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$(0,\infty)$ [BE07]. $(0,m)$ [dB05b, dB05a]. (A,η) [DF08]. $(d+1)$ [KV09a]. $(\mathrm{d}\,u/\mathrm{d}\,r)$ [Moh05]. 0 [MVVA06]. 1 [Hsu05, LP07c, MDT09]. 1/9 [SS09e]. 2 [BCH06, CGRGVP08, DL05, Ehr06, GC06, HV06a, KSE09, LN09, LYT07, NGS05, TS06a, WHG07, XXL08]. 3 [BGP07, BFGM06, BCK07, Cim08, GMM09, GF08, KD05, LLL06, LT07, Li06a, LC08c, MMM08, MK09, Scu09, SBO09, VVE08a, VVE08b, ZGV06]. 6 [DS09a, HKA07]. 8 [LW06b]. $[-\infty,0]$ [BGVHN05]. $[0,1)^s$ [LP07b]. $[0,1]$ [Has09a]. [3/2] [GMFB06]. $]-\frac{\pi}{2},\frac{\pi}{2}[$ [Cho05]. ^{1} [LP06b]. ^{2} [HS09a]. ^{X} [TYH08]. $_0$ [ZZ09a]. $_{10}\phi_9$ [LV07]. $_2$ [AM09a, CZ08b]. $_2F_2$ [Par05b]. $_3F_2$ [Ext99, Mil06]. $_3F_2(1)$ [Mil07]. A [FD09]. $A^{(2)}_{T,S}$ [SCG08]. $A^*X+X^*A=B$ [Djo07]. $A^HXB=C$ [yPyHZ07]. $A^{(2,3)}_{T,S}$ [YL09a]. α [FSL09, Jay08, MPR07]. $AXB=C$ [HYG08a]. B [PJ06a]. BaF_2 [BRVWM07]. C [LP06b, FLS06]. C^* [Par05c]. C^1 [CHNZ08, DL05, MB06, PS08]. C^2 [CJ06, Han05, YS06, DS09a]. C^M [CD07b]. C^r [BFGP08]. $\mathcal{O}(1)$ [BG07f]. $\mathcal{S}$ [Mor07]. $\mathcal{S}_m$ [Sid05]. D [QWW08, ZW09a, Ant09, CZ07, CLO09, Kok05]. $\{D_n\}$ [WK07b]. Δ [AGMMB05]. δ^2 [AGM09]. E [KKW06]. ℓ_2 [MYY06]. ϵ [BMW08]. η [PZ08]. η_j [Cof09b]. F [Abd08, CZ08b]. $F(a,b;c;z)$ [FLS06]. $f(x)\sin(w/x^r)$ [Has09a]. G [Ant08, HS09a, LW08d]. G^1 [MW08, MW09c, WM09]. Γ [Yam08]. $\Gamma(1/x)$

[Alz06]. $\Gamma(x)$ [Alz06]. GMRES(m) [BJK09]. H [AU09, BISS05a, BS07, CK05, HR05c, LF08, MPS05, PJ06a, Yun08a, yZXL09, ZHG$^+$09, Din05a, YG09b]. H_A [Tur09]. H_∞ [MZC08]. $H'_\nu(x) + i\zeta H_\nu(x) = 0$ [SA07a]. $H_{q,\omega}$ [Pet07b]. hp [ER09, Sur05, GGD08, SV07b, VS08]. I [BFP09, KN06, Tem09]. ijk [Moh09]. $\int_a^b f(x)e^{i\omega g(x)}dx$ [Xia07b]. J [CK09b]. K [LF07b, LF08, ÁNPQ05, FY06, Kil07, LRH07, MW09b, XY05]. $K(2,2)$ [Waz07b]. $K(n,n)$ [AEET09, LWW08]. $K(p,q)$ [TY07a]. $K+1$ [CHJZ09]. $K_{n=1}^{\infty} a_n/1$ [LW05a]. L [BBR05, HJR07, tLxLlW07, RS08b, RH09, WtL09, YH09b, Yun08b]. L^1 [Las09]. L^2 [GNP09]. $l^2 \times l^2$ [LZ05]. L_1 [CFL05, WFL07]. L_2 [HW08, PVC06, VC06]. L_∞ [PVC06]. L_p [CW08c]. LU [AKK06, Moh09]. M [CW08d, KBA09, LGYH09, LC09b, MS07d, WS09a, Yun05b, ZM09b, HY09a, HJK09, JG09, LZ08a, LZ08b, LZ09b, LZ09c, LLW09, Pre09, Sal09, SS09b, ZC08a]. $\mathbf{R}^1$ [RS05c]. $\mathbf{R}^2$ [Roo06]. $\mathbf{R}^N$ [AV06, EE06, Koh07, SFV09]. $\mathbf{S}^{q-1}$ [Fer07]. N [CKT09, GPTT05, KL08a, CKWZ07, CHCW05, Dub09, FWY09, JG09, Lei08b, LZ09c, LM07b, Par05c, Sto06, WW07]. $O(k^2 + kh^2 + h^4)$ [MS07c]. ω [Yun05b]. P [DWW06, LW07, LP07c, PZ08, Tsi06, Van06a, Van07a, ZZ09a, BB05, BE07, DF08, Gal09, GJL08, HM09a, He05, HWY09, Hon07, Liu08a, LOA05a, LOA05b, LJ09, Luo07, ML09, WSM$^+$09, XKF06, YG09b, ZFG08]. $P_*(\kappa)$ [Cho08, WB09]. P_0 [CP08b, MC08]. $P_m = (I + S_m)$ [KN09]. ϕ [Lin09a]. q [AÁN07, AGRZ05, CJ07, CZ08b, CS09b, DF08, DO06, IS09, OS07a, PV05, RK08b, YH05]. QR [DV06a, DV06b, Gem05, SEAA08]. QZ [VVV08]. R [CGP09, EH06, HR05b, Yua09, Ant09, Pre09]. sinh [EJ07]. T [CG05, DCF06, Mar07c, WWP09, SO05]. θ [CEJ09, Gan07, KVK08, RS05c, WYL09b]. $VA + A^*V = \mu V$ [Koh08]. VPAStab(J, L) [GM09c]. W [Ehr06, FL08b, Nov08]. $X + A^*X^{-n}A = Q$ [Iva06]. $X + A^*X^{-\alpha}A = Q$ [yPESlZ07]. $X + A^\star X^{-1}A = Q$ [ESAD05]. $X - A\overline{X}F = C$ [WWD09]. $X - AXF = C$ [WWD09]. $X - \sum_{i=1}^m A_i^* X^r A_i = Q$ [DL09c]. $x_{n+1} = (\alpha - \beta x_n)/(\gamma + g(x_{n-k}))$ [ZSZ05]. $y'' = f(x,y)$ [FT08, Van07b]. $y'' = f(x,y,y')$ [VAR06]. Z [CHS08, Kon07, NT06, WHF07]. $\zeta(2n+1)$ [DH06].

-accretive [AU09, DF08, PZ08]. **-Adaptive** [GGD08]. **-adic** [HM09a, YH05]. **-algebra** [Las09]. **-algebras** [Par05c]. **-algorithm** [BMW08, DV06a, DV06b]. **-analogues** [CZ08b]. **-asymptotically** [Tem09]. **-based** [Gem05, KKW06]. **-Bernoulli** [RK08b]. **-cardinality** [FY06]. **-centrohermitian** [LF07b]. **-centrosymmetric** [LF08]. **-constant** [HKA07]. **-convergence** [Yam08]. **-curve** [HJR07, RS08b, RH09]. **-curves** [PJ06a]. **-D** [Ehr06, Li06a, LP07c, LC08c, NGS05, XXL08]. **-decomposition** [AKK06]. **-difference** [AGRZ05, DO06, IS09]. **-dimensional** [BFGM06]. **-discrepancy** [VC06]. **-eigenvalues** [QWW08]. **-error** [GNP09]. **-expansion** [Abd08]. **-FEM** [SV07b, VS08]. **-fold** [XY05]. **-functions** [MS07d]. **-gap** [ZW09a]. **-Ginzburg** [Lei08b]. **-invexity** [MPR07]. **-Jacobi** [CS09b, PV05]. **-Laguerre** [OS07a]. **-Laplacian** [BE07, Gal09, GJL08, He05, HWY09, Hon07, Liu08a, LOA05a, LOA05b, LJ09, ML09, WSM$^+$09, ZFG08]. **-like** [SEAA08]. **-linearly** [CGP09]. **-matrices** [LC09b, Yun08b, CHS08, CK05, HR05c, tLxLlW07, LF08, NT06, WHF07, WtL09, WS09a, Yun08b, yZXL09, ZM09b]. **-matrix** [CW08d, LGYH09, Mar07c, Yun05b, Yun08a, ZHG$^+$09]. **-maximal** [Din05a].

-meshes [DCF06]. **-method** [CEJ09, VVV08]. **-methods** [Gan07, KVK08, Nov08, RS05c, WYL09b]. **-mixing** [Lin09a]. **-monotone** [FD09]. **-node** [LW06b]. **-norms** [MYY06]. **-order** [EH06, HR05b]. **-orthogonal** [BBR05, Pet07b]. **-orthogonality** [CLO09, Kok05, CZ07]. **-pencil** [KV09a]. **-periodic** [SO05]. **-point** [CHCW05, DS09a, HY09a, HJK09, JG09, LZ08a, LZ08b, LZ09b, LZ09c, LLW09, Sal09, SS09b, ZC08a, GPTT05]. **-policy** [CKT09]. **-polynomials** [AÁN07]. **-pre-invex** [Ant08]. **-preinvex** [LW08d]. **'-problem** [SS09e]. **-proximal** [KBA09]. **-rational** [LP06b]. **-regular** [BS07]. **-series** [CJ07, CZ08b, LV07]. **-sesquilinear-quadratic** [Par05c]. **-shaped** [YH09b]. **-simplex** [Sto06]. **-Sobolev** [AGMMB05]. **-species** [WW07]. **-sphere** [LM07b]. **-splines** [BISS05a, CJ06]. **-stability** [FL08b]. **-stable** [MVVA06, Van07a, DWW06, LW07, Tsi06, Van06a]. **-step** [DF08]. **-surfaces** [BFGP08]. **-symmetric** [Yua09]. **-th** [BB05, CKWZ07, Dub09, FSL09, JG09, MW09b, Luo07]. **-th-copy** [LRH07]. **-th-order** [FWY09, LZ09c]. **-Toeplitz** [ÁNPQ05]. **-transformation** [Ehr06]. **-type** [GMFB06, Ant09]. **-uniformly** [DF08]. **-univexity** [Jay08]. **-version** [XKF06]. **-waves** [LP07c].

/1 [WK07b]. **/G/1** [TYH08].

1 [AA09b, ÉT08, TYH08, Ver05, WWP09, WK07b]. **173** [KYF05a]. **1734** [Gau08]. **184** [ByXy06]. **189** [GPPRB07].

204 [AMO08]. **206** [Yun08b]. **214** [yCyZ09]. **217** [SZ09b]. **219** [LC09b]. **224** [LHL11, TSC10, ZJ12]. **231** [Dai11, LB10]. **233** [Asl10, vDvFZ13]. **2nd** [Ano05-33, Ano05-34, Ano05-35, Ano05-36, Ano05-37, Ano06-28, Ano06-29, Ano06-30, Ano06-31, Ano06-32, Ano06-33, Ano06-34, Ano06-35, Ano06-36, Ano06-37, Ano07-32, Ano07-33, Ano07-34, Ano07-35, Ano07-36, Ano07-37, Ano07-38, Ano07-39, Ano07-40, Ano08y, Ano08z, Ano08-27, Ano08-28, Ano08-29, Ano08-30, Ano08-31, Ano08-32, Ano08-33, Ano08-34, Ano08-35, Ano09z].

65th [VAW07].

= [BCH06, Ben07].

ABC [GST06]. **Abel** [CC06a, CC08, CJ07, pLT07, SH09]. **absolute** [BB08a, DZ09a, Dmi08]. **absorbing** [Tar09]. **absorption** [Fer09]. **abstract** [LCA07]. **accelerate** [Koç08b]. **Accelerated** [And09b, HR05a, Kou08]. **Accelerating** [SaLJ08]. **acceleration** [TF07, VRL07, VR08, ZW09d]. **accommodating** [BdAR08]. **according** [Sie07a]. **accretive** [AU09, DF08, PZ08]. **accumulation** [ZL09b]. **Accuracy** [VR08, BG07d, DZ09a, FZL07, Har08a, JF06, JR08, LCZ09, NGS05, YY07a]. **Accurate** [DAE05, BD07, CH09, DRT09, LT07, LG07, Rad05, RVAD08]. **accurately** [AOSY05]. **acoustic** [Dem07a, DDLM07, GLS07, HMPR07, HKM08, Jen07, LmLgF09, RDH07, ZP06]. **acoustics** [TS05]. **activated** [KRAH07, ZBB$^+$05]. **activation** [CG05, Liu07]. **activations** [Moh07]. **active** [EM08a, IV08, Liu05]. **acute** [YY08]. **Adams** [Gar09, JL06a]. **adaptation** [GM07b, MS09c]. **Adaptive** [BN08b, Ban08, FLMR07, FP08, HT06, HO09, JF06, KVK08, Lai09b, Lan05, LT06b, LRT06, Par08b, SWZ05, SW06a, TL09, AAPP07, AS09b, ABG06b, ABP08, BH07a, BH09, BKB06, CGPM08, CMV09, CCCH09, DA09, DVCH06, DDL09, Gan08, GKMS09, HKB$^+$05, HJR07, HAS09b, HRGD08, Hos09, HGS06, LS06a, LY05a, NQDJ06, PP09, SS09c, Sha08, TYH08, WSST05, Wu07, YW08, ZZZ06, ZT06a, GGD08]. **add** [MS05b]. **added** [Hat09]. **adding** [AEET09]. **additional** [Bno07a]. **additive** [LZ06, Toc09, Wik08]. **adhesion** [CG05]. **ADI** [BLT09, FZL07, HL07a, TG07]. **adiabatic** [SS08]. **adic** [HM09a, YH05]. **adjacencies** [PR05]. **Adjoint** [MSB05, AGH06, BR07b, Car05b, Cha07, EGFOA09, EGFO09, EMMP07, KN06, KM09c, LP06a, MV08, MS07d]. **adjoints** [AS09b]. **ADM** [GJM07]. **Adomian** [Abb07b, AHC05, BSC07b, Eba09, Has06, Hos06, HLL08a, JDG06, Jan08, Li09a, Swe07a, Waz07a, Zha05]. **advances** [Bru09, GM09b]. **advection** [ABR07, CVB07, HPS06, Kan08, MBCV09, RVAD08, Roo06, SK05, SKAW09, Wil06]. **advection-reaction** [ABR07]. **advective** [DJ07a]. **aeration** [AHM09]. **aeroacoustic** [LN07a]. **aerodynamic** [FGB07, PLGS09]. **aeroelasticity** [Svá08a]. **Affine** [Zhu06, Zhu08a, CKC+07, HYYF05, Lan08b, Lan08a, MK07, SLMW06, Zhu05a, Zhu05b]. **affinely** [KR07]. **after** [Sim07a]. **against** [Zin05]. **Age** [KS09, LkLkP09, RHQ06, Zha08]. **age-dependent** [LkLkP09, RHQ06]. **age-structured** [Zha08]. **Age-time** [KS09]. **aggregation** [GW09]. **ahead** [GM09c]. **aided** [IOS07]. **AIDS** [CLGG09]. **AINV** [RT08]. **air** [AMO07, AMO08, ZMAZ09]. **aircraft** [DDL09, KGB+07]. **airfoil** [DFHS08, Gon07, MT05]. **Airy** [TV09a]. **al.** [Mil07]. **ALE** [SST09]. **algebra** [GW09, Las09, PPG07, sR07]. **Algebraic** [ÁNPQ05, AKLT09, BG07b, CZ09, DSW08, GGT07, GL06, Guo06, HS07a, HS09b, Hos06, Kuz08, LZZD09, PS05, SS05, SEAA08, SLMW06, Wan08b, rWlC06, XZS07, XFgS06]. **algebraic-logarithmic** [HS07a]. **algebras** [Par05c]. **Algorithm** [XH08, Yi09, AM09b, AMV06, And09b, Att05, BGRS05, BMW08, Bog05a, BC06, BdAR08, Bru08, BD07, CG08a, CDM07a, CC08, CM05b, CCJ07, CW08b, yCyZ08, yCyZ09, CGP09, CNN07, Cho08, Cof09a, DRT09, DV06a, DV06b, DF08, DC09c, DHS09, EIM+09, EM09, Fan09, FL06c, GXgL05, Gem05, HPS06, HJR07, HM09a, He06a, HHC09, HZW08, JLR06, JTHZ05, bJQlZ07, bJxC09, Kaz06, KBA09, KCLW08, KSE09, LCKK06, LFS08, LH09, LZWQ09, Lin08, LXX08, LW08a, LYW08, LCZ09, LL07b, LHR09, MVV08, MGS08, PP09, QCK09a, SVC09, Sak09, Sha09a, SDP09, SJZ09, SLN06, TGB08a, TH07, TLQ08, VRBF07, VMV07, VB05c, VN09, WZ07, WOK05, Wu07, XZ08, YJGL07, YY07b, YCJ09, ZGSF08, ZW09a, ZSGF09, ZZ09b, ZZ08b, ZCL09, Zhu05a, Zhu05c, Zhu05b, Zhu06, Zhu08c]. **algorithmic** [ADDdM05, CLS08, Röb08]. **Algorithms** [CS06b, CW08c, AS09b, AT09c, BMS05, BNP07, BW07a, CMST06, CY08a, CY08c, CZ08a, CHLW08, DP08a, DFZ07, Din05b, Dub09, DS05c, Dus05, FP08, GPS09, KS07b, KK08, Kon07, LM08, Mai08a, MV05a, MVVA06, Mat07a, McC05, NVD08, PLGS09, Qui07, Rom09, SW06b, VAMVC05, WB09, YN08, YSY09]. **aliasing** [GPV05]. **allelopathy** [CLCL07, LC06b]. **allocation** [GBR09, WW09, YW08]. **alloys** [Ahm07]. **Almost** [Hsu05, Liu07, PDM08, RS05c, CV09, KN06, LH07a, MLH08, Sch07b, ST07]. **along** [HeM05]. **alternate** [Mur07]. **alternating** [Qin09, Yu06, Zhu07]. **alternation** [Bla05]. **Alternative** [JM07a, SdJMH09, YW09a]. **amenability** [Las09]. **American** [BS08b, HLJ09, KVK08, LWH09b, NST08, TGB08a, ZDC07]. **amplification** [CC06b, Van07b]. **amplification-fitted** [Van07b]. **amplitude** [CU09a, OW06a, SC07a]. **analog** [FHtMP06]. **analogues** [CZ08b, Moh08]. **analyses** [BG07a, FH09b, GP08]. **Analysis** [BGJ07, BD06, CFHM06, Chr09, Cui08, DB08, Dol08, ER09, Fai07, GSBB09, HK07a, JW08b, LN09, LTC06, Nag09, NSC07, Tar09, TY07b, TV09b, WNZ09, WK07b, YA08, AHM09, ABD+05, AB09b, BP06, BF08a, Bou07a, BG07e, Bru09, BSKS07, CLGG09, CFV06, CY08c, CHS07, CNN07, Cho05, Civ07, Cop05, CHV+08, CDM07b, DP08a, dCDND06, DF09, Dom09, EKEHR08, EJ07, ÉT08, EPP+09, EKL+07, FFK05, GVC+08, GHT06, HCL08b, HeM05, HyLC06, HGS08, HL09c, IV08, Jia06, JW08a, KJ09, Kar06, KM09a, KG09, KKLY06, KS06, Koi05, KLS+07, Li06a, Li07a, Li07b, LZ09a, LY09, LWMT07, LLZ09, LP09, LL07b, LRB05, MDP08, MSB05, Meh05, MMS+09, Pie09, RK08a, Sen07, SC06a, Tac07, Tan06, Tor05, TM08, VMMM09, Val09, VRL07, VR08, VN09, WPC08, WCW09, WLL09, WZ06, WL09b]. **analysis** [Won09a, WH09b, XC08, XGM09, YC06, YZ09a, YZL08, YHH05, ZBB+05, ZC08b, vdBHPS07]. **Analytic** [GS06c, HAS08, Soh05, XFgS06, AS05d, AAK06, FG09, HPS06, JT09a, Lóp07a, MSP08, MSP09, NSS07, Osa08, Rea07, Sch08, Sza05b, VJ09, YA07]. **Analytical** [HLL08a, LKSC06, LM09a, QW08, RDH07, Tem07, eMH06b, Ahm07, ÁNPQ05, Bat08, FFSS09, HK08, HY09b, LYB09, LB07, PT09b]. **Analytical-numerical** [LKSC06, LM09a]. **and/or** [Fin08]. **Andersen** [GY08, YZ09b]. **anergy** [CSG05]. **Angelesco** [BFM09]. **angiogenesis** [KS07f]. **angle** [BBB07, Den07a, MS09b]. **Anisotropic** [AG06, YA07, CYM08, Jai06]. **announcement** [CSZ09]. **Annual** [Zhu08d]. **annuity** [Spr06]. **annular** [Li09c]. **annulus** [HC08]. **anomalies** [LB07]. **anomalous** [LYB09, LXZG09, Sch06a]. **anomaly** [yCyZ08, yCyZ09]. **antenna** [JAE09]. **Anti** [FWY09, GHZ06, Liu09a, yPyHZ07, Sha09b]. **Anti-periodic** [FWY09, Liu09a, Sha09b]. **anti-reflexive** [yPyHZ07]. **anti-symmetric** [GHZ06]. **anticontrol** [LY05b]. **antigen** [ZBB+05]. **antigen-activated** [ZBB+05].

AOR [Yun08b, tLxLlW07, THC08, WtL09, WS09a, Yun08b]. **APC** [CSG05]. **Apéry** [Zud05]. **Apéry-like** [Zud05]. **apparent** [MS06b]. **Appl** [AMO08, Asl10, ByXy06, yCyZ09, Dai11, GPPRB07, KYF05a, LC09b, LB10, LHL11, SZ09b, TGJ19, TSC10, Yun08b, ZJ12, vDvFZ13]. **applicability** [KM06]. **Application** [AYK09, AHM08, BMC09, CLQ09, CHS06, CMRS06, DS08, Ehr06, FHM09, GS07a, GJM07, HAS09b, Log08, LW08b, MSB05, QW06, SVC09, SZD09, Sid05, SS08, Svá08a, Abb07b, BLR07, BK09b, Boy09, BSS09, CW08a, Dol08, FHZ09, HO06, HL09c, KAP07, KRAH07, KSE09, Lan08a, LRV+09, LBS09, Mar08, Qi09, SV07a, SAFS07, Tor08, TM08, Val09, XTZ06, YB05, ZLLW08, ZLYW09, ACV05]. **applications** [Abd08, AZGN06, AABL08, AI06, BRVWM07, ByXy05a, ByXy05b, ByXy06, BFGM06, CMX09, CJCD06, CZ09, Che09, CD07b, DGS06, DS05a, DK06b, Gei08, Gei09, GS08, JAE09, Koh08, KKS+07, KLS+07, Lai09b, Lan06, Las09, LH05b, LHM05, LZ06, MC07, Ma08a, MST05, MJ07, Mon09, NH08, PT09b, PN06, QCK09a, SP09a, SCS08, SLN06, SS09d, TYZ+05, TV09a, TS06b, Tsa09, VMMM09, Wan07a, WPC08, WeR07, Wu08, YZ09d, YL09a, ZL09a, ZWY09, vdBHPS07, ÁNPQ05]. **Applied** [BBG05, AKW05, BSC07b, CU09b, Fin07, HBS+07, OMC08, PP09, Pul09, Suz05, VN09, WLMS08, WDC+08, ZXZ09]. **Applying** [TND+09, MK07]. **Approach** [CU09a, AS05c, AA08, ADLT09, BLR07, BMfX07, BS08b, BBB07, BNDN09, Cak07, CG08a, CS09a, Civ07, DA09, DS06, DVCH06, Den07b, EM06, FL09b, FG07, GGM06, GS06b, HS08a, HHST05, IOO07, JT09a, KL08a, Kho09, KGW09, LZ09d, MLL09, MP06a, MG08, MO07b, MLOP06, NL05, PW08, Pit09, RM07, SL06, Sie07b, SD09, Tok07, VV09b, WLMS08, XGZ09, YYF09, YZ09d, YJY06, YW09a, ZMH09].

approach-application [BLR07]. **approaches** [ABB07e, BBF+05, JM07a, SEAA08, Wil06, WDC+08]. **approximant** [GS08]. **approximants** [DMGVP05, GPTT05, GMFB06, MV05b, Mat07a, Sab08]. **Approximate** [Bat08, CY08a, GEK09, JKM09, MB07a, MNHA09, SyS08, YG06, And09a, BY09, ED06, Enr06, FC09, HL07b, HYG08a, LXX08, LS06c, MN07b, Smo06, Wil06, WA08]. **approximated** [Yam08]. **Approximating** [Lu09a, XW09, ELA09b, HR05a, Rom09, SRB06, SCS08, SH09]. **Approximation** [AS05c, Ben07, CC07, CGPS08, HV06a, KLLP06, KP08a, KP08b, LNL09, MW09b, PRZW08, Vol08, ZP06, Abb07a, AH07, AAK06, AR09b, And09b, BF05, BGRS05, ByXy05a, ByXy05b, ByXy06, Bla05, BCP07, BT09, CY09, CYZ09, CLN09, CEJ09, Cop05, CD07b, CK08, DH06, DR08, DP08b, EGFOA09, Eng09, Fai07, GJ08, GA09, GHZ06, GSBB09, GNP09, GNS06, GW06b, HS09b, Her09, HMG06, How09b, HV05, KP07, KR08, KSVW07, KKD06, LS07a, LF07b, LLT07, MW07, Mur07, Par05a, Par08a, PR08a, RD08, Roo06, SFSK07, SK09a, SWZ09, SY09, Svá08b, TG09, WT08, Wri08, Xu05a, Xu07b, YWD09, YB05, Yua09, ZW06a, ZLA07, ZLLW08, ZW08, ZYLY09]. **Approximations** [MYY07, Yüc06, Zud07, ALR05, BLP07, CYB09, Chr09, CCS05, CH09, Dun06, EZ07, Fin07, Ham09, KS07c, LC08a, LY07a, LS05, Mao07, NH08, RVA07a, Spr06, TR09, VCD+08, YG07, YZ09d]. **aquifer** [Har08b, KY07]. **arbitrarily** [OTOR07]. **arbitrary** [EE06, ET06, GH08, KKLM06, Log08, LW06c, LLC08, SF08, SV09, TYZ+05]. **arbitrary-order** [Log08]. **Arc** [SLZ06, SFV09]. **Arc-length** [SLZ06]. **ARCH** [HL09c]. **architecture** [Saa06]. **area** [IT07]. **argument** [Ext99, Liu08a, LJ09, Mil06, SAD07, SWYZ09, XW07b]. **arguments** [GX09, MLH08, Sza08, WTL05, WSZ09, WSM+09, Won08, YLN09, ZL07]. **arise** [Woj06]. **arising** [CJCD07, Deu07, GZ05, Guo06, LXUK06, NL05, Nou07, TS05, Var07, WF09]. **arithmetic** [CKC+07, FHL07, MK07, RKAH07, SLMW06, VDL+06]. **arithmetic-type** [CKC+07]. **ARK** [Moi05]. **ARKN** [Fra05]. **Arnoldi** [LR09, LBS09, VRBF07, Wu07]. **array** [Oga06, OA06]. **arrays** [FIR06]. **arrival** [KL08a]. **artery** [ICW+09]. **Artificial** [HZBM06, AEET09, HLY09, Moh08]. **Asian** [DDV08, FL08a, Hug06, LWH09b, VDL+06]. **Askey** [CLO09, Koo07, VZ08]. **Askey-scheme** [CLO09]. **aspects** [ADF07, ÁNPQ05, BBPR09, BG07b, CDV08, CKWZ07, CLS08, Hui05, PD06, RS05a, Roo06]. **Assessing** [LWH09a]. **assessment** [GVC+08, Joh05]. **asset** [NST08, WWFV07]. **assignment** [FY06]. **assimilation** [MDB06, RCR05]. **assisted** [CBH07, Sch07a, Wat09]. **associated** [Ass09a, BISS05a, BBR05, Ben06, BFM09, Cho05, Cla05, DMGVP05, GM09a, GQ09b, Kok05, KW07, LZZ09, LF07b, LD06, Skr05, Swa06]. **associative** [SC07b]. **astronomical** [ABB+07d]. **Asymmetric** [DGS06, PRL09, Tay08, CT09b]. **Asymptotic** [BCGA05b, BDS08, CHBMBR07, Dom09, EPS05, FLS08, IV06, Jia06, KS07c, KTM09, LL01, LS05, Lóp07a, Luo06a, Osa06, Pet05, Sto05b, TV09a, Wan09a, WYO09, YM07, YXJG08, YW09b, AS05a, ADMM07, CdWJ06, Dun06, FL06a, IV08, JM07a, KT09, Lin09a, MM07, Oou08, Par05a, Par08a, RS05c, Sav08, SLH06, SK06, TXZ09, WYL09b, ZZ06b, vD05]. **asymptotical** [ABÇ06, XZL09]. **Asymptotically** [Gil07, Tem09, Thi09]. **asymptoticity** [Ela09a]. **Asymptotics** [RS05b, AGMMB05, CW05, CW08d, MOZ07, MOC09, MB05, Par09b, Par09a]. **Asynchronous** [EFS05, MSE08]. **atlas** [TM08]. **atmosphere**

[BB09a, CdVT07, SM07]. **atoms** [Sie07a]. **attempt** [Gau08, IOS07]. **attracting** [ABP06, ABB+07c]. **attractive** [LC06a]. **attractivity** [FL09c, LW05b, LH05a, LF07a, WJS+09]. **attractor** [ZZL08]. **Attractors** [LZ05, RW06]. **augmented** [BG07a, FHM09, GMM09, Sta07, TJ08, WHZ09, ZhL08]. **Author** [Ano05g, Ano05h, Ano05i, Ano05j, Ano05k, Ano05l, Ano05m, Ano05b, Ano05a, Ano05c, Ano05d, Ano05e, Ano05f, Ano06b, Ano06c, Ano06d, Ano06e, Ano06a, Ano06m, Ano06n, Ano06f, Ano06g, Ano06h, Ano06i, Ano06j, Ano06k, Ano06l, Ano07a, Ano07b, Ano07c, Ano07d, Ano07e, Ano07f, Ano07g, Ano07h, Ano07i, Ano07j, Ano07k, Ano07l, Ano07m, Ano07n, Ano08a, Ano08b, Ano08c, Ano08d, Ano08e, Ano08f, Ano08g, Ano08h, Ano08i, Ano08j, Ano08k, Ano08l, Ano09a, Ano09b, Ano09c, Ano09d, Ano09e, Ano09f, Ano09g, Ano09h, Ano09i, Ano09j]. **autocorrelation** [MPXK06, SJZY09, SJZ09]. **autocorrelations** [ZSGF09]. **automata** [Aki08]. **autonomous** [LC06b, ZCS06]. **auxiliary** [GH06, ZLYW09, ZA09]. **Average** [PR05, BH07b, Gu07, Kag09, MLY07, ZZL08]. **average-shadowing** [Gu07]. **averaging** [AHL+05, Cao08]. **avoid** [AMCM05]. **axes** [rWlC06]. **axial** [BFT07]. **axis** [GPTT05, vOP07]. **axisymmetric** [KS07b, Nke05, Soh05].

B [AM09a, AS05c, Bej06, CMS08, DSI06, GXZ06, KGA08, KRA08, KKD06, LWLL09, Maz08, Müh06a, Ros08, Sab08, WLL06]. **B-form** [WLL06]. **B-spline** [AS05c, GXZ06, KGA08, KKD06, LWLL09]. **B-splines** [Bej06, CMS08, DSI06, KRA08, Maz08, Müh06a, Ros08, Sab08]. **backed** [CH09]. **Bäcklund** [WHG07]. **backtracking** [Zhu05a, Zhu06]. **backward** [Dao07, HK07b, HR09b, KT07a, RLH09, TGJ19, Wil07, ZGH09]. **bacterio** [BLR07]. **bacterio-phage** [BLR07]. **Bailey** [LV07]. **balance** [DJ06, DJ07a, Pit09]. **ball** [HQ06]. **Banach** [AU09, AABL08, ACQ09, Arg09b, CAY09, DF08, FJG08, FD09, HLH07, Kaz06, KBA09, KA06, yL08, PG07, Par05c, QCK09b, QCKK09, RS05e, Sal09, Thi09, WYL09b, XH08, ZTY07, ZC08a, ZLL08]. **band** [Fer07, VMV07]. **band-limited** [Fer07]. **banded** [NS09a]. **barrier** [Tar09, WKY+07, YW09a, YSY09]. **barycentric** [PR07]. **based** [AAPP07, AA08, AG06, AMV06, ABR07, BP07, BGV+09, BC06, CG08a, CLM06, CGPM08, CK09a, Cas07, CM05b, CHS07, yCyZ08, CP08b, yCyZ09, CGP09, CT09b, CDMR07, DC08, DOY08, EIM+09, FR06, FC09, Gás09, Gem05, GC09, GH08, GDA07, GPS09, GBR09, HPS06, Han08, HTS09, HH07a, HG09, HO07, KKW06, KBA09, Kho09, LT05, LH08a, LW08a, LC08b, LL07b, LYZ09, Ma06, MC08, MDP08, MDT07, MT05, MPP09, MLY07, MNMS05, MS09c, NS09a, NT08, NQDJ06, NaLH07, NMM07, PK09a, Pit09, QLJ09, QZY09, RVA07a, SK05, SJV+09, SS09c, SZ09a, SRW09, Sin09, Śmi07, SLZ06, Sur05, TH07, VVV08, VCD+08, Ver08, WK07a, WYW08, WOK05, WeR07, XGZ09, XC06, YOY07, YLSX06, ZLdST09, ZLLW08, ZW09a, ZSGF09, ZZ09a, ZT06b, vdBHPS07, JKK06, OZL09, PW08]. **bases** [BBM07, FTT+05, MB06, WC08]. **Basic** [rWlC06, ABI07, LV06, MJ08a]. **basis** [BB07, DS09b, DT06b, JAE09, LÅH08, LW08b, OS07a, PLMP08, Pir09, RB05, Sch08, SBO09, STB09, VS08, WZD09, YXYJ06, vOP07]. **basket** [DDV08, LO08]. **batch** [CK09b, KL08a, Liu09c, QW08]. **batch-arrival** [KL08a]. **Bayesian** [Cal07, Tor05, YYF09]. **BDF** [MVVA06, RVA07a, VAMVC05]. **BDF-type** [RVA07a]. **beach** [Ehr06]. **beam** [FIR06, lLzS07, WCL08]. **beam-induced** [FIR06]. **beams** [AT09d]. **bearings**

[BSKS07]. **bed** [DP08b]. **bed-load** [DP08b]. **behavior** [AA09b, BM08b, CC09, CHL09, EPS05, LMZ08, LJM09, Lin09a, LZZD09, Luo06a, Pet05, PP05, TH07, Wan09a, Yan06c, YM07, YSYX08, YW09b, Zho09b]. **behaviors** [CLCL07, CHJZ09]. **behaviour** [BdWG06, CL06a, CP09b, FDFL07, FN09, JM07a, KT09, LLT07]. **being** [SHC08]. **Bell** [Dom09, Par09b]. **belonging** [BBR05]. **BEM** [Bou07a, Scu09]. **Benjamin** [OOO+07]. **Berger** [Tur06]. **Bergman** [BFGM06]. **Berk** [AG09]. **Bernfeld** [ZWF09]. **Bernoulli** [CDL05, Gau08, RK08b]. **Bernstein** [Ber05, BB07, BI08b, CEF08, KA08, LW06a, Lin07, LW08b, Lu09b, Sau07, Sza05a, Win06]. **Besov** [GO07, Kam07]. **Besov-type** [GO07, Kam07]. **Bessel** [Sto05b, DMS05, DGS06, DA06, EK07, Har08b, LL01, LD06, Par09c, Xia05]. **Best** [Xie08, BISS05a, KY06, Qi07, QG08, Qi09]. **Bethe** [Sie07a]. **Between** [CK06, AM09a, BCGA05a, COEV05, CFS09, CCW+09, Den07a, DCZ07, FLS08, FT05, HS09a, LW06a, LW08d, Tab07, Waz07a]. **Beyond** [Jay07, MGV07, CSSL09, JLNP06, Sie07a]. **Bézier** [CCW+09, HMH08, KI08, KA08, LW08b, Lu09a, Lu09b, WLL06, XW09, HW08]. **Bezout** [AGRZ06]. **BFGS** [LNL09, XZ08, XSW09, YLW09a]. **BGT2** [RDH07]. **bi** [CY09, CBDGVN07a, CBDGVN07b, DZLL06, GZLL09]. **bi-conjugate** [GZLL09]. **bi-harmonic** [CY09]. **bi-orthogonality** [CBDGVN07a, CBDGVN07b]. **bi-quadratic** [DZLL06]. **biarcs** [MW08]. **bias** [CV06, Han05]. **Bibliography** [Ano05-38]. **BiCGStab** [GM07b]. **bidiagonal** [TM09]. **bidirectional** [SC07b]. **BIEs** [FG09]. **Bifurcation** [JW08a, Ko07, LSTS06, WZ06, XC08, CCS05, DL09b, FN09, KLO08, LRB05, XGM09, Yan06a, YC06, YHH05]. **Bifurcations** [ZCH07, LY05b, ZCZ08]. **biharmonic** [ALR05, Dan06, MDT07]. **bilateral** [Gon06]. **Bilevel** [CG08a]. **bilinear** [KV09b, RS05c, WHG07]. **billiards** [ET06]. **binary** [Ahm07, MCD06, Tor05]. **Bingham** [NT08]. **binomial** [KG09]. **biochemical** [SLN08]. **Biography** [Lor05]. **bioinformatics** [HKK07, KLS+07]. **biological** [HSN09, Nag09, RKAH07]. **Biorthogonal** [CP09c, ARN07, KM05]. **biosciences** [Car06]. **biparametric** [HL07a]. **Birkhoff** [NBSV08, Fin08, WZD09]. **birth** [Chr05, GLV05, SMT07, YH07]. **birthday** [VAW07]. **bisection** [fLxXT08]. **Bivariate** [CDV08, WL06a, dMFPP09, BRIP09, CG08b, CJ06, DL05, DZLL06, GU08, Liu06, LLC08, WFL07, Win06, ZW06b]. **blades** [DDL09]. **Blasius** [AS05d, PT09a]. **Blended** [BMM06, BM07b, DD08]. **blending** [ZT06b]. **Blind** [SJZY09, SJZ09, SC06b, ZSGF09]. **Block** [KL09, ZT06b, BM08a, Bog05a, BJSS06, DKHNZ08, HR05c, KT07b, Śmi07, TM09, WWM07, Wu07, yZXL09]. **Block-based** [ZT06b]. **block-pulse** [BM08a]. **block-SOR** [DKHNZ08]. **block-triangular** [Śmi07]. **blood** [ICW+09, MG08]. **blossoms** [Maz08]. **Blow** [Du07b, KV07, Gal09, HO06, MO07a, Rob07]. **Blow-up** [Du07b, KV07, Gal09, HO06, MO07a, Rob07]. **blowflies** [LF07a, LD08]. **Blowing** [CC09, NMKS09]. **blowing-up** [NMKS09]. **blowup** [MJX09]. **blurring** [DESC07]. **Board** [Ano08m, Ano09k, Ano09l, Ano09m, Ano09n, Ano09o, Ano09p, Ano09q, Ano09r, Ano09s, Ano09t, Ano09u, Ano09v, Ano09w, Ano09x, Ano09y]. **Bochner** [VZ08]. **bodies** [KBSK08]. **body** [ABF+07, CFS09, TANT09, XZS07]. **Boltzmann** [DL07a]. **boosting** [ZZZ08]. **Border** [SB09]. **Born** [BCP07]. **Bose** [CCCH09, Wan07a]. **both** [SC06a]. **bound**

[AT09c, DFY09, DS05c, LH07b, PIP07, Qi08, QGC08, SDP09, SV07a, XZ08, Zhu05a, Zhu06, Zhu08a]. **bound-constrained** [AT09c, Zhu05a, Zhu06, Zhu08a]. **boundaries** [And08, BBSV08, SLN08, XKF06]. **Boundary** [BN08a, DESC07, Koh07, Sma05, WYS09, eMH08, AABL08, AM09b, AGH06, Att05, BNT08, BV06, CD05, CM05b, CMST06, Cha07, Cha08, CHCW05, CS07d, CDL05, CD07b, CHY05, CG07, Dan06, Dao08, Di 07, DLG05, EE06, EZ07, EGO06, EGFOA09, EJ07, FZ09, FH07, FI07, FJG08, FZ08, Fin07, FOP05, Gao05, Gao06, GC09, Gil07, GJL08, HK07a, HL07b, HY09a, HZBM06, HLX06, He05, Hem06, HCDP08, HVV09b, Hon07, HR09b, HLY09, Hug06, JLNP06, Jan08, JG09, Kar07, Kar09, KMJ06, KV07, Koy09, Lan06, Lan05, LS06b, Li06b, lLzS07, LS09, LZ09a, Li09b, LFHW09, LS07c, LZ08a, LZ08b, LZ09b, LZ09c, LZW09, LM09a, LJL06, LT06b, Liu08b, LLW09, Liu09d, Log08, LOA05a, LOA05b, Lu07, xMzY09, MDT07, MD09a, Moh05, MD09b, NM06, NMMS05, NMM07, OYA07, PS07a, PS09a, PK09a, RS08a, Rea07]. **boundary** [RS07b, Sal09, SFSK07, SA08a, SK09a, SZ08b, SD09, SÁ08b, SO05, SDV07, Sto05a, Sun08, SLZA09, Tat06, TSB09, Tur06, TM08, Wan07c, WWC07, WWW08, WG08, WSZ09, Won09a, WLK06, WKL06, XWZH08, YS06, Yam08, YOA06, YS07, YLN09, Yao09, YL09b, YCJ09, Zha09a, Zha05, ZCL06, ZFG08, ZC08a, ZLL08]. **boundary-layer** [eMH08]. **boundary-only** [Gao05]. **boundary-value** [AABL08, AGH06, FJG08, MDT07, YL09b]. **Bounded** [MY06, MY08, BCGA05a, DL08a, DL08b, FG08, KI08, Koh07, Luo06b, Roo06, YJJ09]. **Boundedness** [AHL+05, BGG07]. **bounding** [MDT09, NSS07]. **Bounds** [AR06, DDV08, LvGJ06, MS05a, VDL+06, YH09b, ADGH06, ADD+08, BM06, BS07, CL06c, DSW08, DD07, Deu09, ED06, Har06, HYG08b, JM07b, Li08, MS07b, Mor07, MCD06, NH08, Neu08, PK07, Qi07, QG08, Qi09, Shi07, TR09, XDW05, YW08, Zhu08b]. **Boussinesq** [Gin08, HEOS05, Lai09a, LWLL09, Waz07b, ZT06a]. **box** [Bej06, CGPS08, FKM05, LMS08b, MRSZ07, BBC07]. **box-constrained** [FKM05]. **box-spline** [Bej06]. **box-splines** [CGPS08]. **Bradyrhizobium** [MMS+09]. **brain** [SNV06]. **branch** [BCeAJ09, Boy09, CS09a, DS05c, SDP09]. **branch-and-bound** [DS05c]. **Branges** [KS05a]. **Brazilian** [MMS+09]. **Breakdown** [RT09, RT08]. **Breakdown-free** [RT09, RT08]. **breakdowns** [WWP09]. **Brown** [GXgL05]. **Brownian** [FW09]. **Bruno** [CHS06]. **bubble** [LKSC06]. **bubble-type** [LKSC06]. **budgeting** [Hua07]. **Burger** [AS05b]. **Burgers** [BSC07a, BSC07b, BSC09, CP09b, DA08, DL07a, Gei09, HS08a, KTH08, LLZ09, LYZ09, MNP08, Rad05, Sma05, Waz07b, XHK+08]. **Burgers'-type** [KTH08]. **Burgers/Korteweg** [DA08]. **Burmeister** [CP08b, CGP09]. **business** [ZL09b]. **BVP** [HJK09, SS09b, Wei09]. **BVPs** [AS05e, AKW05, CN07, Has06, Jia09a, Kor06].

