZL15,

PS22, QLZX11, Rab23, RR20, RT19, Reb97, Rip93, RW11, SL15b, SL15a, SL18, SW14, SWB08, Sla06, SS08, Str09, Sun94a, TCOA19, TBY13, TCW14, WGZ18b, Wat92, Wat94, XX16, ZZL17, Zha20, ZLL+21a, ZCGS24, ZS13]. **utility** [Van17]. **UTV** [FH97, FHH99, FH05]. **Uvarov** [HV12]. **Uzawa** [CC15, DYW16, HNY+18, Hua20, YDWL15, ZSF18].

Validated [IW04, dS24, BL95]. **Validating** [Vig04]. **validation** [BL93, BR21, SWB08]. **validity** [CL96b]. **Vallée** [The12, TV17]. **Value** [AKW02, AKKW03, CN01, Mar04a, MT04, Neh04, ALQ17, AJ13, ATM19, AWH+24, AR13, AHC05, AE09, ABI20, AHKW05, AKPW05, Bac18, Bac20, Bac21, Bac23, BAV18, BD17a, BVV14, BFK11, Bic24, BCI14, CEX14, CW14, CHYH24, CFRV23, Cor24, Cro92, DW24, DD20, DD21, EH97b, EM07, FLV14, Flo16, FP20, Van12, GK21, HJB18, HJ21, JL12, JNS19, KS20, KS12, KK12, Li17, LLD23, LJ11, LS15b, LSW16, LWS18, LM21, LRM16, MS20a, ML20, MsC20, MO19, MN08, ML10, NBJA17, NJ13, OQ12, RKMS16, RSKB17, RR20, RGJ10, RR23, RB17, SHLY18, SW19, SCF23, SS15, SA23, Stu97, TS18a, UTO24, WZQ17, WCM94, XLG22, YKY15, YSLH19, YZL20, YH21, YLY12, Zah09, ZE12, ZA20, ZW12a, ZJJW24, ZFX14, ZXLF15, ZZB20, vSv94, vdHM98]. **Valued** [KM04, Mat04, AM21, AH08, ANA14, Den14a, DLYH17, GMT92, LA22a, Low05, Rob92, SZ24, ZFC18]. **Values** [FH04, AM98a, BG91b, EL01, GQ09, LX17, Lóc18, MT19, NIN12, SL18, SHLY18, TM20, XL14]. **Vandermonde** [KN21a, GM92b, KV00, KRS19, KN21b, Tas93, Tom92, YHZ20]. **vanished** [SKTGR19]. **vanishing** [Jos22, ML22, NS24]. **Varga** [BC22, Ano00d]. **Variable** [ABS19, BC01a, Che02, CO19, Gau09d, Hua20, JT96, Ngu16, WHL24, AK12, BK13, BK18b, BL98, BEL23, BCJ99, Car92, CLT+13, CS24, HP18a, HFDSC24, JR20, JZF+20, JWZ23, KS97, KJ15, KS06, LDH23, Lie00, LWJ21, LM17b, LL22c, LX24, Lyn08, MJ20, Meh11, Moh10, MK17, MvS09, Mül00, MAFN16, NRV23, NB16, PQS22, RT19, SS99, Sat24a, Sat24b, SAE19, SXHZ20, TPLB22, VH10, Wan15b, WZZ16, Wan17, WSLL24, WZZQ24, YK22, ZW14]. **variable-coefficient** [HFDSC24, KS06]. **Variable-Order** [Che02, WHL24, BCJ99, CLT+13, JZF+20, LWJ21, NRV23, PQS22, SAE19, WSLL24]. **variable-phase** [Lyn08]. **Variable-precision** [Gau09d]. **variables** [APPR14, AAH24, BMA16, DFP+10, DZ13, DGP15, FPP05, Gal18, LWAG08, LZ18a, WZ23b]. **variance** [MG22]. **variance-reduced** [MG22]. **Variant** [AZMJ04, BEQOR14, CCTV16, ED13, HWXC17, KL06, KPS14, LZL22, ZZZ22]. **Variants** [Aih17, MR02, DDRS23, EGGSH13, KKB16, LRL22, MS14a, RWB09, SS12a]. **variate** [PW14]. **variation** [BG11, CC06, CPZ14, DHJJ10, FAMA20, JHLL15, LHZ+21, LZ22b, Sar06, WHZ+18, Zak17]. **variation-based** [JHLL15, LHZ+21]. **variation-regularized** [BG11]. **Variational** [CGR12, Alt21, Anh19, AV19, ATT21, ATT22, AH10, BM22, Bno21, BHT16, CSI16, CSI17, CSI18, Dey23, DMT22, DLYH17, DJG18, DHV22, Fan15, GNH10, GEA20, HT19, HRAH22, JM18b, KAF18a, KPA20, LRL22, MD21a,