C [Yun08b]. **Cahn** [BN08b]. **calcium** [BCeAJ09]. **calcium-mediated** [BCeAJ09]. **calculation** [DJ06, EZ06, FPP08a, MVV08, Mot06, SJV+09, Wil06]. **Calibration** [Pir09]. **Can** [EFP06]. **canal** [XFgS06]. **candidates** [WC07]. **Canonical** [Ped05, BC06, Wu08, ZTG09]. **cantilever** [WCL08]. **capacitated** [KCK09]. **capacity** [BJ06, KCK09]. **capillary** [GMFB06, GGP09, KPAT07]. **capital** [BK09a, Hua07, ZL09b]. **Capturing** [SRB06, SBK07, WK08]. **Carathéodory** [BGVHN08, JN09]. **cardinal** [Bej06, Liu06]. **cardinality** [FY06]. **Carlitz** [Dom07]. **Carlo** [HSN09, Lai09b]. **Carrier** [OW06b].

Carter [DD07]. **case** [ADÓ07, BNDN09, CDM07a, CCLS06, CDM07b, DV06a, DESC07, HK08, Kag09, Tup07, Wik08]. **cases** [Daa09a, DA09, NP07]. **Casoratian** [WHG07]. **Catmull** [ZC06]. **Cauchy** [AS07, DL09a, DS08, ELA09b, HLF09, Kou08, LL08, Mai08b, QFX06, QWS09, RW09]. **causal** [BBPR09]. **cavity** [LYT07, RVM08]. **CE** [QW06]. **CE/SE** [QW06]. **cell** [CSG05, CG05, EPP+09]. **cell-centered** [EPP+09]. **cellular** [Aki08, LMZ08, Liu07]. **censored** [LWH09a]. **censoring** [KG09]. **center** [DL09b]. **center-focus** [DL09b]. **centered** [Ber06a, EPP+09]. **centers** [CZ09, YJGL07]. **central** [CD07a]. **central-WENO** [CD07a]. **centro** [XZL08]. **centro-symmetric** [XZL08]. **centrohermitian** [LF07b]. **centrosymmetric** [LF08]. **cepstrum** [SJV+09]. **Certain** [AUY06, Mil09, VK06, AHL+05, BNP06, CS06a, CS07a, CK07, CS09b, DJ07b, GG07, MN05, MA08b, sR07, YM07, ZWY09]. **Certified** [Neu08]. **Cesáro** [AHL+05, CV05a]. **CF** [Waa05]. **CF-coefficients** [Waa05]. **CFD** [PLGS09]. **CFSE** [DP05b]. **CG** [ABG06a]. **chain** [DC09b, MDP08]. **challenges** [XHW07]. **challenging** [Lia05]. **Chance** [Hua07]. **Chance-constrained** [Hua07]. **change** [KK09a, KS06]. **changes** [FN09, MGMTO06]. **changing** [LLW09, LOA05b, SS09b]. **channel** [HAS08, LRV+09, LCKK06, MM06]. **channels** [Khu06]. **chaos** [CBH07, LY05b, MSA09, SA09, SS09a]. **chaotic** [NaLH07, Par08b, TH07]. **Characteristic** [eMH05, eMH06a, HHZ07, KV05, VLR08, YY07a, Zar09]. **characteristics** [BSKS07, CJ09a, SY09]. **characteristics-mixed** [CJ09a, SY09]. **Characterization** [HL08, Ism07, VZ08, AÁN07, BM07a, CLO09, CHS06, HR05b]. **characterizations** [ÁN06, FPP08b, HCDP08]. **Characterizing** [BC09b]. **Chebyshev** [ABGH08, ABBM09, BCGA05b, BG07d, Boy09, KTH08, KK05, KAC05, KW09, LW08b, MDT07, Mat06, Osa08, RVA07a, RVA07b, sR07, SFSK07, Sto08, VRBF07, Xie08, YLS07]. **Chebyshev-type** [RVA07b, sR07]. **Chebyshevian** [Maz08]. **chemical** [Eng09, Tar09]. **Chemotactic** [SLN06]. **chemotaxis** [Eps09]. **chi** [SD06]. **chi-squared** [SD06]. **Chlodowsky** [KI08]. **choice** [AML07, GM06, vOP07]. **Choosing** [CFGVP07]. **Choquet** [KM09b]. **Christoffel** [And08, And09a, BC09b, BD07, CBGV05]. **chronic** [YY08]. **Ciarlet** [CY09]. **circle** [BCGA05a, BR09, BDGV09, CBGV05, CBDGVN07a, CBDGVN07b, Khr05, Mar07b, Pet08, Tem07]. **circles** [HS09a]. **circuit** [FHtMP06]. **Circular** [SACJ09, Ber06b, CMM09, KM09a, Var07]. **claim** [KG09]. **claims** [LT06a, ZLY09]. **Clark** [ZC06]. **class** [Arg07, Arg09a, AT09c, BT06, BGP09, BF09, CC09, CS09a, CJB05, DL08c, Dio09, EIM+09, FWY09, FJG08, Fra06, GQ09b, HC09, HNS09, HK07b, Hon08, Jan09, Koç08a, LmY08, Liu09a, LGYH09, Liu09b, LW08c, MJ09, MB07a, MJ08a, MVVV06, MLH08, MA08b, MI09, OZY05, PS09a, PJ08, Qi07, QG08, Qi09, SLN08, SCS08, Sha09b, Sid05, Sid08, SK06, TGJ19, TRST09, UHNC09, WWC05, WLL07, WCW09, WF09, WTZ08, XH08, Xie08, XWZH08, XLHZ05, Yao09, Zha05, ZSZ09, ZW09d, dMFPP09]. **classes** [BBR05, FPP08a, LXSH09, ZLY09]. **classical** [AÁN07, ÁN06, ABP06, ABB+07c, AGRZ06, Ask05, Car05b, CG06, CSSL09, EKL+07, FPP05a, KMJ06, Kra06, NT06, Pet07b, ZCL09]. **classification** [eMH05, ADLT09, DC09c, GPS09, IS06, ZZZ08]. **Clenshaw** [CE09, HS05]. **clinical** [Ver05]. **clock** [Nag09]. **closed** [BGG08]. **cluster** [MMS+09]. **clustering** [HKK07, SAFS07].

Clusters [Par07a, NSS07]. **CMRH** [HS08b]. **CMV** [Sim07a]. **co** [BLR07]. **co-evolution** [BLR07]. **Coalescent** [TL07]. **coalitions** [YZ09e]. **coated** [CCM07]. **coatings** [CH09]. **COCR** [SZ07a]. **code** [Gao05, Gao06, Sak09, SS08]. **codes** [CGPM08, CM05b, WWW08]. **coding** [CZ08a, NQDJ06]. **coefficient** [ASL07, CX07, HV06a, HAS09b, IS06, YYF09, YKS09]. **coefficients** [Asa05, BM06, BP09, CJCD06, Dem07b, DA06, DI06, ED06, FNW06, Gon09a, HV05, IO06, Jai06, KT09, LMZ08, MP08a, Roe08, SyS08, SZ08a, SZ09b, Woj06, Wri08, XCZ08, YLSX06, YSYX08, ZLYW09, Waa05]. **Cohen** [SC06a]. **coherent** [DM05]. **cohesive** [ADF07]. **cohomology** [CK07]. **coincidence** [HL09a]. **collage** [KLV09]. **Collective** [HL09a]. **collector** [Shi07]. **collinear** [AT09c]. **collisionless** [Dem07a]. **Collocation** [CDM07b, Dio09, AM09a, Alh06, ACWL07, AKW05, CD06, CDMR07, DP05a, DL08c, Fin07, KGA08, KRA08, KTH08, KKLY06, LT06b, MDT07, MMM08, MNMS05, NMMS05, PT09a, PT06, RZ07, SZD09, WLK06, WKL06]. **collocation-finite** [MMM08]. **column** [Ata07]. **Combination** [MO08, GNS06]. **combinations** [BBR05, DJ09, Kho09]. **combinatorial** [ABÇ06]. **combined** [Cui07, XGZ09, YXF07]. **Combining** [TBL09, bJyKyZmT09]. **combustion** [AR06, ABD$^+$09]. **come** [DA09]. **Comment** [Asl10, KGW09, Mil06, Mil07, NK10, TSC10]. **commentary** [Gau08]. **Comments** [Jan09, Sto05b, TGJ19, ZJ12, Ter05]. **Common** [Thi09, CS07e, EEGG08, Jai06, QCK09b]. **communal** [BNDN09]. **communication** [EFS05, MGS08]. **communication-less** [MGS08]. **community** [SM07]. **commutation** [BGJ07]. **commutative** [Kom07a, Kom07b]. **Comonotone** [FOT07]. **Comonotonic** [DD07]. **Compact** [Sut07, ZDC07, CK07, DZ09b, FLS05, GHMPV09, GC06, HRGD08, KCK06, KDN08, LT07, Liu06, MD09b, SS06c, TGB08b, TG07, TM08, WG08, WZ09a]. **compacton** [TY07a]. **companion** [BG07d]. **comparative** [Car07]. **comparing** [GJM07]. **Comparison** [BBM07, BB09b, DGR07, Li05c, Rad05, Sav08, WHF07, XTZ06, Eba09, JVVvdZ06, JH08a, NK10, yS05, VB05c, Waz07a]. **Comparisons** [BDHW07, SD06]. **competition** [CXS06, Ko07, THS05, Won09a]. **competition-diffusion** [Won09a]. **competitive** [LC09a, LOZ08]. **complement** [Deu09, NL05]. **complementarity** [BK08, CP08a, CGP09, Cho08, Don09, GKM07, HYYF05, HHC09, JTHZ05, JD05, NB06, Sch07a, WCH05, WB09, ZJW08, ZLL09, Zho09a]. **complements** [Bac09, LHL06]. **complete** [GM07c]. **completely** [Din05a, GQ09b, Qi07, QG08, Qi09]. **completeness** [Ism05b]. **Completions** [CK09a]. **complex** [AMO07, AMO08, BSMT09, CdAHBR06, CFGVP07, FS08, LC08a, LY09, Lui09, MH08, MSB05, MBA09, RS05b, SA07a, SZ07a, TMG09, Wu08]. **complex-step** [LC08a]. **complexity** [DFZ07, JF06, SZ09a, YXF07]. **complicated** [SSW09]. **component** [BP06, CHS07]. **components** [GBR09, ZGSF08]. **componentwise** [XW07a]. **Composite** [HV05, AMV06, Civ07, LN07b, TV09b, ZWY09]. **Composition** [GS09, SS06b]. **compositions** [Dun07]. **compound** [MS06b]. **compressed** [WFL07]. **compressible** [ACV05, Cui07, Cui08, GWG08, Koh07, MS09c, Yan06c]. **compression** [HV06c, LM08]. **Comput** [AMO08, Asl10, ByXy06, yCyZ09, Dai11, GPPRB07, KYF05a, LC09b, LB10, LHL11, SZ09b, TGJ19, TSC10, Yun08b, ZJ12, vDvFZ13]. **computable**

[CdAHBR06, TR09]. **Computation** [ADGH06, AMO07, AMO08, BSS08, CU09a, CDMR07, HS07b, HCL08b, How09a, NMKS09, Röb08, AGM06, BHP07, CHXL06, Daa09b, DB08, DV08a, Dub09, DL07b, ET06, FPO05, Has09a, KW07, LMS08a, Lan05, RK08b, SLN08, SCG08, SV09, Tab07, TM09, UO09, VB05a, VLR08, WK08, YZ09d]. **Computational** [BBF+05, CDV08, KPAT07, Roo06, Tsa09, ZC06, AT09c, MDP08, PPV05, PD06, RB06, SW06a, TS05]. **computations** [Deu09, DD08, VV05a, ZFS09]. **compute** [Ehr06, Gau08]. **Computer** [GKMS09, CBH07, GW09, IOS07, Sch07a, Wat09]. **computer-aided** [IOS07]. **computer-assisted** [CBH07, Sch07a, Wat09]. **Computing** [CJP08, Cha07, CCW+09, FPP05b, Gau05a, NSS06, PPV05, Tup07, WWW08, Wat06, ZZ07, BSST08, BD07, DRT09, GZLL09, HM09a, KT07b, LSW09, LL06, MVVV06, MN07b, NL05, Scu09, SZ09a, TA09, VT06, ZYLY09]. **concave** [AMG07, ZTG09]. **concentrated** [BJ06, Wac05]. **concentration** [BGGC07]. **Concentrators** [KBSK08]. **concerning** [LTC06]. **concrete** [BM08b]. **condensates** [CCCH09, Wan07a]. **condensation** [VS08]. **Condition** [SZ09a, WD05, CL06a, Dao08, HKA07, Hem06, Koy09, LCH07, LTW07, LS08, LGYH09, LD06, LOA05a, MS09b, NP06, NP07, RDH07, RS07b, SHK+08, SHC08, SZ08b, SD09, Win06, XDW05, XW07a, YS06, YL06, YLS07]. **conditional** [VCD+08]. **conditioned** [ABL07, OTOR07]. **conditioning** [CM05b, CMST06]. **Conditions** [MO07a, Ant09, AE07, BNT08, BV06, BGG07, COEV05, Cha07, Cha08, CHY05, DESC07, DHS09, EZ07, EGO06, EH06, FT08, FHH08, FJG08, FNW06, FOP05, GK07, GC09, HL07b, HZBM06, Har06, HW07, HR09b, JLNP06, KV07, KLLP06, Li09b, Log08, LP07c, LW08c, MYY07, Rea07, SK09a, SO05, SDV07, WWW08, Won05, Won09a, YOY07, ZFG08, Zho06, ZCL09, Zhu08a]. **CONDOR** [VB05c]. **conducting** [IV06]. **conduction** [CCH06, DA08, HTS09]. **Conductor** [Maz06]. **cone** [CP08a, CL09b, GGA08, HYYF05, ZLL09]. **cones** [ADÓ07, GZX09]. **Conference** [Ano05n, Ano07o, PRZW08, Ano05o, HH07c]. **Confidence** [MPP09]. **configurations** [Mar07b]. **confluent** [Ell06, YWH05a, YWH05b]. **conformal** [BDHW07]. **Conforming** [MK09, CC07, GHT06]. **congestion** [Kho09]. **congruential** [Wik08]. **conic** [HW07, QZZ08, QZY09, Zho09a]. **conical** [Civ07, Nke05]. **conjecture** [Bak05, JB09, MK05, ZWF09]. **conjugacy** [LTW07]. **Conjugate** [FJT07, And09b, BW06, CXH09, GZLL09, HL07a, HTS09, LLZY06, LTW07, RH06, SG09, SSZ09, TMG09, YLW09b, ZZ08a, Zha09b, ZJ12]. **connected** [BDHW07, CC09, KS05b, WN08]. **Connection** [BCGA05a, CC05, GS07c]. **Connections** [LW06a]. **Conservation** [AMG07, Ben06, CD07a, DVCH06, JKM09, LZZ09, Mur07, TS08, ZL05]. **Conservative** [SF08, WCZ07, Mat07b, Mat08]. **considering** [WC07]. **Consistency** [KRAH07]. **consistent** [AB09b, DB08, Kul09, WHG07]. **constancy** [WYO09]. **Constant** [ASL07, BS08a, Bra07a, DIKZ07, Gon09a, HKA07, HMG06, HSL08, Kas06, Men09, Pré08b, Roe08, YLN09]. **constants** [Cof09b, DCZ07, Osa06, Sch06a]. **Constrained** [Ker09, KA08, SC06b, AT09c, BS09b, Bor07, CR09, FKM05, GBR09, HCL08b, HV06b, Hua07, JTHZ05, bJyKyZmT09, bJxC09, JZW08, Liu05, Lu09b, MZW06, SP09b, TJ08, VRL07, VB05c, WCH05, WZ09b, XZ08, ZW08, ZGSF08, ZXZ09, Zhu05a, Zhu05b, Zhu06, Zhu08a, Zhu08b, Zhu08c, ZA09, BG07e]. **constraint** [Cim09, GHZ06, Lan08b, PP08, YD08]. **constraints** [BDL09, CCK06, GGA08, HCDP08, bJQlZ07, KYF05a, KYF05b, Lan08a, MRSZ07, SV07a, TLQ08, WTZ08, YJJ09]. **constructed** [Chu08]. **Constructing** [yPlH05, TM08, MJ08b]. **Construction** [BJ08, CW08a, Sav09, ABP06, Bej06, CMS08, DL08a, Han09, MST05, Nov08, Ros08, VJ09, VW06, ZTY07]. **Constructive** [LS06c, Sie07b]. **consumer** [LL07a]. **consumer-resource** [LL07a]. **contact** [AB09b, CFHM06, CFV06, CFS09, Cop05, DHS09, FvZ06, GKM07, HV06a, NT08, SL09, Sta07]. **containing** [AR09c]. **containment** [Lin07]. **context** [FGB07]. **contexts** [CLP08]. **contiguous** [RI06]. **continuation** [How09a, Lóp07a]. **Continued** [Khr05, BHJ05, LW05a, Lut07, VK06]. **continuity** [HW08, Lu09a]. **Continuous** [DR08, Zar09, ARG08, ABET08, BJ07a, BS09c, CX08, FR07, Gal06, HQ06, KS09, KM09b, KV07, SP06b, WZ07, Xio07]. **Continuous-discontinuous** [Zar09]. **continuously** [SC06a]. **continuum** [EMMP07]. **contracting** [BeMBH06, EFS05]. **contraction** [Bad08, CAHAY09, KLV09]. **contractive** [ACQ09]. **contracts** [BBM09, VV09a]. **contrasts** [FNW06, YA08]. **Control** [AHM09, SA09, AZGN06, ASL07, BBD06, Bor07, BSV08, BK06, CM07, CY09, CR09, CL08, Chr09, CCK06, FR07, GM06, GL06, HS09a, HWSL05, Hei05, HH07b, HL07c, HGS06, JL07a, KV09b, KS05b, Lan05, LT05, LW05b, LFS08, LFW09, LTC06, LY07b, Liu09c, MZC08, Mar08, MSA09, MLOP06, Par08b, PN06, Pul09, SAHS09, Sma05, Wod05, WTZ08, WWP+08, XXL08, YZ09a]. **Controllability** [HMPR07, Tat06]. **controlled** [GK09, KR07]. **controllers** [XXL08]. **controls** [GF08, LOZ08]. **Convection** [SRW09, Alh06, Bog05a, Bog05b, CJ09a, Deu09, DZ09a, Dol08, EKEHR08, GSBB09, Hoo08, IS06, KGA08, Kas06, KHK08, Lin05, LYT07, LS05, MV08, MA09, OS07c, PP09, RK08a, Roi07, SSW09, TG07, YZ09a, YY07a, Zar09, ZT06a]. **Convection-diffusion** [SRW09]. **convection-dominated** [CJ09a, YZ09a]. **convection-reaction** [KHK08]. **convective** [eMH08, Min05]. **conventional** [Jay07]. **Convergence** [BJ06, BJSS06, CJB06, CL06a, CS07e, CHJZ09, CQ09, Cim09, GAC+08, GAR07b, KI08, KKLY06, KD06, LkLkP09, LGYH09, Mai08a, OTOR07, PD06, QCK09a, QCK09b, RHQ06, SST09, SS06a, THC08, VRBF07, Vin09, WLY05, WWM07, WH09b, XCZ08, YL06, YLS07, Yun05a, Yun08a, yZXL09, ZW09c, ZC08b, ABGH08, ALR05, AK09, Arg07, AR09c, Arg09b, BMfX07, Bak05, BJS08, BS07, BR07b, BRW09, BH07b, BHJ05, BS09c, CY08c, CV09, DJ05, DD06, EH06, FH09a, GK09, HR05a, HK07b, Hom05, Hom09, HQ06, Hu05b, HLJ09, JD05, JK07, KYF05a, KYF05b, Kaw07, Koç08a, Koç08b, KLW07a, KLW07b, Kou08, LW05a, LMZ08, LS08, LZ09a, Liu05, LYW08, Lut07, MC08, MZW06, MM09, NS09c, OS07c, OS07b, PS07a, PS09a, PK09b, QCKK09, Sha09a, SX09, Sic08, Sto05a, TGJ19, TD07, Tem09, TFC07, VB05b, VN09]. **convergence** [WT08, YOY07, Yam08, YN08, YSYX08, ZBL08, ZZ09c, dS07a]. **Convergent** [PV09b, ZHG+09, BB05, CGP09, Fan09, FHH08, Gau05b, GL07, bJxC09, KGA08, KK08, LP06a, Osa06, Osa07, XSW09]. **converse** [BI08b]. **conversion** [WLL06]. **Convex** [AMG07, ADGH06, ACWL07, BCK07, CL08, DL07b, Fan09, GZ05, KYF05a, KYF05b, KAP07, KK09c, LYW08, MP08b, SCM09, SDP09, XSW09, YXF07, ZW06a].

Convex-concave [AMG07]. **convex-convex** [SDP09]. **Convexity** [JT09b, ADD+08, SC06b]. **convexity-preserving** [ADD+08]. **convexized** [ZF09]. **convolution** [AS05c, BS08a, Civ07, CD06, FDFL07, Kok05, MRV09, Swa06]. **convolutions** [FH07, Lóp07a]. **cooling** [SS08]. **coordinate** [LO08]. **coordinates** [Dmi08, LT07, SBO09]. **Copenhagen** [PRL09]. **copula** [HG09]. **copula-based** [HG09]. **copy** [LRH07]. **core** [SM07, YZ09e]. **Corner** [CO05]. **corners** [HL07b, HW08]. **Cornu** [WM09]. **corrected** [MPP07]. **Correction** [DS06, Fu08, Han08, Kuz08]. **corrections** [GGM06]. **Corrective** [AFT+07]. **corrector** [Den07b, Din05b, PS05]. **correlated** [HSN09, WWFV07]. **Corresponding** [RS05e]. **Corrigendum** [Dai11, GPPRB07, SZ09b, vDvFZ13]. **corrosion** [AS07]. **cost** [CHBMBR07, JRM09]. **Cotes** [KV09a]. **Coulomb** [HV06a, LVV05, Sch06a]. **countable** [BS09c, NS09c, PK09b]. **countably** [GGG09, GS06c, JG09, LZ08a, LZ08b, LZ09b, LZ09c]. **Counter** [Bak05, YKS09]. **Counter-examples** [Bak05]. **Coupled** [BM08b, BBSV08, AS05b, BV06, BTS07, CYZ09, CX06, CN08, GKM07, HG09, KA07, LRV+09, zLCgS06, MDP08, SM09, Tac07, TRS07, VDV08, Wan07a, WWW08, WNZ09, ZZZ09, ZLDW09]. **Coupling** [DM07b, BG07c, BGG08, KCLW08, LC08b, RS07b, Sch06a]. **coupon** [Shi07]. **Cournot** [GG08, GR09]. **Cournot-like** [GR09]. **covariance** [Sen07]. **coverage** [MPP09]. **covering** [FH07]. **covolume** [Bi08a, CJ09a]. **Cowell** [RVA05]. **CP** [LVV05]. **crack** [WDC+08]. **cracks** [BKT07]. **Cramer** [DSMY06]. **Crank** [PP09, WKY+07, YWD09]. **Creating** [TMOG07]. **Credibilistic** [Kag09]. **credibility** [LLS09]. **credit** [HO09]. **crimes** [KS07a]. **criteria** [CS06a, CS07a, CK05, HM09b, LmZbL07, LZG+09, LB09, LM09b, LB10, MS08a, Maz06, PT08b, Sak05, SZ08a, SZ09b, TXZ09, Wan07b, WWC07, WML08, XL07, XX09, YN08, Zhu08d]. **criterion** [HJR07, MSE08, Sin08]. **Critical** [Jar09, AR06, MY06, MY08, Xia07a, ZCZ08]. **cross** [QLJ09, VV05b, WF09, ZW06b]. **cross-cut** [ZW06b]. **cross-diffusion** [VV05b]. **cross-diffusions** [WF09]. **cross-entropy** [QLJ09]. **Crouzeix** [BR07b]. **crowding** [BDHW07]. **crystal** [BRVWM07]. **crystallization** [QW08]. **Cubature** [LM07b, EFP06, GN09, KV09a, Möl07, OS06b, PSV08, SV09, Sto06, Tay08]. **cube** [PC05]. **Cubic** [CG08b, GK09, Bej06, CZ09, CFL05, DP05a, GLV05, HS09a, Hom05, Hom09, KRA08, KD06, Swe07b, WFL07, Waz07b, ZBL08, ZCZ08]. **cubically** [FHH08, Osa06]. **cubics** [HS08c]. **culture** [Liu09c]. **cumulative** [Wil07]. **current** [FIR06, KKW06, YOO07]. **Curtis** [CE09, HS05]. **curvature** [Bra07a, FL06b, ZX06]. **curve** [And09a, FR06, HMH08, HJR07, JH09, RS08b, RH09, SLZ06]. **curved** [dCDND06, Her09, Khu06, XKF06]. **curves** [AKLT09, BC09b, CR09, CCW+09, Han05, Han06, JH08b, KLLP06, KP07, LCZ+08, LW08b, MCD06, PJ06a, SFV09, WZH06, WT08]. **curves/surfaces** [MCD06]. **cuspoid** [HCK07]. **customer** [AA09b]. **cut** [LXX08, WFW09, ZW06b]. **cut-peak** [WFW09]. **cutting** [CG08a, LWYT06]. **CVaR** [HG09]. **cycle** [HY09b, ZL09b]. **cycles** [Cao08, DL09b, GGT07, GG08, Tac07]. **cylinder** [CMM09, Jon06, KK09c]. **cylinders** [MOZ07, Nig07]. **cylindrical** [Civ07, LT07].

D [BCH06, BGP07, BCK07, CGRGVP08, Cim08, Ehr06, GMM09, GC06, GF08, HV06a, Hsu05, KD05, KSE09, LLL06, LT07, Li06a, LN09, LM08, LYT07, LP07c, LC08c, MMM08, MDT09, MK09, NGS05, Scu09, SBO09, TS06a, VVE08a, VVE08b, WHG07, XXL08, ZGV06, JK09]. **d-V-type-I** [JK09]. **d.c** [CS09a]. **DAE** [BMM06, BM07b, CK09a, SW06b]. **DAEs** [Cam08, Jay07]. **damage** [CFHM06, CFV06]. **Damageable** [CFS09]. **damped** [CBH07]. **damping** [HM09b, LM09b, YD09b, ZCZ08]. **dance** [Mer05]. **Daniel** [Gau08]. **Darboux** [CBGV05, LZZ09]. **Darcy** [BH07c, CMX09]. **Data** [MDB06, SH06, AUY06, ABD+05, AZGN06, BFGP08, BKT07, CR09, CL06b, CP09b, DMM07, DP05b, DD06, EMP08, FL09a, GU08, GNP09, HHZ07, HS08c, KMVWY09, KY07, KP08b, KKS+07, LS05, LOA05b, LP06b, MW08, MMS+09, MR09, RCR05, SV07a, TD06, Val09, Ver05, WWWF09, WLL09, WL09b, WDC07, YA07, ZH08]. **data-fitting** [CR09]. **databases** [KLS+07]. **datasets** [EL06]. **Daubechies** [CHXL06]. **Davey** [SJ09]. **Davidson** [Hoc08]. **Dawson** [DMGVP05]. **DCNNs** [Moh07]. **DEA** [WL09b, Kho09, WC07]. **deal** [BLR07]. **death** [Chr05, DP05b, GLV05, YH07]. **deblurring** [BS09b]. **decay** [CU09b]. **decaying** [Gau05a]. **Decentralized** [HGS06]. **decision** [Kag09, KGW09, RM07, WY07, WYW08, WLL09]. **decision-making** [WY07, WYW08]. **Decomposition** [BR07a, CZ09, Sto08, Tur09, AHC05, AKK06, Bog05a, Bou07a, FL06b, FNW06, FC09, Has06, Hei05, HH07b, Hos06, HLL08a, JDG06, Jan08, KS07b, Li09a, LYZ09, Moh09, PD06, SEAA08, TR07, Ter05, Waz07a, Zha05, Zhu07]. **decompositions** [KSS07a, Li08, Yi09]. **deconvolution** [Est07b, RS05a, SC06b]. **Dedicated** [WS05, VAW07]. **Deductibles** [DÖ09]. **defective** [yPlH05]. **defects** [GXgL05]. **deficient** [DKHNZ08]. **defined** [Müh06a]. **definite** [BW06, DL09c, EKL+07, GT09, Iva06, KMB09b, LWYT06, LHL11, yPESlZ07, RT08, RT09, RH06, TV07, XZS07, XZZ09]. **Definitions** [Mon09]. **deflation** [TV07]. **deformation** [Dmi08, FPS08, LX06, SLZ06, WCL08]. **deformations** [KBSK08]. **deformed** [LRV+09, YL06]. **Degasperis** [ZCH07]. **degenerate** [Du07b, VN09]. **degree** [Cao08, EFP06, FH07, FHL07, Han09, HW08, KA08, LW08b, Lu09b, LW06c, LLC08, Sto06, Sza05a, Win06]. **degrees** [DL09b, OS06b]. **Delaunay** [DW06b]. **Delay** [MZC08, PT08b, XLHZ05, AAZ06, ABS07, AK07, BB05, BP05, BJ08, BG09, CS06a, CS07a, CB07, Che05, CLCL07, CHY05, FR07, FL06c, FN09, FL09d, Gan07, GSW07, GW06a, Gug06, HWSL05, HMG06, HGS06, IL05, JZK09, JM07b, Kot08b, LH05a, LH05b, LHM05, LS06b, LF07a, LmZbL07, LZZD09, Liu09b, LB09, LB10, Luo06a, Luo07, Mao07, MY06, MRV09, OZY05, PN06, PP05, RLX08, RW06, Sak06, SFSK07, ST07, TBBC07, TXZ09, VLR08, WLS08, WLS09, WZ06, WW07, WJS+09, Xio07, XZL09, XL07, Xu08, XGM09, XWT09, YG06, ZS05, ZGH09, ZW09c]. **Delay-dependent** [MZC08, PT08b, XLHZ05, CB07, TXZ09, XZL09]. **delay-differential** [JZK09, Xio07]. **delay-integro-differential** [Gan07]. **delayed** [JW08a, LCH09, LGYH09, LY05b, MLL09, Sin08, SMT07, TYH08, XXL08, Yan06a, YC06, YH07]. **delaying** [CKT09]. **delays** [BG09, Bru09, CXS06, FWY09, FG07, FL09c, Har05, JZK09, Jar09, KTM09, Li05b, LZY09, LY09, LOZ08, LC06b, LWMT07, Luo08, LRB05, MZC08, Moh07, Moh08, SC06a, SC07b, TCMS06, TR06, TXZ09, WLL07, WML08, WLF09, WYO09, XLHZ05, XW06, YC05, YZL08, YY07c, ZG09, ZZZ09, ZW09b, ZL09b, Wan09a]. **delivery** [BNDN09]. **delta** [Xu07b]. **demagnetization** [WZH06]. **demands**

[EM09, Siv09]. **dendritic** [BCeAJ09]. **denoising** [BP06, BP07, FL06b, LM07a, SRW09]. **denominator** [DZLL06, Nov08, PR07]. **dense** [HS08b, NKA09]. **densely** [Gau05a]. **densification** [BC06]. **density** [ASL07, FPP08a, FPP08b, HKB+05, LP09, MJB09, MP06a, NK08, PV09b, Soh05, SMT07, YH07]. **density-dependent** [MP06a]. **dependence** [Hat09]. **dependences** [SC07a]. **dependent** [BG09, CB07, Cha07, Cha08, CEJ09, FL06a, GSW07, GRW08, Har05, HV06a, IT07, JW08b, JL07b, KGA08, KKW06, Kim05, KC07, LkLkP09, LCH09, LC08c, Ma06, MZC08, MP06a, NPTH09, Nig07, PT08b, PRGPS09, PP09, RHQ06, SMT07, SBO09, TXZ09, TSC10, WPC08, Wan09a, WYO09, XZL09, XLHZ05, XGM09, YC05, YH07, YKS09, ZL05]. **depending** [Luo06a, SST09, WL07, Xu08]. **deposit** [TMOG07]. **depth** [BCK07, ZC06]. **Derivation** [AT09c, BJ07a, FT08]. **Derivative** [Zho08, BTI08, BT09, CLA09, CGP09, CXH09, DEMR08, Fin08, HHC09, IO06, Jia09a, LC08a, LLT07, RP09, RP05, SK09a, WeR07, YL06, YLS07, ZJ12, dB05a]. **derivative-free** [BT09, CGP09, CXH09, DEMR08, ZJ12]. **derivative-nodes** [dB05a]. **derivatives** [Abb07a, Daa09b, DJ05, Eig07, HS09b, HSL08, KC07, MW09b, Mat07b, Mat08, NWW08, Röb08, SS09d, SH09, TV09a, WT08]. **derived** [AMV06, Chi05, Gil07, Las08, SJ09]. **Deriving** [OW06a]. **derogatory** [SS07]. **Descartes** [Eig07]. **Descent** [KA06, BC06, CP08a, CLQ09, DC09c, DS05b, HLF09, JTHZ05, YLW09b, ZZ08a]. **describe** [KCS06]. **description** [KKS+07, LRV+09]. **descriptor** [HNS09]. **descriptors** [AA09b]. **Design** [Sha07, CJCD06, Duf09, GF08, JAE09, KCK09, KGB+07, Kuz08, PLGS09, YJY06, YA08, ZAVS09]. **designed** [Kaw07]. **detect** [FL06c]. **Detecting** [GR09]. **detection** [AM09b, CB07, yCyZ08, yCyZ09, DMM07, FIR06]. **Determinants** [Ism05c, DS05a]. **Determination** [Dao08, DH09, JL07b, TQA06, TANT09, Di 07, Ish07, SAFS07]. **determined** [GGG09]. **Determining** [XF07]. **deterministic** [EMP08, VC06, WO08]. **developing** [Kro06a]. **development** [SL06, SLN06, Wod05]. **developments** [BGRS05, Cak07, Moi05]. **deviating** [GX09, Liu08a, LJ09, MLH08, SWYZ09, Sza08, WTL05, WSZ09, WSM+09, Won08, XW07b, ZL07]. **devices** [ACV05]. **devising** [Gug06]. **DFO** [VB05c]. **di-** [Zud07]. **diagonalizable** [BJS08, SHC08]. **Diagonally** [Smo06, THC08]. **Diagonally-striped** [Smo06]. **diagram** [NSK07]. **diagrams** [Cof05, KLO08, LSTS06]. **dielectric** [CCM07, DCZ07]. **diffeomorphism** [TM08]. **difference** [AS05e, And09b, AKL05, ABS07, AGRZ05, Bej06, BUG07, BJ06, COEV05, Cen08, CD07a, Daa09b, DH09, DZ09a, DZ09b, DO06, Ela09a, GZL07, GC06, GS06b, Har08a, HLJ09, HZ05, IS09, JL06a, JL06b, KD05, KSE09, KM09c, Li05a, LH05b, LCH07, lLzS07, LZG+09, LC06b, Liu08b, LP06a, LYZ09, MC07, Mag09, MMM08, MY08, MI09, PS07a, PP05, Qin09, RAG07, Roe08, SF08, SCY09, Sut07, TGB08a, TGB08b, Vin09, WG06, WCZ07, WG08, WNZ09, WZ09a, WG09, Won05, WL07, XTZ06, YZ09c, YM07, ZDC07]. **differences** [ARVP09, FV08, Gal06, HQ06, Müh06a, Sau08, WSST05]. **Different** [Lai09a, BB09b, DJ09, HZ05, LmLgF09, Müh06b, NaLH07, WWP+08]. **differentiability** [EH06, Hu05b]. **differentiable** [ABBM09, AR09c, Jay08]. **Differential** [DI06, WeR07, AETE07a, Abb07b, AT09a, ADMM07, AAZ06, AMCM05, ADLT09,

ABS07, AK07, Ass09a, ADDdM05, BS08a, BB05, BP05, BJ08, BH07a, BG09, BS07, BB07, Bru09, BLP07, BW07b, CS06a, CS07a, Cao08, CJB05, CJB06, Car06, Car05b, CHCW05, CLCL07, CS07d, CL09a, CW05, DG08, DR08, Den07b, DFFW06, DF09, DAE05, DG05, EGO06, EGFO09, Enr06, EM09, EM08c, EK07, EMMP07, EKL+07, FWY09, FWZ09, FPP07, FGRW09, FFSS09, FL06c, FL09b, FN09, FC09, FL08b, FL09d, GG09a, GGD08, Gan07, Gar09, Gei08, GS07b, GL06, GW06a, Gug06, GX09, GS06b, HZBM06, Har05, Has06, HO06, HMG06, Hos06, HLL08a, HR09b, HM09b, IO06, Ish07, IL05, JL06a, JZK09, JDG06, Jan09, JN09, Kaw07, Kom07a, Kom07b, Kom08, Kot08b, KTM09, KLV09, yL08, Lar08, LW05b].
differential [Li05b, LC06a, LLZY06, LS06b, LS07c, LDM09, Liu09a, LZZD09, Liu09b, LZ09d, LB09, LLW09, LM09b, Liu09d, LB10, Lop07b, Luo06a, Luo06b, Luo07, Luo08, MYY05, MYY07, Mao07, MN05, MD09a, MY06, ML09, MA08b, MO07b, MO08, NMKS09, NMMS05, OZY05, PDM08, PT06, PT08a, RB08, RLX08, RLH09, RS05c, RS07b, SZ08a, SZ09b, SFSK07, SDV06, SLZA09, Sza08, TRS07, TRST09, TBBC07, Toc05, TV09b, VLR08, Vil09, Vin09, Vol08, WWC05, Wan07b, WWC07, WML08, WLS08, WPC08, Wan08a, WSZ09, WLS09, Wan09a, WYO09, WYL09b, WS09b, WH09b, Xio07, XL07, Xu08, YS07, YZL08, YG09a, YLN09, YG06, Yüc06, YCJ09, ZS05, ZFG08, ZGH09, ZLL08, ZW09c, Zho09b, Zhu08d, jia09b].
differential-algebraic [GL06, Hos06, LZZD09].
differential-difference [GS06b].
differential-functional [WH09b].
differentiation [ACR06, BXC09, HY09b, Li05a, NWW08, Röb08, Wil07, XC09, ZMH09]. **diffraction** [BLW06]. **diffuse** [TL09]. **diffusion** [eMH06b, ARG08, Alh06, ARVP09, AKL05, ABR07, ABV08, Bog05a, Bog05b, BH07b, BW07a, CVB07, Che05, CWW08, DS08, Deu09, DZ09a, Dol08, Du07b, FL06a, GDM08, GSBB09, GAR07b, GM09b, GC06, GL07, HKV09, HAS09b, HRGD08, HK07b, IS06, KGA08, Ko07, Kan08, KMVWY09, Kot08a, Kro06b, KHK08, KBB05, LL05, LL08, LSTS06, Lew06, LZY09, LWS09, Lin05, LS05, LXZG09, MJX09, MPS05, MP07, Mai08b, MV08, MSZ07, MBCV09, MA09, Mus09, OS07c, PP09, QWW08, RVAD08, Roi07, RKK07, SK05, SSV06, SRW09, Slo08, SM09, TGJ19, TG07, VG09, VV05b, VJ09, WZ09a, WF09, Wil06, Won09a, YZ09a, YY07a, YKS09, Zar09, ZLA07, Zha08, ZC08b].
diffusion-convection [IS06].
diffusion-reaction [ABV08, CVB07, HKV09, SSV06, VJ09].
diffusions [PW08, Pok06, WF09]. **diffusive** [AT09b, Sea07, SLN06, VVE08a].
diffusivity [CK08]. **digamma** [Cof05].
digital [AAPP07, AA08, TND+09]. **dilute** [HS07b]. **dimension** [CP09c, LW06c, WO08, YG09b].
dimensional [BLR07, Ban05, BS08b, BS07, BFGM06, Bra07b, BG07f, Cof05, CK08, DZ09b, DL07a, EKEHR08, FG09, Gao06, HK07a, HZBM06, HTS09, Har08a, HV06c, Jan09, JVVvdZ06, JL06b, JW08b, KGA08, KCK06, KM06, LÅH08, zLCgS06, LCZ09, LN07b, LOA05a, LLT07, MDT07, MP06a, MG08, MS07c, MD09b, Oga06, OA06, Par08b, PLMP08, Rad05, RB08, RVM08, RCR05, Roe08, SAHS09, ST05, SS06c, SSMB07, TTZ06, TS08, TG09, TRST09, THS05, TG07, TQA06, TANT09, TD06, VRBF07, WGZ08, WLK06, WDC+08, XZS07, XHK+08, XX09, YYF09, ZWF09].
Dimensions [DCF06, Far06, GZL07, WS08, ZKSS06].
dipoles [YOO07]. **Dirac** [Pie09, Sch06a, Xu07b]. **Dirac-like** [Pie09].
Direct [BM08a, BI08b, CM07, LDM09,

SFPS09, Duf09, FG07, Gás09, MNG09, Wac05, YOO07, YD09b]. **direction** [BISS05a, Bej06, CGPS08, Qin09, Yu06, YLW09b]. **Directional** [AB05, Aki09, LBS09, LM08]. **directions** [GAC+08]. **Dirichlet** [BNT08, CJCD06, DT06b, GNP09, HL07b, Har06, Jai06, JLNP06, SFFS08, SFPS09, Tur06, Won09a]. **disability** [Spr06]. **disc** [CU09a, CU09b, PD06, SB09, Tor08, Wün05]. **discontinuities** [Wri08]. **discontinuity** [SL09]. **Discontinuous** [BHP07, CP09b, Eps09, AMG07, AB07, Ber06a, Cui07, Cui08, DFLP08, ER09, GSS07, Kan08, KLLP06, KP07, LY07a, LN07b, LS05, LC08c, MCR08, Mar09, TRS07, TR09, VJ09, WG06, Zar09, ZLZ09b]. **discounted** [LXSH09, ZLY09]. **discrepancies** [PVC06]. **Discrepancy** [Tab07, PC05, Sin09, VC06, WS08]. **Discrete** [Civ07, Coj09, EZ07, HKV09, HCDP08, JZK09, Kar07, KK06, PT08a, PT09b, TYH08, AS09b, AÁN07, BR07a, BRIP09, BMS05, BS05, Cal07, CZ08a, CLN09, Che09, CSSL09, DSW08, HJR07, IO06, IV07, KCK06, KM09b, KP07, Kro06b, LOZ08, LXX08, LC06b, LM08, LZZD09, MZC08, Ma08a, Mat07b, Mat08, MJ07, MSA09, Moh08, MS07d, MRSZ07, Nou07, Pie09, RS05b, RAG07, SG05, SV07b, SP06b, ST07, SZ07b, VDL+06, WLL07, WZ08, XC08, XXL08, YJY06, YY07b, YHH05, ZF09]. **Discrete-analytical** [PT09b]. **discrete-complex** [RS05b]. **Discrete-time** [TYH08, MZC08, Moh08, SG05, WLL07, XC08, YJY06, YHH05]. **Discretisation** [FR07, AK07]. **Discretization** [CCK06, KS07a, Mai08b, AT09b, Bor07, BK06, Che08, CHJL08, Gao05, MS07c, NP08, SZ08b, VVE08a]. **discretization-theory** [Gao05]. **discretizations** [CJB06, Deu07, Han07, Kan08, PDM08, PV09b, Qiu07]. **discretized** [BP05, CMR06]. **Discriminating** [WC07]. **discrimination** [AI06]. **disk** [EFP06, PSV08]. **disks** [FT05]. **dispersal** [CT05, TCMS06]. **dispersion** [Bat08, CdVT07, MM06, Roo06, SZ07b, TS05]. **dispersive** [AEET09, FS07, Li06a]. **Displacement** [YH05, YWH05a, YWH05b, Cui07, Cui08, SY09]. **dissipation** [AEET09, TS05]. **Dissipative** [Mat08, FS07, LZ05]. **Dissipative/conservative** [Mat08]. **Dissipativity** [Gan07]. **distance** [CCW+09, DL07b, EE06, Eig07, Iza09]. **distributed** [AAZ06, ABD+09, Che05, Chr09, DF09, GZLL09, GX09, Hei05, MP07, Moh07, Moh08, Sma05, SC06a, SC07b, UFG09, WTL05, WS08, XW07b, ZLLW08]. **distributed-order** [DF09]. **Distribution** [KSE09, AA09a, CLQ09, DA09, DD08, KM09b, LWH09a, LWH09b, LL06, MYY05, MGMTO06, MS06b, NK08, RVAD08, Spr06, VT06, YJGL07, YA08]. **Distributional** [BR09]. **distributions** [BN08a, BBR05, CdWJ06, GA09, GK08, KM09b, LP07b, Sen07]. **disturbances** [Dor09]. **divergence** [MPP07]. **divergences** [MPZ09]. **divided** [DH09, Gal06, HQ06, JL06a, Müh06a]. **dividend** [GY08, LWS09, LXSH09, YZ09b, YW09a, YSY09]. **dividends** [FW09, GS06a]. **division** [DP05b]. **Dixon** [BE06b]. **Does** [CMM09]. **Domain** [FL06b, NSL07, AFT+07, BP06, BC08, Bog05a, Bou07a, BFP09, BDGV09, CH09, Dul08, FHtMP06, FNW06, FG07, Gao05, GZL07, Hei05, HH07b, JW08b, KA08, KW09, LLL06, Lu09b, Lui09, SVC09, SST09, SHK+08, SLN06, YH09b, Zhu07]. **domains** [AG05, BN08a, BBSV08, BFGM06, CGRGVP08, DL08a, EZ06, FG08, GS06c, HL07b, HZBM06, Her09, KS07b, Koh07, KKS+07, Li09c, Lui09, MSTT08, MM07, Nke05, Roo06, SSW09, SFPS09, SDV07, Var07, YG07, ZKSS06, vOP07]. **dominant**

[MVV08, MA09, THC08]. **dominated** [CJ09a, MV08, YZ09a]. **Doppler** [RCR05]. **Double** [He05, NMMS05, CHM06, He06a, LY05a, Li07a, MRV09, MN07a, MNMS05, Qi07, QG08, Qi08, QGC08, SK06, WLF09]. **double-gate** [LY05a]. **doubling** [CHLW08]. **Doubly** [CMRS06, HR09a, HR09b, RLH09]. **DP** [CW08a, DHS09]. **DQ** [Yüc06, LYT07]. **Draghicescu** [Sak09]. **Drazin** [WD05]. **Drazin-inverse** [WD05]. **drift** [RS05c]. **drift-implicit** [RS05c]. **driven** [HR09b, NTS06, RVM08, RLH09, ZZL08]. **driving** [MD08]. **drums** [Ban07]. **drying** [GKMS09]. **DSC** [Civ07]. **DTM** [MO08]. **DtN** [CNN07, Koy07, Koy09]. **Dual** [BNPR08, How09b, NaLH07, Ber06a, BFP09, Dul08, GXZ06, WFL07, XF07, ZTG09]. **Dual-mixed** [How09b]. **Duality** [Ask05, AHS08, Ant09, ACV05, FL08a, GGA08, LTY08, SDP09]. **duct** [Hoo08]. **due** [dCDND06, MD08]. **Duffing** [GC09]. **Dunkl** [Cho05, Kam07, TX07]. **duopoly** [GG08]. **during** [BM08b, VT06]. **dust** [LmLgF09]. **dusty** [LmLgF09]. **Dynamic** [CLCL07, HKB+05, LCZ+08, VV05a, AYK09, ABB+07d, BGV+09, BC06, CHXL06, DaC05, EPS05, EBP09, He05, Hon07, Jac06, LZ05, LXUK06, Mar08, MD08, MSA09, Sak05, Sak06, SL08, XX09, YW09b, YD09a, ZL09b, ZF09]. **Dynamical** [LZZD09, YTM07, GF08, Hat09, Koh08, KV07, LJM09, LY09, Liu09c, SM07]. **Dynamics** [BSC07a, BSC09, HZ05, ABD+05, Aue07, BLR07, Ban05, BMC09, BB08b, BB09b, CMRS06, DBE07, Dmi08, FR07, GR09, IOO07, IV07, KS09, LH05a, LH05b, Li09b, Meh05, RW06, SFSK07, SZ07b, Tac07, THS05, VDV08, WF09, YY08]. **Dyson** [DIKZ07].

each [Ter05]. **early** [BBM09, Bin07, Mer05, ZBB+05]. **Earth** [IV08]. **easy** [CR09]. **easy-to-control** [CR09]. **ecological** [WW07]. **economy** [LCA07]. **ECT** [Müh06a]. **eddy** [KKW06]. **Edge** [LM07a, GG09b, YZ09a]. **Edge-preserving** [LM07a, GG09b]. **edges** [ELA09b]. **Editorial** [GMS08, ZFS09, Ano08m, Ano09k, Ano09l, Ano09m, Ano09n, Ano09o, Ano09p, Ano09q, Ano09r, Ano09s, Ano09t, Ano09u, Ano09v, Ano09w, Ano09x, Ano09y]. **Editors** [Ano07u, Ano05-29, Ano05-30, Ano05-31, Ano05-32, Ano05-33, Ano05-34, Ano05-35, Ano05-36, Ano05-37, Ano06o, Ano06p, Ano06q, Ano06r, Ano06s, Ano06t, Ano06u, Ano06v, Ano06w, Ano06x, Ano06y, Ano06z, Ano06-27, Ano06-28, Ano06-29, Ano06-30, Ano06-31, Ano06-32, Ano06-33, Ano06-34, Ano06-35, Ano06-36, Ano06-37, Ano07v, Ano07w, Ano07x, Ano07y, Ano07z, Ano07-27, Ano07-28, Ano07-29, Ano07-30, Ano07-31, Ano07-32, Ano07-33, Ano07-34, Ano07-35, Ano07-36, Ano07-37, Ano07-38, Ano07-39, Ano07-40, Ano08n, Ano08o, Ano08p, Ano08q, Ano08r, Ano08s, Ano08t, Ano08u, Ano08v, Ano08w, Ano08x, Ano08y, Ano08z, Ano08-27, Ano08-28, Ano08-29, Ano08-30, Ano08-31, Ano08-32, Ano08-33, Ano08-34, Ano08-35, Ano09z, Ano05p, Ano05q, Ano05r, Ano05s, Ano05t, Ano05u, Ano05v, Ano05w, Ano05x, Ano05y, Ano05z, Ano05-27]. **Editors** [Ano05-28, Ano07p, Ano07q, Ano07r, Ano07s, Ano07t, GD09, VK08]. **Educational** [Art09]. **EEG** [CHV+08]. **effect** [dCDND06, HKA07, Min05, MU08]. **Effective** [LCH07, CK08, WC08]. **Effectiveness** [KM06, SS08]. **effector** [Wod05]. **effects** [BCP07, FZ08, IV08, LC09a, NPTH09, SBO09, TSC10]. **efficiencies** [WY07, WYW08]. **Efficiency** [Kan05, CdAHBR06, CHBMBR07, EHR09, GS09, Pet09b]. **Efficient** [AKW05, Cas05, EL06, FGB07, FPP08a, GLS07, GPPRRB06, GPPRB07, Guo06, PR08b, SK09b, TR09, VLR08, Xia07a, BBD06, CDM07a, CC06a, CCJ07, Cof09a, DP08a, EGM07, GW09, HC09, HO07, JKM07, KDN08, LMR07, LCKK06, PRP08, SK06, Tan06, VAN06b, WK08, WT07, WC07, WZ07, ZZZ08, Zhu05c]. **Ehrenfest** [AR09a]. **eigenbasis** [Ter05]. **Eigenfrequencies** [Ban07]. **eigenfunctions** [Gri09, NSS06]. **EIGENIND** [WWW08]. **eigenpairs** [yPlH05]. **eigenproblem** [Yua09]. **eigenproblems** [Wu07]. **eigenspaces** [CL06c]. **Eigenvalue** [CW05, DV08a, Deu07, Deu09, LRV+09, NP06, NP07, ABG06a, AR09b, ALR05, CKWZ07, CCJ07, CLN09, CHLW08, Gei09, Ham09, Hem06, Hoc08, IV08, Ish07, Jar09, Koh08, Li07b, LF07b, LvGJ06, PKS+09, SS07, VRBF07, WMG08, WL09a, WWZY09, YD09a, Zho06]. **Eigenvalues** [ÅMK06, BE07, Won08, Wu08, AGM06, AV06, BHP07, BSS08, DW06a, HS06, HLL08b, JM07a, Lan06, LHL09, LHL06, QWW08, SHC08, SO05, Toy07, Vol08, WWW08, YXJG08, YH09b, Yüc06, dF07]. **eigenvector** [EEGG08]. **eigenvectors** [MVVV06]. **eight** [LLD09]. **eight-node** [LLD09]. **eighth** [BRW09, SS05, Tsi06]. **eighth-order** [BRW09]. **Einstein** [CCCH09, Wan07a]. **Ekeland** [ZL09a]. **elastic** [ABF+07, CFS09, CCLS06, Dem07b, LCZ09, LP07c, TANT09]. **elastically** [KS05b]. **elasticity** [BNPR08, GMM09, Her09, KS07b, SdJMH09, Sta07, XZS07]. **elastico** [HeM05]. **elasto** [AYK09, LLM08]. **elasto-plastic** [AYK09]. **elasto-plasticity** [LLM08]. **elastodynamic** [AB09b, BFP09]. **elastodynamics** [YA07]. **electric** [CHSW08]. **electrically** [IV06, NTS06]. **electricity** [BSMT09]. **electrocardiogram** [ZSGF09]. **electromagnetic** [CD05, CCM07, Cak07, EGM07, HCDP08, YOO07]. **electromagnetics** [CH09, FTT+05, OMC08, AFT+06]. **electromagnetism** [ABL07, DM07b]. **electrophoresis** [GMFB06]. **Electrostatic** [MMFMG07, DRV08, YZ09d]. **element** [AG06, AB07, ALR05, ABP08, BNT08, BN08b, BG07a, BGP07, BR07b, BNPR08, BFP09, CY09, CYZ09, CYM08, CL08, CWW08, CYB09, Chr09, CCS05, Cop05, DG08, Deu07, dCDND06, Dul08, DBG07, DBR08, EGFO09, EJ07, Fai07, FL08a, GGD08, GMM09, GLOS05, GDA07, GHT06, Ham09, HH07a, HCDP08, Her09, HS06, How09b, HGS08, JW08b, KKW06, KK06, KS07d, KK09c, Koy07, Koy09, LY07a, LLM08, Li06a, LW06b, Li07a, LH08a, xLLhZ08, LLD09, LWLL09, LHL09, LvGJ06, Ma06, MSZ07, MP06a, NH08, NTS06, NS09b, OS07b, OS09, OMV09, PV09b, RTGB09, RKK07, RKK09, SST09, SY09, Svá08a, Svá08b, Tab07, TR08, TSB09, TY05, Won09a, XKF06, XZL08, Xio07, YG07, YZ09d, YG09b, YXJG08, ZP06, Zar09, ZC08b, ZKSS06, vOP07]. **element-finite** [MP06a]. **element-Galerkin** [EGFO09]. **element/ALE** [SST09]. **elementary** [BXC09, DK06b]. **elements** [BdAR08, CC07, Dmi08, GLOS05, GRW08, Gil07, HMPR07, HLL08b, Jen07, Kuz08, MS09b, MK09, QCK09b, Sur05, Zha07]. **elevated** [MM06, Win06]. **elevation** [Sza05a]. **elimination** [Saa06]. **ellipsoidal** [HLY09]. **elliptic** [AS07, AK09, BNT08, BF05, BR07b, Bi08a, Bor07, BK06, CJCD07, Car05a, DAE05, DBR08, EPP+09, FFSS09, GAC+08, Gan08, Gás09, Gon06, GNP09, Har06, HAS09b, HC08, Jai06, KK06, KK08, KS07c, KSS07a, KKLY06, KV07, Kor06, KV09b, LFHW09, Lui09, Mag09, NH08, Neu08, RS05d, SFFS08, SFPS09, Tem07, TR07, TR08, TR09, TV09b, VG09, Wan07c, WG08, WLK06, YG07, Yan06d, Zhu08d]. **elliptical** [Nig07]. **Elman** [CM08]. **embedded** [FSW09]. **embedding** [Lui09]. **embeddings** [GO07]. **Emden** [LM09a, XL07]. **emergent** [GPS09]. **Empirical** [GH06, TFC07]. **Enclosing** [JT09a]. **encoded** [DL07b]. **encounters** [CSG05]. **end** [LNW06]. **endwall** [SS08].

Energy [GSS07, AB09b, BFGP08, EZ06, HV06b, KSS07b, LVV05, MDP08, ZGV06]. **energy-based** [MDP08]. **energy-consistent** [AB09b]. **engagement** [CG05]. **engine** [ABD$^+$09, DDL09]. **engineering** [GPS09, RTGB09, SLN08]. **enhanced** [CNN07]. **enhancing** [Eds09]. **ensure** [COEV05]. **entire** [DC09a, Yan06d]. **entries** [Ism05c]. **entropies** [MPZ09]. **entropy** [AMG07, Aki08, Aki09, HCL08b, KL08a, QLJ09]. **entry** [Mil07, RVK05, RV05]. **Enumeration** [Cam08, GZ05]. **envelopment** [Val09, WLL09, WL09b]. **environment** [CK08, Iza09, PLGS09, YJGL07]. **environmental** [AMO07, AMO08, CM08, KLS$^+$07, PT09b]. **environments** [THS05]. **enzyme** [JSS07]. **epidemic** [CLGG09, SMT07, WZ06, WJS$^+$09, YH07]. **equalities** [TS06b]. **equality** [JZW08, Lan08b, Lan08a, Zhu05b, Zhu08c]. **equation** [Abb07a, Abb07b, AEBEK09, AAK06, ABL07, ACV05, Asa05, Asl10, Ass09b, BM08a, Ban08, BFT07, BSC07a, BSC07b, BSC09, BY09, BD06, Boy09, BF08b, BR09, Bra07b, Bru08, CRS05, CY09, CLCL07, CHL09, CMRS06, Cla05, CBH07, CP09b, DSI06, Dan06, DP05a, Dao07, Dao08, DSW08, DS09b, DZ09b, DFLV06, Djo07, DJ06, DFY09, DL07a, DL09c, Eba09, EM07, EZ07, ESAD05, Eng09, EPS05, EK07, FSL09, FZ09, FI07, Fer09, FGRW09, FT05, Gal09, Gil07, Gin08, GS07c, Gon07, Gon09a, Guo06, HK07a, HCS05, Har08a, HS08a, HWY09, HBS$^+$07, HLL08a, HYG08a, IO06, IL05, Jen07, JW08b, KCK06, KRA08, KKLY06, Koç08b, KHWF09, KV09b, Kru05, LT07, LWW08, Lai09a, LL05, LRV$^+$09, LT05, LC06a, LLZY06, LS09, LZG$^+$09, LDM09, LM09a, LWLL09, LTM08, Liu08a, LLZ09, LYB09, LD06, hLyHZ08, LOA05a, Lu05, LLT07]. **equation** [LJ09, LYZ09, Lut07, LXZG09, MDMRP09, Mai08b, MV08, MNP08, MT05, MCA09, MY06, ML09, MRV09, MN07a, MU08, MD09b, Mus09, Nke05, NMMS05, OS07c, OOO$^+$07, OS06a, PT09a, PI06, yPESlZ07, yPyHZ07, PP08, PV09b, QFX06, QWS09, Rad05, RZ07, RW09, RO05, SS05, SWZ05, SyS08, SWYZ09, SJ09, SRW09, uIHA09, SD09, Sma05, SWZ09, SBO09, SCY09, SS06c, Sut07, SSMB07, Swe07b, TY07a, Tur06, VN09, VJ09, Vin09, Vol05, WHG07, WSM$^+$09, WYO09, WG09, WO08, XHK$^+$08, Xio07, XCZ08, YZ09a, Yan06d, YZ09c, YM07, YCJ09, ZCH07, ZLA07, ZLYW09, ZM09a, ZT07, ZL07, ZZ08b, ZL09b]. **equations** [AETE07a, AEET09, AT09a, eMH05, ARG08, AS05b, ADMM07, AAZ06, AFT$^+$07, AMCM05, ARVP09, ABG06b, AB05, ADLT09, AKL05, ABS07, AK07, ABR07, AGRZ05, AR09c, Arg09a, ABV08, ADDdM05, BS08a, BS09a, BB05, BP05, BBPR09, BN08b, Bar09, BJ08, BH07a, Bat08, Bej06, BG09, BUG07, BLT09, BGP07, BB07, BRW09, BBSV08, BK09b, BF09, BTS07, Bru09, BLP07, BW07b, BSS09, BH07c, COEV05, CS06a, CS07a, CVB07, CM07, CC06a, CC08, CCD09, CJB05, CJB06, CMR06, CMV09, Car05b, CHCW05, CX06, CS07d, CX07, CL09a, CT09c, CYB09, Che08, CXH09, CHJL08, Chr09, CG06, CD06, CMT09, Daa09b, DC08, DSC09, Dai11, DL08b, DL09a, DG08, DR08, DVCH06, Dem07b, Den07b, DFFW06, DF09, DZ09a, DL08c, Dio09, DA08, DO06, DAE05, DFLP08]. **equations** [DG05, EGO06, EGFO09, Ela09a, Enr06, EBP09, EM08c, FWY09, FWZ09, FH09a, FPP07, FPO05, FLPA09, FFSS09, FL06c, FDFL07, FL09b, FN09, FC09, FZL07, FTT$^+$05, FH09c, GG09a, GGD08, Gan07, GS07a, GJM07, GZL07, GJ08, Gar09, GKM07, Gei08, Gei09, GC09, GRW08, GS07b, GO05, GL06, GL07, GW06a, GSS07, GS08, Gug06, GX09, GS06b, GRL09, HCL08a, HEOS05, HZBM06, Han07, Har05, Has06, He05, HRGD08, HO06, HMG06, Hon07, Hos06, HL09b, Hsi09, Hsu05, HSL08, HR09a, HR09b, HM09b, HMT09, HV06c, Ish07, Iva06, IS06, JL06a, JZK09, Jac06, JDG06, Jan09, JN09, bJyKyZmT09, KKW06, KYF05a, KYF05b, Kaw07, KCS06, KTH08, KA07, Koç08a, KV07, Kom07a, Kom07b, Kom08, KW09, KLO08, Kot08a, Kot08b, Kro06b, KTM09, KLV09, LLL06, LWW08, Lai09b, Lan06, yL08, Lar08, LY07a]. **equations** [Lew06, LW05b, Li05b, LH05b, Li06a, LS06b, Li06b, lLzS07, LH08b, LH08a, Li09a, LkLkP09, LS07c, Lin05, zLCgS06, LXUK06, pLT07, LY07b, Liu08b, Liu09a, LCZ09, LZ09d, LB09, LLW09, Liu09d, LB10, LRT06, LN07b, Lop07b, LC08c, Luo06a, Luo06b, Luo07, Luo08, Ma06, MW07, MJ09, MJX09, Mag09, MO07a, MB07a, MS09a, MYY05, MYY07, Mao07, MSB05, Mar09, Mat07b, Mat08, MN05, MD09a, MY08, MA08b, MRV09, MS07c, MNHA09, MO07b, MO08, Mot06, MNMS05, MI09, NMKS09, Ned08, Neu08, Nou07, OW06a, OZY05, PDM08, PT06, PT08a, PV09a, PPR07, Pet09a, PP05, Pie09, QW06, Qin09, Qiu07, RA07, RLX08, RLH09, Rob07, RAG07, RS05c, RHQ06, Roo06, SK05, Sak05, Sak06, SST09, SKAW09, SAD07, Sha09a, SZ08a, SZ09b, SFSK07, Sim07b, SRP08, SZ08b, Śmi07, SA07b, ST07, SDV06, SM09, SH09, SF06]. **equations** [SL08, SLZA09, Sza08, TRS07, TTZ06, TS06a, TRST09, Tat06, TBBC07, Toc05, TV09b, UO09, Uje07, VVE08a, Var07, VLR08, Vil09, Vol08, WWC05, WTL05, WCH05, WCZ07, Wan07b, WWC07, Wan07a, WML08, WLS08, WPC08, WHL08, Wan08a, WZ09a, WSZ09, WH09a, WLS09, Wan09a, Waz07b, WYL09b, WS09b, Wil06, Won05, WWD09, XW07b, XL07, Xu08, YG07, YC05, YS07, YZL08, YWD09, YG09a, YLN09, YW09b, YG06, YLW09a, YXYJ06, ZGV06, ZS05, ZZZ06, ZZ06a, ZFG08, ZGH09, ZJ12, ZW09c, ZLDW09, Zhu06, Zhu08a, ZH09, Zhu07, Zhu08d, ZCZ08, jia09b]. **equidistant** [Huy09, Mao07]. **Equidistributed** [SÁ08b]. **equilibria** [PPV05]. **Equilibrium** [AKLT09, CY08b, CAHAY09, HyLC06, KA06, LCA07, QCK09b, ZW09a]. **equivalence** [CLP08]. **equivalent** [BGRS05]. **equivariant** [ÅMK06]. **ergodicity** [Gu07]. **Erratum** [AMO08, ByXy06, yCyZ09, KYF05a, LC09b, LB10, LHL11, Van07a]. **Error** [ADD$^+$08, ABR07, Bou07b, Che08, CNN07, Cop05, CDM07b, DSC09, Dai11, DP08a, DZZT07, EJ07, Koy07, Koy09, Li06a, Li07a, Li07b, MS09b, MSP09, VMMM09, Wan07c, YLC09, AT09a, AG06, BRIP09, BG07a, BFP09, CGPM08, CS07c, CL08, CCS05, CN08, DFY09, ED06, EPP$^+$09, FH09b, Fin08, FT05, GPV05, Gon07, GSS07, GNP09, KS07d, Kor06, KV09b, KHK08, LH07b, LY07b, MS05a, MS07b, MvdMV06, MCD06, NH08, Neu08, Osa06, PIP07, Pre09, Sen07, SÁ08b, SF06, TR09, TQA06, YG07, YZ09a, Zhu08a]. **errors** [BGJ07, CU09b, GPTT05, SB09, VRBF07]. **estimate** [Che08, FI07, GNP09, HO07, KHK08, SZ09a, TQA06]. **estimated** [GH06]. **estimates** [Bou07b, CL08, CCS05, CHBMBR07, DSC09, Dai11, Deu07, FT05, GPTT05, Gon07, GSS07, Koy07, Koy09, KV09b, LY07b, MS09b, MSP09, Moh05, PD06, Vin09]. **Estimating** [DP05b, MCD06, Sen07, FR06, HO06, MvdMV06, Wat07]. **Estimation** [ER07, TMG09, AT09a, BBF$^+$05, BTI08, BFP09, CGPM08, CS07c, DMM07, DA09, DZZT07, GG09b, HAS09b, Hu05a, HR05c, KS07d, Kor06, LCKK06, LP09, MV08, MJB09, NGS05, PPR07, SB09, SF06, Ver05, WK07a, YG07, YLC09]. **estimations** [CN08]. **estimators** [ABR07, CP09a, CV06, KK09a, MPP09]. **Euclidean** [Bra07a, KSS07b, Sin09]. **Euler**

[TGJ19, AK07, BB05, Ber06b, CM07, FN09, Gau08, HK07b, JN09, MYY07, Mao07, PDM08, Pré08b, YL06, ZGH09]. **Euler-type** [BB05]. **Eulerian** [LN07a]. **Evaluating** [ABF+07, FH07, SW06b, WYW08, EJ07, HC09, Kho09, MS06a]. **Evaluation** [Gao05, Vol05, AG09, Asa05, BMS05, BS05, BE06a, CE09, Cof05, DP08a, EJ08, GLS07, Gao06, GM07c, HSN09, HCK07, LVV05, MS08b, PK06, Par07b, Par07a, Par09c, RB05, SLMW06, SK06, Val09, Van05]. **evaluations** [MNG09]. **even** [CDL05, GX09, HCK07, KV05, WTL05, YL09b]. **even-order** [YL09b]. **evenoids** [HCK07]. **events** [ZBB+05]. **Eventual** [ZS05]. **everywhere** [CV09]. **evolution** [BLR07, BK09b, EM09, FFSS09, KCS06, Mat08, MA08b, Pie09, SA07b, SACJ09, UO09]. **evolutionarily** [Lin08]. **evolutionary** [BBF07, BKB06, KCLW08, Lin08, LW08a, PLGS09, TBL09]. **Ewens** [Hui07]. **Exact** [CdWJ06, Eba09, KCS06, Roe08, Tat06, ZGV06, eMH06a, Asl10, Ass09b, CHL09, Gin08, GPS08, Koi05, LWW08, LLZ09, hLyHZ08, Vil09]. **exactness** [BC08, OS06b]. **examples** [Bak05]. **Exceptional** [Daa09a, Sch06a]. **excitable** [Sha05]. **exclusion** [Alo07]. **exemplified** [Wil06]. **exercise** [BBM09, Gau05b]. **exhaustive** [Tan06]. **exist** [CMM09]. **Existence** [AV06, CHCW05, CXS06, HCS05, HJK09, HLX06, HWY09, LW05b, LF07a, LS07b, LD08, LZ09c, LJL06, LOA05a, LJ09, MK07, NPTH09, RR06, Sun08, TSC10, YC05, Yan06d, Yas07, ZCS06, ZG09, ZC08a, ZL07, ZSZ09, FHL07, JG09, Jia09a, LZ08a, LZ08b, LZ09b, LZW09, MN05, MN07a, NM06, RLX08, SFV09, ZLL08, ZT07]. **exit** [PW08]. **Exotic** [Sch06b]. **Exp** [Asl10, BK09b, Eba09, Ass09b]. **Exp-function** [Asl10, BK09b, Eba09, Ass09b]. **expanded** [TMG09]. **expanding** [BeMBH06, Xu07a]. **expansion** [Abd08, Boy09, GHZ06, LL01, Mat06, RV05, Sto05b, Tur06]. **expansions** [AS05a, CV05a, CDL05, DA06, HLL08b, KSS07a, LHL09, Lóp07a, PK06, Par07b, Par07a, TV09a, YXJG08, ZZ06b]. **expectations** [VCD+08]. **expected** [CP07, LXSH09]. **Experimental** [BDL09, VB05c, BGP07, YA08]. **Experiments** [ARN07, BG07d]. **expert** [CKC+07]. **Explicit** [CDL05, Djo07, GG09a, GGT07, JM07b, MVVA06, VV09a, AMCM05, BJ07a, Fra05, Fra06, Gar09, HLJ09, Li05a, LW07, LLZ09, Ma06, WCL08, WG09, WSPJ09, ZP06, ZWZ08, Zhu07]. **explicit-implicit** [Zhu07]. **explicit-magnetic-field** [Ma06]. **explosion** [GEK09]. **exponent** [ZW09d]. **Exponential** [BB05, CU09b, Koz08, Koz09, LMZ08, Mao07, MVVA06, Moh08, RTGB09, Zha08, CVB07, DA09, DJ05, FL09c, FL09d, JS08, KSVW07, KT09, LWH09a, LZY09, Luo07, MBCV09, May08, MOC09, Moh07, MNMS05, Nov08, NMMS05, PDM08, Par09a, Rie06, Rom09, Sab08, SÁ08b, SC07b, TYZ+05, VV09b, VAMVC05, XLHZ05]. **Exponentially** [VV07, CFMR08, CFMR09, Gau05a, HVV09b, Van05, Van06a, Van07a]. **Exponentially-fitted** [VV07, HVV09b]. **exponentials** [CJP08]. **expression** [EKL+07]. **expressions** [HY09b]. **extend** [Iza09]. **extended** [DP05a, HEOS05, Jan08, KKD06, MJ08a, NKA09, SWZ05, WF08]. **Extending** [SD06]. **extension** [BM07b, DM05, KK05, Rza09, Sak09, Sid08, SSZ09, SS09e, VB05c]. **Extensions** [AGRZ06, BE06a, CSSL09, LC08a, Möl07]. **exterior** [CU09b, CNN07, HLY09, Koy07, Koy09, Qui07, SHK+08, WGZ08]. **external** [ZZL08]. **Extinction** [LC09a]. **extracting** [JK07]. **extraction** [SK06, ZSGF09]. **extragradient** [CY08c]. **extrapolated** [FHZ09, FZL07]. **extrapolating** [WDC07]. **Extrapolation** [Mar09, CLA09, CLN09, pLT07]. **extrapolations** [YXJG08]. **extrema**

[SZ09a]. **extremal** [Ism07, yPESlZ07]. **extreme** [FNW06, Kra06, MPZ09, vDvFZ09, vDvFZ13].