OIM21, OAMA22, PPPN23, PN21, RFS23, RC14, RIAA19, RTCL21, RTD+21, RT22, SR16, SI17, SI18, SLD20, SK19, SDMMK18, SMA99, SC18, TAM21, TQY21, TQC22, TG20, TH18a, TH18b, TH19a, TH19b, TVC20, TTLD20, TSI20, TDC21, TRSI23, TLD+23, UA09, VS19, WZZ16, WXT22, WL22a, WCH15, WZZ15, XCD23, YL19, YLL20, Ye22, ZFC18, ZFH23, ZWX19]. **variations** [Gha16]. **varieties** [Sau07]. **various** [BGR23b, GKL21, Le 98]. **varying** [AG00, BLS92, FMD18, GLRSG08, GLS+18, JZ16, LMUZ19, ZXRL11, ZLG+13, ZLL+21a]. **Veamy** [OBAHK+19]. **Vector** [Che01, GM03, JRS09, Rob02, SGM02, Van02, Van03, Ber14, BR07a, BS92, BRZS23, Cas17, CCS05, CGM93, DSS14, Han93, Mar93, Mat91, Mat92, Osa92a, REM21, Rob92, Rob98, Sal96, Ter23, VB92, YZBJ21, ZZX+23]. **Vector-Orthogonality** [Van02]. **Vector-Padé** [GM03]. **vector-valued** [Rob92]. **vectorized** [Sid17]. **vectors** [Ber14, BP19, GM96, Meu12, PW16, PWCsL18]. **vehicles** [DIM22]. **velocity** [LN22]. **Venice's** [CDF99]. **Verification** [MO04, NW04, LL14, OOO11, RW11]. **verifications** [MdR13]. **Verified** [LS15a, LWG18, RG10, MC08, Rum14]. **verifying** [KKO17]. **versal** [Sto93]. **Version** [DL04, Han99, AG23a, BD00, BX19, Han07, JR10, MH23, MBJ17, Rha22, Sid17, Śmi13, ZCTD24, DCM+13, DCMM13]. **versions** [MJ18]. **versus** [ART14, DPR23, FS01, Maz18, Sei98]. **vertical** [CCV07, Mez22, SG17, ZZLV23]. **via** [AWH+24, APST21, BCL00, BEQOR14, BG91b, Cau22, CHHL18, CMP22, DHJJ10, DMR20, DMR21, DLC14, El 18, EN11, FY19, GGN18, GV99, GKL21, GK20, GSV96, HIK17, Hua21, KJ18, KS18a, KP09, LM01, LEK21, Lig93, LCHH21, LR14, LCW21, MT18, Mic23, Nar05b, OB16, Ria16, Sid20a, SGK+99, TA24, THF21, TO21, The12, VBG96, VRM23, WQL20, XQZ24, ZM94]. **vibration** [LCW23]. **vibrations** [QLZX11, WWD+12]. **Vibro** [Dum03]. **Vibro-Impact** [Dum03]. **VIEs** [AHP20]. **View** [Cor02]. **Vignes** [AL04]. **violated** [PR93]. **Virtual** [LCGH23, DN19, HCBAEC23, KP22, LBF24, LN22, OBAHK+19, RW06, SGO22, Sut17, WZ22a, ZF22]. **viscoelastic** [KBP17, WSY12, ZD21]. **Viscosity** [CSI17, CSI18, KGN+24, MN17, NM14, TH19b, THS20, VA20]. **viscous** [TCOA19]. **visual** [GKL21]. **visualization** [JJK97]. **VLSI** [Gro93]. **VMS** [YJ18]. **Voigt** [KBP17, Pan18, ZD21]. **Volterra** [AAH20, CQ16, CIP10, CCHH23, CDI14, CPS12, DEC24, DSI11, EED19, FHS12, FH15, GH09b, Gu20, HST15, HCXL20, KMH24, LDH23, LM21, ML20, MH21, MH23, Maj14, MV17, MNS23, MMLM20, NS24, NLT21, ÖRBB14, RT12, SMN24, WQL20, WHD22, WHL24, WWL24, WLJ24, Xu19, ZA20, ZH23]. **Volume** [ABMV03, Ano04a, Ano04c, Ple03, CV15, DJS20, FZLL23, LZZ24, PNW17, SW22, SKJ+18, Val14, Val15]. **Vorobyev** [Str09]. **Voronoi** [KK23, SSH19b]. **Voronoi-splines** [KK23]. **Voronovskaja** [Tac12]. **Vorst** [GMS99]. **VPAStab** [GM03]. **Vries** [TA24, YZZL17, YZLZ22]. **vs** [ABL...12, Cve06, SKSS21].