Faà [CHS06]. **Faber** [OS07a]. **facilitates** [Koç08b]. **facility** [TFC07]. **factor** [CP07, HO09, LCYZ08]. **Factoring** [XC06]. **Factorization** [GO05, BDY09, DO06, RT09]. **Factorizations** [KT07a, GSBB09, Yun05a]. **factors** [And09a, GS07c]. **fair** [NP08]. **fairing** [ZX06]. **Falkner** [Asa05]. **families** [HHR06]. **family** [ABBM09, BS09c, CXH09, HHC09, Iva06, JK07, MW08, MW09c, Moh05, Ned08, NS09c, Osa07, PM05, PRP08, PK09b, QCKK09, RS07b, SG09, Tem09, YL06, YLS07, ZJ12]. **Farey** [IL05]. **Farey-type** [IL05]. **Farlie** [GK08]. **Fast** [BK06, CD06, Cou09, EZ06, LLL06, PLGS09, WDC07, Bru08, CC06a, CMR06, CHLW08, DM07b, DRT09, DFFW06, Est07b, LS09, Mai08b, MVV08, OMC08, PT08c, RTGB09, RO07, Sak09, TGB08a, YH05, YWH05a, YWH05b]. **faster** [NKM08]. **faults** [IV08]. **Favard** [CBGV05, Van08]. **FC** [HL09a]. **FC-spaces** [HL09a]. **FDM** [zLCgS06]. **FDTD** [FZL07, XTZ06]. **FE** [BF05, CNN07, HKV09, WDC+08]. **feasibility** [CS06b, MP08b]. **Feasible** [bJQlZ07, JTHZ05, bJxC09, ZLZ09a, Zhu08b]. **features** [BBM09]. **February** [Gau08]. **fed** [Liu09c]. **fed-batch** [Liu09c]. **feedback** [JL07a, JW08a, LT05, LW05b, lLzS07, LOZ08, MLOP06, SS09a, XXL08]. **Feir** [OOO+07]. **Fejér** [SL05]. **Feller** [ZLA07]. **FEM** [BCH06, Bou07a, LN09, MK09, MSTT08, MU08, Roo06, SL06, SV07b, UHNC09, VS08, WT07, XCZ08]. **FEM/FVM** [MSTT08]. **fetal** [ZSGF09]. **FETI** [DHS09]. **Feynman** [Cof05]. **FFT** [HO07]. **Fibonacci** [Kil07]. **field** [AAR09, CCLS06, DCZ07, dCDND06, HPS06, ICW+09, IV06, LvGJ06, Ma06, MD08, NSK07, TTZ06]. **fields** [AD09, CHSW08, HCDP08, YOO07]. **fifth** [Cla05, KLW07a, SWZ05]. **fifth-order** [KLW07a, SWZ05]. **filled** [Dem07b, LZLH07, LXX08, lSsZ05, WYL09a, YY07b, ZXZ09]. **film** [BSKS07]. **films** [VV05a]. **Filon** [Xia07b]. **filter** [SP09b, Zho09a]. **Filtering** [WLL07, JKK06, Pok06]. **final** [CL06b]. **finance** [DGS06, HCL08b, VK08]. **financial** [RTGB09]. **find** [Tok07]. **finders** [PRP08]. **Finding** [GW09, WC08, Alo07, BG07d, Osa06, Osa07, PM05, lSsZ05]. **Finetti** [YW09a]. **Fingering** [WZS06]. **fingerprint** [ZLdST09]. **Finite** [CGRGVP08, CYZ09, CSZ09, Dmi08, Her09, Ma06, NTS06, NS09b, AG06, AT09b, ARVP09, AB07, AS05e, ALR05, And09b, AKL05, ABS07, ABP08, BNT08, BN08b, BG07a, BUG07, BGP07, BR07b, BG07b, BJ06, BSV08, BNPR08, BFP09, BG07c, BCK07, BdAR08, BE06a, BE06b, CY09, CYM08, CL08, CWW08, CYB09, CC07, Chr09, CCS05, Cop05, CD07a, CK08, Deu07, dCDND06, DZ09b, Dor09, DK05, Dul08, EGFO09, EPP+09, EMP08, Fai07, FPS08, FL08a, GZL07, GMM09, GLOS05, GRW08, GDA07, GC06, GHT06, Ham09, Har08a, HH07a, HK08, HCDP08, How09b, HLJ09, HZ05, HLL08b, JW08b, KD05, KKW06, KK06, KM09a, KS07d, KAC05, KK09c, KSE09, Koy07, Koy09, KM09c, Kuz08, KL09, LLL06, LY07a, LY05a, Li06a, LW06b, Li07a, LCH07, lLzS07, LH08a, xLLhZ08, LLD09, LWLL09, Liu08b, LvGJ06, LP09]. **finite** [LP06a, LYZ09, MMM08, MSZ07, MS09b, MP06a, Mon09, MS09c, NH08, OS07b, OS09, OMV09, PS07a, PV09b, RTGB09, Roe08, RKK09, SST09, SM07, Siv09, SF08, SY09, Sur05, Sut07, Svá08a, Svá08b, Tab07, TS08, TGB08a, TGB08b, Tem09, TR08, TK07, TY05, UHNC09, VVE08a, VVE08b, WG08, WZ09a, Won09a, WSST05, XKF06, XTZ06, XZL08, Xio07, YG07, YLC09, YZ09d, YG09b, YXJG08, Zar09, Zha07, ZWY09, ZDC07, ZC08b, ZKSS06]. **finite-difference** [GZL07, Roe08]. **finite-differences** [ARVP09]. **Finite-element** [Ma06]. **finite-level** [BSV08]. **finite-part** [Mon09, ZWY09]. **finite-time** [LP09]. **finite-volume** [SM07]. **fire** [BM08b, RMKA05]. **First** [PW08, ADDdM05, BM08a, COEV05, CY09, CMST06, CS07d, CLA09, Che08, Fin08, Gin05, Jia09a, KS07c, KC07, Kom08, LC08a, LS07c, pLT07, Liu09d, Qi07, ST05, SZ08a, SZ09b, WSZ09, WS09b, YLN09, YLS07, ZLL08]. **first-** [Kom08]. **first-order** [ADDdM05, Che08, SZ08a, SZ09b, WS09b, YLN09, ZLL08]. **first-passage** [ST05]. **Fischer** [CP08b, CGP09]. **Fisher** [DP05a, DOY08, MDMRP09, OS06a, SRD05]. **fishways** [AVMVMV08]. **fit** [BdWG06]. **fitted** [CFMR08, CFMR09, DWW06, FSW09, HVV09b, PS05, Van05, Van06a, Van07a, Van07b, VV07]. **fitting** [CR09, CLQ09, JSS07, MVVA06, SV07a, SACJ09, TYZ$^+$05, VV09b, VAMVC05, ZH08]. **Five** [Sim07a, CMT09]. **fixed** [CY08b, CAHAY09, CS07e, EST07a, HL09a, HHZ07, Hug06, QCK09b, SVC09, SJZ09, Thi09, Won05, ZTY07, ZGSF08]. **fixed-fixed** [HHZ07]. **fixed-point** [SJZ09, ZGSF08]. **fixed-sign** [Won05]. **flame** [OW06b]. **flame-front** [OW06b]. **flames** [RR06]. **flat** [FT05, HeM05]. **flexibility** [AG09]. **flexible** [Dmi08, EFS05, SAHS09]. **Flow** [KGB$^+$07, eMH08, BGP07, BTS07, CO05, CEJ09, CMM09, Deu09, DDLM07, DFHS08, ER09, Fai07, FT05, Göt05, GGP09, GS06c, HAS08, HS07b, HeM05, ICW$^+$09, IV06, KPAT07, Kas06, Khu06, Las08, Lin09b, MP06a, MG08, MM06, NTS06, NSK07, Oga06, OA06, RVM08, Svá08b, TSB09, TLQ08, TY07b, WLMS08, Zad09, ZX06, ZZL08]. **flows** [eMH06a, AB07, AMO07, AMO08, BG07b, BG07c, BGG08, BeMBH06, BdAR08, CK09a, DRT09, Deu07, FZ08, GLOS05, HKA07, How09a, MS09c, OS09, SF08, Soh05, TK07, VVE08b, WT07, Wat09]. **fluid** [eMH05, BB08b, BB09b, CLA09, CEJ09, Dem07b, GW08, Guo06, Hat09, HKA07, HAS08, How09a, HKM08, IV06, OS09, Svá08b, VDV08, Wat09, Zad09]. **fluid-filled** [Dem07b]. **fluid-solid** [HKM08]. **fluid-structure** [VDV08]. **fluids** [Yan06c]. **flush** [SS08]. **flush-slot-cooling** [SS08]. **flux** [AMG07, AT09b, Hsu05, Kas06, Kuz08, LNW06, OS09, XF07]. **flux-free** [OS09]. **fluxes** [AMG07, ZL05]. **FM** [Ano05-29, Ano05-30, Ano05-31, Ano05-32, Ano06o, Ano06p, Ano06q, Ano06r, Ano06s, Ano06t, Ano06u, Ano06v, Ano06w, Ano06x, Ano06y, Ano06z, Ano06-27, Ano07v, Ano07w, Ano07x, Ano07y, Ano07z, Ano07-27, Ano07-28, Ano07-29, Ano07-30, Ano07-31, Ano08n, Ano08o, Ano08p, Ano08q, Ano08r, Ano08s, Ano08t, Ano08u, Ano08v, Ano08w, Ano08x]. **focal** [Won08]. **focus** [DL09b]. **Fokas** [PK09a]. **Fokker** [WO08]. **fold** [XY05]. **following** [Sta07]. **force** [TANT09]. **Forced** [WWC05, eMH08, CBH07, GC09, Hoo08, HM09b, Li05b, LH08b]. **forces** [ZZL08]. **Forchheimer** [Las08]. **forcibly** [Hat09]. **forcing** [AML07, ZSZ09]. **forecasting** [BSMT09, XGZ09]. **Foreword** [BE06c, GD09, VK08]. **form** [Fai07, Has09a, JL06a, KA08, LW05a, Lu09b, Sau07, SLMW06, WLL06, WF08, Wu08]. **formal** [GS08]. **formally** [LT07]. **formation** [LNW06]. **forms** [Lin09a, Moh09]. **formula** [AOSY05, BXC09, Ber06b, BE06b, CHS06, CCLS06, CN07, CBGV05, ELA09b, HYC05, HS05, KMJ06, MO08, Oou08, Won09b, Xie08, XC09, Yan05, ZC06, vD05]. **formulae** [DMS05, GN09, Hui07, HV05, JB09, MM07, OS06b, SS09d, Sto06]. **Formulas** [MP08a, BC08, BP09, BDGV05, BDGV09, CX08, CBDGVN07a, CBDGVN07b, Gon09b, HHST05, Li05a, LM07b, MJ08b, Mil09, Möl07, NSL07, Pet07b, Tay08, Tur09, Wil07, YH05, YWH05a, YWH05b]. **Formulation** [AB09b, BSV08, BGG08, DM07b, FT05, GDA07, Hug06, LB07, MD08, YXYJ06]. **formulations** [AFT+07, DRV08, DCZ07, Dul08]. **Fornberg** [BDHW07]. **Fornberg-like** [BDHW07]. **Fortet** [Bru08]. **Fortran** [Gao05, Gao06]. **forward** [Dao07]. **forward-backward** [Dao07]. **foundation** [CFS09]. **Four** [RCR05, AOSY05, BBM07, CGPS08, CMT09, DWW06, xMzY09, NBSV08, Par08b, ZCL06]. **Four-dimensional** [RCR05, Par08b]. **four-direction** [CGPS08]. **four-point** [xMzY09, ZCL06]. **four-stage** [NBSV08]. **four-step** [DWW06, NBSV08]. **Fourier** [AGM09, BP09, CZ08a, CLA09, CV09, DD06, DFY09, KK09c, LÅH08, LLT07, LC08c, PT08c, VMMM09, Wri08]. **Fourier-finite** [KK09c]. **Fourth** [FOP05, HRGD08, QFX06, WG08, ABG06b, DZ09b, FWZ09, Gal09, Has06, Kar09, Kou08, KBB05, LT07, LJL06, Lu05, LJ09, xMzY09, NMMS05, NMM07, PS09a, PS05, RVA07a, TG07, Wan07c, ZCL06, ZFG08]. **Fourth-order** [FOP05, HRGD08, QFX06, WG08, ABG06b, DZ09b, FWZ09, Gal09, Has06, Kar09, Kou08, LT07, LJL06, Lu05, LJ09, xMzY09, NMMS05, NMM07, PS09a, RVA07a, TG07, Wan07c, ZCL06, ZFG08]. **Fowler** [LM09a, XL07]. **Fox** [MPS05, MP07]. **FPM** [TK07]. **fractal** [Ban07, MDT09, SNV06, TH07]. **fraction** [KSS07a, VK06]. **Fractional** [Pie09, Abb07a, ARG08, AR09a, AHM08, BGG07, CLA09, CEJ09, Den07b, DFFW06, DA08, EM08c, FGRW09, FC09, GDM08, GG09a, Gar09, GAR07b, GM09b, HS09b, HLL08a, JDG06, Jay08, LW08c, LXZG09, MPS05, MP07, MPR07, MNHA09, MO07b, MO08, PJ06b, PJ08, Roo06, Sal09, SW08, SWZ09, SH09, TV09a]. **fractions** [BHJ05, Khr05, LW05a, Lut07, Waa05]. **fracture** [KBSK08]. **fractured** [LP07c, MSTT08]. **fragmentations** [Hui05]. **frames** [CS08]. **framework** [FPS08, Gon06, LMR07]. **Fréchet** [ABBM09, Hu05b]. **Fréchet-differentiability** [Hu05b]. **Fredholm** [BS09a, BF09, CMR06, CMV09, DL08b, Hsi09, Ma08a, PT08a, RA07]. **Fredholm-type** [Ma08a]. **free** [eMH06a, eMH08, AFT+06, BG07c, BGG08, BT09, CGP09, CXH09, Civ07, DEMR08, ESAD05, FZ08, GWG08, GGP09, How09b, HHC09, IV06, Kas06, Koh08, MLL09, MD08, OS09, RT08, RT09, RP09, WCL08, XSP09, Yam08, YB05, ZJ12, ZLZ09a]. **free-convection** [Kas06]. **freeze** [GKMS09]. **freeze-drying** [GKMS09]. **frequencies** [Gil07]. **Frequency** [KC07, Van05, ACWL07, AE07, FG07, IV06, Kim05, LN07a, LCKK06, MOZ07, RDH07, SC07a]. **frequency-amplitude** [SC07a]. **Frequency-dependent** [KC07]. **Frequent** [YZ09c]. **Freud** [MB07b]. **friction** [HV06a, NT08]. **frictional** [AB09b, CFHM06, CFV06]. **friendly** [RMKA05]. **Frobenius** [BG07d, MV05b, Mat07a]. **frog** [BD06]. **front** [OW06b]. **fully** [Bat08, DDL09, FvZ06]. **Function** [GS08, eMH05, eMH06a, AMG07, AHL+05, AD09, ADD+08, Asl10, Ass09b, BP05, BK09b, CP08b, CGP09, CCS05, Cof08, DH09, Eba09, EJ08, ELA09b, Ext99, FLS06, FS08, Fin08, FPP05b, Gau05b, GQ09b, GBR09, HKZ09, Hsi09, HS05, JAE09, JT09a, JSS07, KK09a, KKLM06, KSVW07, KD06, LL01, LZLH07, LXX08, Luo06a, LHW08, MC08, MNG09, MPXK06, MCA09, Mil06, MvdMV06, MLY07, PT09a, Par05b, PLMP08, Rui05, Sab08, lSsZ05, SLH06, Sto05b, TJ08, TMG09, Tok07, Tur09, WFW09, WYL09a, XHK+08, Xu07b, Xu08, XSP09, YZ09d, YY07b, ZW09a, ZXZ09, ZZ09a, ZTG09, ZA09]. **Function-valued** [GS08]. **functional** [Bru09, CX06, FL09b, FL08b, GO05, GXZ06, Har05, HR09a, JL06a, Lan08b, Lan08a, LW05b, LC06a, LCH09, LS07c, LTC06, LXUK06, Liu08b, Liu09a, LZ09d, Liu09d, MS09a, RLX08, SAD07, Vol05, WWC07, WYL09b, WS09b, WTZ08, WH09b]. **functionally** [CC07]. **functionals** [BR09, KW07, Yam08]. **functions** [AS05a, ADGH06, AHS08, ABET08, Ant08, Ant09, ADGR06, ADÓ07, BM08a, BS08a, BXC09, BNP06, BMW08, Bel06, Ber05, BGJ07, BHJ05, BGVHN05, BGVHN08, Car05a, CZ07, Cof09a, CJ09b, CGP07, CJ08, CDL05, CD07b, DS09b, DFZ07, DC09a, DT06b, Dun06, EIM+09, FKL05, FPP08a, FPP08b, GHMPV09, GG07, Gau05a, GK07, GPTT05, GQ09b, GM07c, Har08b, HC09, HS09b, HCK07, HV05, Ism07, JK07, Jon06, JT09b, KM09a, KI08, KC07, KS05a, LL01, LÅH08, LVV05, Li06b, Liu07, LYW08, LXSH09, LW08d, MPS05, MP07, MDT09, MDSR04, MJ08a, MM07, MC05b, MC05c, MSP08, MSP09, MS07d, NWW08, NSS07, Nou07, Osa08, Par09c, Ped05, Qi07, QG08, Qi09, RA07, RB05, Sau08, Sch08, Sch05, SW08, Skr05, Sto05b, Swa06, TV09a, TFC07, Tur09, VB05a, VB05b]. **functions** [Var07, VS08, Vid05, WZ07, WGZ08, YXYJ06, ZYD07, ZW06a, ZZ07, ZLY09, dS07a, vOP07, HHC09]. **Fundamental** [BTS07, CU09a, CU09b, JK07, Li09c, Oga06, OA06]. **Further** [Sid08, Sza05b]. **Fuzzy** [BK09a, WL09b, CT09a, CP09a, Dai09, DA09, EM09, FY06, Hua07, Hua08, Iza09, Kaz06, KK09b, KGW09, LLS09, LZWQ09, MM09, QLJ09, RM07, SVC09, SP09a, SRP08, SAFS07, Ver08, WW09, WCW09, XGZ09, YJGL07, YZ09e]. **FVE** [YY07a]. **FVM** [MSTT08].

G [AA09b, ÉT08, TYH08, WWP09]. **GA** [GBR09]. **Galerkin** [AB07, Ber06a, BHP07, CN08, Cui07, Cui08, DSI06, Deu07, DFLP08, DT06b, EGFO09, ER07, ER09, Eps09, FG09, Gon07, Gon09a, GSS07, GNP09, GRL09, Han07, HL09b, Kan08, KS09, LZ09a, LN07b, LC08c, MCR08, Mar09, Mat08, NMM07, PT08a, Roi07, Scu09, TR09, UO09, VMMM09, Xio07, YZ09a, ZLZ09b, ZH09]. **Galerkin/Runge** [Han07]. **GALI** [BMC09]. **game** [Lin08, LW08a]. **games** [YZ09e]. **Gamma** [SLH06, AS05a, AA09a, GQ09b, GM07c, Har08b, MvdMV06]. **Gammel** [Bak05]. **GAOR** [ZSWL09]. **gap** [CSZ09, DIKZ07, Den07a, ZW09a]. **gaps** [AGM06, Coj09]. **gas** [Ban05, CMRS06, Las08, Ste07]. **gases** [SL09]. **gate** [LY05a]. **Gauss** [GPPRB07, LC09b, BC09b, CLM06, CFMR09, CEF08, EJ08, FLS06, GPPRRB06, JB09, Kim05, Li05d, LH08a, MS05a, MC05a, MS07b, MSP08, NKM08, Par05a, Par08a, SV09, Vid05, Waa05, ZM09b]. **Gauss-fractions** [Waa05]. **Gaussian** [AAR09, BC08, CV05b, FL06b, Gon09b, HSN09, MCA09, MC05b, MSP09, Saa06, ZLLW08, ZX06]. **Gaussianity** [SJZY09]. **Gautschi** [JB09, Qi09]. **GCDs** [WA08]. **Gegenbauer** [HS05]. **Gelfand** [MN07a]. **gene** [HBS+07]. **General** [CH09, Li05a, Pre09, ZYD07, Zin05, Bno07b, CQ09, DL09b, JTHZ05, JK07, KKS+07, LY09, LC06b, LL07a, LLZ09, Sin09, WCH05, WLS09, WWP09, XH08, ZLDW09, ZL05]. **generalised** [Par09b]. **generalization** [HVV09a, HMH08, PJ06b, ZWF09]. **Generalizations** [BCV+05, OW06a, QGC08]. **Generalized** [BNT08, BGP09, Dai09, HKZ09, HYC05, LCA07, MPR07, Par05c, PS09b, Skr05, Tor08, VRSS08, VZ08, Wün05, Xu05a, Abd08, ABG06a, AMG07, AHL+05, AU09, ARVP09, ABP08, ByXy05a, ByXy05b, ByXy06, BUG07, Bra07a, BI08b, CY08a, CX06, CP08b, CLA09, CGP09, CG06, CV05a, Din05a, Din05b, DF08, Eba09, EGO06, FD09, GW08, Gin08, GM07c, GK08, Han08, Har08b, HHC09, HR09b, HyLC06, HWL09, Jay08, JK09, bJQlZ07, JC09, JB09, Kaz06, KBA09, Kil07, LWW08, Lai09a, LÅH08, LD08, LH09, LM09a, Lin07, LF07b, LF08, LXZG09, MDMRP09, MT05, Mil09, MO08, Müh06a, Müh06b, PT09a, RP05, SAD07, SW08, SCG08, SFFS08, SFPS09, Śmi07, Sza08, THC08, WGZ08, WL09a, WMN05, WN08, Won08, XZL08, XC09, YL09a, YN08, YA08, YD09a, ZCH07, ZhL08, ZJW08, ZLYW09, ZW09a, yZXL09, ZSGF09]. **generalized** [ZSZ09, Zhu06]. **Generals** [RMKA05]. **generate** [EM07, EM08a]. **generated** [PS08, VT06]. **Generating** [PPG07, CZ07, GG07, KKLM06, UFG09, WFL07]. **Generation** [BMS05, BS05, RB06, BB08b, DW06b, HSN09, JLR06, Swe07a, Van06a, Van07a, Vul07, Zud05]. **generative** [Gia06]. **generator** [BS06, Wik08]. **generators** [Kan05, Tan06]. **Generic** [Pet07b, KMJ06]. **Genetic** [McC05, TBBC07, ZZ09b]. **genotype** [WWWF09]. **genus** [AKLT09]. **Geo** [TYH08]. **geodesic** [Car07]. **geodynamo** [Che08]. **geographical** [AMO07, AMO08]. **Geometric** [CKWZ07, CMS08, Har06, Arp07, Gar07a, MPXK06, SEAA08, SaLJ08, rWlC06]. **geometrical** [FH07, RD08]. **geometries** [SV09]. **geometry** [Koç08b, ZGV06]. **geophysical** [BB08b, BB09b]. **geospatial** [KKS+07]. **Gerber** [ZLY09]. **Geronimus** [MH08]. **Gersgorin** [CK06]. **Gibbs** [BMW08]. **Gilbert** [Ban08]. **Ginzburg** [Lei08a, Lei08b, LLT07]. **Given** [Vil09, Wri08]. **Givens** [YH09a]. **glass** [Lan05]. **Global** [CGPM08, FL06a, FL09c, LH05a, LZY09, Liu05, Liu09b, Moh07, SW08, SC07b, Sto05a, WJS+09, WF09, YH07, YY07c, YY08, ZW06a, ZZ09c, Alo07, ABGH08, BJS08, KMB09a, LW05b, LF07a, LZLH07, LXX08, Liu07, LYW08, MZW06, MK05, RW06, lSsZ05, SaLJ08, Sin08, TF07, Tok07, WZ07, WFW09, WYL09a, WOK05, YY07b, ZW08, ZXZ09, ZA09]. **Globally** [LC06a, Fan09, XSW09]. **GMRES** [BJS08, PKS+09, YH09a]. **goal** [Kor06]. **goal-oriented** [Kor06]. **Goldstein** [LmY08]. **Göllnitz** [VK06]. **Good** [VC06, HE06b]. **goodness** [BdWG06]. **goodness-of-fit** [BdWG06]. **Google** [LSW09, Wu08]. **Gopalsamy** [MK05]. **Gordon** [WCZ07, Bra07b, DS09b, Eba09, OOO+07, VK06]. **Gori** [Yan05, PS08]. **governed** [CY09, LY07b, YZ09a]. **GP** [CGPS08]. **grade** [CLA09]. **graded** [CC07, MJ09, ZC08b]. **gradient** [And09b, BW06, CLQ09, CXH09, DC09c, GZLL09, HL07a, HTS09, HLF09, LNW06, LTW07, PV09b, Pul09, SG09, TBL09, WLY05, YLW09b, ZZ06a, ZZ08a, Zha09b, ZJ12]. **gradients** [FPP07, How09b]. **grain** [CLQ09]. **grain-size** [CLQ09]. **Gram** [RH06]. **graphs** [CW05, CW08d, PPG07, TL07]. **Grassmannians** [GK07]. **gravity** [eMH06a]. **Gray** [ZWZ08]. **Green** [AG09, MM07, MCA09, SV09, YZ09d]. **grid** [BS08b, BB08b, CYB09, CHJL08, DC08, HK08, LO08, MG08, MS09c, NSS06, Wac05, ZT06a]. **grids** [ABD+09, Bi08a, BB09b, Car07, EM07, EM08a, GH08, KDN08, MK09, WSST05, YLC09]. **Gröbner** [STB09]. **Gross** [Wan07a]. **Grossberg** [SC06a]. **groundwater** [KY07]. **Group** [HeM05, Kas06, RK08a, Val09, ADLT09, BeMBH06, DW05, EKEHR08, IS06, NP08, TM08]. **groups** [CK07, LV06, LV07]. **growing** [SLN06]. **Growth** [CP07, BRVWM07]. **Grünwald** [GAR07b]. **GS** [Li05d, NKA09]. **Guaranteed** [NH08, WK07a, KRAH07]. **guarantees** [HLF09]. **Guest** [GD09, VK08]. **guild** [YTM07]. **Gumbel** [GK08]. **gyroscopic** [YD09b].

Haar

[BS09a, BSS08, BSS09, RA07, ZYLY09]. **Hadamard** [FFK05, PK06, Par07b, Par07a, Par09c]. **Haddock** [ZWF09]. **Hahn** [BR09, FLS08]. **Hahn-type** [FLS08]. **half** [BGVHN05, CMV09, LZ08b, LZW09, OYA07, Sak05, YA07, ZM09a]. **half-line** [LZ08b, LZW09, OYA07]. **half-linear** [Sak05]. **Halley** [ABBM09, Osa08, YL06, YLS07]. **Halton** [VC06]. **Hamilton** [Qiu07, TS06a]. **Hamiltonian** [FS07, MS07d, Tup07]. **Hammerstein** [AEBEK09, Lan06]. **Hamming** [Iza09]. **Han** [JH09]. **hand** [CHSW08, GQ09a]. **handling** [CKC+07]. **Hankel** [AH07, DS05a, EJ08, EK07, KM09a, NP07]. **haptotaxis** [Eps09]. **hard** [KS07e]. **harder** [PS09b]. **hardware** [KDH08]. **Hardy** [EL07, Gau05b]. **Harmonic** [Cho05, Swe07a, BS06, CY09, DDLM07, DFLP08, LN07b, WGZ08, Wu07]. **harmonics** [DLROY05]. **Harten** [ABT06]. **harvested** [Kar06]. **harvesting** [KOS07, LZZD09]. **having** [SHC08]. **hazard** [KK09a, Men09]. **head** [KY07]. **health** [DÖ09]. **heart** [VDV08]. **heat** [eMH06b, AZGN06, BF08b, CCH06, Dao07, Dao08, DA08, DFY09, EM07, Fer09, GS07a, GKMS09, HTS09, Har08a, HeM05, JL07b, Kas06, Lan05, MMM08, RR06, TQA06, WLMS08, XF07]. **heated** [CLA09, KD05]. **heating** [VT06]. **Hedging** [WWFV07]. **Hedstrom** [YS06]. **helices** [BM07a]. **Hellinger** [Sur05]. **Helmert** [Wat06]. **Helmholtz** [BFT07, EZ07, Gil07, GDA07, HK07a, Koy07, Koy09, Li06b, LS09, Lu05, QWS09, RS08a, RW09, SHK+08, Sut07, ZKSS06]. **Helmholtz-type** [SHK+08]. **Hemivariational** [Noo05]. **Hemivariational-like** [Noo05]. **Hermite** [Boy09, CV05a, DSZ05, DH09, Fin08, GJ08, Han09, HYC05, KW07, KSVW07, LMS08a, MST05, MW08, MW09c, Müh06b, NBSV08, Par09b, PS08, Sab08, XY05]. **Hermitian** [CL06c, DHM07, Du07a, DL09c, HWL09, JC09, KN06, KMB09b, LHL06, LvGJ06, Toy07]. **Hertz** [GKM07]. **Hessenberg** [Gem05]. **Hessian** [And09b]. **Hessian/vector** [And09b]. **heteroclinic** [Tac07]. **heuristic** [KCK09, Tok07]. **hexahedral** [Zha07]. **HHDMR** [TD06]. **hidden** [ABF+07]. **hierarchical** [MB06]. **hierarchies** [LZZ09]. **High** [AS05e, BFT07, Bor07, CCD09, CH09, CD07a, Dus05, GGG09, Har08a, LN07a, LYT07, MOZ07, MV05a, Par09c, SS06c, WG06, YLSX06, ABB+07d, ACWL07, AE07, BS08b, CS07a, CM07, DZ09a, Dor09, Dub09, Gil07, Huy09, IV06, JKM07, Kan08, KHWF09, LW07, LCZ09, OS06b, Pet09b, RVAD08, Rom09, TGB08a, TGB08b, TD06, VVE08a, VMMM09, WWC07, WS08, YSYX08, ZG09, ZW09b]. **high-dimensional** [BS08b]. **High-frequency** [MOZ07, ACWL07, AE07, IV06]. **High-order** [AS05e, BFT07, Bor07, CH09, Dus05, GGG09, SS06c, WG06, Dub09, Huy09, JKM07, Kan08, RVAD08, TGB08a, TGB08b, VMMM09, WWC07, YSYX08, ZG09, ZW09b]. **High-performance** [MV05a, Rom09]. **High-precision** [Par09c]. **Higher** [AGH06, Fin07, LTY08, WZ09a, ALR05, DLG05, Eig07, FH09a, FH09c, Gei08, HCL08a, KCK06, KL09, LWH09b, PM05, PRP08, Rad05, RP05, SS09d, VMV07, WKY+07, WT08, YM07, YL09b]. **Higher-order** [AGH06, LTY08, WZ09a, DLG05, FH09a, Gei08, HCL08a, PM05, Rad05]. **highest** [KK09b, SK09a, WeR07]. **highly** [AT09b, AT09d, BJ08, GLS07, HC09, HV06c, Xia07a, Xia07b]. **Hilbert** [AB09a, Bac09, BFM09, CQ09, FKL05, KM05, Pie08, WMN05, WN08, ZYLY09]. **Hilliard** [BN08b]. **Hirota** [CX06].

Histopolating [Sie08]. **histopolation** [FO05, FOT07]. **HIV** [ABD+05, CLGG09, IOS07, IOO07, Mer05, RMKA05, Ver05]. **HIV-1** [Ver05]. **HIV/AIDS** [CLGG09]. **HJB** [ZZ08b]. **hodograph** [KL08b]. **Hoff** [FZ08]. **Hölder** [HQ06, LS08, YL06, YLS07]. **hole** [LLM08]. **Holling** [LCH09, LTC06]. **home** [BNDN09]. **homeomorphism** [HJK09, SS09b, Wei09]. **homoclinic** [KW07]. **homogeneous** [Cao08, LS07a]. **Homogenization** [CJCD06, CJCD07, Dul08, FIR06, Las08]. **homomorphism** [HJK09, SS09b, Wei09]. **homotopy** [AHM08, FHM09, GS07a, Li09a, YXF07]. **homotopy-perturbation** [AHM08, GS07a]. **Honeycomb** [XY05, LCZ09]. **Hook** [Dun07]. **Hook-lengths** [Dun07]. **Hopf** [Yan06a]. **Hopfield** [FL09c, YSYX08, ZG09, ZW09b]. **horizontal** [GF08, LFS08, LFW09, WB09]. **Householder** [SEAA08]. **HPM** [GC09]. **HSS** [LHL11, GT09]. **huge** [BLR07]. **hull** [DL07b]. **Humbert** [AGRZ06]. **Hurwitz** [Cof08, Cof09a]. **Hybrid** [CD07a, Hsi09, LLM08, SS06b, TD06, AOSY05, BDL09, CY08c, CY08b, DVCH06, DDL09, EM09, FT08, Fra06, GDA07, GZLL09, KCLW08, KS07e, LZWQ09, NS09a, PDM08, Van07b, VT06, WT08, YW08, ZZ08a]. **Hybrid-Trefftz** [LLM08]. **hydro** [NT08]. **hydro-mechanical** [NT08]. **hydrodynamic** [HS06]. **hydrodynamics** [eMH05]. **hydrogenic** [DLROY05]. **hydrostatic** [BB08a]. **hydrothermal** [BGRS05, BGRS06, BSMT09]. **Hyers** [Par05c]. **hygro** [BM08b]. **hygro-thermal** [BM08b]. **Hyman** [GH09]. **hyper** [GST06]. **Hyperasymptotic** [PK06, Par07b, Par07a]. **Hyperasymptotics** [Daa09a]. **Hyperbolic** [ZL05, BUG07, CHY05, DG08, DZ09b, EMP08, GGD08, HK08, zLCgS06, LP07c, MCR08, PH09, TS08, WWC05, XCZ08, YA08, ZLZ09b]. **hypercube** [PVC06]. **Hypergeometric** [AGRZ05, BE06a, BE06b, CJ09b, DSMY06, DJ07b, Ell06, Ext99, FLS06, LL01, LV06, Mil06, Mil09, Par05b, RI06, RVK05, RAG07, RS05d, Rui05, SRD05, Sto05b, Swa06, Tur09, Vid05, ZYD07, Zud09]. **hypergeometric-type** [ZYD07]. **Hypergroups** [FLS05, Ass09a, Las09]. **Hyperinterpolation** [CDV07]. **hypersingular** [FG09]. **hyperterminants** [Daa09a].

I.V.P. [RVA07b]. **ideals** [Sau08]. **idempotent** [TS06b]. **identifiability** [Jai06]. **Identification** [BP05, FZ08, AS07, Gon06, LC08b, MDT09, TBL09, UHNC09, YOO07]. **identify** [YYF09]. **identifying** [CK05, DFY09]. **identities** [CJ07, GZ05, VK06]. **identity** [AGRZ06]. **IFC** [Ano05-33, Ano05-34, Ano05-35, Ano05-36, Ano05-37, Ano06-28, Ano06-29, Ano06-30, Ano06-31, Ano06-32, Ano06-33, Ano06-34, Ano06-35, Ano06-36, Ano06-37, Ano07-32, Ano07-33, Ano07-34, Ano07-35, Ano07-36, Ano07-37, Ano07-38, Ano07-39, Ano07-40, Ano08y, Ano08z, Ano08-27, Ano08-28, Ano08-29, Ano08-30, Ano08-31, Ano08-32, Ano08-33, Ano08-34, Ano08-35, Ano09z]. **II** [LW08b, PPR07, AMG07, BS05, Ber07, GA09, KG09, KSVW07, LWH09a, LTC06, Par08a, Ped09, Slo08, TR08, ZL05]. **III** [CKWZ07, Par07a]. **IIPG** [Dol08]. **ill** [BR07a, Cal07, Gon09b, HL08, LHW07, MRSZ06, MRSZ07, OTOR07, RS08b, WHL08, WH09a]. **ill-conditioned** [OTOR07]. **ill-posed** [BR07a, Cal07, LHW07, MRSZ06, MRSZ07, RS08b, WHL08, WH09a]. **ill-posedness** [HL08]. **ill-scaled** [Gon09b]. **ILU** [KT07b, RT09, RH06, VS08, Yun05a]. **Image** [BP06, DMM07, NQDJ06, AAPP07, AA08, BS09b, BJ07b, DESC07, Est07b, FL06b, GG09b, HT06, LM07a, LNL09, SRW09, TM08, Yi09, ZLdST09]. **images** [AAPP07, ABB+07d, TND+09]. **Imaging** [BKT07, BBM07, FIR06]. **imbedding** [CMM09]. **imbeddings** [Maz06]. **IMEX** [Kot08a, Kot08b, SSV06]. **immiscible** [OS09]. **immune** [RMKA05, Wod05]. **immunity** [Zin05]. **Immunological** [CPM+05, LRB05]. **Immunology** [BBG05, Zin05, ABB07e, BBF+05]. **Impact** [SZ07b, CSG05, DK06a]. **impact-induced** [DK06a]. **impedance** [BKT07]. **Implementation** [MSA09, WWZY09, HS08b, PT09b, SM07, SFFS08, SK09b, VAR06, WSST05]. **implementing** [AG09]. **Implicit** [AZGN06, ACQ09, Bno07b, BS09c, BB08a, BB09a, BMM06, BM07b, Chr09, Din05a, EMP08, FN09, Gug06, HL09b, HyLC06, KBA09, Kom08, yL08, MVVA06, MS07c, NSC07, PJ08, Qin09, RS05c, TYZ+05, Tem09, VVE08a, VVE08b, WH09a, rWlC06, ZWZ08, Zhu07]. **implicit-explicit** [ZWZ08]. **Imposing** [SK09a, WLL09]. **Improved** [AMV06, BW07b, Kaw07, hLyHZ08, MNG09, OS06b, PLMP08, Abd08, BIR09, GZLL09, LmY08, LWLL09, NS09b, RP09]. **Improvement** [SO05, ZHG+09]. **Improvements** [tLxLlW07, Yun08b, NT06]. **Improving** [EHR09, GWG08, GS09]. **impulse** [Kar09, Liu09d]. **impulses** [LLZY06, LS06b, LS07b, LZG+09, ZG09, ZW09b]. **Impulsive** [JL07a, LFW09, AAZ06, CS07d, CHY05, DC09b, FL08b, FL09c, FL09d, yL08, Li05b, LH05a, LF07a, LS07c, LTC06, LZ09d, MS08a, MD09a, NPTH09, SZ08a, SZ09b, TSC10, WPC08, YS07, YZL08, ZCS06, ZS05, ZLL08]. **imputation** [MR09, WWWF09]. **IMT** [Oou08]. **IMT-type** [Oou08]. **inclined** [EKEHR08]. **Inclusion** [Swa06, ABF+07, Di 07, Din05b, HC08, PM05, PIP07, TFC07]. **inclusions** [AU09, Din05a, DF08, FD09, HLH07, Hon08, Kaz06, KBA09, Kon07, PZ08]. **Incomplete** [Har08b, STB09, BDY09, Dun06, GSBB09, GM07c, KS07c, KSS07a, Par05a, Par08a, YH09a]. **incompressible** [Deu07, Deu09, ER09, GLOS05, GRW08, SY09, TY05, TY07b, Wat09, ZZL08]. **incorporating** [Kar06]. **increasing** [Eds09, HJK09, SS09b, Wei09]. **indefinite** [BR07b, Du07a, Gan08, HS07a, LvGJ06]. **independence** [GK08]. **independent** [AK09, CHS07, DA09, Nig07, ZGSF08]. **Indeterminate** [Chr05, BGVHN08, Ped09]. **Index** [Ano05g, Ano05h, Ano05i, Ano05j, Ano05k, Ano05l, Ano05m, Ano08k, Ano08l, Ano09a, Ano09b, Ano09c, Ano09d, Ano09e, Ano09f, Ano09g, Ano09h, Ano09i, Ano09j, Ano05b, Ano05a, Ano05c, Ano05d, Ano05e, Ano05f, Ano05-41, Ano06b, Ano06c, Ano06d, Ano06e, Ano06a, Ano06m, Ano06n, Ano06f, Ano06g, Ano06h, Ano06i, Ano06j, Ano06k, Ano06l, Ano06-38, Ano07a, Ano07b, Ano07c, Ano07d, Ano07e, Ano07f, Ano07g, Ano07h, Ano07i, Ano07j, Ano07k, Ano07l, Ano07m, Ano07n, Ano07-41, Ano08a, Ano08b, Ano08c, Ano08d, Ano08e, Ano08f, Ano08g, Ano08h, Ano08i, Ano08j, Cam08, CM07, CK09a, CV06, DL09a, Den09, DW05, EHR09, HY09b, LWH09a, LRH07, LN09]. **indicator** [HAS09b, KKLM06]. **indices** [WWW08]. **induced** [DK06a, DFHS08, FIR06, FN09]. **inducing** [Bra07a]. **industry** [FGRW09]. **Inequalities** [AA09a, Alz06, JS08, Bad08, BT06, Bno07a, Bno07b, CY08a, CAY09, Che09, CV05a, Fu08, GG07, He06a, HZW08, JM07b, LHM05, LmY08, LHL06, MC07, Ma08a, Maz06, MJ07, Noo05, QCK09a, XH08]. **Inequality** [Ple09, CLP08, Dai09, Gon06, Han08, bJQlZ07, lLpZ08, LH09, Liu05, MZW06, Qi07, QG08, Qi08, QGC08, Qi09, ZZ08b, Zhu05b, Zhu08c]. **inertial** [JKM07, Mai08a]. **Inexact** [Don09, AUY06, AML07, Arg09b, Bno07b, BS09b, CY08c, CL06a, LS08, WA08, Zhu06]. **infection**

[IOS07, IOO07, IV07, MSB05, Mer05, Zin05]. **infections** [Wod05]. **inference** [YYF09]. **Infinite** [BF08a, BS07, BeMBH06, CW08c, CW08b, FLMR07, FL09d, GLdS08, HL08, HeM05, LLL06, LWYT06, Luo08, MW09a, MS05b, QCKK09, RLX08, TR06, TSB09, TLQ08, VRSS08, Ver08, WW07, XWT09, YOA06, ZLL08]. **infinite-dimensional** [BS07]. **infinitely** [LP08]. **infinitesimal** [BS06]. **infinity** [Mor07]. **Influence** [BSMT09, Ham09]. **Information** [DLROY05, DSMY06, DOY08, GA09, GH06, SRD05, WWWF09]. **infrequent** [yCyZ08, yCyZ09]. **inhibitory** [LMZ08, Liu07]. **inhomogeneous** [CWMT07, Di 07, EGM07, LD06, SHK+08]. **initial** [AUY06, AOSY05, BP05, DWW06, GGG09, LS07b, Mar07a, PK09a, Pre08a, WZ08]. **initial-value** [AOSY05, DWW06, GGG09, Pre08a, WZ08]. **Initializers** [CLM06]. **injection** [BeMBH06]. **Inner** [PK07, AK09, RS05b, TG09]. **inner-outer** [AK09]. **inpainting** [DMM07]. **Input** [HL07c, Kho09]. **Input-to-state** [HL07c]. **inputs** [Kho09]. **inserting** [Won09b]. **instability** [BB08a, CB07, OOO+07, WZS06]. **instructions** [CGRGVP08]. **instrument** [GM06]. **insurance** [BBM09, DÖ09, VV09a]. **insurer** [BC09a]. **integer** [HM09a, MS05b, lSsZ05, ZF09]. **integrable** [LZZ09]. **Integral** [FT05, GPS08, WSZ09, AEBEK09, ABL07, BM08a, BS08a, BS09a, Bar09, BNP06, BF09, CRS05, CC06a, CC08, CMR06, CMV09, Car05a, CT09c, CD06, DM07b, DL08b, DL09a, DMGVP05, DFLV06, DL08c, Dio09, ELA09b, FJG08, FDFL07, FTT+05, GJ08, GKM07, GC09, Gon09a, GS08, HC09, HS07a, Hon08, Hsi09, HV06c, Jan09, JM07b, KS07c, KSS07a, Lan06, LL01, LHM05, LS09, pLT07, MJ09, MO07a, MB07a, MRV09, MS08b, MNMS05, PK06, PV09a, RS08a, RZ07, RA07, Sto05b, TRST09, Vol05, Xia07b, ZFG08, ZWY09]. **integral-functional** [Vol05]. **integrals** [BBC07, CJP08, EJ07, EJ08, GLS07, Gao05, Gao06, Gau05a, Gin05, Has09a, HCK07, Kál05, KAC05, KM09b, MS06a, Mon09, Scu09, Sin09, SK06, Xia07a, XW08, Par07b, Par07a]. **integrals-III** [Par07a]. **integrals-IV** [Par07b]. **integrands** [Gon09b, Has09a, HS07a]. **integrated** [DA06, MDT07]. **Integrating** [ADDdM05]. **Integration** [GH08, ADMM07, Arp07, BG07f, CE09, FG09, Gar07a, Gei08, HPS06, Ham09, HO09, Jay07, Koz08, Koz09, Kul09, LRH07, LLD09, Mon07, Pet07a, RTGB09, RVA07b, Rza09, Sid05, Sid08, Tay08, Zha07]. **integrations** [LH08a]. **integrator** [CVB07, GOT06, KHWF09, MBCV09]. **integrators** [CJB05, Cas07, Cas05, LG07, VRL07]. **integro** [AT09a, BS08a, CS07d, Gan07, HZBM06, Has06, yL08, PT06, PT08a, WSZ09, YS07, YCJ09, jia09b]. **integro-differential** [AT09a, BS08a, CS07d, HZBM06, Has06, yL08, PT06, PT08a, WSZ09, YS07, YCJ09, jia09b]. **intelligence** [PPV05]. **intelligent** [LZWQ09]. **interaction** [BC09a, Bla05, CC06b, HKM08, MD08, VDV08]. **Interactions** [Dem07a]. **interchanging** [dB05a]. **interconnected** [HGS06]. **interest** [FW09, LCYZ08]. **interesting** [HK08]. **interface** [ADF07, AK09, DHS09, FNW06, OS07b, OW06b, TL09, TV09b]. **interfaces** [LLL06, Soh05]. **Interior** [GSS07, BS09b, Cho08, ER07, Fan09, FKM05, GNP09, WB09, Wu07, YXF07, Zhu05a, Zhu05b, Zhu06, Zhu08a]. **interior-point** [FKM05, WB09]. **Interlacing** [BV06]. **internal** [SC07a, SBK07]. **Internalization** [LNW06]. **International** [PRZW08]. **interpolant** [Bar09]. **interpolants** [BRIP09, BISS05a, BISS05b, BSST08, DL08a,

Han09, LMS08a, MST05, PS08, PR07]. **interpolated** [XCZ08]. **interpolating** [Bou07b, DL05, DS09a, HKZ09, JH08b, KP08a, KM09c, MW09c, Rom09]. **Interpolation** [Bel06, Car07, ADD+08, ABET08, BRIP09, Bej06, CDV08, CG08b, CHW09, CHNZ08, DJ05, DH09, DK05, DZLL06, FL09a, Fin07, Fin08, Gás09, Gau08, GM07a, HYC05, HT06, HS08c, JAE09, KC07, KY06, LWC+06, LS06c, LP06b, LMS08b, MW09b, Mag09, MDT09, MJ08b, MT05, Müh06b, SH06, Sch08, WM09, WL06a, WZD09, XZS07, XC09, ZT06b, ZW06b, ZZ06c, dB05c, dB05b, dB05a]. **interpolatory** [BDGV05]. **interpretation** [Ber06b, ZLA07]. **interpretations** [He07]. **interproximation** [PJ06a]. **intersection** [GLdS08]. **Intertwining** [Xu05b]. **Interval** [Aue07, CKC+07, KMB09a, KLS+07, Mar07b, Wan07b, WML08, AV06, BCGA05a, FDC08, FPO05, FHL07, GVC+08, GBR09, Mar07a, May07, MC05a, PT08b, RKAH07, Sch07b, Sin08, VB05a, WY07, WYW08, YOA06]. **Interval-type** [CKC+07]. **intervals** [Boy09, DL08b, KKS+07, PV09a]. **intra** [YTM07]. **intra-guild** [YTM07]. **intracellular** [ZBB+05]. **intracellular-signaling** [ZBB+05]. **Introduction** [GPS09, ZFS09]. **intuitionistic** [MM09, SVC09]. **Invariance** [LV06, KS06]. **Invariant** [Sto06, MvdMV06, RD08]. **invariants** [Arp07]. **inventory** [Siv09]. **Inverse** [CM05a, KLV09, Yua09, BMfX07, BGP07, BW07a, CD05, CCM07, Cak07, CL06b, CHS06, CDMR07, DW05, FI07, FKL05, GPP07, HTS09, HM09a, KS07a, LDM09, LF07b, LHW08, Mat06, Mor07, MN07b, SCG08, SZD09, Smo06, TA09, WD05, XZZ09, YM08, YL09a, Yi09, YD09a, Zho06]. **inverses** [Car05a]. **inversion** [Cal07, CDM07a, ESAD05, KSE09, PS09b, RS05d, YH05, YWH05a, YWH05b, vdBHPS07]. **inverted** [Ata07]. **invertible** [Aki08].
inverting [CDM07b, OTOR07]. **investigation** [LKSC06, LM09a, RDH07, SBK07]. **investigations** [QW08]. **invex** [Ant08]. **invexity** [MPR07]. **inviscid** [TY07b]. **involving** [AHS08, Alz06, Ant09, BXC09, CJP08, CJ09b, Din05a, EE06, EJ08, Fin08, Hu05b, LLL06, LD06, VG09, WYS09, Xia07a]. **ion** [Dem07a]. **ion-acoustic** [Dem07a]. **IRKC** [SSV06]. **Irrationality** [CS09b]. **irreducible** [HYG08b]. **irregular** [BS08b, KW09]. **isolation** [LL07b]. **Isoparametric** [BCH06]. **Isospectrality** [JLNP06]. **isotropic** [TANT09]. **Issue** [BBG05, GD09, WS05, Ano05-33, Ano05-34, Ano05-35, Ano05-36, Ano05-37, Ano06-28, Ano06-29, Ano06-30, Ano06-31, Ano06-32, Ano06-33, Ano06-34, Ano06-35, Ano06-36, Ano06-37, Ano07-32, Ano07-33, Ano07-34, Ano07-35, Ano07-36, Ano07-37, Ano07-38, Ano07-39, Ano07-40, Ano08y, Ano08z, Ano08-27, Ano08-28, Ano08-29, Ano08-30, Ano08-31, Ano08-32, Ano08-33, Ano08-34, Ano08-35, Ano09z, BBF07, GPS09, VAW07, VK08]. **issues** [Gug06, SC06b]. **iterated** [CLN09, Dio09, HP07, PRGPS09]. **Iterates** [BS06, Bog05b]. **iteration** [AETE07a, AETE07b, Abb07a, Abb07b, AS05b, BS09c, DC08, DS08, ESAD05, GS07a, GJM07, GT09, HVV09a, He07, JC09, JK07, KMB09b, Lu07, LHL11, MP08b, Pet09a, SA07b, Swe07a, Swe07b, TD07, Tem09, TY07a, Waz07a, Waz07b, XHW07, YLS07]. **iterations** [EFS05, GPRB05, GPPRRB06, GPPRB07, MSE08, SC06b, Thi09, YL06]. **Iterative** [ABB+07d, CMT09, Dan06, DRV08, Gei08, HLH07, Kaz06, Kon07, MW07, MRSZ06, yPESlZ07, PRZW08, ZTY07, AT09b, AKK06, ABG06b, ABP06, ABGH08, ABBM09, AK09, ACQ09, BMfX07, BGP07, BRW09, BK06, Cal07, CMR06, CdVT07, CY08b, CAHAY09, CAY09, CL09a, CHS08, CQ09, Din05b,

DF08, EM08b, EHR09, FP08, GM09c, Hei05, HYG08a, JH08a, KBA09, Koç08a, Koç08b, KL09, tLxLlW07, MRSZ07, Ned08, NK10, NT06, QCK09a, Sha09a, SFPS09, yS05, THC08, Uje07, WHF07, WZ08, WtL09, WS09a, WWM07, WHZ09, XW08, Yao09, Yun08b, ZZ07, yZXL09, ZZ08b]. **IV** [Par07b]. **IVPs** [AHM08, Fra06, LW07, PS05].

J [AMO08, Asl10, ByXy06, yCyZ09, Dai11, GPPRB07, KYF05a, LC09b, LB10, LHL11, SZ09b, Sto05b, TGJ19, TSC10, Yun08b, ZJ12, vDvFZ13]. **Jackson** [Ple09]. **Jacobi** [AMV06, ADGR06, Cho05, CSZ09, Coj09, CS09b, EKL+07, FLS08, Hoc08, JM07a, LW06a, yPlH05, PV05, Qiu07, Sau07, Sch05, TS06a]. **Jacobian** [Car05a, HMT09, Śmi07]. **Jaulent** [GJM07]. **Java** [OOM+07]. **Jensen** [DC09a]. **Joint** [KKLM06]. **Jordan** [Wu08]. **July** [VGT09]. **jump** [HK07b, Kru05, LWS09, LP07c, Pok06, TGJ19]. **jump-diffusion** [HK07b, LWS09, TGJ19]. **jump-diffusions** [Pok06]. **jumps** [BMW08, BLP07].

Kantorovich [HSL08]. **Karlsson** [RS05d]. **Kármán** [CG06]. **Kawahara** [Asl10, Ass09b]. **KdV** [CX06, Dem07b, Waz07b, ZM09a]. **Keith** [WS05]. **Kepler** [Boy09]. **Kernel** [HM08, MS09a, vdBHPS07, BFGM06, CG07, EIM+09, GJ08, HV06c, LS07a, Mus09, SL05, WMN05, WN08, XHK+08, Zho08]. **Kernel-based** [vdBHPS07]. **kernels** [CCD09, PT06, PT08a, PV09a]. **Kershaw** [Qi07, QG08, Qi08, QGC08, Qi09]. **key** [SD06]. **kind** [AGRZ05, ADGR06, BM08a, BS09a, BF09, DK06a, DL08b, DZZT07, GJ08, Hsi09, pLT07, LTM08, MB07a, SWYZ09, Skr05, WPC08, ZLZ09a, ZL07]. **Kinetic** [CG05, BGG08, JSS07]. **Kirchhoff** [HGS08]. **Klein** [DS09b, Eba09, WCZ07]. **KM** [Mai08a]. **KM-type** [Mai08a]. **knots** [Rie06]. **knowledge** [WK07a]. **knowledge-based** [WK07a]. **Koch** [NSS06]. **Kolmogorov** [MDMRP09, DP05a, Wat09]. **Koornwinder** [vD05]. **Kopel** [GG08]. **Korteweg** [BBSV08, DA08, SWZ05]. **KP** [LWW08]. **Krawtchouk** [FLS08]. **Kronecker** [XDW05]. **Krylov** [BJSS06, DGR07, FLMR07, Mil05, Sea07, vdESvG05]. **Kummer** [BE06a, CZ08b, Par05b]. **Kummer-type** [CZ08b, Par05b]. **Kuramoto** [LT05, WG09]. **kurtosis** [QWW08]. **Kutta** [AMCM05, AMCM06, Van06a, Van07a, AM09a, AS05f, BJ07a, BJ08, BH07a, BH09, CGPM08, CFMR08, CFMR09, Cam08, HVV09a, Han07, HL07c, Jay07, KR07, Koi05, Kom07a, Kom07b, Kom08, Kot08a, Kot08b, LZ06, NSC07, RVA07a, RB08, SKAW09, Sun09, Toc05, TS05, VMMM09, Van05, Van06a, Ver06, WLS08, WHL08, Wan08a, YLN09]. **Kuznetsov** [Bat08, MNHA09].

L [Sto05b]. **L.** [Dom07]. **lacunary** [MM09]. **ladder** [ZYD07]. **Ladyzhenskaya** [Fai07]. **lag** [HMG06, LW07, SS05]. **Lagrange** [ABET08, BG07a, BNPR08, CDV08, CM07, CHNZ08, DJ05, GZX09, HYC05, LWC+06, MB06, XC09, ZW06b, ZH09]. **Lagrangian** [BXC09, BB09a, HPS06, Sta07, TJ08]. **Lagrangians** [JKM09]. **Laguerre** [ByXy06, ADÓ07, Ass09a, ByXy05a, ByXy05b, BR09, DLROY05, DC09a, DR09, DJ09, GW06b, MC05a, OS07a, PT09a, WGZ08]. **Lambert** [CS09b]. **Lamé** [OOO+07]. **laminar** [eMH08]. **laminated** [Civ07]. **lamination** [Dul08]. **Lanczos** [RP05, WL09a, YB05]. **Landau** [Cim08, Sto05b, Ban08, Lei08a, Lei08b, LLT07]. **Landau-type** [Lei08b]. **Landweber** [LHW07, WHL08, WH09a]. **Langevin** [CdVT07]. **Laplace** [CDM07a, CDMR07, CDM07b, FZ09, FI07, Kru05, Li07b, Par07b, Par07a, QFX06, Woj06]. **Laplace-type** [Par07b, Par07a]. **Laplacian** [BE07, Gal09, GJL08, He05, HWY09, Hem06, Hon07, Liu08a, LOA05a, LOA05b, LJ09, ML09, Rea07, SNV06, WSM+09, YH09b, ZFG08]. **Large** [ZFS09, BR07a, BY09, CC08, CXH09, Cho08, CMM09, Dmi08, FLS06, GKMS09, GM09c, Hsu05, Jon06, LT06a, PKS+09, SCY09, VL06, WZ07, WCL08, Wu07, XZ08, YH09a, ZJ12]. **large-deformation** [Dmi08]. **large-scale** [CXH09, GKMS09, PKS+09, VL06, XZ08, ZJ12]. **large-update** [Cho08]. **LaSalle** [Liu09a]. **laser** [CC06b, FIR06]. **laser-plasma** [CC06b]. **lasers** [KD05]. **Lattice** [DL07a, Ell06, HE06b, LZ05, ST05, Sin09, WHG07]. **lattices** [CK07, KV09a, LRH07, Mag09]. **Laudatum** [BE06d]. **Laurent** [CBGV05, CBDGVN07a, CBDGVN07b, DMGVP05, UHNC09]. **law** [AMG07, BIR09, GW08, Las08]. **laws** [Ben06, CD07a, JKM09, LZZ09, Mur07, TS08, ZL05]. **Lax** [Qiu07, WHG07]. **layer** [eMH08, CH09, LT06b, Vul07, YZ09b, ZKSS06]. **layer-resolving** [Vul07]. **layers** [CWMT07, SÁ08b, Zar09]. **LBB** [GLOS05]. **LBB-stable** [GLOS05]. **LBT** [DESC07, Est07b]. **leader** [CFGVP07]. **leaky** [Har08b]. **leap** [BD06]. **leap-frog** [BD06]. **Learning** [DC09c, AMV06, EL06, XC08, Zho08]. **Least** [DG08, DJ07a, BTI08, CR09, Cou09, DKHNZ08, DB08, GGD08, GRL09, HR05b, JZW08, JSS07, KA07, Log08, MJB09, MV05a, RKK07, RKK09, SV07a, TY05, WC07, WA08, XZL08, XF07, YH09a, ZH08, ZSWL09, ZLDW09]. **Least-squares** [DG08, DJ07a, CR09, Cou09, DB08, GRL09, KA07, RKK07, RKK09, TY05, XZL08, YH09a]. **Lee** [DD07]. **left** [EKL+07]. **left-definite** [EKL+07]. **Legendre** [EJ08, GW06b, HS06, Pré08b]. **LEM** [CVB07]. **length** [FR06, MS06b, SFV09, SLZ06]. **lengths** [Dun07]. **less** [MGS08]. **Lessons** [CPM+05]. **Letnikov** [GAR07b]. **letter** [Gau08]. **level** [BSV08, DMZ08, Gás09, KD05, lLpZ08, MS07c, XDW05, ZH09, CKWZ07]. **level-2** [XDW05]. **levels** [LLS09]. **Levenberg** [KYF05a, KYF05b, MW09a, Wat07, Zhu08a]. **Levin** [Xia07b, XW08]. **Levinson** [VMV07]. **Levinson-like** [VMV07]. **Lévy** [HR09b, RLH09, Sch06b, YW09a, ZLA07]. **Li** [Yun08b, Cof09b]. **Liao** [Bno07a]. **Lie** [BG07b, BeMBH06, CK07, EKEHR08, LLZ09, Röb08]. **Lie-group** [BeMBH06]. **Liénard** [LTM08, Liu08a, MLH08, ML09, SWYZ09, WSM+09, ZL07, ZSZ09, ZCZ08]. **Liénard-type** [MLH08]. **life** [BBM09, VV09a]. **lifetime** [LWH09a]. **Lifshitz** [Ban08, Cim08]. **lifting** [CHXL06]. **light** [THS05]. **light-limited** [THS05]. **like** [Arg09a, BDHW07, CX07, Dai09, Din05b, FD09, FTT+05, GR09, HR05b, Kaz06, KLO08, MP08a, Noo05, PG07, Pie09, SEAA08, Sch07b, VMV07, YH05, YWH05a, YWH05b, ZT06b, Zud05]. **likelihood** [FvZ06]. **Limit** [Cao08, Sch08, ADD+08, AGMMB05, DL09b, GGT07]. **limited** [Fer07, THS05, VL06, Wri08, XZ08]. **limited-memory** [VL06]. **Limiting** [JR08, Lei08a]. **limits** [CJCD07]. **line** [BGVHN05, CMV09, DEMR08, bJQlZ07, Kam07, LZ08b, LZW09, hLyHZ08, OYA07, Pet08, QZY09, SS09c, SS06a, TJ08, XSW09, XSP09, YP08, ZM09a]. **line-search** [DEMR08]. **Linear** [LWLL09, RAG07, AUY06, AT07, AAZ06, AKK06, AMCM05, AK07, ASL07, BR07a, BW06, Bar09, BF05, BBR05, BM06, BY09, BJSS06, BdAR08, BW07a, BCP07, BKT07, BW07b, Cal07, CJCD07, CLP08, CJB06, CMST06, CHW09, CHS08, Cho08, CCLS06, DaC05, Daa09b, DG08, DW05, Don09, DJ09, EM06, EIM+09, EMMP07, FLMR07, FJT07, FS07, FL06c, FG07, GMM09, GKM07, GRW08, GHZ06, GHT06, GM09c, GT09, GQ09a, GNP09, HL08, HTS09, HNS09, Hei05, HS08b, HM08, HLL08a, Jan09, bJyKyZmT09, JD05, JH08a, KGA08, KT07a, Koh08, Koi05, KMB09b, Li05c, Li05d, LmZbL07, LW07, LM09b, LHR09, LHL11, MJ08b, MSE08, Moh05, MS07c, MLOP06, MRSZ07, MN07b, NS09a, NKA09, OOM+07, PKS+09, PN06, PP05, PK07, RB08, Roe08, RKK09, RO07, Sak05, SS09a, Sch07a, Sch07b, SAD07]. **linear** [SFFS08, SV07a, SZ08b, SZ07a, SSZ09, Sta07, SF06, Swe07a, TRST09, Ter05, THC08, Var07, WCH05, WHF07, WLS09, WCW09, WB09, WD05, WWM07, XDW05, XZS07, XW05, Yan06d, YA08, ZW06a, ZW08, yZXL09, ZGH09, ZM09b, ZSWL09, Zhu05b]. **linearised** [Ehr06]. **linearization** [CS07c, OS07a]. **Linearized** [Har05]. **Linearly** [ZW08, CGP09, PJ08]. **Lines** [WS05, Bra07b, CG08b, Cas05, HKB+05, HEOS05, Mil05, SWZ05, WSST05, rWlC06]. **linked** [VV09a]. **linking** [DVCH06]. **Liouville** [Abb07a, AGM06, ABI07, BV06, BBB07, BSS08, CKWZ07, Cha07, Cha08, CW08d, FPP05b, FPP08a, FPP08b, GGM06, Liu08b, MJ08a, Sim07b, SO05, WWW08, Won05, Yüc06]. **Liouvillian** [ADDdM05]. **Lipschitz** [Bel06, CL06a, Liu07, MYY07]. **Lipschitzian** [NS09c]. **liquid** [WT07]. **little** [CS09b, OS07a, PV05, Sza05b]. **Littlewood** [Gau05b]. **Liu** [MK05, Zha09b]. **Living** [Gia06]. **LLL** [HE06b]. **LLL-spectral** [HE06b]. **LM** [ZL09b]. **LMI** [MLOP06, YJY06]. **LMS** [VLR08]. **load** [DP08b, WCL08]. **Lobatto** [CEF08, JR07, JB09]. **Local** [LS08, LY05b, Qui07, Wri08, YOY07, ZCZ08, ABR07, BMfX07, BGG07, CJB06, DMM07, DL05, DL08a, Dao08, Di 07, EZ07, Han05, Han06, Jay07, JC09, Ko07, KYF05a, KYF05b, KCLW08, LH08a, MN07a, RW06, SZ09a, VVE08b, Zhu08a]. **localization** [BMC09]. **localized** [Fer07]. **Locally** [Rie06, Osa07]. **Locating** [BCK07]. **location** [TFC07, YJGL07]. **locking** [Tac07]. **Log** [GZX09, ZLLW08]. **Log-det** [ZLLW08]. **Log-Sigmoid** [GZX09].

Logarithmic [Ped09, HS07a, KS07c, MOC09]. **logarithmically** [GQ09b, Qi07, QG08, Qi09]. **logarithms** [Gau08, Zud07]. **logistic** [MPP09]. **Logistics** [YJGL07, NSK09]. **lognormals** [VCD+08]. **Long** [SF06, Ben06, CP09b, LLT07]. **Long-time** [SF06, CP09b, LLT07]. **longevity** [Den09]. **look** [GM09c]. **look-ahead** [GM09c]. **Lorentzian** [MP08a]. **Lorentzian-like** [MP08a]. **Lorenz** [NaLH07]. **loss** [HO09, MvdMV06]. **losses** [RR06]. **lossy** [VT06]. **Lotka** [TSC10, Ko07, LC09a, LJM09, LOZ08, LL07b, NPTH09, PI06, Won09a, XWT09, YC06]. **Low** [DFZ07, WS08, BGJ07, CS09a, GGP09, HKB+05, JF06, KM06, PC05, RDH07, VVE08b]. **low-density** [HKB+05]. **low-dimensional** [KM06]. **low-discrepancy** [PC05]. **low-frequency** [RDH07]. **lower** [COEV05, Har06, HYG08b, LOA05b, LW06c, LLC08, xMzY09, Qi08, Shi07, WYS09, YOA06, YG09a, ZCL06]. **lowering** [CC05]. **lowest** [Hem06]. **LULU** [CdWJ06]. **lumping** [LSW09]. **Lur'e** [HWSL05]. **Luswili** [Sto05b]. **Lyapunov** [SG05]. **lying** [COEV05]. **lymphocyte** [Meh05, ZBB+05]. **Lyskova** [dMFPP09].

M [AA09b, ÉT08, WWP09, WK07b]. **M/** [WK07b]. **M/G/1** [AA09b, ÉT08, WWP09]. **MAC** [FLPA09]. **Macdonald** [FS08]. **Mach** [NVD08, VVE08b]. **Mach-uniform** [NVD08]. **machine** [EL06, WCY09]. **machines** [TMOG07]. **Maclaurin** [Ber06b]. **magnet** [WZH06]. **magnetic** [ACV05, CHSW08, ICW+09, IV06, KM06, Ma06, Sch06a, SV07a, VV05a]. **magnetized** [LmLgF09]. **magneto** [eMH08, HeM05]. **magneto-elastico-viscous** [HeM05]. **magneto-forced-unsteady** [eMH08]. **magnetoencephalography** [FP08, Suz05]. **magnetohydrodynamic**

[BTS07, NTS06, QW06, TSB09]. **magnetohydrodynamics** [MDB06]. **magnetostatic** [DRV08]. **magnetostriction** [Ban08]. **Magnus** [DS06, GOT06, Lu05]. **Magnus-type** [GOT06]. **Main** [GA09]. **Main-mass** [GA09]. **making** [KGW09, RM07, WY07, WYW08, WLL09]. **management** [AVMVMV08, IOS07, Lan08a, Mar08, WCY09]. **Managing** [MGMTO06]. **manifold** [TM08]. **manifolds** [JLR06, LS07a, Lop07b]. **Mann** [MP08b]. **Mann-type** [MP08b]. **many** [JG09, KTM09, LZ08a, LZ08b, LZ09b, LZ09c]. **map** [HL07b, Jai06, SFFS08, SFPS09, TMOG07]. **mapping** [And08, BDHW07, CHV+08, LH09, Pet08, SNV06]. **mappings** [And09a, ACQ09, BS09c, CAHAY09, CQ09, DT06a, Dai09, Din05a, HyLC06, Kaz06, KBA09, KL08b, Kon07, KLV09, NS09c, Par05c, PK09b, QCK09a, QCKK09, Tem09, Thi09, ZTY07, ZL09a]. **Marchenko** [CCLS06]. **Marder** [WWZY09]. **Marguerre** [CG06]. **Marker** [Lew06, NSK07]. **marker-particle** [NSK07]. **Markov** [BS06, EMP08, GEK09, Kag09, KR08]. **Markov-modulated** [GEK09]. **Markovian** [LkLkP09, MYY05, MYY07, PPG07, YG06, ZW09c]. **Marquardt** [KYF05a, KYF05b, MW09a, Wat07, Zhu08a]. **Maruyama** [MYY07, Mao07, PDM08]. **mask** [LP08]. **Mass** [BGGC07, EZ06, GA09, GKMS09, HHZ07]. **mass-spring** [HHZ07]. **masses** [Won09b]. **massively** [MBCV09]. **master** [Eng09, HBS+07]. **matched** [ZKSS06]. **matches** [MW08]. **matching** [NGS05]. **materials** [DK06a, LN07b, MPXK06]. **Math** [AMO08, Asl10, ByXy06, yCyZ09, Dai11, GPPRB07, KYF05a, LC09b, LB10, LHL11, SZ09b, TGJ19, TSC10, Yun08b, ZJ12, vDvFZ13]. **Mathematical** [AVMVMV08, GDM08, KS07f, NSK09, Wod05, ABB07e, Ant08, CPM+05, IOO07, Kro06a, WWP+08, ZMAZ09]. **Mathematics** [BBG05, Gia06, Lig09, CWMT07, Art09]. **MATLAB** [GS07b, Sha08, WSST05, BCH06, Gau05c]. **matrices** [ÅMK06, ÁNPQ05, AB09a, BS08a, BJS08, BGGC07, CL06c, CHS08, CSZ09, Coj09, CK05, DHM07, DV08a, DV08b, Du07a, Duf09, EST07a, Gem05, GLV05, HM09a, HR05c, HYG08b, JM07a, tLxLlW07, LHL06, LF07b, LF08, LC09b, LvGJ06, MLL09, MVVV06, Mor07, NL05, NT06, OTOR07, yPlH05, RT08, RT09, RH06, Sim07a, Smo06, SS07, TV07, TS06b, THC08, TA09, TM09, VVV08, VMV07, WHF07, WtL09, Wan09b, WS09a, XW07a, XZL08, YH05, YWH05a, YWH05b, Yi09, YD09b, Yua09, Yun08b, yZXL09, ZM09b, Zho06, dF07]. **Matrix** [KS07b, KN06, AEBEK09, AH07, BM08a, BG07d, CJP08, CW08d, DSW08, DH09, DIKZ07, DS05a, Deu07, DL09c, DG05, DI06, FKL05, GH08, GHZ06, HYYF05, HYG08a, HV06c, Iva06, KM06, Kil07, KA07, Koh08, KW09, KV05, Lai09b, LLZ08, LSW09, LGYH09, LM09b, hLyHZ08, Lop07b, Mar07c, yPESlZ07, yPyHZ07, PS09b, RS05d, SHC08, TG09, Toy07, VG09, Wu08, WWD09, YD08, Yun05b, Yun08a, ZHG+09, ZLDW09]. **matrix-splitting** [HYYF05]. **matrix-valued** [FKL05]. **max** [LXX08, fLxXT08]. **max-bisection** [fLxXT08]. **max-cut** [LXX08]. **maximal** [BC08, BDGV09, BGG07, CY08c, Din05a]. **maximization** [DS05a]. **Maximum** [FvZ06, KL08a, HKV09, KK06, SV07b]. **Maxwell** [AFT+07, BHP07, Cim08, DFLP08, GZL07, GSS07, Ham09, Li06a, LN07b, Ma06, SHB05, SZ08b]. **MBFGS** [LYW08, ZZ09c]. **McKendrick** [PI06]. **MDO** [FGB07]. **meal** [BNDN09]. **Mean** [Hua08, LS06a, RB08, Sic08, Toc05, YZL08, BB05, BH09, Bra07a, CT09a, Luo07]. **Mean-semivariance** [Hua08].

Mean-square [LS06a, RB08, Sic08, Toc05, BH09]. **means** [ABÇ06, CV05a, CDL05, CD07b, IO06, Lóp07a, MPZ09, MNMS05]. **measure** [DS07b, EMP08, NL05]. **measurement** [CL06b]. **measurements** [Di 07, FZ09, ZS05]. **measures** [AS09a, CE09, CT09b, DLROY05, EST07a, GD09, LZ09d, MH08, VCD⁺08]. **Measuring** [HG09, WY07]. **Mechanical** [pLT07, AHM09, NT08]. **mechanics** [ABÇ06, SRP08, Tsa09]. **mechanism** [VJ09]. **mechanisms** [TF07]. **media** [CMX09, Cui07, DCZ07, EGM07, FS07, GS07a, Li06a, MP06a, Sea07, Sha05, SY09, WG06]. **median** [AA09a]. **mediated** [BCeAJ09]. **medium** [eMH06b, EKEHR08, VT06]. **MEG** [FP08]. **Meixner** [AGMMB05, FLS08]. **Mellin** [Lóp07a]. **membrane** [KS05b]. **memory** [BDL09, BF08b, Den07b, SC07b, VL06, XZ08]. **MEMS** [FGRW09]. **Menten** [JSS07]. **merit** [CGP09, LRH07]. **Merton** [May08]. **Mesh** [AK09, AG06, AFT⁺06, AKW05, BISS05a, BKB06, CM05b, CMST06, CGPS08, DB08, DVCH06, DW06b, FLPA09, KGA08, MJ09, MJX09, Moh05, RO05, SÁ08b, TTZ06, Vul07, ZX06]. **mesh-free** [AFT⁺06]. **meshes** [AT09b, BFGP08, BHP07, DCF06, Gar07a, GWG08, HKV09, Koz09, LX06, LN07b, RB06, TS06a, ZC08b]. **meshfree** [Kro06b, uIHA09]. **Meshless** [PSV08, YXYJ06, AFT⁺07, DT06b, Gás09, HS08a]. **meta** [BLR07, Meh05]. **meta-dynamics** [BLR07]. **meta-population** [Meh05]. **metaheuristic** [fLxXT08]. **metal** [CH09]. **metallic** [dCDND06]. **metamaterials** [Li07a, OMC08]. **metapopulation** [SZ07b]. **metastable** [OW06b]. **meteorological** [KKS⁺07]. **Method** [HEOS05, WS05, AETE07b, Abb07a, Abb07b, AT09a, eMH05, eMH06a, eMH06b, AYK09, AS05b, Abd08, AEBEK09, AHM08, ABG06a, AOSY05, Ahm07, AHC05, AABL08, Alh06, ABG06b, ABB⁺07c, ABGH08, AB07, AB05, AML07, AS05f, ABS07, AK09, ABP08, ACWL07, Arg07, ACV05, Asl10, Ass09b, AT09d, ADDdM05, BM08a, BNT08, BSST08, BG07a, BH07a, BH09, BSC07b, BJS08, BDHW07, BUG07, BLT09, Ber06a, BR07b, Bi08a, Bno07a, Bno07b, BFGM06, BJ06, BS09b, BIR09, BK09b, Bou07a, BFP09, BMC09, BeMBH06, BG07d, Boy09, Bra07b, BCP07, BK08, BH07c, Cao08, CC06a, CMR06, CMV09, CR09, Cas05, CJ09a, CHXL06, CHM06, CP08a, CP08b, CWW08, CLQ09, CLA09, CHS08, CL09b, CU09a, CU09b, CQ09, CEJ09, CJ07, Chu08, CN08, Cui07, CDMR07, CDM07b, DSI06, DWW06, DC08, DSC09, Dai11, Dan06]. **method** [DP05a, Dao07, DM07b, DB08, DL09a, De 08, DG08, DS08, DH09, DVCH06, dCDND06, DO06, DAE05, Dol08, Dom09, DJ07a, Dor09, DS05b, DT06b, DMZ08, Dub09, Eba09, EGO06, EGFO09, EEGG08, EM08c, EPP⁺09, EH06, FHH08, FH09a, FHM09, FLPA09, FFSS09, FL08a, FKM05, Fu08, GH09, GAC⁺08, Gal06, GGD08, GJM07, Gan08, GPP07, GMM09, GG07, GC09, GK09, GH08, GO05, Gon07, GL06, GS09, GM09c, GSS07, GZLL09, GZX09, GG09b, GW06b, HKB⁺05, HCL08a, Han08, HTS09, HC09, Has06, HLF09, HYYF05, HH07a, He07, HMPR07, HK08, Hei05, HH07b, HeM05, HR05a, HS08b, HS06, HO07, HO06, Hoc08, HVV09b, HQ06, Hos06, Hos09, HM08, Hsi09, Hsu05, Hu05b, HLL08a, HYG08a, HGS08, HMT09, HKM08, IO06, Jan08, Jan09, bJyKyZmT09, JW08b, JH08a, JYX07, KGA08]. **method** [KKW06, Kaw07, KRA08, KTH08, KKLY06, KK09c, KW09, KW07, KSE09, KLW07a, KLW07b, Kou08, Koy07, Koy09, KS07e, Kro06b, KKD06, KM09c, KLV09, yL08, Lar08, Lew06, Li05d, LY05a, LWYT06, Li07b, LCH07, tLxLlW07, LHW07, LW07, LmY08, LH08a, xLLhZ08, LLZ08, lLpZ08,

Li09a, LS09, LZ09a, Li09c, LY09, LZLH07, LX06, LDM09, LWLL09, LH07b, LC09b, LYB09, LYT07, Log08, LN07b, hLyHZ08, Lu07, LC08c, LHW08, Ma06, MC08, MW09b, MJ09, MW09a, MJX09, xMzY09, MDP08, MDT07, MMM08, MV08, MNG09, MS09a, MNP08, MYY05, MCR08, Mar09, MT05, Mat08, Mil05, MN07a, MZW06, MLY07, MD09b, MO08, MRSZ07, Mot06, MNMS05, MS09c, MA09, NTS06, NKM08, NKA09, NSK07, NSS07, NB06, NMMS05, NMM07, Oga06, OA06, OS09, OTOR07, OS06a, OMC08, OZL09, OOM^{+}07, PS09a, PT09a, PG07, PKS^{+}09, PT06, PT08a]. **method** [PRGPS09, Pet09b, PJ06b, Pre08a, Pre09, Pul09, QW06, QFX06, QWS09, QZZ08, QZY09, RT08, RVA07a, RZ07, RD08, Rea07, RW09, RA07, Sak09, SA09, SST09, SS09c, SWZ05, Sav09, SHK^{+}08, Sea07, SAD07, lSsZ05, SaLJ08, SJ09, SS06a, SG08, SZD09, uIHA09, SK09a, Śmi07, SZ07a, SSZ09, SA07b, SM09, Sto05a, SP09b, yS05, SY09, Svá08a, Svá08b, Swe07a, Swe07b, TRS07, TTZ06, TS06a, TJ08, TRST09, TD07, TG07, TY07a, THC08, TK07, TA09, Toy07, TY05, TY07b, TV09b, Uje07, UFG09, VVV08, VDV08, VVE08b, VAN06b, Vin09, WK08, WT07, WCH05, WFL07, WHF07, Wan07c, Wan07a, WG08, WGZ08, WHL08, WYL08, WFW09, WZ09a, WH09a, WWWF09, WYL09a, WtL09, WCY09, WL09a, Wat07, Waz07a, Waz07b, WL09b, Woj06, WO08, Won09a, WSST05, WLK06, WKL06, WeR07, WTZ08]. **method** [WWZY09, WHZ09, XKF06, XW08, XZS07, XSW09, XZZ09, XWZH08, XZL08, XF07, Xio07, XHW07, XSP09, YA07, YOO07, YZ09a, YY07a, YLC09, YG09a, Yao09, YG09b, YH09a, YXF07, Yua08, YLW09a, YLW09b, Yüc06, Yun08a, Yun08b, Zar09, Zha05, ZZ06a, ZCL06, ZZZ08, ZhL08, ZJW08, ZHG^{+}09, ZXZ09, ZLZ09a, Zha09b, ZM09a, ZLL09, ZGH09, ZZ09a, ZDC07, ZBL08, ZH08, ZZ09c, ZW09d, ZYLY09, Zho09a, Zhu08a, ZF09, ZA09, ZH09, Zhu07, ZKSS06, dS07a, NK10]. **Methods** [May08, AUY06, AT07, AM09a, AG06, AZGN06, AMCM05, AMCM06, AR09b, ABP06, ABB^{+}07d, ADLT09, ASL07, AR09c, Arg09a, Arg09b, AKW05, AB09b, Bad08, BR07a, BW06, BN08b, BJ07a, BJ08, BDL09, BY09, BRW09, BGP09, BJ07b, BNPR08, BJSS06, BMM06, BM07b, BW07b, Cal07, CLM06, CFMR08, CFMR09, Cam08, CCD09, CGRGVP08, CAY09, CL06a, CL09a, CLN09, CT09c, CYB09, CHJZ09, CXH09, CCK06, CX08, CD06, CMT09, DT06a, DKHNZ08, DMS05, DGR07, DK06b, DFLV06, DL08c, Dio09, DFLP08, Don09, DBG07, DBR08, Eds09, ED06, ER07, ER09, Eps09, FT08, FLMR07, FJT07, FL06b, FNW06, FR06, FN09, FZL07, Fra05, Fra06, GG09a, Gan07, GS07a, GZL07, Gar09, Gás09, Gei08, Gei09, GPPRRB06, GPPRB07, GT09, GQ09a, Guo06, HL07a, HLH07, HR05b, Hom05, Hom09]. **methods** [How09a, HL07c, IT07, Ish07, JL06a, JZK09, JKM07, Jay07, JD05, JC09, JR08, KYF05a, KYF05b, KVK08, Kil07, KS09, KR07, Koç08a, Koi05, Kom07a, Kom07b, Kom08, KA06, Kot08b, Koz08, Koz09, KMB09b, Kul09, KL09, LN07a, Lai09b, LVV05, LR09, Li06a, Li07a, LTW07, LS08, LZ06, pLT07, Lop07b, LNL09, LP06a, LHL11, Mar07a, Mar07b, MVVA06, Moh05, Moi05, MRSZ06, MR09, Ned08, NSC07, NST08, Nov08, OMV09, Osa06, Osa07, Osa08, PS07a, PPV05, PI06, PT09b, yPESlZ07, PM05, PIP07, PPR07, PLMP08, PJ08, Qin09, RVA05, RVA07b, RS08a, RB08, RS05c, Roi07, RKK07, RKK09, SS05, Sch07b, SX09, SG09, Sic08, SW06b, SS06b, Sta07, Tem07, Toc05, TS05, Tsi06, UO09, VRBF07, Van05, Van06a, Van07a, Van07b, Van09, VV07, VLR08, Ver06]. **methods** [Ver05, VAR06, VL06, VK08, WG06, WLY05, WCZ07, WLS08, Wan08a, WLS09, WS09a, WSPJ09, WWM07, WYL09b, WH09b, Xia07b, Xu07a,

YOY07, YLN09, YXJG08, YJJ09, YH09a, Yu06, YH09b, YKS09, Yun05a, ZP06, ZT06a, ZZ08a, yZXL09, ZLZ09b, ZJ12, ZM09b, Zho08, ZSWL09, ZC08b, jia09b, vdBHPS07, vdESvG05, PRZW08]. **metric** [SVC09, VL06]. **metrology** [SD06]. **MFS** [KS07b, SK09b]. **MHD** [EKEHR08, HAS08]. **MIC** [MK09]. **Micchelli** [Yan05]. **Michaelis** [JSS07]. **micro** [KD05]. **micro-sphere** [KD05]. **microbial** [Liu09c]. **microlithography** [BRVWM07]. **Micromagnetic** [WZH06]. **micromagnetism** [Cim09]. **microreactor** [KPAT07]. **microscale** [Har08a]. **microscopic** [MMM08]. **microwave** [VT06]. **mid** [Cim09]. **mid-point** [Cim09]. **migration** [SLN06]. **mild** [EH06]. **mildly** [GM07b]. **Miller** [WS05]. **Milstein** [HMG06]. **MIMD** [Saa06]. **Mindlin** [XKF06]. **Minimal** [BFGP08, CK06, EFP06, KSS07b, SS05, TS05]. **minimally** [BISS05b]. **minimax** [Jay08, bJQlZ07, LW08c, MPR07]. **minimisation** [dS07a]. **Minimization** [Lan08b, Lan08a, MYY06, DFZ07, XSW09, ZZ09c]. **minimizer** [Lei08b, lSsZ05]. **minimizers** [Lei08a]. **Minimizing** [BRIP09, PVC06, GEK09]. **minimum** [Alo07, CCW+09, Den07a, WLL09]. **Minkowski** [FH07]. **minmax** [AHS08]. **Minton** [RS05d]. **Minton-type** [RS05d]. **Miodek** [GJM07]. **miscible** [Cui07, Cui08, SY09]. **missing** [DMM07, MR09, WWWF09]. **MITC** [XKF06]. **Mixed** [FL09b, RS08a, WGZ08, ALR05, BG07a, Bi08a, Bno07b, BNPR08, BFP09, CMX09, CD05, CY09, CY08b, CJ09a, CL08, CHS08, CN08, Cui07, Dai09, DRV08, Deu07, Din05a, Din05b, DF08, GMM09, GDA07, Ham09, How09b, HyLC06, JLNP06, KK06, yL08, Li07a, LWMT07, LD06, MMM08, MP06a, Rea07, RKK07, SY09, Sur05, XH08, XW07a, YXJG08]. **Mixed-type** [FL09b, CHS08]. **mixing** [Lin09a]. **mKdV** [ZLYW09]. **Möbius** [dB05b]. **mode** [SA09]. **Model** [HNS09, WWWF09, WL09b, AR09a, AG09, AT09d, BCeAJ09, BLR07, BBF+05, BK09a, BM08b, BC09a, BB09a, BG07c, BGG08, BNP07, CMX09, CLGG09, CK09b, Che05, CXS06, CLCL07, CC06b, DD07, DWY09, DL07a, ET06, Fai07, FIR06, FW09, GY08, GSBB09, GG08, HG09, HSN09, HKS07, Hu05a, HGS06, HL09c, IV06, JRM09, JL07a, Joh05, JSS07, KD05, KS07a, Ko07, Kho09, KS09, KN06, LH05a, LF07a, LD08, LC09a, LFW09, LCH09, LBS09, LTC06, LZZD09, LL06, MG08, MK05, NPTH09, QW08, QZZ08, RW06, RR06, SS09c, SM07, Sen07, SP06b, SMT07, SZ07b, TCMS06, TL09, Thi05, TSC10, TD06, VDV08, WZ06, WJS+09, XC08, XZL08, XGM09, YTM07, Yan06a, YZ09b, YH07, YY08, Yua08, YD09a, ZWZ08, ZLY09, ZZZ09, ZZ09b, ZL09b]. **model-moving** [MG08]. **Modeling** [ABD+05, LLS09, LP07c, Meh05, TK07, ZBB+05, AVMVMV08, Aue07, BRVWM07, CPM+05, GDM08, MD08, RMKA05, rWlC06]. **Modelling** [Kar06, MSTT08, WW09, ABB07e, BBPR09, FDFL07, KPAT07, MSB05, McC05, NL05]. **Models** [Ver05, AKL05, BB08a, BB08b, CB07, DK06b, Eps09, FPS08, GR09, Guo06, Hua07, Hua08, HO09, IV07, JVVvdZ06, Jay07, Joh05, KOS07, KS07f, LSTS06, LCYZ08, LL07a, LRB05, MMFMG07, MBCV09, May08, MPP09, Men09, NGS05, RB06, Sch06b, WK07a, WC08, Wil07, Wod05, YC05, ZMAZ09]. **modes** [XZS07]. **modification** [JYX07, Zha05]. **modifications** [Chu08, FH09a, HCL08a, KLW07a]. **Modified** [And09a, GW06b, GN09, HMT09, KK09a, NB06, QWS09, SLMW06, XZ08, AETE07a, AETE07b, And08, AR09c, BSC07b, FHM09, GXgL05, GS09, GNS06, HMG06, Koy09, Kru05, Li06b, LN09, fLxXT08, LYB09, Par08b, Pré08b, QFX06, WHL08, Wu07, WWZY09, WHZ09, YOY07, YLSX06, ZZZ08, ZM09b]. **modulated** [GEK09]. **modules** [FKL05, Par05c]. **Molcanov** [BBB07]. **molecular** [Li09b]. **Moment** [GA09, Ber07, BGVHN08, Chr05, EST07a, FSL09, Ism05a, MPP07, PDM08, Ped09, RW09, Sch06a, SV09]. **moment-corrected** [MPP07]. **moments** [DJ06, KM09b, LWH09b, Pré08b, SP09a]. **Mond** [LTY08]. **monic** [KMJ06, Pet07b]. **monitoring** [CM08]. **monodomain** [HRGD08]. **Monotone** [Bog05b, yL08, WZ08, Bog05a, CY08c, CS07c, CL09a, Din05a, FD09, Fu08, HyLC06, bJQlZ07, KA06, PK09b, Wan07c, YG09a, ZZ06a]. **monotonic** [CRS05, GQ09b, Qi07, QG08, Qi09]. **Monotonicity** [DR09, FO05, PJ06a, Waa05, AD09, CHW09]. **Monotonicity-preserving** [PJ06a]. **monotony** [KS05a]. **Monte** [HSN09, Lai09b]. **Moore** [TA09]. **Morgenstern** [GK08]. **Morley** [HGS08]. **morphogen** [LNW06]. **Morrey** [BGG07]. **Morrey-type** [BGG07]. **Morrison** [EM06]. **mortality** [DD07]. **mortar** [DHS09]. **MOSFETs** [LY05a]. **motion** [AMO07, AMO08, DMM07, FW09, JKK06, NP08]. **Moving** [LX06, Alh06, AG05, BBSV08, Kas06, Koz09, MJX09, MG08, Mil05, TTZ06]. **MR2333703** [Yun08b]. **MRLW** [KRA08]. **MSOR** [MYY06]. **Multi** [AG09, yCyZ08, yCyZ09, Gás09, JRM09, LÅH08, SS09a, Zad09, BW07b, DT06a, DLG05, FJT07, FC09, GJL08, HTS09, HW08, HO09, Jia09a, KMB09a, Kon07, LLS09, LZW09, zLCgS06, MD09a, Ned08, NST08, NM06, PLMP08, RB08, SyS08, SL09, Sic08, WF09, YZ09b, ZAVS09, ZZ09b]. **multi-asset** [NST08]. **multi-degree** [HW08]. **Multi-dimensional** [LÅH08, HTS09, zLCgS06, PLMP08, RB08]. **multi-elliptic** [Gás09]. **multi-factor** [HO09]. **multi-gases** [SL09]. **multi-layer** [YZ09b]. **Multi-level** [Gás09]. **Multi-objective** [JRM09, Zad09]. **multi-pantograph** [SyS08]. **multi-period** [LLS09, ZZ09b]. **multi-point** [DLG05, GJL08, Jia09a, LZW09, MD09a, Ned08]. **multi-points** [NM06]. **multi-response** [ZAVS09]. **Multi-scale** [yCyZ08, yCyZ09]. **multi-section** [KMB09a]. **multi-species** [WF09]. **Multi-stage** [AG09]. **multi-step** [BW07b, DT06a, FJT07, Sic08]. **Multi-synchronization** [SS09a]. **multi-term** [FC09]. **multi-valued** [Kon07]. **multiband** [NQDJ06]. **multibit** [TND+09]. **multibody** [Aue07, BBD06, Dmi08]. **multicommodity** [KCK09]. **Multiderivative** [SS05]. **Multidimensional** [MMS+09, CZ08a, DD08, MSTT08, PW08]. **multidomain** [GW06b, JKM07]. **Multifilters** [CLS08]. **multifunctions** [CY08a]. **Multigrid** [KDH08, MA09, Sea07, Bor07, BSKS07, CCCH09, De 08, VN09, XZS07, WT07]. **multigrid-FEM** [WT07]. **multilevel** [MS09c]. **multimedia** [CGRGVP08]. **multiobjective** [Ant09, JK09, UFG09]. **Multiple** [CHSW08, GJL08, Hon08, Lan06, MD09a, PV05, Won05, BJSS06, BKT07, CJP08, CSG05, CMRS06, CV05b, DESC07, Eig07, Est07b, GK09, GQ09a, HWSL05, Hom09, LZW09, MLH08, MS06a, Röb08, Tan06, TYH08, Toy07, WYO09, Wik08, YB05, YW08, ZC08a]. **multiple-image** [DESC07, Est07b]. **multiple-objective** [YW08]. **multiplication** [CT09a, PS09b]. **Multiplicative** [Li08, CG08a, ZW09d]. **Multiplicity** [HC08, YOA06]. **multipliers** [BG07a, BNPR08, Tan06, ZH09]. **multiply** [BDHW07, WN08]. **multipole** [DM07b, OMC08]. **multiquadric** [CHW09, LT06b, MW09b]. **Multirate** [SKAW09, Sav08, Sav09]. **Multiresolution** [GP08, ABT06, CP09c, KJ09, TS08, ZYLY09]. **Multiscale**

[LCZ09, CHXL06, LG07, MS09c, VR08]. **multiscale-based** [MS09c]. **multisplitting** [CHJZ09, Don09, Yun05a, Yun08a, ZHG+09]. **multistable** [DBE07]. **multistep** [AT07, ASL07, Gar09, Mar07a, TYZ+05, VAR06]. **Multivariate** [GNS06, Mat07a, PR08a, Ple09, Sau08, BI08b, KR08, LW06c, WLL06, Wan08b, WZD09, dMFPP08]. **multiwave** [PS07b]. **multiwavelet** [BP07]. **Müntz** [MC05c, MDSR04]. **mutual** [WWWF09]. **Myshkis** [CCH06].