W [GPHHAPR18]. **walk** [Dam08, Mil20]. **wall** [MFK+15]. **walls** [MSM12].

Walter [Gau11b]. **Wang** [MA15]. **Water** [vdHS02, ASZ23]. **Wave** [CK22, AD17, AF13, BZV16, BCJ22, CY19, CMWP20, DWZ14, DEC24, DS09b, DAM16, DW21, DW22, lDzS21, hGzS17, HDP18, HTVY13, HYJ20, KB20, LLX20, LZ23a, LP20, LW22, LZZ24, MS23a, MR12, Nat07, Sal17, SHF15, SCF23, SzS21, Tom11, Wan15b, WW19, WSZ21, YZL20, Yua21, ZR17]. **Wave-heat** [CK22]. **Waveform** [JM18a, LJWW21, PT19, vLV02, BX17, CDP16, CG13, Fan19, OM18, SJ14, SJW21, TPLB22, ZJ14]. **Wavefront** [ZS03]. **Wavelet** [JM00, KZS21, Kun01, ADN17, BC05a, BK08, CK05, Ehr97, FT05b, ITA24, Kun05, MP13, NRV23, PQ95, ROB18, SA23, TK94, VH92, YXL18]. **wavelet-based** [BK08, SA23]. **wavelet-homotopy** [YXL18]. **Wavelets** [DDG05, FT02, Mic91, MRU91, NLT21, PSS10, ROB17, REM21, Spr98, Tur94, VM17]. **wavenumber** [GM20]. **wavenumber-explicit** [GM20]. **waves** [CM99, CCJC18]. **waves-bordering** [CM99]. **way** [Lev05]. **Ways** [MKO04]. **Weak** [SYZ22, TH18b, TSI20, WYZ21, AUA22, ABB15a, ABB15b, AABM17, Bac23, BGZ20, GGNF17, HH11, KLR07, LZ23b, MWWY13, TX19, UA09, USM24, VH10, WK14, WK16, YWS20]. **weak-Chebyshev** [GGNF17]. **Weakly** [LL16, AAA24, Bai97a, Bai97b, Gar20, GKV23, KM24b, LDH23, LWN13, ML20, MH23, Maj14, MMLM20, NS24, SP21, WQL20, WHD22, WLJ24, ZXF14]. **Wei** [Deh20]. **Weight** [dABR01, DPS18, DMS09, Gau09a, Gau10, Gau14, Gau17b, Gau22, GM22, KW96, Leo07a, MS14a, OPSM22, PW14, Spa20, TD09, Ver99]. **Weighted** [Car10, Ess98, HKKN12, RB21, WC23, ZTW19, BL95, CBGVPP09, DL18, DMR21, Gaj05, God15, GP14, HW00, KV07, Kva14, LEK21, LWJ21, ME95, OMW21, OAR22, SGS13, SSK23, YXS22, ZLZ23]. **weighted-Newton** [SGS13, SSK23]. **weights** [Ber93, BLS92, BEGG91, LMV24, Not08, Pej14]. **Well** [AC94b, DHS97, Ant22, BDN17, CDG23, CZ20, Kub15, Mok16, WZQ17]. **Well-conditioned** [DHS97, Ant22]. **Well-defined** [AC94b]. **well-determined