N [Sto05b]. **Naik** [AG09]. **nanocrystalline** [WZH06]. **nanoscale** [LY05a]. **Nash** [PPV05, PLGS09]. **natural** [BBM07, EKEHR08, LS09, LYT07, RK08a]. **nature** [TH07]. **Navier** [Dai11, DC08, DSC09, DMZ08, FLPA09, FH09c, GRW08, HH07a, HL09b, KDN08, Mot06, NHN07, SS08, VVE08a, YWD09, YXYJ06, ZH09]. **NCP** [HHC09, MC08, ZZ09a]. **NCP-function** [MC08]. **NCP-functions** [HHC09]. **NCPs** [CP08b]. **Near** [BISS05a, BISS05b, KS07c]. **Near-best** [BISS05a]. **nearly** [EJ07, Scu09, Toy07]. **nearness** [YD08]. **Necessary** [BGG07, HW07, LW08c]. **negative** [BM06, DL09a, LVV05, Li07a, LZZ09, SZ08a, SZ09b, YW09a]. **negatively** [BS09b]. **Nernst** [Hsu05]. **nested** [RV05, Wac05, vdESvG05]. **nested-grid** [Wac05]. **network** [CFGVP07, DA09, HKS07, KCK09, Lin09b, SC06a, Yan06a, YHH05]. **Networks** [CM08, BNP07, CdAHBR06, CHBMBR07, FL09c, GEK09, HBS+07, LMZ08, LZY09, LY09, Liu07, LH07a, LGYH09, LS06c, LC08b, MLL09, Moh08, Sha09b, Sin08, SC07b, Ste07, TBBC07, TXZ09, XLHZ05, YSYX08, YY07c, ZG09, ZW09b]. **Neumann** [CV09, Dan06, HL07b, Hem06, HR09b, Jai06, JLNP06, Pie09, SFFS08, SFPS09, WMN05, WN08]. **Neumann-type** [Pie09]. **Neural** [CM08, FL09c, LMZ08, LZY09, Liu07, LH07a, LGYH09, LS06c, LC08b, MLL09, Moh08, Sha09b, Sin08, SC06a, SC07b, TXZ09, XLHZ05, YSYX08, YY07c, YHH05, ZG09, ZZZ09, ZW09b]. **neuron** [Yan06a]. **neuronic** [HCS05]. **Neurospora** [Nag09]. **neutral** [BBPR09, BG09, HR09a, JL06a, KTM09, LmZbL07, LWMT07, LB09, LB10, MLL09, MY08, PP05, Sak06, WWC05, WTL05, WLS08, WLS09, WL07, WH09b, XZL09, XW07b, XL07, YC05, ZW09c]. **neutral-type** [MLL09]. **Nevanlinna** [GLV05]. **Newmark** [ZP06]. **Newton** [AML07, Arg07, AR09c, Arg09a, Arg09b, BK08, CR09, CL06a, CP08b, CL09b, Chu08, DC08, DH09, DFZ07, Dub09, Dus05, EEGG08, EH06, FHH08, FH09a, GK09, GPRB05, GS09, HCL08a, HR05a, HR05b, Hom05, Hom09, Hsu05, Hu05b, HMT09, JYX07, Kaw07, KLW07a, KV09a, hLyHZ08, MC08, MNG09, PG07, Sch07b, Sea07, Śmi07, WZD09, WCY09, XZZ09, YOY07, ZJW08, ZZ09a, ZBL08, Zhu06]. **Newton-like** [Arg09a, HR05b, PG07, Sch07b]. **Newton-penalty** [Dus05]. **Newton-secant** [GK09]. **Newton-type** [CR09, FHH08, GPRB05, Hom05, Hom09, ZJW08]. **Newtonian** [GW08, ICW+09, Svá08b, ZZL08]. **Nicholson** [LF07a, LD08]. **Nicolson** [PP09, WKY+07, YWD09]. **nine** [DL09b, GSBB09]. **nine-point** [GSBB09]. **Njåstad** [Ano05-38, Lor05]. **NLS** [CX07]. **no** [Yun08b]. **Nodal** [BC08, Dmi08, Sie07b]. **node** [LW06b, LZ09a, LLD09]. **nodes** [BDGV09, Mil05, MS06a, dB05a]. **Noether** [JKM09]. **Noether-type** [JKM09]. **Noise** [FN09, BS07, CX06, Toc09]. **Noise-induced** [FN09]. **noisy** [BFGP08, KP08b]. **Non** [ARVP09, BS09b, Jay08, SFV09, UO09, ABBM09, AKL05, AR09c, BR07b, Bou07a, Cha07, CC07, DS09a, Dao08, DG08, DFLV06, DHS09, EZ07, Fan09, FIR06, GGT07, Gia06, GHT06, HSN09, HyLC06, ICW+09, KK09c, Kom07b, KMB09b, LC06b, LvGJ06, LP06a, MYY07, MK09, MY08, Moh05, MS07c, MS07d, MS05b, RW06, SJZY09, SZ08b, SDV07, Svá08b, Swe07a, XSW09, Yan06d, YG09a, ZZL08, ZCL09]. **non-algebraic** [GGT07]. **non-autonomous** [LC06b]. **non-classical** [ZCL09]. **non-commutative** [Kom07b]. **non-conforming** [CC07, GHT06, MK09]. **non-convex** [Fan09, KK09c, XSW09]. **non-critical** [MY08]. **Non-differentiable** [Jay08, AR09c]. **Non-existence** [SFV09]. **non-Fréchet** [ABBM09]. **non-Gaussian** [HSN09]. **non-Gaussianity** [SJZY09]. **non-Hermitian** [KMB09b, LvGJ06]. **non-integer** [MS05b]. **non-linear** [DG08, Moh05, MS07c, SZ08b]. **non-Lipschitz** [MYY07]. **non-living** [Gia06]. **non-local** [Dao08, EZ07, RW06]. **non-monotone** [HyLC06]. **Non-negatively** [BS09b]. **non-Newtonian** [ICW+09, Svá08b, ZZL08]. **non-overlapping** [Bou07a]. **non-penetration** [DHS09]. **non-polygonal** [SDV07]. **non-self-adjoint** [BR07b, Cha07, MS07d]. **Non-separable** [UO09]. **non-singular** [Yan06d]. **non-smooth** [DFLV06]. **Non-standard** [ARVP09, AKL05, LP06a]. **non-stationary** [DS09a]. **non-uniformities** [FIR06]. **nonautonomous** [Che05, GOT06, LZY09, LOZ08, SP06b, TR06, WLF09, XW06]. **noncoercive** [NH08]. **nonconforming** [AR09b, CYM08]. **nonconstant** [Bra07a]. **nonconvex** [DFZ07, YG07, ZZ09c, Zhu08b]. **nondifferentiable** [AHS08, Ant09, JK09, LW08c, MPR07]. **nonequispaced** [PT08c]. **nonexpansive** [CS07e, CQ09, PK09b, QCK09a, QCKK09, Tem09, Thi09]. **nonextensive** [Tsa09]. **nonhomogeneous** [AS05d, GNP09]. **nonincreasing** [MLY07]. **nonisolated** [SCM09]. **Nonlinear** [ABT06, CS07d, GF08, MJB09, Mil05, Pok06, Slo08, WLS08, WLS09, Xu07b, AETE07a, AEET09, Abb07a, AT09a, eMH06a, eMH06b, AEBEK09, ADMM07, AS07, AB05, AMV06, Arg09a, AB09b, BS09a, BLW06, BFT07, Bat08, BRW09, BH07b, BK09b, BF09, Bor07, BMC09, BK08, BSS09, CC09, CK09a, CS07c, CYZ09, Che05, CXS06, CGP09, CL09a, CYB09, CXH09, CHJL08, CMT09, DS09b, Dem07a, DA08, Du07b, EGO06, EGFOA09, EPS05, FWY09, Fan09, FWZ09, FPS08, FH09a, FI07, FD09, FKM05, FOP05, FL08b, GGG09, Gan07, GS07a, GJM07, GPP07, GXgL05, Gei09, GM07b, GZX09, HCL08a, HY09a, HJK09, Han07, HK07b, How09b, HL07c, HR09b, HyLC06, HM09b, HMT09, IO06, IS06, JDG06, Jan09, JG09, bJQlZ07, JM07b, KYF05a, KYF05b, KK06, KCS06, KRAH07, KR07, Koç08a, Koç08b, KHWF09, LWW08, yL08]. **nonlinear** [LL05, LL08, LSTS06, Lew06, LHW07, lLpZ08, Li09a, LZ08a, LZ08b, LZ09b, Lia05, LKSC06, zLCgS06, Liu08b, LYB09, LB09, LLW09, Liu09c, LB10, LRT06, LD06, LOA05a, LOA05b, LNL09, Luo06b, MC07, Ma08a, MV08, MO07a, Mat07b, Mat08, MY06, MJ07, MY08, MA08b, Min05, MK07, MO08, Ned08, NB06, OW06a, Pet09a, PR08b, Rob07, RKK09, SK05, Sak06, SS09b, Sha09a, SJ09, SJZY09, SJZ09, SV07a, SA07b, ST07, SP09b, SL08, Swe07b, TGJ19, TRST09, Uje07, UFG09, VW06, WMG08, WK07a, WLL07, Wan07b, WG08, WZ08, WHL08, WNZ09, WH09a, WYL09b, WWFV07, WWZY09, XZL09, Xu07a, XSP09, YY07a, YZ09c, YM07, Yas07, YW09b, YLW09a, Zha05, ZZ06a, ZJW08, Zha09b, ZJ12, Zho09a, Zhu05a, Zhu05c, Zhu05b, ZF09, Zhu08d]. **nonlinearities** [Cao08, HWSL05, LOA05b]. **nonlinearity** [IL05, SS09b]. **nonlinearly** [bJxC09, ZA09]. **Nonlocal** [CJCD07, Du07b, MJX09, SD09]. **nonmonotone** [DEMR08, LYW08, MLY07, QZZ08, QZY09, SS06a, SP09b, WLY05, XSW09, YP08, ZZ09c]. **Nonnegative** [OS07a, HYG08b]. **Nonoscillation**

[EBP09, JL06b, Xu08]. **nonparametric** [MJB09]. **nonperiodic** [BG07b]. **nonreflecting** [YS06]. **Nonself** [KN06, Thi09, ZTY07]. **Nonself-adjoint** [KN06]. **nonself-mappings** [Thi09, ZTY07]. **nonsingular** [VMV07]. **Nonsmooth** [BGRS06, AZGN06, Arg07, BGP09, KMVWY09, MW09a, PV09a, WTZ08, ZCH07, ZXZ09]. **nonstandard** [DK06b]. **Nonstationary** [CL09a, CGP07, Dol08, GP08, Yun05a]. **nonsymmetric** [Gan08, GQ09a, GNP09, Guo06, JR08, KK08, RT08, RT09, RH06, SHC08, SSZ09]. **nonsymmetrical** [ZGV06]. **Nontrivial** [LLW09]. **nonuniform** [DL05, KGA08, KDN08]. **nonuniformly** [SLN06]. **Nordsieck** [Kul09]. **norm** [CV05a, GSS07, HW08, bJyKyZmT09, Mor07, WA08]. **norm-relaxed** [bJyKyZmT09]. **normalized** [Swa06]. **normed** [BISS05b, MM09]. **norms** [MYY06]. **Norton** [FZ08]. **Note** [AOSY05, CHS08, Du07a, SA07a, AD05, BE06b, CL06c, DT06a, DS05a, Gra06, GZ05, HP07, KN09, KP07, LP07b, Li05d, LC09b, Lu09b, Luo07, MS07b, MB07b, RVA05, RP09, SG05, SHB05, VV06, Yun05b, Yun08b, ZZ06c]. **Notebooks** [RVK05, RV05]. **notion** [SCS08]. **Novel** [PK09a, TXZ09, XZL09, HMH08, MO08, SRW09, SK06, XWZH08, ZYLY09, dS07a]. **NPV** [Hua07]. **nuclear** [LRV+09]. **nullity** [VV06]. **number** [Kan05, LCH07, MS05b, SZ09a, SL08, Tan06, VVE08b, WD05, Wik08]. **numbers** [Ben07, CT09a, CMM09, EKL+07, GGP09, KG09, NP06, NP07, SP09a, WD05, XDW05, XW07a]. **Numeric** [SL09, BBD06]. **Numerical** [AT09a, AGM06, ADF07, AM09b, AVMMS+06, BS08a, BS09a, BCeAJ09, BDY09, BLW06, BSC07b, BG07d, BNP07, CFV06, Car06, CB07, Civ07, CP09b, DH06, DL08b, DS09b, dCDND06, DF09, DFLV06, DJ06, DFHS08, Eds09, ÉT08, FZ09, Fer09, FDFL07, Gao06, GRW08, GHT06, HO06, IO06, Ish07, JL06a, Jen07, Ko07, LL05, LL08, LLD09, LYB09, Lop07b, LRB05, MJX09, MDMRP09, MYY05, MD08, MCA09, MN07a, MO07b, MNMS05, Mus09, NHN07, NWW08, Nig07, PI06, PT08c, RVM08, Sha05, SA07b, SBO09, SDV06, Sun09, SSMB07, TGB08b, VRL07, VK08, WTZ08, XHK+08, YJJ09, ZZZ06, ZLA07, Zha07, ZCL09, AEET09, ACR06, Arp07, ABV08, Att05, BXC09, BS05, BFT07, BSC09, BGP07, BF09, BSV08, BB08b, BB09b, BMM06, Bru08, Bru09, CCD09, CJB06, Cas07, Cas05, CMM09]. **numerical** [CHSW08, CC06b, DMM07, DSI06, DFFW06, DK06b, FFSS09, FL09b, Gug06, GGP09, Ham09, Has09a, HV06a, Hat09, HV06b, HY09b, HCK07, HLL08b, IT07, JVVvdZ06, Jay07, Kaw07, KAP07, KTM09, LN07a, Li05a, LkLkP09, LS09, Lia05, LDM09, LKSC06, LM09a, LHL09, MV05a, MT05, MG08, Mon07, MS08b, NST08, PK09a, Pet07a, Pre08a, QW08, RS05a, RDH07, RHQ06, RK08b, SK05, SS05, SHK+08, SAD07, Sid05, Sid08, SFFS08, SLN06, uIHA09, SD09, SW06b, TRS07, UO09, VAN06b, Vil09, Wan07c, Win06, XC09, ZL05, Zha08, ZMH09, ZW09c]. **Numerically** [LCKK06, BKB06, CDM07b]. **numerics** [HZ05]. **Numerov** [AOSY05, FT08, HVV09b, Tsi06, VV07]. **Numerov-type** [FT08]. **nutrient** [Thi05]. **Nyström** [Van07a, AMCM05, AMCM06, Bar09, DL09a, Van06a].

objective [FY06, JRM09, LYW08, YW08, Zad09, ZW06a]. **objects** [DL07b]. **Obrechkoff** [DWW06, NBSV08]. **observed** [FvZ06, SB09]. **observer** [YJY06]. **obstacle** [BCK07, Hem06, KS07e, PS07b]. **obstacles** [Mar07c, Oga06, OA06]. **obtain** [LB07]. **obtained** [AG09]. **obtaining** [BCP07, OOM+07]. **occasion** [VAW07].

ocean [BCK07]. **octree** [DL07b]. **octree-encoded** [DL07b]. **odd** [CS07a, HCK07, KV05, OZY05]. **odd-order** [OZY05]. **oddoids** [HCK07]. **ODE** [BM07b, HKS07, NBSV08, NMM07, OZL09, SW06b, Wil07]. **ODE-based** [OZL09]. **ODE/DAE** [SW06b]. **ODEs** [Arp07, DS06, ED06, Hos09, HZ05, Jay07, Sav09, Sha07]. **off** [NSK09, VRBF07]. **offset** [LCKK06]. **Oharu** [VAW07]. **oil** [FGRW09]. **Olav** [Ano05-38, Lor05]. **Old** [AT07, MMFMG07]. **Oldroyd** [HKA07]. **Olever** [SWZ09]. **One** [Lar08, Müh06b, Roi07, CL09b, Cof05, DW05, EZ07, EHR09, GK07, HK07a, Hu05b, JVVvdZ06, JW08b, KGA08, Kho09, LOA05a, MC08, MG08, Osa07, ST05, Sen07, TTZ06, Vil09, WO08, Wu08, XHK+08, YYF09, YG09b, ZCS06]. **one-** [TTZ06]. **one-dimensional** [Cof05, HK07a, JVVvdZ06, JW08b, KGA08, LOA05a, MG08, ST05, XHK+08, YYF09]. **one-model** [Kho09]. **one-point** [EHR09]. **One-step** [Lar08, Roi07, CL09b, MC08, Vil09]. **one-way** [EZ07, Sen07]. **only** [CDMR07, Fin08, Gao05, Hu05b]. **Onsager** [sR07]. **Open** [Ano05-39, Gug06, CJCD06, EE06, GEK09, MMFMG07, MM06, PV09a]. **open-channel** [MM06]. **operational** [AT09a, BM08a, BS08a, DMS05, Hos09]. **Operator** [Gei09, GGP09, WLMS08, BJ06, Cho05, DSC09, Dai11, Djo07, FL09a, Gei08, HHST05, Kam07, Koz08, LN09, LD06, MJ08b, MS07d, Sch06a, Sha09a, SBO09, Vin09, WHL08, WH09a, Xu05a]. **operator-differential** [Vin09]. **Operator-splitting** [Gei09, DSC09, Dai11, Gei08]. **Operators** [EL07, AGM06, AS05c, AHL+05, AU09, ABBM09, Arg07, Ass09a, BNT08, Bad08, BGG07, CY08c, CS07c, CC05, CN08, CW05, DF08, EFS05, EMMP07, FD09, GP07, GPS08, IS09, KI08, KN06, MJ08b, MYY06, PZ08, RS07b, Swa06, WL06a, Xu05b].

opposite [DCZ07]. **OPSFA09** [VGT09]. **optics** [Tor08]. **Optimal** [Ata07, COEV05, CHNZ08, CCS05, DFY09, FW09, HW08, HLJ09, KS05b, Liu09c, SAHS09, VCD+08, WCY09, YW08, ABD+05, AZGN06, AVMVMV08, BBD06, Bor07, BSV08, BG07e, CJCD06, CM07, CY09, CL08, Chr09, CCK06, Gan08, GS06a, GHZ06, GL06, GF08, Hei05, HH07b, HVV09b, HYG08a, KV09b, LP07b, LFS08, LFW09, LHW08, Mar08, NT06, Pul09, Rie06, Saa06, SCM09, TLQ08, WTZ08, YZ09a]. **Optimality** [Ant09, YW09a, CG08a, Mar07b]. **Optimally** [Fer07]. **optimisation** [McC05]. **Optimization** [BC06, WWP09, Wan09b, ABÇ06, AVMMS+06, And09b, AT09c, BRVWM07, BGRS05, BGRS06, BSMT09, BGP09, BG07e, BNDN09, BT09, CL06b, DEMR08, DS05b, DMZ08, DDL09, EL06, EIM+09, FGB07, GAC+08, GZX09, HL08, HCL08b, JTHZ05, bJyKyZmT09, bJxC09, KMB09a, KCLW08, KGB+07, LMR07, LTW07, LTY08, LZLH07, Liu05, LW08a, MZW06, OZL09, QZZ08, QZY09, lSsZ05, SaLJ08, SW08, SG08, Ste07, SP09b, Suz05, TF07, TH07, UFG09, VL06, WCH05, WZ07, WFW09, WYL09a, WOK05, XZ08, YW08, YSY09, YY07b, YP08, YLW09b, Zad09, ZW06a, ZW08, ZZ08a, ZXZ09, Zha09b, ZZ09b, Zhu05b, Zhu08c, ZTG09, ZA09]. **Optimized** [FNW06, AS05f, KM09c, LM08]. **optimum** [Tok07]. **option** [HLJ09, Hug06, LÅH08, NST08, PLMP08, VV09a, ZDC07]. **options** [BF08a, BS08b, CP09a, DDV08, FL08a, KVK08, LO08, LWH09b, Pir09, Sch06b, TGB08a, TGB08b, VDL+06, WKY+07]. **orbit** [SAFS07]. **orbital** [AS05f]. **orbits** [ABP06, ABB+07c, KW07, PRL09]. **Order** [AMCM05, LZG+09, AOSY05, AHS08, ABG06b, ABP06, ABB+07c, AS05e, AGH06, ALR05, ADDdM05, BNT08, BJ07a, BFT07, BM06, BRW09, Bor07, BM07b, COEV05, CS06a, CS07a, CFMR09, CMST06, Cen08, CHCW05, CS07d, CP08a, Che08, CL09b, CCS05, Chu08, CH09, CMT09, CD07a, CDL05, CN08, DSC09, Dai11, DF09, DZ09b, DD08, DO06, Dor09, DLG05, Dub09, DG05, Dus05, ED06, EGO06, EGFOA09, EPS05, EBP09, EH06, FT08, FWY09, FWZ09, FH09a, FJT07, FPP07, FS08, Fin07, FOP05, Fra06, FH09c, Gal09, GGG09, Gei08, GO05, GPPRRB06, GPPRB07, GOT06, GS09, GZX09, GX09, GGA08, HCL08a, Has06, HYYF05, HAS08, HRGD08, HR05b, HM09b, Huy09, Ish07, JKM07, Jai06, JG09, Jia09a, JYX07, Jon06, KCK06, Kan08, Kar07, Kar09, KT07a, Kil07, KKLY06, Koç08a, Koç08b, Kom07a, Kom07b]. **order** [Kom08, KHWF09, KLW07a, KLW07b, Kou08, KL09, KBB05, LT07, LT05, LG07, Lei08a, LLZY06, LS07b, LW07, LTY08, LBS09, LS07c, LZ09c, LJL06, Liu08b, LB09, LLW09, LM09b, Liu09d, LB10, Log08, Lu05, LJ09, Luo06a, xMzY09, MP07, MD09a, MY06, MY08, Min05, MO07b, NWW08, NMKS09, NBSV08, NM06, NMMS05, NMM07, OZY05, PS09a, Ped05, Ped09, PM05, PRP08, PJ08, PS05, QFX06, Rad05, RVA07a, RVA07b, RB08, RVAD08, SS05, Sak05, Sak06, Sal09, ST05, SS09b, SWZ05, SZ08a, SZ09b, SA08a, SF08, SS09d, Sun08, SLZA09, SS06c, Sut07, Sza08, TRS07, TYZ+05, TGB08a, TGB08b, TG07, Toc05, Toc09, Tsi06, VVE08a, VMMM09, VMV07, Ver06, WKY+07, WG06, WTL05, Wan07c, Wan07b, WWC07, WG08, WML08, WYS09, WZ09a, WSZ09, Wei09, WS09b, Wri08, XW07b, Xu08, YLSX06, Yan06b, YS07]. **order** [YY07a, YLN09, YM07, YL09b, YSYX08, YW09b, YCJ09, ZCS06, ZCL06, ZWZ08, ZFG08, ZG09, ZLL09, ZW09b, ZLL08, Zhu08d]. **order-** [Kil07]. **ordered** [yPlH05, YG09a]. **Ordering** [MPZ09, ZGSF08]. **orders** [RP05]. **ordinary** [BW07b, CHCW05, HO06, Ish07, Lop07b, NMMS05, RS05c, TRS07, Vil09].

oriented [KMB09a, Kor06]. **originated** [GP08]. **Orr** [MCA09]. **Orthogonal** [BGVHN05, DP05a, DMGVP05, Ell06, Gau05c, MC05b, Pet08, RAG07, AÁN07, AB09a, ARN07, AGMMB05, AGRZ06, Ask05, BS08a, BDY09, BMS05, BS05, BBR05, BCGA05b, BCGA05a, BCV+05, BDGV05, CJB05, Car05b, CSSL09, CV05b, CBGV05, CBDGVN07a, CBDGVN07b, DSMY06, DOY08, DM05, DG05, DI06, FPP05a, FPP07, Gau05a, GLV05, Gri09, GS08, HHR06, Ism05c, IS09, JT09b, Khr05, KMJ06, Kra06, KT09, LYZ09, MP08a, MS07a, MJ08a, MOC09, MB05, MB07b, Pet07b, Pie08, RS05b, SRD05, VB05a, VB05b, Van08, Vol08, dMFPP07, dMFPP08, dMFPP09, vDvFZ09, vDvFZ13]. **Orthogonality** [DSZ05, MDSR04, MC05c, Sza05b, CLO09, CSSL09, CBDGVN07a, CBDGVN07b, DS07b, Kok05, CZ07, Ism05b]. **orthogonalization** [ARN07, VS08, YH09a]. **orthonormal** [Liu06]. **oscillated** [GDA07]. **oscillating** [Gau05a, PS05, ZZL08]. **Oscillation** [GX09, HM09b, JL06b, LLZY06, LM09b, OZY05, Sak05, Sak06, SZ08a, SZ09b, WTL05, WWC07, XW07b, Xu08, XX09, AK07, BV06, CHY05, Li05b, Liu09a, LB09, LB10, MY06, MY08, WWC05, Wan07b, WML08, XL07, ZW09b, Zhu08d]. **oscillator** [BSS09, JW08a]. **oscillators** [FSW09, Fra05, MDP08, OW06a, Van09, Xu07a, ZZZ09]. **Oscillatory** [HCK07, LZG+09, DS06, GLS07, HC09, HV06c, KC07, MC05b, WLMS08, Xia07a, Xia07b, XW08, YZ09c]. **osculatory** [HT06]. **Oseen** [TY05]. **Ostrowski** [KLW07b]. **other** [Art09, FH07, Ter05]. **outer** [AK09, PK07]. **outlines** [SRB06]. **output** [CX08, LC08b, SS09a, XXL08]. **overcomplete** [WC08]. **overestimation** [RKAH07]. **Overlapping** [Dao07, Bou07a]. **Oversampling** [GHMPV09]. **overview** [Sch06b].

P. [AGRZ06]. **P2Q2Iso2D** [BCH06]. **package** [GS07b]. **packet** [HV06c]. **packing** [Mar07b]. **Padé** [AETE07a, Boy09, DMGVP05, EZ07, GPTT05, GS08, KR08, KSVW07, MV05b, Mat07a, Sab08, TG09, YB05]. **Padé-type** [GS08, TG09]. **Padua** [CDV08]. **PageRank** [DGR07, LSW09, Wu08]. **Painlevé** [Cla05, Nou07]. **pair** [FSW09, GM07a, WHG07]. **pairing** [Cou09]. **pairs** [DM05, Dun07]. **Pál** [dB05c, dB05b, dB05a]. **Pál-type** [dB05c, dB05b, dB05a]. **palindromic** [CHLW08]. **pantograph** [FSL09, SAD07, SyS08]. **paper** [Dom07, Mil07]. **para** [BDGV05]. **para-orthogonal** [BDGV05]. **Parabolic** [Jon06, AZGN06, ABS07, BUG07, Bog05b, BJ06, CC09, CJCD06, CL06b, CYB09, Chr09, CP09b, DAE05, DBG07, DBR08, Gei08, GKMS09, GOT06, HZBM06, Han07, HH07b, KD05, KV07, Li05b, LDM09, zLCgS06, LD06, MW07, MS07c, OZY05, RKK09, Sch07b, SD09, SF06, YYF09, ZCL09, Zhu07]. **paraboloid** [PH09]. **Parallel** [Sch07b, SCY09, Suz05, BJ08, BGP07, CC06a, CC08, CCD09, GAC$^+$08, GZLL09, HE06b, LY05a, MBCV09, MGS08, NS09a, PKS$^+$09, VB05c, WW09, Zhu07]. **parallel-series** [WW09]. **Parameter** [DOY08, GSW07, MV08, MDT09, NGS05, Wil07, ABS07, BBF$^+$05, BJK09, Cha07, Cha08, Daa09b, DA09, Dao08, GK09, GG09b, Han06, JKM09, LCKK06, LC08b, MJB09, Min05, MvdMV06, OS07c, Osa07, RS07b, SM09, WK07a, WS09b, Xu07a, ZAVS09]. **Parameter-based** [DOY08]. **parameter-controlled** [GK09]. **Parameter-dependent** [GSW07, Cha07]. **parameter-expanding** [Xu07a]. **parameter-robust** [ABS07]. **parameter-uniform** [OS07c, SM09]. **Parameterisation** [GMFB06]. **parameterization** [GL06, HAS09b, KY06]. **parameterizations** [SFV09]. **parameterized** [AD05, Cen08, Wan09b, XWZH08]. **parameters** [AR06, CB07, CHJZ09, EL06, ER07, GVC$^+$08, GH06, HSN09, Hua07, HHZ07, KY07, Par08b, Rie06, Sen07, TR07, TR08, WL07]. **Parametric** [Din05a, PH09, CLP08, CMS08, FR06, KY06, LBS09, LCZ$^+$08, PK07]. **parametrization** [JH08b]. **paraxial** [AT09d]. **Pareto** [BdWG06, UFG09]. **Pareto-type** [BdWG06]. **Parshin** [CCLS06]. **part** [AT09a, Har06, KAC05, Mon09, ZWY09, CH09]. **Partial** [Jac06, AETE07a, AMCM05, ABS07, CL09a, DAE05, EMMP07, FPP07, FFSS09, GGD08, Gei08, GX09, HO06, IO06, JKM09, KSS07a, LDM09, Luo08, Mat08, MA08b, MO08, RAG07, SDV06, SCY09, VS08, WWC07, WML08, YZ09c]. **partially** [CCM07]. **Participants** [Ano05-40, Ano05n]. **Particle** [AFT$^+$06, AFT$^+$07, LW08a, NSK07, WO08, WZS06, YW08]. **particles** [Göt05, JKM07, LmLgF09, MM06]. **partition** [NQDJ06]. **partitioned** [TD06, VDV08]. **partitioning** [WOK05]. **partitions** [BISS05b, PR05, ZW06b]. **partly** [LZ05]. **parts** [CJ07]. **Pascal** [LHR09]. **passage** [ST05, SS08]. **patchwork** [Bak05]. **Path** [Sta07, KK09b, Lin09b]. **Path-following** [Sta07]. **pathology** [Wod05]. **pathways** [ZBB$^+$05]. **Pattern** [BGP09, yCyZ08, yCyZ09]. **patterned** [NP07]. **payments** [ADGH06]. **PC** [CX08]. **PCG** [KK08]. **PCR** [MMS$^+$09]. **PDE** [BG07e, BKB06, JKK06, LCZ$^+$08, Min05, PR08a, PW08, RW06, SRW09, Ste07, VK08, WWFV07]. **PDE-based** [JKK06, PW08]. **PDE-constrained** [BG07e]. **PDEs** [BF05, CC09, Har06, JKM09, Lui09, PRGPS09, SSV06, Sha05, SFFS08, SFPS09, VMMM09]. **PDIEs** [HR09b, RLH09]. **Peaceman** [PJ06b]. **peak** [WFW09]. **peakon** [TY07a]. **peaks** [GMFB06]. **Pearcey** [PK06].

Pearson [NK08]. **Pearson-type** [NK08]. **peer** [WSPJ09]. **Pell** [Kil07]. **Penalty** [NST08, BIR09, CG08a, Dus05, ER07, FLPA09, GSS07, GNP09, GBR09, LXSH09, LHW08, XSP09, ZLY09]. **penalty-function-free** [XSP09]. **penalty-projection** [FLPA09]. **pencil** [KV09a]. **pencils** [CG08b]. **pendulum** [CBH07]. **penetration** [DHS09]. **Penrose** [TA09]. **perceptions** [AS09a]. **perfect** [eMH05]. **perfectly** [ZKSS06]. **performance** [CCD09, Eds09, LWH09a, MV05a, Oou08, RDH07, Rom09, Val09]. **performances** [DL05, WY07, WYW08]. **Period** [AD09, LLS09, ZZ09b]. **Periodic** [CX07, FWZ09, IL05, LS06b, LS07c, LTM08, Liu08a, Liu09d, ML09, SWYZ09, SP06b, ST07, WSM$^+$09, XW06, YS07, ABP06, ABB$^+$07c, BK09b, COEV05, CJCD07, CCCH09, CXS06, CMRS06, Coj09, DWW06, DC09b, FWY09, HCS05, Har05, HWY09, LW05b, LH05a, LH05b, LC06a, LF07a, LW07, LD08, LH08b, LC09a, LC06b, Liu07, LH07a, Liu09a, LJ09, MN05, MLH08, NPTH09, Oga06, OA06, PRL09, PP05, RR06, SG05, Sha09b, SO05, TSC10, WW07, WS09b, WL07, YC05, YG09a, YLN09, ZCS06, ZG09, ZT07, ZL07, ZSZ09, Zho09b]. **Periodic-like** [CX07]. **Periodical** [XW05]. **periodicity** [LCH09]. **periodizing** [Sid08]. **periods** [ZCZ08]. **perishable** [Siv09]. **Permanence** [CS07b, CT05, LCH09, LOZ08, LL07a, SMT07, TCMS06, WJS$^+$09]. **Permutation** [KS06]. **permutations** [VC06]. **Perron** [AAZ06, HYG08b]. **Persistence** [KBB05, TR06]. **perspective** [Cal07, dMFPP08]. **Perturbation** [WCW09, AHM08, AD05, BF08b, Cen08, CL06c, DC09b, ED06, FHM09, GS07a, Hoo08, Jia06, Li08, Li09a, LP06a, Tem07, VAN06b, Vul07, XDW05, Yan06b]. **perturbations** [Coj09, DW05, Du07a, WZ09b, XZL09]. **Perturbed** [LS07a, ABS07, Att05, FSW09, Fra05, GY08, GC06, HR09a, KGA08, KM09c, LC06a, Lin05, LS05, MM07, MSE08, MN07a, MS07c, OS07c, RO05, Sto05a, Sto08, TRS07, TR07, TR08, Van09, XWZH08, YZ09b, ZC08b]. **Petrovsky** [MDMRP09]. **phage** [BLR07]. **Phase** [Van07b, Ahm07, DK06a, ÉT08, ER09, HS07b, HCK07, LW07, Min05, SS05, TTZ06, TK07, WT07, WZH06]. **phase-field** [TTZ06]. **Phase-fitted** [Van07b]. **phase-lag** [LW07, SS05]. **phase-transforming** [DK06a]. **phases** [CKT09]. **phenomenon** [BMW08]. **phi** [MPP07]. **phi-divergence** [MPP07]. **Philos** [XL07]. **Philos-type** [XL07]. **photogravitational** [PRL09]. **Photos** [Ano07o]. **Physical** [HHZ07, Lai09a, PS07b]. **phytoplankton** [Thi05, THS05]. **phytoplankton-nutrient** [Thi05]. **PIC** [AT09d]. **Pick** [Ped05]. **PIDEs** [May08]. **Piecewise** [Han06, ABET08, And08, BS08a, BdAR08, ED06, EMP08, GRW08, HV05, KD06, LY09, Müh06b, Wan08b, YLN09, ZW06a, ZW08]. **piecewise-linear** [ZW06a, ZW08]. **pile** [MD08]. **pipe** [BeMBH06]. **pipes** [BG07c, BGG08]. **PIRK** [CX08]. **PIRK-type** [CX08]. **Piscounov** [MDMRP09]. **Pitaevskii** [Wan07a]. **Pitfalls** [DFFW06]. **Pitolli** [PS08]. **pivoting** [CP07]. **pixel** [BBM07]. **Planar** [GM07a, Rho05, AD09, DL09b, EM07, FH07, MW08, Oga06, SRB06, ZCS06]. **Planck** [Hsu05, WO08]. **Plane** [PD06, CG08a, DSMY06, LWYT06, Li06b, Lu09a, MH08]. **planetary** [LB07]. **plankton** [CLCL07, LC06b]. **planning** [LLS09]. **plant** [KOS07]. **plasma** [CC06b, Dem07a, LmLgF09]. **plastic** [AYK09, KBSK08, NT08]. **plasticity** [LLM08]. **plate** [Bou07b, CYM08, HeM05, Kas06, KS05b, PSV08, RK08a]. **plate-membrane** [KS05b]. **plates** [CC07, HGS08, XKF06]. **plotting** [SLMW06]. **plus** [VMV07]. **PML** [HK07a].

Poincaré [Gin05, SSMB07]. **Point** [FR06, PPR07, AHC05, Bac09, BS09b, CM05b, CMST06, CY08c, CY08b, CAHAY09, CHCW05, CS07e, CWW08, Cho08, Cim09, CN07, CG07, DS09a, DMGVP05, DLG05, EST07a, EHR09, Fan09, Fin07, FKM05, GPTT05, GSBB09, GJL08, HY09a, Han08, HJK09, He05, HL09a, HVV09b, Hon07, Hu05b, HWL09, Jan08, JG09, Jia09a, JC09, JR08, Kar07, KK09a, LP07b, LZ08a, LZ08b, LZ09b, LZ09c, LZW09, LLW09, Lu07, xMzY09, MW08, MW09c, MD09a, MN07a, Moh05, Ned08, NB06, PVC06, QCK09b, SVC09, Sal09, SS09b, SHC08, SJZ09, Sun08, SLZA09, WCL08, Wan09b, WB09, Wei09, Won09b, WKL06, YN08, Yas07, Zha09a, ZCL06, ZGSF08, ZC08a]. **Point-based** [FR06]. **points** [Bla05, Boy09, CDV08, EFP06, HE06b, Huy09, KKLY06, KMJ06, KSS07b, NM06, Nke05, Par07a, Pet07b, Thi09, TMG09, WC08, Xia07a, Yan06b, ZTY07]. **pointset** [TK07]. **Pointwise** [DJ05, DD06, Pul09]. **poised** [CJ07, Zud05]. **Poisson** [CCJ07, CMRS06, EZ06, Hsu05, KK09c, KW09, LLL06, LT07, LC08c, MGV07, Nke05, SS06c, Wac05]. **Poisson-type** [KW09]. **Pol** [JW08a]. **Pole** [SHK+08, AM09b, CMRS06]. **Poles** [Par07b, Bla05, BGVHN05, SHB05]. **policy** [CKT09, KL08a, WWP09]. **Pollaczek** [FLS08, ZZ06b]. **pollutants** [AMO07, AMO08]. **polluted** [AVMMS+06]. **pollution** [GM06]. **Pólya** [DC09a]. **polycrystalline** [MPXK06]. **polyethylene** [HKB+05]. **polygamma** [BHJ05, Cof05]. **polygonal** [BN08a, BFP09, GS06c, SDV07, Wat07, YG07, ZZ07, ZKSS06]. **polygons** [ACWL07, LLD09]. **polyharmonic** [Ros08]. **polyhedra** [ZW06a]. **polyhedral** [KK09c]. **polyhexes** [Rho05]. **polyiamonds** [Rho05]. **Polynomial** [CD07b, Gin05, WB09, BB07, Cao08, CDL05, EIM+09, FL09a, FPO05, GGT07, GGM06, GS07c, Gri09, GS06b, Han05, Han06, HCK07, Ism05c, Jar09, KLO08, Las09, PIP07, PPR07, Pet09b, Pet08, RAG07, SLMW06, STB09, Sza05a, Tay08, VV09b, WT08, XW09, YA07, YWH05a, YWH05b]. **polynomial-like** [KLO08]. **polynomial-time** [EIM+09]. **polynomials** [Abb07b, AÁN07, ÁN06, AB09a, AGMMB05, AGRZ06, Ask05, BS06, BMS05, BS05, BBR05, BCGA05b, BCGA05a, BG07d, BCV+05, BDGV05, BI08b, Car05b, Cla05, CEF08, CDL05, CSSL09, CV05b, CS09b, CBGV05, CBDGVN07a, CBDGVN07b, DJ05, DSZ05, DLROY05, DSMY06, DOY08, DM05, DMGVP05, DC09a, DR09, DA06, Dom09, DJ07b, DJ09, DG05, DI06, Ell06, EKL+07, FDC08, FPP05a, FPP07, FLS08, GM09a, Gau05a, Gau05c, GU08, GLV05, GDA07, GPS08, GS08, GNS06, HHR06, IS09, JT09b, Khr05, KK05, KA08, KMJ06, Koo07, KV05, Kra06, KM05, KT09, LW06a, Lin07, Lu09b, MP08a, MDT07, MMFMG07, MS07a, MDSR04, Mat06, MBA09, MOC09, MC05b, MC05c, MB05, MB07b, Müh06b, OS07a, Par09b, Pet05, Pet07b, Pet08, Pie08, PV05]. **polynomials** [sR07, RS05b, RK08b, SRD05, SL05, Sau07, Skr05, Sto08, Sza05b, Tor08, VZ08, Vol08, Win06, WA08, Wün05, ZZ06b, dMFPP07, dMFPP08, dMFPP09, vD05, vDvFZ09, vDvFZ13]. **polyominoes** [GZ05, Rho05]. **Population** [LJM09, DJ06, DJ07a, IV07, KOS07, KS09, LSTS06, LH05b, LkLkP09, Lin08, Meh05, MvdMV06, MK05, RW06, RHQ06, SFSK07, Siv09, SP06b, TCMS06, WZ06, WF09, Zha08]. **populations** [BLR07, MPZ09, Tac07]. **poroelastic** [BSKS07]. **porous** [BeMBH06, CMX09, CO05, Cui07, EKEHR08, GS07a, HAS08, Hoo08, MP06a, SY09]. **porous-saturated** [Hoo08]. **Portfolio** [CHS07, QLJ09, CT09b, Hua08, HO09, JRM09, Lan08a, LZWQ09, Mar08, VV09a, YJJ09]. **Portfolios** [Ver08]. **posed** [AR09b, BR07a, Cal07, LHW07, MRSZ06, MRSZ07, RS08b, WHL08, WH09a]. **posedness** [HL08]. **posets** [DK05]. **position** [YKS09]. **Positive** [BDGV05, DK06b, FJG08, HY09a, LH05b, LZZ09, LC06b, MLH08, SS09b, SLZA09, WW07, WS09b, XXL08, Zha09a, BW06, CXS06, CGP07, DL09c, GT09, GJL08, HJK09, He05, Hon07, HC08, Hon08, HS08c, Iva06, JG09, Jia09a, Ko07, Kar09, KMB09b, LW05b, LH05a, LF07a, LS07b, LD08, LZ08a, LZ08b, LZ09b, LZ09c, LZW09, LHL11, MD09a, Möl07, NM06, yPESlZ07, RT08, RT09, RH06, SHC08, SZ08a, SZ09b, Sun08, SL08, TV07, Thi05, Wei09, Yan06d, Yas07, ZFG08, ZC08a]. **Positivity** [HS08c, KS05a]. **Positivity-preserving** [HS08c]. **positone** [Zha09a]. **possibilistic** [CT09a, JRM09, SP09a]. **posteriori** [BG07a, CS07c, CL08, CN08, ED06, EPP+09, FH09b, KS07d, Kor06, KHK08, LY07b, PIP07, YZ09a]. **Postprocessing** [ALR05]. **potential** [BE07, Cha08, CCCH09, FG09, GS07c, KKS+07, XHW07, YZ09d]. **potentially** [BLR07]. **potentials** [AKLT09, BBB07, Ehr06, LC08c, TX07]. **Poussin** [MT05]. **Powell** [BFGP08, MB06, SDV06, SDV07, VB05c]. **power** [BIR09, GW08, HHST05, TLQ08, VT06]. **power-law** [BIR09, GW08]. **powers** [Ber07]. **practical** [LZ09d, ZS05]. **pre** [AA08, Ant08]. **pre-processing** [AA08]. **precise** [SAFS07]. **precision** [Par09c]. **Preconditioned** [Cal07, WS09a, WL09a, YH09a, Yun08b, ZSWL09, Deu07, Li05c, Li05d, tLxLlW07, LC09b, NKM08, WHF07, WtL09]. **preconditioner** [Deu09, GH08, HWL09, KN09, KT07b, MN07b, RH06, STB09]. **Preconditioners** [DBR08, BW06, BDY09, HL07a, LRT06, Smo06, SCY09, Wan09b]. **Preconditioning** [CMX09, EM08b, BGP07, CNN07, MK09, VS08, VVE08b]. **predation** [YTM07]. **predator** [CS07b, Che05, CT05, DK06b, DC09b, FL06a, JL07a, Kar06, LCH09, LTC06, LZZD09, NPTH09, TR06, TSC10, WLF09, XW06, XGM09, YC06]. **prediction** [Fu08, Han08, MGMTO06, SS08]. **Predictor** [Din05b, Den07b, PS05, VW06]. **Predictor-corrector** [Din05b]. **Preface** [AHS07, ANR07, BRS09, BDF+09, BCS+06, BCP05, BLL07, CDZ06, CDG07, DM07a, DVD+08, GHK+09, GSL07, GVW06, Goo08, KMS09, LQW08, LRW05, MP06b, PRV09, RS07a, SP05, SP06a, Sol08, TMMS07, VA06, WL06b, zCEF07]. **prefilters** [CLS08]. **preinvex** [LW08d]. **preliminary** [MPP09]. **prescribed** [BDGV09, yPlH05]. **presence** [DDLM07, IV07, SdJMH09]. **present** [ADGH06, Spr06]. **preservation** [CFMR08, Moh08]. **preserved** [DV06a, DV06b]. **preserving** [ADD+08, CHW09, CFL05, CHLW08, Cim09, EZ06, FL09a, FO05, FOT07, GG09b, HS08c, IT07, KL08b, LM07a, PJ06a, PS08, SLZ06]. **pressure** [Deu09, dCDND06, LL06, Mot06, TY05]. **pressurised** [BG07c, BGG08]. **prey** [CS07b, Che05, CXS06, DK06b, DC09b, FL06a, JL07a, Kar06, LCH09, LTC06, LZZD09, NPTH09, TR06, TSC10, WLF09, XW06, XGM09, YC06]. **prey-chain** [DC09b]. **prey-competition** [CXS06]. **prey-predator** [Kar06, LZZD09]. **PrFeB** [WZH06]. **price** [VDL+06]. **Prices** [GM06, BSMT09]. **Pricing** [BBM09, BF08a, LWH09b, BS08b, CP09a, KVK08, LÅH08, LO08, May08, PLMP08, TGB08a, TGB08b, WKY+07, WWFV07, ZDC07]. **primal** [WFL07]. **primal-dual** [WFL07]. **principal** [AV06, BP06, yPlH05]. **principle** [Den07b, HKV09, SV07b, Sur05, ZL09a]. **Principles** [Pet07a, KK06, KS06, PT09b]. **priori** [BG07a, BFP09, FH09b, KV09b, YZ09a]. **prism** [YLC09]. **prismatic** [HKV09]. **privacy** [KLS+07]. **Probabilistic** [DS05c, AS05c]. **probabilities**

[DD07, LP09, MPP09]. **probability** [Bin07, DIKZ07, GA09, KKLM06, PW08, ZLA07]. **Problem** [Ber05, Chi05, Ism05a, Ism05b, Xu05b, dB05c, AYK09, AT07, AOSY05, AH07, AR06, AS05d, AD05, ABP08, Bog05a, Bog05b, BH07b, BJ06, Bou07a, BNPR08, BFP09, BFM09, BGVHN08, CD05, CCM07, CFV06, CY09, Cen08, CS06b, CCJ07, CYZ09, CJ09a, CHCW05, CL06b, CCH06, CS07d, CP08a, CLA09, CU09b, Cop05, Cui07, CG07, Cui08, Dan06, DS08, DGR07, DLG05, DL09b, DMZ08, Ehr06, EEGG08, EM09, EMP08, FI07, FY06, FJG08, GKM07, GA09, GEK09, GHZ06, Gon06, GSBB09, GBR09, Ham09, HKV09, HLX06, HTS09, HAS09b, HH07a, HCL08b, HV06b, Her09, Hoc08, HLY09, Jia06, JZW08, KGA08, Kar07, Kar09, KCK09, KK09c, Koh08, Koy07, Koy09, Kru05, KM05, KKD06, LP07a, LLS09, LL08, LRV+09, LS07b, xLLhZ08, LZWQ09, LS07c, Lia05, LDM09, LM09a, Lin09b, LF07b, LS05, LHW08]. **problem** [Mai08b, Mar07a, MP08b, MD09a, NT08, NMMS05, NMM07, OS07b, OW06b, PRL09, PP09, Pie08, Pul09, QFX06, QWS09, RW09, Sal09, SDP09, SZD09, SFSK07, Shi07, SO05, SS09e, Sun08, SS07, Tem07, TR07, TR08, TY05, Tur06, VRBF07, WYL08, WCY09, WB09, WMN05, WN08, Wu08, XZZ09, YM08, YZ09a, Yan06b, YJGL07, YXJG08, YW09a, YD09a, YKS09, ZJW08, ZLL09, Zho09a, ZA09, Zud09]. **problems** [eMH06b, AUY06, ABG06a, AV06, ADF07, AHC05, AZGN06, AABL08, ABÇ06, AS07, Alh06, AM09b, AR09b, AS05f, AGH06, ALR05, Ano05-39, AK09, Ant09, ABR07, Att05, AB09b, BN08a, BR07a, BMfX07, BBF07, BLW06, BGRS06, BTI08, BBD06, BR07b, Bi08a, BV06, BBB07, BGP09, BIR09, Bor07, BSV08, BMM06, BM07b, BG07f, BK08, BSS08, BK06, CG08a, Cal07, CJCD06, CM07, CFHM06, CKWZ07, Car06, CMST06, CY08b, CAHAY09, Cha07, Cha08, CC05, CW08b, CL08, CWW08, CGP09, Che09, CNN07, Cho08, Chr05, Chr09, CCK06, CHLW08, CW08d, DWW06, DKHNZ08, Dol08, Don09, DJ07a, DT06b, DBG07, DBR08, EE06, EM08b, EGFOA09, EPP+09, FG09, FH09b, Fin07, FR07, FNW06, FOP05, FKL05, FPP05b, FPP08a, FPP08b, GAC+08, GGG09, Gan08, GPP07, GMM09, Gei09, GKMS09]. **problems** [GGM06, GDA07, GPRB05, GPPRRB06, GPPRB07, GOT06, GL06, GC06, GZX09, GNP09, GJL08, HY09a, Han08, HV06a, HYYF05, He05, HK08, Hei05, HH07b, HCDP08, HK07b, HO06, HVV09b, Hon07, How09b, HHC09, HyLC06, HWL09, JLNP06, Jan08, Jar09, JVVvdZ06, JG09, bJQlZ07, JD05, JC09, JR08, KS07a, Kan08, KS07b, KK06, KOS07, KAP07, Koh07, KGW09, KA06, KV09b, KM09c, KLV09, KHK08, LN07a, Lan06, LMR07, LG07, LS06b, Li06b, Li07b, LHW07, LFHW09, LZ08a, LZ08b, LZ09b, LZ09c, LZW09, LKSC06, LJL06, LCA07, LT06b, LXX08, fLxXT08, LY07b, Liu08b, LLW09, Liu09d, Log08, Lu07, LP06a, MW09a, xMzY09, MDT07, MMM08, MV08, MSZ07, MMFMG07, MCR08, MK09, Moh05, Mon07, MRSZ06, MRSZ07, MA09, NHN07, NH08, NST08, NM06, NB06, OYA07, Oga06, OA06, OZL09, PS07a]. **problems** [PS09a, PK09a, PKS+09, Ped09, PN06, Pre08a, QCK09b, RTGB09, RS05a, RS08a, Rea07, RS08b, RDH07, Roi07, RM07, RKK07, RKK09, Sch08, Sch07a, SHK+08, Sch07b, SCM09, SA08a, SÁ08b, Sta07, Sto05a, SLZA09, TGJ19, TG07, TR09, TFC07, TY07b, TS05, VR08, VV05b, VAN06b, Vul07, WMG08, Wan07c, WWC07, WG08, WZ08, WGZ08, WYS09, WSZ09, WL09a, Won08, WLK06, WKL06, WTZ08, WWZY09, XZS07, XWZH08, YOA06, YYF09, YS07, YY07a, Yao09, YL09b, Yas07, YH09a, Yu06, YD08, YCJ09, ZAVS09, Zar09, Zha09a, Zha05, ZCL06, ZZZ08, ZW09a, Zha09b, ZC08a, ZLL08, Zho06, ZW09d, ZCL09, ZSWL09, ZC08b, ZKSS06]. **procedure** [UHNC09]. **procedures** [GRL09]. **Proceedings** [VGT09]. **Procesi** [ZCH07]. **process** [AHM09, AGM09, AMV06, ACQ09, BRVWM07, BS06, FvZ06, KRAH07, Kom08, LWS09, LBS09, MGV07, PPG07, RH06, SACJ09, Tem09, ZLLW08]. **processes** [AR09a, AI06, ACV05, Chr05, DGS06, EMP08, EHR09, GH06, Gia06, GLV05, GM09b, Gri09, HR09b, Kag09, KS06, LL08, LXSH09, Mar08, MSTT08, RKAH07, RLH09, YW09a]. **processing** [AA08, HT06]. **produce** [MS05b]. **produced** [CU09a]. **Product** [KMB09b, And09b, DP08a, Gar07a, GN09, Hoc08, KJ09, Lu09a, NK08, RS05b, Rza09, TG09, XDW05]. **Product-type** [KMB09b]. **production** [HKB$^+$05, LLS09, ZMAZ09]. **products** [FFK05, LWH09a, Ped05]. **Professor** [VAW07]. **profiles** [SBK07]. **programming** [AHS08, AH07, Ant08, Ant09, CW08c, CL09b, Fan09, Hua07, Jay08, JK09, LWYT06, LXUK06, LW08c, MW09a, MSA09, MPR07, PR08b, SaLJ08, SCM09, TJ08, TLQ08, VRSS08, Ver08, XZZ09, XSP09, Yu06, YXF07, ZMAZ09, ZW09d, Zhu05c, Zhu08b, Zhu08c, ZF09]. **programs** [CS09a]. **progress** [DW06b, Ela09a]. **progressive** [KG09]. **progressively** [LWH09a]. **project** [AG09]. **Projected** [BY09, Pul09, WLY05]. **projection** [Bno07a, CLN09, DD07, FLPA09, He06a, Vin09, ZZ06a]. **projection-difference** [Vin09]. **projections** [GU08, WS08]. **projective** [LG07, Par08b, Zhu05b]. **projectors** [ARN07, LMS08b]. **prolate** [KM09a]. **proof** [CS09b, CBH07, Wat09, ZWF09]. **proofreading** [CG05]. **proofs** [Sch07a]. **propagation** [DK06a, DDLM07, Li07a, Pre09, WDC$^+$08]. **proper** [LYZ09]. **Properties** [HHC09, HL09c, Mat07a, BH09, BCGA05b, BDS08, BJSS06, CFL05, Cim08, Cof09b, DSZ05, GG09a, HWL09, KYF05a, KYF05b, KS05a, LS06a, Las09, Lei08a, LF08, Mon09, MS06b, NS09b, Pie09, PS07b, Sav08, Sch05, WLY05, WTL05, WWWF09, XFgS06, YTM07, Zho08]. **property** [FL09a, Gu07]. **proportional** [Men09]. **proportionality** [CGPM08]. **proposed** [WYL08]. **protocols** [ABD$^+$05]. **prove** [OS07c]. **Proving** [FHL07]. **proximal** [CY08a, CY08c, Han08, KBA09, NB06, YN08]. **proximal-point** [NB06]. **proximal-point-based** [Han08]. **proxy** [XC06]. **Prüfer** [BBB07]. **pruning** [HJR07]. **Pseudo** [Ass09a, ACQ09, CLM06, CAHAY09, CP09b, KCS06]. **pseudo-contraction** [CAHAY09]. **pseudo-contractive** [ACQ09]. **Pseudo-differential** [Ass09a]. **pseudo-parabolic** [CP09b]. **pseudo-spherical** [KCS06]. **pseudo-symplecticity** [CLM06]. **pseudocontractive** [BS09c]. **pseudohyperbolic** [GRL09]. **pseudomonotone** [CY08a, LH09]. **pseudorandom** [Kan05]. **Pseudospectra** [GW06a, DW06a, Gra06, WMG08]. **pseudospectral** [BD06, GH08, GW06b, Koz09, OS06a, TL09]. **pulse** [BM08a, WJS$^+$09]. **pulsed** [KD05]. **pump** [HS07b]. **purification** [AVMMS$^+$06]. **pyramid** [ABT06]. **Pythagorean** [KL08b]. **Pythagorean-hodograph** [KL08b].

qd [AM09b]. **qd-algorithm** [AM09b]. **QP** [bJyKyZmT09, ZLZ09a]. **QP-free** [ZLZ09a]. **quad** [NQDJ06]. **quad-tree** [NQDJ06]. **quadrangular** [YLC09]. **quadratic** [Abb07b, ABG06b, CW08c, DL05, DL08a, DZLL06, FL09a, Han05, Hei05, Kuz08, Lan08b, Lan08a, Lin09a, hLyHZ08, Par05c, TJ08, XZZ09, YLC09, Zhu05c, Zhu08b, Zhu08c, dS07a]. **quadratically** [TJ08]. **Quadrature** [BP09, BDGV09, ELA09b, HS07a, MS06a, SH09, BC08, BDGV05, CE09, CV05b, CBDGVN07a, CBDGVN07b, EJ08, Gon09b, HS05, HV05, Huy09, JR07, KAC05, Kim05, pLT07, MJ08b, MCA09, MC05a, MC05b, NSL07, OMV09, Oou08, SL05, Sha08, WeR07, Xia05, Xia07a, Xie08, Yan05, Yüc06]. **quadratures** [ADDdM05, KK06, MS05a, MS07b, MSP08, MSP09]. **quadrilateral** [CJ06, EM08a, LW06b, LLD09, Zha07]. **quadrilaterals** [GHT06]. **Qualitative** [CHL09, WPC08, Cak07, FDFL07, Zho09b]. **quality** [DW06b, TMOG07]. **qualocation** [MNP08]. **quantification** [SV07a]. **quantiles** [MR09]. **Quantitative** [BG07e, NS09b]. **quantities** [GM06, Kor06]. **quantized** [NBSV08]. **Quantum** [AB09a, BSV08, ET06, PV09b, Tor08]. **quartic** [Chr05, CJ06, CHNZ08, Han06, HW07, JH09, WL06a]. **quartically** [Osa07]. **Quasi** [LMS08b, Sza08, BRIP09, BISS05a, BISS05b, BK08, CHW09, DL05, DL08a, DFZ07, Din05a, Din05b, DF08, FD09, FL09a, HLF09, Kaz06, Kul09, LCA07, MW09b, SVC09, SZ08b, WL06a, YOY07, Yan06d]. **quasi-Cauchy** [HLF09]. **quasi-consistent** [Kul09]. **quasi-equilibrium** [LCA07]. **quasi-interpolants** [BRIP09, BISS05a, BISS05b, DL08a]. **quasi-interpolating** [DL05]. **Quasi-interpolation** [LMS08b, BRIP09, CHW09, FL09a, MW09b, WL06a]. **quasi-linear** [Yan06d]. **quasi-metric** [SVC09]. **quasi-Newton** [BK08, DFZ07, YOY07]. **Quasi-solutions** [Sza08]. **quasi-static** [SZ08b]. **quasi-variational** [Din05a, DF08]. **quasi-variational-like** [Din05b, FD09, Kaz06]. **quasicommutators** [BGGC07]. **quasiconvex** [CS06b]. **quasilinear** [Dol08, Luo06a, Tat06, Vul07, Yao09]. **quasilinearization** [EGO06]. **quasistatic** [CFV06, CHSW08]. **quasivariational** [ZZ08b]. **quaternion** [JZW08]. **quenching** [Fer09, Rob07]. **queue** [AA09b, KL08a, TYH08, WWP09, WK07b]. **queueing** [ÉT08]. **queues** [GEK09]. **Quicksort** [SVC09]. **quincunx** [ABT06]. **quintic** [BM07a, CJ06, CMS08, DSI06].

R [LHW07, LM08]. **Rachford** [PJ06b]. **radar** [RCR05]. **Radau** [JB09, MSP08, PRGPS09]. **radial** [BE07, CP09c, DRT09, DS09b, DT06b, FT05, HC08, JAE09, LÅH08, PLMP08, RB05, SS05, Sch08, YXYJ06]. **radially** [AV06, MN07a]. **radiation** [AE07, Sea07, ZGV06]. **radiative** [Eds09, Lan05]. **radicals** [JK07]. **radius** [HR05c]. **Radon** [GU08, vdBHPS07]. **Raman** [CC06b]. **Ramanujan** [Mil07, RVK05, RV05, VK06]. **Random** [HSN09, ARG08, ADGH06, AAR09, CHBMBR07, CK08, Dai09, DIKZ07, Hui05, JN09, Kan05, KLV09, Lin09a, SB09, ST05, Tan06, Tar09, TL07, WW09, Wik08]. **randomness** [Hat09]. **range** [ABB+07d, LvGJ06, LP06b, PS07b, Wil07]. **Rank** [DV06a, TS06b, CS09a, DKHNZ08, DV08a, DV08b, GXgL05, GK07, HSL08, LLZ08, TM09, Wu08]. **rank-deficient** [DKHNZ08]. **rank-one** [Wu08]. **rank-revealing** [LLZ08]. **Ranking** [WLL09, WL09b]. **RANS** [GWG08]. **Rao** [DSMY06, Men09, Mil07]. **Rapid** [RB05, May08]. **rapidly** [ZZL08]. **Rashba** [MU08]. **Rassias** [Par05c]. **rate** [BS07, HO06, HLJ09, KI08, Lut07, SMT07]. **rates** [Chr05, DP05b, DC09c, HK07b, LCYZ08, TGJ19, YH07]. **ratio** [AS05a, FL06a, LCH09, XGM09]. **ratio-dependent** [FL06a, LCH09, XGM09]. **Rational** [JAE09, Mag09, PT09a, SWZ09, Bla05, BGVHN05, BGVHN08, CR09, Cla05, DZLL06, DZZT07, FO05, FKL05, GM09a, Gon09b, GM07a, GMFB06, HT06, HW07, HS08c, Joh05, LP06b, MDSR04, MC05c, PR07, SFV09, SH06, VB05a, VB05b, WT08, Waz07b, XW09, ZM09a, ZT06b, ZZ06c]. **rationality** [AS09a]. **Rationalized** [RA07]. **rationing** [BK09a]. **ratios** [SDP09, Soh05]. **Raviart** [BR07b, CY09, Jen07]. **ray** [Dom09]. **Rayleigh** [HWY09, LH08b, ZT07]. **Rayleigh-type** [LH08b]. **Razumikhin** [FL09d]. **Razumikhin-type** [FL09d]. **RCMS** [DS06]. **re** [DESC07, NMKS09]. **re-blurring** [DESC07]. **re-scaling** [NMKS09]. **reaction** [Alh06, ARVP09, AKL05, ABR07, ABV08, BH07b, CVB07, DS08, Du07b, GDM08, GC06, GL07, HKV09, HRGD08, KMVWY09, Kot08a, KHK08, LL05, LL08, LZY09, MJX09, MSZ07, RKK07, SSV06, SM09, VJ09, WZ09a, WF09, ZC08b]. **reactor** [HKB+05, NGS05]. **read** [ACV05]. **read/write** [ACV05]. **real** [ADÓ07, BGVHN05, CDM07a, CDL05, CDMR07, CDM07b, GPTT05, Kam07, LL07b, Pet08, SHC08, Tab07, XXL08]. **Reality** [XHW07, Lig09]. **realization** [HV06a, ZKSS06]. **reciprocal** [CMRS06]. **reconfigurable** [KDH08]. **reconstruction** [ABB+07d, GHMPV09, HHZ07, KY07, KS07e, PLGS09, YM08]. **reconstructions** [PS07b]. **Recovering** [FI07]. **Recovery** [LY07b, FZ09, YZ09d]. **rectangular** [BFGM06, DL08a, KS05b]. **Recurrence** [KV05, PG07, HM08, KT09, MP08a, Maz08, ZYD07]. **recurrences** [BM06, FFK05, KT07a]. **recurrent** [LH07a, LGYH09, Sha09b]. **recursion** [ADÓ07]. **recursions** [GW09, GST06, Zud05]. **Recursive** [LMS08a, Asa05, BSST08, Han09, Lar08, MVV08, MST05, Tan06, VW06, Wik08, ZSZ05]. **reduce** [CS09a]. **Reduced** [LT05, CU09b, LYZ09, MN07b, Pir09]. **Reduced-order-based** [LT05]. **Reduction** [BMW08, RKAH07, AG06, AMCM05, CK09a, GP07, HNS09, HW08, KS07a, KA08, LBS09, LW08b, Lu09b, Tsi06, Wil07]. **redundancy** [GBR09, WW09]. **reference** [HGS06, ZSGF09]. **Refinable** [CJ06, GPS08, HKZ09, Sau08]. **refined** [GW06b, LN07b]. **refinement** [AG06, AKK06, BKB06, DVCH06, HAS09b, HK08, Ker09]. **reflection** [GS06a]. **Reflectionless** [Sim07b]. **reflexive** [yPyHZ07, Sal09, Zho06]. **reformulation** [CP08a]. **refraction** [GS06a]. **refuge** [Kar06]. **regime** [FPS08, LJM09]. **region** [CU09b, MLY07, OZL09, QZZ08, QZY09, SS09c, SG08, SX09, SP09b, TSB09, YLW09a, Zho09a, Zhu05a]. **regional** [BB09a]. **regions** [And08, BDHW07, CB07, Lin07, Wat07, WN08]. **registrations** [TM08]. **regression** [Hu05a, MPP09, ZLLW08]. **Regular** [Bin07, AM09b, BS07, BSS08, CM07, CDL05, Gao05, May07, PS07a, PR05]. **Regularity** [Cim08, LN09, BGJ07, GS06c, PV09a]. **regularization** [BJ07b, CDM07a, CP08b, DD06, DFY09, GG09b, LR09, QWS09, RH09, TQA06]. **Regularized** [Est07b, Yam08]. **regularly** [Gal06]. **regulator** [BC09a]. **regulator-insurer** [BC09a]. **regulatory** [HBS+07, TBBC07]. **Reinsurance** [LT06a]. **Reissner** [Sur05, XKF06]. **related** [Art09, Chr05, Cof05, Cof09a, DSZ05, EMP08, FKL05, Gau05a, GLV05, JT09b, LTW07, MP08a, MC05b, Ped05, ZZ08b]. **relation** [AGMMB05, Ext99, HLF09, Koo07, MS07a, Mil06]. **relations** [AM09a, ADÓ07, CHS06, FLS08, KV05, Maz08, NSK09, PG07, RI06, ZYD07]. **relationships** [LW08d]. **relative** [WC07]. **relativistic** [AT09d, Rui05, Sie07a]. **Relaxation** [DP08b, vdESvG05, Dao07, MV08, Mur07, TV09b, WH09b]. **relaxed** [Ban05, CAY09, CHJZ09, bJyKyZmT09, Kho09, LWYT06]. **reliability** [GBR09, KK09b]. **reliable** [KL08a]. **Rellich** [BT06]. **reload** [BF08a]. **Relocation** [DBE07]. **remainder** [MSP08, XC09]. **remark** [GRL09, Pet09a, RKK07].

Remarks [KS07d, MC05c, RLX08, Dom07, OS09]. **removal** [DMM07]. **removals** [Yi09]. **renewal** [AI06, DWY09, LWS09, MGV07]. **repair** [CKT09, WCY09]. **repeated** [GM06]. **repertoires** [Meh05]. **report** [Ela09a]. **Representation** [BXC09, WLL06, AGRZ05, DM07b, HW07, sR07, SCG08, Sza05a, TD06, YL09a]. **Representations** [vDvFZ09, vDvFZ13, ARN07, Cof08, CJ09b, KT07a]. **representing** [Lut07]. **reproducing** [CHW09, CG07, XZS07, XHK+08, Zho08]. **reproduction** [FL09a]. **Research** [WWP+08]. **researches** [LWC+06, Wan08b]. **residual** [DD08, RVAD08, SSZ09]. **resilience** [YJY06]. **Resolution** [PP08, BCP07, LYT07]. **Resolving** [ZT06a, AG09, Vul07]. **resonance** [DLG05, SV07a]. **resource** [LL07a, YW08]. **respect** [Gau05a, Gei09, MM09, RS05b, Ter05]. **respiratory** [LH05a]. **response** [FS07, ICW+09, LCH09, LTC06, RMKA05, ZAVS09]. **responses** [Wod05]. **restart** [BJK09]. **restoration** [BJ07b, GG09b, LNL09, SRW09]. **restricted** [LP06b, Nov08]. **restricted-denominator** [Nov08]. **restriction** [WLL09]. **restrictions** [Gon06]. **Restrictive** [BW06]. **result** [Cim09, VB05b]. **resulting** [WZ06]. **results** [AT07, AGRZ06, AT09c, BJS08, BI08b, Cam08, CHCW05, CCH06, CJ09b, CdAHBR06, HLX06, He07, JH08a, Lei08b, Li05c, LH08b, LmLgF09, LH07a, Rob07, VB05c, WHF07]. **retarded** [ZT07]. **RETRACTED** [Wan09a, WYO09]. **retrial** [AA09b, CK09b, Siv09, WK07b]. **retrieval** [ZLdST09]. **returns** [CT09b, LZWQ09, SdJMH09, Ver08]. **revealing** [LLZ08]. **reverse** [SCM09, WYS09]. **revisited** [GH09]. **Reynolds** [ACV05, CMM09]. **RFLP** [MMS+09]. **RFLP/PCR** [MMS+09].

rheology [NT08]. **Riccati** [Abb07b, DSW08, Guo06, Lut07, Mag09, RO05]. **Richardson** [CLN09, FHZ09]. **Richardson-extrapolated** [FHZ09]. **Ridge** [Hu05a, Ism07]. **ridges** [MOZ07]. **Riemann** [Abb07a, BFM09, Dun06, KM05, Pie08, WMN05, WN08]. **Riemannian** [JLR06]. **Riesz** [KSS07b, MB06, TV09a, TX07]. **right** [CHSW08, GQ09a, LWH09a, Won08, YLC09, DS06]. **right-hand** [CHSW08, GQ09a]. **rigid** [CFS09, XZS07]. **rigorous** [JT09a]. **Risk** [AS09a, GD09, KG09, CHS07, Den09, DWY09, FW09, GW09, LXSH09, VCD+08, YZ09b, ZLY09]. **risks** [HG09]. **Rival** [ABB07e]. **RK** [CLM06, Pre09]. **RKGL** [Pre08a]. **RKHSM** [GC09]. **RLW** [DSI06, uIHA09]. **road** [BNP07, NL05]. **Robin** [CHY05, FZ09, YYF09]. **Robust** [CT09b, HWSL05, Kan08, TR08, AT09b, ABS07, DW06b, FSW09, GSW07, HGS06, MZC08, PT08b, Sin08, TND+09, WG09, YY07c, ZAVS09, dS07a]. **rock** [LP07c, MSTT08]. **RODAS** [Sav09]. **Rodrigues** [AGRZ05]. **role** [CMST06, CSG05, MP07]. **roofs** [dCDND06]. **root** [Boy09, Dub09, HYG08b, Lan08b, Lan08a, LL07b, PRP08, RP09]. **root-solvers** [RP09]. **Rooted** [Koi05]. **roots** [Eig07, HR05a, Hom09, RV05, RK08b, VLR08, ZZ07, dB05b]. **Rössler** [NaLH07]. **rotating** [Wan07a]. **rotational** [TY07b]. **rough** [CWMT07]. **round** [VRBF07]. **round-off** [VRBF07]. **routing** [EM09]. **ruin** [LP09]. **Rule** [Eig07, CE09, EFP06, HS07a, KAC05, MC05a, SH09, Tar09, ZWY09]. **rules** [Gar07a, Huy09, JR07, Kim05, KC07, KV09a, MJ08b, MC05b, MS06a, OMV09, Rza09, Sin09, Zin05]. **Rump** [OTOR07]. **Runge** [Van07a, AM09a, AMCM05, AMCM06, AS05f, BJ07a, BJ08, BH07a, BH09, CGPM08, CFMR08, CFMR09, Cam08, HVV09a, Han07, HL07c, Jay07, KR07, Koi05, Kom07a, Kom07b, Kom08, Kot08a, Kot08b, LZ06, NSC07, RVA07a, RB08, SKAW09, Sun09, Toc05, TS05, VMMM09, Van05, Van06a, Ver06, WLS08, WHL08, Wan08a, YLN09]. **Runs** [AI06].

S [Yun08b]. **Sabin** [BFGP08, MB06, SDV06, SDV07]. **Sabin-type** [BFGP08]. **saddle** [Bac09, HWL09, JC09, JR08, Par07a, SHC08, Wan09b]. **safe** [LMR07]. **safety** [NL05]. **Saint** [LP07a]. **Saint-Venant** [LP07a]. **Salpeter** [Sie07a]. **same** [Oou08]. **sample** [PR08b]. **samples** [CDM07b, LWH09a]. **Sampling** [FG08, ABI07, BCP07, Hui07]. **Saran** [Tur09]. **satisfying** [BC09b, DG05, FL09a]. **Satsuma** [CX06]. **saturated** [EKEHR08, Hoo08, Zad09]. **scalable** [DHS09]. **scalar** [EMP08, Kom08, TS06a]. **Scale** [SdJMH09, yCyZ08, yCyZ09, CXH09, GKMS09, HLX06, Joh05, MvdMV06, PKS+09, SCY09, VL06, WZ07, XZ08, ZT06a, ZJ12, ZFS09]. **Scaled** [Lin07, Gon09b, PT09a]. **scales** [AGH06, DaC05, EPS05, EBP09, HY09a, HJK09, He05, Hon07, Jac06, LZ09b, MS08a, RS05e, Sak05, Sak06, SL08, XX09, Yas07, YW09b]. **scaling** [AT09c, KCK09, NMKS09, Zhu05a, Zhu05b, Zhu06, Zhu08a]. **scanning** [SAHS09]. **scattered** [FL09a, KKLY06, LP06b, ZH08]. **scattering** [ABL07, ACWL07, AE07, Bou07a, BCK07, BG07f, CD05, CCM07, Cak07, CWMT07, CU09a, CNN07, EGM07, EM08b, GLS07, HMPR07, Mar07c, Nig07, RDH07, SHK+08, ZKSS06]. **scenarios** [SK09b]. **schedule** [Saa06]. **scheduling** [BDL09, ZMAZ09]. **Scheifele** [Van09]. **scheme** [AT09b, ACR06, BH07b, BF09, BD06, BB09a, BG07c, BG07f, Cen08, CY08b, CAHAY09, CCCH09, CLO09, Che08, Cim09, CD07a, Cui08, DS09a, DZ09a, DZ09b, DD08, EMP08, GAR07b, GC06, GL07, Har08a, HMG06, HL09b, HLJ09, JN09, KD05, KCK06, LT07, lLzS07, Lu05, LYZ09, Ma06, MN07b, PS08, PP09, PS05, SK05, SZ08b, TS08, VVE08a, VRL07, Vil09, WKY+07, WNZ09, WG09, YWD09, ZZZ06, ZWZ08]. **schemes** [ARVP09, ABBM09, AS05e, Ban05, BB08a, BB09b, CJB06, CHJL08, CGP07, CP09b, DSC09, Dai11, FC09, GLOS05, GP08, HPS06, HRGD08, HZ05, HP07, KMVWY09, Kot08a, Kuz08, Mat07b, NP08, NT06, Qiu07, Rad05, RVAD08, Roe08, Rom09, SKAW09, SBK07, SF08, Sun09, Sut07, Tab07, TYZ+05, TGB08b, Toc09, VMMM09, VR08, WKY+07, XY05, XC06, YLSX06, YXYJ06, ZP06]. **Schmidt** [RH06]. **Schrödinger** [BD06, CCJ07, CHJL08, EZ06, GS07c, JW08b, KCK06, KHWF09, LRV+09, LN09, LC08c, MU08, MD09b, SS05, SBO09, Swe07b, WNZ09, ZZZ06]. **Schur** [Bac09, Deu09, LHL06, NL05]. **Schwarz** [And08, And09a, Bad08, Bog05b, Dao07, lLpZ08, Sch07b, SM09]. **science** [GPS09]. **scientific** [ZFS09]. **scores** [WC07]. **Scott** [ZWZ08]. **scrambled** [VC06]. **screens** [CD05]. **SDD** [Mor07]. **SDE** [LS06a]. **SDELab** [GS07b]. **SE** [QW06]. **Search** [BGP09, DEMR08, HE06b, bJQlZ07, KCLW08, QZY09, SS09c, SS06a, TJ08, XSW09, XSP09, YP08]. **searches** [hLyHZ08]. **Secant** [Gal06, HQ06, AB05, DFZ07, GK09, YOY07, YA08]. **Second** [AHS08, BM06, DSC09, Dai11, DD08, DO06, FPP07, GGA08, LG07, MS07a, ZWZ08, AS05e, AGRZ05, ADGR06, BS09a, BNT08, BF09, BM07b, Cen08, CHCW05, CP08a, CLA09, CL09b, CN08, DL08b, DZ09b, DG05, ED06, EGO06, EGFOA09, EBP09, FJT07, Fra06, GJ08, GO05, GPPRRB06, GPPRB07, GOT06, GZX09, HYYF05, Hsi09, HM09b, Ish07, Jai06, Jia09a, KT07a, KKLY06, Kom07b, Kom08, LC08a, Lei08a, LLZY06, LS07b, Liu08b, LB09, LLW09, LM09b, LB10, Luo06a, MB07a, MD09a, MY06, MY08, NWW08, NMKS09, NM06, PJ08, QG08, Qi08, QGC08, Qi09, RVA07b, RB08, Sak05, Sak06, Skr05, SLZA09, Sza08, TRS07, Toc05, Wan07b, WML08, XW07b, Xu08, Yan06b, YS07, YY07a, YL06, YCJ09, ZLL09, Zhu08d]. **Second-order** [AHS08, BM06, DSC09, Dai11, GGA08, LG07, ZWZ08, AS05e, BNT08, BM07b, Cen08, CP08a, CL09b, DZ09b, ED06, EGO06, FJT07, Fra06, GPPRRB06, GPPRB07, GOT06, GZX09, HYYF05, HM09b, Ish07, Jia09a, KT07a, KKLY06, Kom07b, Kom08, LS07b, Liu08b, LB09, LLW09, LB10, MD09a, MY06, MY08, NMKS09, NM06, RVA07b, RB08, Sak05, Sak06, SLZA09, Toc05, Wan07b, Yan06b, YS07, YCJ09, Zhu08d]. **section** [KMB09a, UHNC09]. **sections** [HW07]. **sector** [LS05]. **sediment** [DP08b]. **sedimentary** [CLQ09]. **seeds** [ZLLW08]. **segment** [WM09]. **segregated** [JR08]. **SEI** [YY08]. **Seidel** [Li05d, LC09b, NKM08, ZM09b]. **selected** [MvdMV06]. **selecting** [MPZ09]. **Selection** [Ver08, AKW05, BBF^{+}05, CM05b, CMST06, CT09b, DS05c, Hua08, Hui07, JRM09, LZWQ09, QLJ09, RVA05, YJJ09]. **selective** [RW06]. **Self** [Car05b, AGH06, BR07b, CPM^{+}05, Cha07, dCDND06, EGFOA09, EGFO09, EST07a, EMMP07, Gal09, KM09c, LLZY06, LP06a, MS07d, Pet09b, SS09c, WHG07]. **self-adaptive** [SS09c]. **Self-adjoint** [Car05b, AGH06, EGFOA09, EGFO09, EMMP07, KM09c, LP06a]. **self-conjugate** [LLZY06]. **self-consistent** [WHG07]. **self-similar** [EST07a, Gal09]. **self-tolerance** [CPM^{+}05]. **self-validated** [Pet09b]. **self-weighted** [dCDND06]. **semantics** [PPG07]. **Semi** [eMH06b, Bej06, BB09a, FG09, ZSGF09, Ahm07, ADDdM05, BB08a, BeMBH06, CW08b, FFSS09, FN09, GLdS08, HPS06, HL08, HeM05, HL09b, KCK06, LWYT06, LB07, MW09a, MLL09, SF06, TV07, TLQ08, Var07, VRSS08, Ver08, WG09, XZS07, XZZ09, YOA06, Zha09a].