** [Kub15]. **well-posed** [Mok16, WZQ17]. **well-posedness** [CDG23]. **well-separated** [BDN17]. **Welsch** [MS14a]. **WENO** [GB21]. **WG** [XZZ22]. **Where** [Lev05]. **Which** [LL05, Ila20, JB22, PR10]. **white** [MKBY19, WC24]. **Whitham** [MV14]. **Whitney** [Loh22, RRZ21]. **Whittaker** [GG01]. **Whose** [Kol04b, Sid20a]. **wide** [Gor18, SMZMA18]. **wider** [CKS16]. **Wiener** [Ste24, YLYZ23]. **Will** [Lev05]. **window** [GGN18]. **windows** [CG13]. **Windschitl** [LSM16]. **Wire** [ZKD02, ZKD04]. **wise** [CHS19]. **without** [DG94, Iid24, JCL16, KH20, Pie96, WZ16, WK16, WYZ21, WXT22, YYZ22, ZH17]. **Wixom** [BF18]. **Wolfe** [MSZ20]. **Wong** [KJ18]. **Work** [DR01, Bre06a, Gau95, GG08]. **Work-Bound** [DR01]. **Workload** [FLH04]. **Workshop** [Ano93, Ano95c]. **wormhole** [LRC19, ZYJY22]. **worst** [BDL+12, GS21, HL06]. **worst-case** [BDL+12, GS21]. **wrapping** [AHL20, Bün18]. **WWP** [YLL22]. **Wynn** [Bre19, CHH+20, DS23]. **WZ** [Wim99]. **WZ-algorithms** [Wim99].

Ye [YZLP16]. **yield** [Ver24]. **Yosida** [RIAA19, WZ22b]. **Yosida-regularization** [WZ22b]. **Yuan** [Deh20, Zha09]. **Yukawa** [CG20].

Zaglia [CHHL18]. **Zakai** [KJ18]. **Zakharov** [MV13]. **ZD** [GLS+18, ZLG+13]. **ZeaD** [YZH21, ZQL+19]. **Zero** [BL04, SFT03, ARY17, CS12, DD99, ER19, Gau08b, OL21, ST22, SHLY18, TB19]. **zero-finders** [ARY17]. **zero-one** [OL21]. **zeroes** [Ron08]. **zeroing** [CZ20, ZHY+20, ZLL+21a]. **Zeros** [BDJ11, CGM12, CMR16, DJ02, DJ18, GG01, GKS04, INR01, VC00, ADGP15, BRW11, Bin96, DL01, DJM08, EL08, GL07, GG08, Gau09c, Gau09b, Gau11b, Gau18, Iva17, JNW92, KG23, KJG23, LM97, LZ22a, LM08, LR14, PHI98, PM05, PMM11, PR14, Seg98, Seg08, SH23, THS20, Yak94]. **zeta** [Joh15, Vep08]. **Zhang** [AWH+24, JZ16, Ovi22, ZXRL11]. **Zhang-type** [AWH+24]. **Zigzag** [TA24]. **Zones** [KPFG04]. **Zonotopes** [Mar04c].

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