semi-algorithmic [ADDdM05]. **Semi-analytic** [FG09]. **Semi-analytical** [eMH06b, Ahm07, FFSS09, LB07]. **Semi-blind** [ZSGF09]. **Semi-cardinal** [Bej06]. **semi-definite** [LWYT06, TV07, XZS07, XZZ09]. **semi-discrete** [KCK06]. **semi-explicit** [WG09]. **semi-free** [MLL09]. **semi-implicit** [BB08a, BB09a, FN09, HL09b]. **semi-infinite** [BeMBH06, CW08b, GLdS08, HL08, HeM05, LWYT06, MW09a, TLQ08, VRSS08, Ver08, YOA06]. **Semi-Lagrangian** [BB09a, HPS06]. **semi-linear** [SF06, Var07]. **semi-positone** [Zha09a]. **Semiclassical** [dMFPP07, MS07a, dMFPP08]. **semiconductor** [DBE07, FIR06]. **semiconductors** [PV09b]. **semiconvergent** [MRSZ06]. **semidefinite** [AH07, Yu06]. **semidiscrete** [BW07a, Cui08, KV07]. **semigroup** [Kok05]. **semigroups** [CS07e]. **semilinear** [AK09, Bog05a, Bog05b, EPP^{+}09, Fer09, KV07, MW07, SD09, Wan07c, XCZ08]. **semilocal** [Arg09b, Hu05b, ZBL08]. **semiparametric** [Hu05a]. **semiseparable** [Gem05, VVV08, VMV07]. **semisingularly** [ZC08b]. **semismooth** [CP08b, Śmi07, Zhu06, Zhu08a]. **semistrictly** [LW08d]. **semitransparent** [Sea07]. **semivariance** [Hua08]. **Sensitivity** [HyLC06, LP09, AHM09, DW06a]. **Separable** [SV07a, UO09, ZW06a]. **separated** [BV06, Log08]. **separating** [Toy07]. **Separation** [DJ07b, KSS07b, SJ09, SJZY09, SJZ09]. **Septic** [SA08a]. **sequence** [DMM07, Kil07, ZSZ05]. **Sequences** [CBDGVN07a, CBDGVN07b, Ber07, DJ09, JKK06, MDSR04, MC05c, MRSZ06, PC05, SCS08, Tor05, VC06, WS08]. **Sequential** [WCH05, FHZ09, TJ08, Zhu05c, Zhu08c]. **serial** [CG05]. **Series** [KSS07a, AGM09, BG07d, BE06a, BE06b, BSS09, yCyZ08, yCyZ09, CJ07, CZ08b, CV09, Cof05, Cof08, CJ09b, CS09b, Gau05b, Gin05, GBR09, HHST05, LV06, LV07, Mat06, MGMTO06, Mil09, Par09c, RI06, RVK05, Rea07, RS05d, SLH06, TMG09, UHNC09, Van08, WW09, DS06]. **server** [CKT09, KL08a, TYH08, WWP09]. **service** [BNDN09, CKT09, LLS09]. **sesquilinear** [Par05c]. **set** [Chi05, DMZ08, EM08a, HyLC06, bJxC09, KAP07, KGW09, LTY08, Lin05, Liu05, MMS+09, PK07, RM07, UFG09, ZL09a]. **set-valued** [HyLC06, LTY08, ZL09a]. **sets** [CJCD06, CZ09, CK06, GLdS08, MPP09, XGZ09]. **settling** [MM06]. **seventh** [KLW07b]. **seventh-order** [KLW07b]. **several** [HHST05, Li05b, Nig07, Xio07, Xu05a]. **SGBEM** [ADF07]. **Shabat** [CHL09]. **shadowing** [Gu07]. **shallow** [AVMMS+06, AB07, CGRGVP08, QW06, SF08]. **shallow-water** [CGRGVP08, SF08]. **Shape** [CFL05, DMZ08, PS08, YM08, Ata07, FGB07, FL09a, FOT07, GA09, HS09a, Han06, KGB+07]. **Shape-preserving** [CFL05, PS08, FL09a, FOT07]. **Shape-topology** [DMZ08]. **shaped** [Li09c, YH09b]. **shapes** [ET06, PLGS09, SRB06]. **Sharma** [SWZ09]. **Sharp** [Che09, GO07]. **shear** [DDLM07]. **sheared** [eMH06a]. **sheet** [Pit09]. **Sheffer** [Kok05]. **shells** [Civ07]. **Sherman** [EM06]. **Shifted** [Sin09, VL06]. **shifts** [Wu07]. **Shinnosuke** [VAW07]. **Shishkin** [RO05]. **Shiu** [ZLY09]. **Shock** [TY07a, AAK06, GWG08, SBK07]. **shock-compacton** [TY07a]. **shock-free** [GWG08]. **Shock-peakon** [TY07a]. **Shohat** [Van08]. **Short** [Den07b, Sen07]. **short-tailed** [Sen07]. **shortest** [KK09b, Lin09b]. **shunting** [LMZ08, Liu07]. **side** [CHSW08]. **sided** [GPTT05, HYC05, Müh06b]. **sides** [GQ09a]. **Sigmoid** [GZX09]. **sign** [AMV06, DCZ07, LLW09, LOA05b, SS09b, Won05].

sign-based [AMV06]. **sign-changing** [LLW09, SS09b]. **signaling** [ZBB+05]. **signals** [ZSGF09]. **signature** [XC06]. **signomial** [SaLJ08]. **Signorini** [xLLhZ08]. **similar** [EST07a, Gal09]. **Similarity** [eMH08, DA08, GW08]. **Simple** [Koç08b, BJK09, GR09, HR05c, LmZbL07, SS09c, Sau08, TTZ06, ZZZ09]. **simplex** [KA08, Lu09b, PC05, Sto06]. **simplicial** [BHP07, SDP09]. **Simplified** [HY09b, Toc09, BDHW07]. **simply** [Chu08]. **Simpson** [Gar07a, ZWY09]. **Simulating** [Göt05, BdAR08]. **Simulation** [ARG08, Dor09, SSW09, THS05, ACV05, BRVWM07, CHSW08, DFHS08, FHtMP06, GKMS09, GM09b, HKB+05, IO06, KM06, KRAH07, KSE09, KGB+07, LY05a, MJX09, OMC08, RKAH07, Sha05, WT07]. **simulations** [ABD+09, BNP07, CFV06, Hat09, WZH06]. **simulator** [SL06]. **Simultaneous** [MV05b, PKS+09, GAC+08, PPR07]. **simultaneously** [CJCD06]. **Sinc** [AYK09, MNMS05, NMMS05, RZ07, SZD09, SK09a, WLK06, WKL06, NMM07]. **Sinc-collocation** [NMMS05, RZ07, SZD09, WLK06]. **Sine** [OOO+07, Bra07b]. **Sine-Gordon** [OOO+07, Bra07b]. **single** [BSS09, CT05, KL08a, LmZbL07, Lin08, PVC06, WM09, WZH06]. **single-phase** [WZH06]. **single-population** [Lin08]. **single-species** [CT05]. **single-term** [BSS09]. **Singular** [CK07, Yan06c, AM09b, AD05, ABV08, AKW05, BMfX07, Bar09, Ben07, BBB07, BF08b, CE09, CCD09, Cen08, CT09c, Civ07, CG07, DL09a, DV06a, DW05, DL08c, Dio09, EGFOA09, EGFO09, EJ07, ELA09b, Fer09, FPP05b, FPP08a, FPP08b, Gao05, Gao06, GJ08, GXgL05, Gon09a, HS07a, HMT09, HV05, IL05, KA07, Lan06, LS07b, Li08, LZ08a, LZ08b, LZ09b, LKSC06, LM09a, LJL06, LLW09, LOA05a, LOA05b, LP06a, LYZ09, MZC08, MJ09, MB07a, MVV08, May07, OYA07, PS07a, PS09a, PT06, PT08a, Pet07b, Scu09, SLZA09, TV07, Tem07, VG09, VAN06b, Vul07, WZ08, WD05, YOA06, Yan06d, Yan06b, YL09b, Zha05]. **singularities** [CO05, Kru05, MS06a]. **Singularity** [FFK05, HS09b, KS07c, Moh05]. **singularly** [ABS07, Att05, GC06, KGA08, KM09c, Lin05, LS05, MM07, MS07c, OS07c, RO05, Sto05a, TRS07, TR07, TR08, XWZH08, ZC08b]. **sinh** [CMRS06]. **sinh-Poisson** [CMRS06]. **SIR** [SMT07, YH07]. **SIS** [WZ06]. **Sivashinsky** [LT05]. **Sixth** [CFMR09, SA08a, Sut07]. **Sixth-order** [CFMR09, SA08a]. **Size** [KOS07, CLQ09, NBSV08, RVA05, Sic08, VRL07]. **Size-structured** [KOS07]. **sizes** [PR08b]. **Skan** [Asa05]. **skeleton** [PR05]. **skeleton-regular** [PR05]. **Skew** [AAR09, GQ09a, DGS06, Duf09, HYG08a, HWL09, JC09, KMB09b, Pie08]. **Skew-Gaussian** [AAR09]. **skew-Hermitian** [HWL09, JC09, KMB09b]. **skew-orthogonal** [Pie08]. **Skew-symmetric** [GQ09a, HYG08a]. **skewed** [AT09b]. **slate** [TMOG07]. **sliding** [SA09]. **slip** [HKA07]. **slot** [AVMVMV08, SS08]. **slowly** [Gau05b]. **SLP** [WWW08]. **sludge** [KRAH07]. **slug** [KPAT07]. **small** [CV06, FL06c, Hem06, JKM09, Mar07c, Ped05, ZT06a]. **small-scale** [ZT06a]. **Smallest** [MB05]. **smooth** [AU09, ABET08, And08, BN08a, BMW08, CT09c, DF08, DFLV06, HV05, JLR06, Mus09, ZCH07, ZZL08]. **Smoothed** [AFT+06, CJ08]. **smoothers** [CdWJ06, Kan08]. **Smoothing** [GU08, KMVWY09, BK08, CL09b, DD06, HZW08, KP08b, MC08, Scu09, Sun09, WKY+07, XZZ09, ZJW08, ZLL09, ZZ09a, Zho09a]. **smoothing-type** [HZW08]. **Snowflake** [NSS06]. **SNP** [WWWF09]. **Sobolev** [AGMMB05, BMS05, BS05, BCGA05b, Bou07b, Cim08, GS06c, Maz06, MOC09, MB07b, RS05b, Xie08]. **soft** [KGW09, RM07, XGZ09]. **softening** [ADF07]. **software** [CN07, DMM07, Gug06, Kro06a, MV05a, Sha07, SW06b]. **soil** [MD08]. **soil-structure** [MD08]. **solid** [HKM08, WT07]. **solid-liquid** [WT07]. **soliton** [BK09b]. **Solution** [Asa05, DFLP08, HLY09, Koh08, RZ07, TR07, VV05b, WWFV07, YKS09, Abb07a, AT09a, ADF07, Alh06, AAK06, AM09b, AS05e, AS05f, ABR07, AGRZ05, ABV08, BS08a, BS09a, BCeAJ09, BLW06, BF05, BFT07, Bat08, BTI08, BGP07, BBD06, BY09, Bor07, BSV08, BTS07, Bra07b, BMM06, BSS09, BK06, CM07, Car06, CdVT07, CXS06, CU09a, CU09b, CMM09, DSI06, Dao07, DSW08, DS09b, Djo07, DL09c, Eds09, EM06, EGM07, EM08b, ED06, FLMR07, FC09, GAC+08, GEK09, GRW08, GLdS08, Gon09a, GM09c, Gug06, GGP09, HS08a, HV06a, HAS08, HK08, Hei05, HV06b, HO06, Hoo08, Hos06, HLL08a, HYG08a, JL06a, Jen07, JR08, Kas06, KAP07, Koç08b, LP07a, LL05, LL08, Lew06, LC06a, LS07b, LFHW09, LC06b, xMzY09, MB07a, MSZ07, May08, MP06a, MCA09]. **solution** [MG08, MN07a, MK07, Moh05, MS07c, MD09b, MNMS05, Mus09, NTS06, NPTH09, NST08, NM06, Oga06, OA06, OS06a, PK09a, PKS+09, yPESlZ07, PK07, Pre08a, RO07, SK05, SS05, SAD07, SyS08, Sha09b, SCM09, SFPS09, uIHA09, SWZ09, SBO09, SDV06, Ste07, SSMB07, TL09, TR08, TSB09, TSC10, Tur06, VVE08a, VVE08b, Vol05, WCL08, WYL08, WD05, XHK+08, ZCS06, ZCL06, Zhu07]. **solution-dependent** [HV06a]. **Solutions** [BB07, LCYZ08, LXUK06, LXZG09, OYA07, eMH06a, eMH08, AMG07, AS05d, Asl10, Ass09b, ADDdM05, BB05, BSC07a, BSC09, BK09b, BG07e, Bru08, BSS08, COEV05, CRS05, CX06, CX07, CL08, CHL09, CT09c, CMRS06, Cim08, Cla05, Daa09b, DFLV06, DA08, DAE05, Eba09, EZ06, Eng09, Enr06, EPS05, FWY09, FWZ09, FJG08, FPO05, Fin07, FL06c, FDFL07, GW08, Gin08, GJL08, HY09a, HEOS05, HCS05, HJK09, HKV09, Hat09, He05, HWY09, Hon07, HC08, Hon08, IL05, Iva06, JG09, Jia09a, Ko07, Kar09, KK06, Kaw07, KCS06, KS07d, KA07, KV07, KBB05, LWW08, Lai09a, LW05b, Li05b, LH05a, LH05b, LF07a, LD08, LH08b, LkLkP09, Li09c, LZ08a, LZ08b, LZ09b, LZ09c, LZW09, LKSC06, LJL06, LXX08, Liu07, LH07a, LTM08, Liu08a, LLZ09, LLW09, LOA05b, LJ09, Luo06a, Luo06b, Luo07, Lut07, MW07, MDMRP09, Mag09]. **solutions** [MO07a, MN05, MD09a, MLH08, ML09, MNHA09, NHN07, NMKS09, OS07b, OOM+07, PV09a, yPyHZ07, PP05, PS05, RTGB09, RLX08, RAG07, RHQ06, RR06, SS09b, SWZ05, Sch07a, SWYZ09, SA08a, Soh05, SdJMH09, SA07b, SP06b, ST07, Sun08, SL08, SLZA09, Sza08, Thi05, TY07a, VJ09, Wan07c, WHG07, WYS09, WSM+09, Wan09a, Waz07b, WW07, Wei09, WF09, WS09b, Won05, WL07, XW06, YS06, YOA06, YC05, Yan06d, YZ09c, YG09a, YM07, Yas07, YW09b, YG06, ZGV06, ZSZ05, Zha09a, ZCH07, Zha08, ZFG08, ZG09, ZC08a, ZLL08, ZT07, ZL07, ZW09c, ZSZ09, Zho09b, ZLDW09]. **solvability** [Cas07, NT08, Zho06]. **solvable** [DO06]. **solve** [AMCM05, BM08a, Koç08a, hLyHZ08, ZZ09b]. **solved** [SB09]. **Solvency** [Pit09, GD09]. **solver** [AFT+06, ABD+09, Duf09, HBS+07, KDN08, LS06a, NS09a, NBSV08, SSV06, Wac05]. **solvers** [DRV08, DFFW06, GWG08, JF06, KDH08, KL09, LLL06, RP09, SS06b, SS06c]. **Solving** [AETE07a, AH07, AS07, BG09, BUG07, CGRGVP08, CL06b, CN07, CG07, EM08c, JDG06, Jan09, TRST09, YL09b, Yu06, ZA09, AEET09, eMH06b, AS05b, AKK06, AR09c, Arg09a, AT09d, BRW09, Bno07a, BM07b, BKB06, CS09a, Cou09, Dan06, DS08, DVCH06, Din05b, DZ09a, DJ07a, ESAD05, FT08, FH09a, FHM09, FFSS09, FZL07, FKM05, Fu08, GA09, GXgL05, GC09, GDA07, GS07b, GS08, GS06b, Guo06, GBR09, HCL08a, Has06, HLH07, HS08b, HVV09b, Hsi09, HZW08, JH08a, KD05, KYF05a, KYF05b, KRA08, KTH08, Kro06b, Lar08, LMR07, Li05c, Li06b, Li07b, lLzS07, lLpZ08, Li09a, pLT07, Lu07, LHW08, MW09a, Mar07a, MA09, Ned08, PT09a, PPR07, Pet09a, QZY09, Rad05, RA07, Sha09a, SZD09, SZ07a, Swe07b, TG07, TLQ08, Uje07, WWZY09, XH08, ZZ06a, ZZZ08, ZSWL09, Zhu05a, Zhu06]. **Some** [BBPR09, CCH06, CJ09b, CHY05, DL05, Dom07, DLG05, FH09a, Gin08, GM09b, HCL08a, He07, JK09, KLW07a, KLW07b, Kou08, Lei08b, LHM05, LmZbL07, LWC+06, LHL06, LZ06, LF08, MC07, Ma08a, Mon07, OS09, Pie09, Sch05, Shi07, ÁNPQ05, ABP06, AGRZ06, Att05, Bar09, BDS08, BJSS06, CGPM08, Cof08, CP07, FWZ09, Gar09, GJL08, HR05b, HL09c, JM07a, JG09, JM07b, JT09b, KK06, KK08, KCS06, MO07a, MMFMG07, MDSR04, MJ07, MC05c, Moi05, MB05, MS06b, Pet07b, RTGB09, Tab07, Vid05, Vol08, WZ09b, XW07a, dF07]. **Sommerfeld** [MCA09, SK06]. **SOR** [NK10, DKHNZ08, MYY06, NKM08, yS05, WHF07, Yun05b, ZhL08]. **SOR-type** [WHF07]. **sound** [KS07e]. **sound-hard** [KS07e]. **source** [ABV08, CHV+08, Dao08, DFY09, Gal09, HCDP08, JL07b, lLpZ08, LYB09, MM06, SJZY09, SJZ09, TRS07, TQA06, Wac05, ZSGF09]. **sources** [Du07b, SJ09, WHG07]. **sourcing** [LLS09]. **sp.** [MMS+09]. **Space** [AB07, ARG08, AMG07, BLR07, BS06, Bra07a, CHV+08, CG07, Fer07, GEK09, KDN08, LW06c, LLC08, MS07c, MM09, QW06, SAHS09, SLN08, Sin09, TG09, Thi09, YA07, ZL05, ZZZ06, Zhu08b]. **space-dependent** [ZL05]. **space-fractional** [ARG08]. **space-localized** [Fer07].

Space-time [AB07, BS06, QW06, ZZZ06]. **spaces** [AHL+05, AU09, AABL08, ACQ09, Arg09b, BN08a, Bac09, BMS05, BS05, Bou07b, BGG07, CAY09, CW08c, CQ09, Cim08, DCF06, DF08, Far06, FJG08, FD09, GS06c, GO07, HLH07, HL09a, Kam07, Kaz06, KBA09, KA06, KSS07b, yL08, OYA07, PG07, QCK09b, QCKK09, RS05e, SVC09, Sal09, WL06a, WYL09b, XH08, ZTY07, ZC08a, ZLL08]. **spacewise** [JL07b]. **Sparre** [GY08, YZ09b]. **sparse** [AKK06, Duf09, GM09c, LO08, YH09a]. **Spatial** [MCR08, BB09b, HH07b]. **Special** [BBF07, BBG05, Cla05, GD09, Nou07, Var07, VAW07, VK08, WS05, GPS09, Koç08b, Pet07b, SCM09, Wik08]. **species** [CT05, LOZ08, WW07, WF09, Won09a, YTM07]. **Specific** [Tac07, FPP08a]. **SPECT** [BBM07]. **Spectral** [AR09b, CT09c, DHM07, DBG07, EE06, Eng09, HKK07, JLNP06, KM09a, Lui09, SBO09, ZZ06a, AGM06, BSC07a, ByXy05a, ByXy05b, ByXy06, DG08, DAE05, DJ07a, DBR08, FPP05b, FPP08a, FPP08b, GGD08, GM09a, GGM06, HMPR07, Her09, HS06, HR05c, HWL09, KTH08, KW07, Koz08, Li08, LLT07, LC08c, MDT07, MH08, MCR08, VRBF07, WLY05, Wan07a, WGZ08, ZP06, ZM09a, jia09b, vOP07, HE06b]. **spectral-discontinuous** [LC08c]. **spectrally** [YW09a]. **spectroscopy** [SV07a]. **spectrum** [Cha07, Chi05, Coj09, Har06, KN06, OOO+07, Sie07a]. **speed** [BHJ05, Eds09, TFC07]. **Speeding** [GPRB05]. **speeds** [Dor09]. **sphere** [BDS08, KD05, LM07b, Sak09]. **spheres** [KSS07b, Sid05]. **spherical** [eMH06b, AG05, Car07, CM05a, DLROY05, KCS06, LMS08a, NP08, RR06, SBO09, WGZ08]. **spherically** [MDMRP09, ZGV06]. **spheroidal** [KM09a]. **spin** [KM06]. **Spiral** [AG05, WM09]. **spirals** [GM07a, MW09c]. **Spline** [PT06, AS05c, BISS05b, Bej06, DL08a, DP05a, DCF06, DZZT07, Far06, FO05, FOT07, GXZ06, Han09, JLR06, KGA08, KJ09, KKD06, LMS08a, LW06b, LLD09, LWLL09, LP06b, LW06c, LLC08, MST05, SH06, SA08a, SACJ09, WL06a, Wan08b]. **splines** [BISS05a, Bej06, Bou07b, CFL05, CJ06, CHNZ08, CGPS08, CMS08, DSI06, DL05, KJ09, KRA08, KP08a, KP08b, Liu06, LMS08b, Maz08, Müh06a, PR08a, PH09, PSV08, Rie06, Rom09, Ros08, Sab08, Sie07b, Sie08, SDV06, SDV07, UO09, WFL07, WF08, ZW06b]. **Splinoid** [DK05]. **Split** [RKK09, EZ07, MCA09, SBO09, Ter05, ZGH09]. **split-Gaussian** [MCA09]. **split-operator** [SBO09]. **split-step** [EZ07, ZGH09]. **Splitting** [HTS09, BB09a, Cas07, CHS08, DSC09, Dai11, FHZ09, FH09c, GZL07, Gei08, Gei09, GGP09, HYYF05, HWL09, HP07, JD05, JC09, KKW06, Koz08, Koz09, KMB09b, SS06b, TY07b, Wan07a, WWM07, WLMS08, Yun05b, ZZZ06]. **Splitting-based** [HTS09]. **spring** [HHZ07]. **Spurious** [AK07]. **SQP** [JTHZ05, bJQlZ07, Liu05, MZW06, XSP09]. **square** [BH09, CDV07, HR05a, LS06a, Log08, Mar07b, Möl07, OS06b, RB08, Sic08, SFPS09, Tay08, Toc05, YZL08]. **squared** [MvdMV06, SD06]. **squares** [BTI08, CR09, Cou09, DKHNZ08, DB08, DG08, DJ07a, GGD08, GRL09, JZW08, JSS07, KA07, MJB09, MV05a, RKK07, RKK09, SV07a, TY05, XZL08, XF07, YH09a, ZH08, ZSWL09, ZLDW09]. **squeeze** [BSKS07]. **Srivastava** [Tur09]. **SSE** [CGRGVP08]. **SSLE** [bJxC09]. **SSLE-type** [bJxC09]. **SSOR** [WHZ09, Yun08a, ZHG+09]. **stabilisation** [DRV08]. **stabilised** [BW07a]. **Stability** [AMCM06, CS06a, CS07a, CLGG09, CWW08, DaC05, Ela09a, FZL07, Fra05, FG07, GLdS08, Kot08b, LWMT07, LL07b, Luo08, MS08a, MI09, PN06, SCS08, SC06a, WYL09b, XGM09, YC06, YHH05, ZSZ05, AT07, BB05, BS05, BH09, BG07e, COEV05, CS07b, CXS06, CdAHBR06, DZ09a, Eds09, FL06a, FSL09, FI07, FL08b, FL09c, FL09d, GG09a, GSW07, Har05, HWSL05, HS06, HL07c, KTM09, LS06a, LmZbL07, LZY09, Li09b, LY09, Liu09b, LZ09d, Luo07, Mao07, MMS^{+}09, Moh07, Moh08, MK05, NPTH09, PDM08, Par05c, PT08b, PT08c, RB08, RS05c, RR06, SG05, Sav08, SLN08, Sin08, SW06a, SC07b, Tab07, TXZ09, TSC10, Toc05, TLQ08, VRL07, VAMVC05, Wan07c, WLS08, WLS09, XZL09, XLHZ05, Yan06a, YZL08, YH07, YY07c, ZS05, Zha08, ZG09]. **stabilization** [CK09a, XW05, YZ09a]. **Stabilized** [GLOS05, LY07a, ABP08, BH07c, HH07a, HL09b, LH08a]. **Stable** [Di 07, GG08, Huy09, NSK07, Sur05, ACR06, ABL07, BJ08, DWW06, DK06b, KD05, LCKK06, LW07, Lin08, MVVA06, Tsi06, Van06a, Van07a, GLOS05]. **stacks** [Dul08]. **Stage** [Tsi06, AG09, CS07b, Fu08, GPP07, GEK09, JD05, LC09a, LCH09, LL07a, LZZD09, NBSV08, Ver06, Wan08a, WLF09, XW06, YTM07]. **stage-order** [Ver06]. **stage-structured** [LC09a, LL07a, LZZD09]. **stages** [YY08]. **Staircasing** [BW07a]. **standard** [ARVP09, AKL05, CN08, LP06a]. **standing** [SC07a]. **star** [PVC06, VB05b]. **start** [CO05, MJB09]. **start-up** [CO05]. **Starting** [Ver06, AOSY05]. **startup** [WWP09]. **State** [IT07, MLOP06, BLR07, BG09, CCK06, GEK09, Har05, Hsu05, HL07c, JL07a, KV09b, LC08b, MY06, NPTH09, RW06, SLN08, TSC10, WLL07, WPC08, Wan09a, WYO09, YC05]. **State-dependent** [IT07, BG09, Har05, WPC08, Wan09a, WYO09, YC05]. **state-selective** [RW06]. **states** [MY08, Yan06c]. **Static** [VS08, AG05, SZ08b]. **Stationary** [HL07a, ZW09b, CMM09, DS09a, HH07a, Ko07, KKD06, MYY05, Mot06, NHN07, TY05, ZH09]. **statistic** [BdWG06, Men09]. **Statistical** [Hui05, KS07a, ABÇ06, KLS^{+}07, MM09, Tsa09]. **Statistically** [BP07]. **statistics** [HL09c, MPP07, SD06, Tup07].

stator [SS08]. **steady** [DD08, Hsu05, MS09c, WK08]. **steady-state** [Hsu05]. **steepest** [DS05b]. **Stefan** [JVVvdZ06, VV05b]. **Steffensen** [AABL08]. **stenosed** [ICW^{+}09]. **stenosis** [Dem07b]. **step** [ASL07, BJ07a, BJ08, BRW09, Bno07a, BW07b, CL09b, CEJ09, CCLS06, DWW06, DT06a, DF08, EZ07, FJT07, Fra06, HRGD08, JLR06, KD05, LC08a, Lar08, LW07, MC08, NBSV08, PJ06b, PJ08, RVA05, Roi07, Sic08, Sza05b, Van07b, Van09, VRL07, Ver06, Vil09, WSPJ09, ZGH09]. **step-size** [RVA05, Sic08]. **step-transition** [DT06a]. **stepping** [AS09b, GKMS09, LS06a, SW06a]. **steps** [Eds09, SB09]. **stepsize** [RVA07b, VAR06]. **Stewartson** [SJ09]. **Stieltjes** [Ber07, BHJ05, GPTT05, TMG09]. **stiff** [GPRB05, JF06, Sav09, SSV06, VMMM09, VR08, WYL09b]. **Stirling** [EKL^{+}07]. **STL** [RB06]. **Stochastic** [Gri09, HR09b, LFS08, Mar08, RLH09, TBBC07, XWT09, YSY09, AR09a, AK07, BB05, BH07a, BH09, BS07, BLP07, BW07b, CJB05, CJB06, Car06, CX06, CX07, DR08, FSL09, FR07, FN09, GS07b, Gin08, Guo06, HBS^{+}07, HMG06, HR09a, KS06, Kom07a, Kom07b, Kom08, LkLkP09, Lin09b, Luo06b, Luo07, Luo08, MSZ07, MYY05, MYY07, Mao07, Mer05, PDM08, PR08b, RB08, RLX08, RS05c, RHQ06, SA09, Sha05, Sic08, TBL09, Toc05, WLL07, Wan08a, YZL08, YWD09, YJY06, YG06, Zha08, ZGH09, ZZ09b, ZW09c]. **stochastic-flow** [Lin09b]. **Stochastically** [Luo06b]. **Stock** [GM06, CT09b]. **Stokes** [Dai11, ABP08, BIR09, BH07c, CMX09, CLA09, DC08, DSC09, DMZ08, FLPA09, FH09c, GRW08, Göt05, GS06c, HH07a, HL09b, How09b, KDN08, Khu06, Koh07, KKD06, LY07a, LH08a, LY07b, Mot06, NHN07, Oga06, OS07b, SST09, SS08, VVE08a, YM08, YWD09, YXJG08, YXYJ06, ZH09]. **Stokes/Darcy** [CMX09]. **stopping** [MSE08]. **storage** [ACV05].

Storey [Zha09b]. **Störmer** [RVA05]. **strategies** [CP07, LP07a, Lin08, NGS05, PLGS09, Sav08, Ver08, YSY09, vdESvG05]. **strategy** [BJK09, BKB06, DWY09, EM08a, GY08, LWS09, LTC06, LXSH09, SS09a, Scu09, YZ09b, YW09a]. **streamfunction** [Fai07]. **streamline** [CWW08, HPS06]. **stretching** [EKEHR08, LO08]. **strict** [CAHAY09, JTHZ05, WCH05]. **strictly** [ACQ09, THC08]. **strike** [Hug06]. **striped** [Smo06]. **Strong** [BLP07, HK07b, QCKK09, TGJ19, BS09c, KYF05a, KYF05b, KS06, MS06a]. **strongest** [Ata07]. **strongly** [CS07c, bJxC09, KMB09b, VMV07, VDV08, Xu07a]. **Structural** [GVC+08, BC09a, Mar07b, SRP08, Yua08, YD09a]. **Structure** [CFMR08, LW06c, sR07, BGP09, CS07b, CK07, CHLW08, ÉT08, Hat09, Ko07, Koo07, LCH09, LLC08, MS07a, MD08, RK08b, SBK07, VDV08, WLF09, XW06]. **structure-preserving** [CHLW08]. **Structured** [DW05, DW06a, WMG08, WA08, XW07a, DV08a, DV08b, Du07a, Gra06, KOS07, LLZ08, LC09a, LL07a, LM08, LZZD09, MV05a, MVVV06, NP06, YTM07, Zha08]. **Structures** [DV06b, DV06a, Jay07, Lai09a, LCZ09, SAHS09, YH05, YWH05a, YWH05b, ZT06a]. **studies** [Nig07]. **study** [AEET09, ABÇ06, BDY09, BSC07b, BGP07, BDL09, BNDN09, CJCD07, Car07, FH09b, Koh08, NSK09, RVM08, Tup07, Var07, ZL05, ZZZ06, ZTG09]. **Sturm** [AGM06, ABI07, BV06, BBB07, BSS08, CKWZ07, Cha07, Cha08, CW08d, FPP05b, FPP08a, FPP08b, GGM06, Liu08b, MJ08a, Sim07b, SO05, WWW08, Won05, Yüc06]. **style** [ABG06a]. **sub** [bJxC09, MP07, Mus09]. **sub-diffusion** [MP07, Mus09]. **sub-feasible** [bJxC09]. **subcovariance** [NL05]. **subdiffusion** [LYB09]. **Subdivision** [NP08, CS08, CGP07, CJ08, DS09a, GP08, MCD06, PS08, Rom09, SLZ06, XY05, ZC06]. **Subdivisions** [LP08, CJ06]. **subgrid** [Joh05]. **Subject** [Ano05-41, Ano06-38, Ano07-41, PP08, WTZ08]. **subjected** [Kas06]. **sublinear** [EBP09]. **submatrix** [yPlH05, YD08]. **submerged** [MOZ07]. **subproblem** [DS05c, SS09c]. **subproblems** [bJyKyZmT09]. **subsets** [EE06]. **subsonic** [CMRS06]. **subspace** [BJSS06, DGR07, FLMR07, SX09, XZ08]. **subspaces** [Den07a, GPV05, MVV08, WZ09b]. **substances** [LC09a]. **Substructuring** [WDC+08]. **successive** [BT09, MLY07]. **successively** [Wu08]. **suction** [BeMBH06]. **sufficient** [BGG07, CHY05, HW07]. **suitable** [GZLL09]. **suited** [OOM+07]. **sum** [Ism07, Par09a, SW08, SDP09]. **Summation** [Cof09b, CJ07, DMS05, HHST05, Mil09]. **summations** [CHM06, MS05b]. **sums** [FH07, Par05a, Par08a, VCD+08]. **Super** [ABB+07c, RO07, BCP07]. **Super-attracting** [ABB+07c]. **Super-fast** [RO07]. **super-resolution** [BCP07]. **superconductors** [Slo08]. **Superconvergence** [Bi08a, DL08c, xLLhZ08, Xio07, YG09b, ZWY09, ZLZ09b, LY07b, MCR08, ZC08b]. **Superconvergent** [WSPJ09, BF05, CYM08]. **superlattices** [DBE07]. **superlinear** [AK09, LYW08, YOY07]. **Superlinearly** [KK08, bJxC09]. **superpositions** [AI06]. **superquadratic** [Sha09a]. **supervision** [Pit09]. **support** [BCK07, EL06, GHMPV09, Jai06, TMOG07]. **supported** [LP08]. **supports** [Liu06]. **supremum** [GP07]. **sure** [PDM08, RS05c]. **Surface** [SNV06, eMH06a, AE07, Ben06, BG07c, BGG08, BG07f, CW08a, CCLS06, EKEHR08, GLS07, GGP09, HMH08, IV06, IV08, RB06, SC07a, SLMW06, TK07, WK08, XF07, ZX06]. **surfaces**

[BFGP08, Bra07a, CKWZ07, CM05a, DP08a, HW08, KCS06, KLLP06, KP07, Lu09a, MCD06, Sid05, WLL06, Wri08, rWlC06, XFgS06, XW09, ZC06]. **surprising** [CV09]. **surrender** [VV09a]. **surrogate** [WC08]. **survey** [CD07b, DG05, MGV07, Nou07, PPR07]. **survival** [CT05, DD07]. **susceptibility** [VV05a]. **SVEIR** [WJS+09]. **swarm** [LW08a, YW08]. **switch** [VJ09]. **switched** [MLOP06, XW05]. **switching** [DBE07, LkLkP09, LJM09, MYY05, MYY07, YG06, ZW09c]. **Sylvester** [BLT09, BJ07b, HYC05, LLZ08, ZLDW09]. **Symbolic** [BBD06, FT08, CN07, HHST05]. **Symbolic-numeric** [BBD06]. **Symmetric** [DKHNZ08, ZFG08, ABG06a, AV06, ADÓ07, BW06, BXC09, BBR05, CFMR09, CK08, DM05, Duf09, ER07, GHZ06, GQ09a, GGA08, HYYF05, HYG08a, KV05, MDMRP09, MJ08a, MN07a, Sen07, SZ07a, TV07, VMV07, XZL08, YY07a, YD08, YLW09a, Yua09, ZhL08]. **symmetrical** [GMFB06]. **symmetries** [JKM09]. **Symmetry** [LV07, Tac07, BFT07, LLZ09, MPP07, NSS06, Wil06, vOP07]. **Symplectic** [KHWF09, SEAA08, CFMR09, WNZ09]. **symplecticity** [CLM06, DT06a, FJT07, IT07]. **Synchronization** [LY09, LC08b, BSC09, NaLH07, Par08b, SS09a]. **Synchronizing** [ZMAZ09]. **syntactic** [PPG07]. **System** [AU09, AT09a, BF05, BBSV08, Bra07a, CS07b, Cim08, CT05, DW05, DF08, DC09b, Du07b, DL09b, FL06a, FD09, GL07, GBR09, HC08, HM08, HHZ07, HZW08, JDG06, Jai06, Kar06, KBA09, Koh07, KS05b, KBB05, yL08, Lan08a, LJM09, LOZ08, zLCgS06, LC06b, Liu09c, MW07, MS09a, Min05, NS09a, OS07b, Par08b, PZ08, Siv09, Śmi07, SM09, TRS07, TBL09, VG09, WNZ09, WW09, WLF09, Wan09a, WD05, WW07, Wil06, Won05, Won08, XW06, XWT09, YC06, ZGV06, ZCS06, Zha08, ZZZ09, ZM09b, ZZ08b]. **systematic** [ADLT09]. **Systems** [Art09, FC09, SRP08, AKK06, ABI07, Aue07, Bac09, BW06, BSMT09, BC08, BBD06, BY09, BS07, BMC09, BJSS06, BFM09, CJCD07, CLP08, Cao08, CC08, CMST06, CGRGVP08, CKC+07, CZ09, CHS08, CXH09, CMT09, Cou09, CHY05, DaC05, DL08b, DLROY05, EM06, EZ06, ÉT08, EM08c, FLMR07, FHM09, FPO05, FKM05, FG07, FL08b, FL09d, GDM08, GSW07, GGT07, GXgL05, Gia06, GLdS08, GM07b, GM09c, GT09, GQ09a, GF08, HWSL05, HNS09, HS08b, Hos09, HL07c, HSL08, HGS06, HMT09, bJyKyZmT09, JL06b, JH08a, KM06, KK08, KMVWY09, KRAH07, KR07, Koh08, Kok05, KT07b, KMB09b, KTM09, Lar08, LRV+09, LZ05, Li05c, Li05b, Li05d, LmZbL07, LCA07, LWMT07, Liu09b, LM09b, LRT06, LY05b, LL07b, LHR09, LHL11, MZC08, MS08a, MSB05, May07, MGS08, MDB06, MLH08, MSA09, MK07, MS07d, MLOP06]. **systems** [MN07b, NSK09, Ned08, NKA09, NaLH07, OOM+07, PKS+09, PT08b, PN06, PK07, QCK09a, RB08, Roe08, RO07, SG05, SLN08, SZ07a, SSZ09, SL08, STB09, SCY09, TR06, THC08, Tup07, WCH05, WHF07, WLL07, WZ08, WYL08, WZ09a, WCW09, WWM07, WF09, WL07, WH09b, WHZ09, WZS06, XDW05, XW05, XZL09, XXL08, XX09, Yua08, ZhL08, yZXL09, ZLZ09b, ZJ12, ZLL08, ZSZ09, Zho09b, Zhu05a]. **Systems-based** [FC09]. **Szego** [GM09a, JR07, NSL07, Pet05, SL05].

T [CSG05, ZBB+05]. **T-lymphocyte** [ZBB+05]. **tabu** [XC08]. **tail** [CV06]. **tailed** [Sen07]. **tails** [GA09]. **talks** [Ano05o]. **tangent** [KLLP06, Lu09a]. **Tasso** [SWZ09]. **tau** [DAE05, KW09, AT09a, GK07, Hos09]. **Tau-functions** [GK07]. **Taylor** [AZGN06, Asa05, CN07, GNS06, GS06b, MO08, Roi07, SAD07, Toc09, TMG09, XTZ06, Zha07]. **tearing** [NS09a]. **tearing-based** [NS09a].

technical [HL09c]. **technique** [AETE07a, CLA09, DH09, DEMR08, Dul08, FH09c, GBR09, HK08, JZW08, KM06, KCLW08, LYB09, MLY07, OS07c, Pet09a, SBO09, SK06, VT06, VVE08b, WZ08, YW08, YP08, ZLYW09, Zhu05a, Zhu06]. **techniques** [Ban08, CMX09, CK09a, CKC+07, CHSW08, CHV+08, EM08b, FL08a, GPS09, KMB09a, KLS+07, Lia05, NMKS09, PK09a, TBL09]. **telescoping** [CHM06]. **temperature** [KSE09, XF07]. **temporal** [LB07, ST05]. **tensile** [DK06a]. **tension** [Bou07b, Rie06, TK07]. **Tensor** [Arp07, DP08a, Joh05, KJ09, Lu09a, SLMW06]. **tensor-product** [KJ09]. **tensors** [QWW08]. **term** [AEET09, AR09c, BSS09, Ext99, Fin08, FC09, KHWF09, LV06, LYB09, LLW09, Mil06, MSP08, TRS07, Tan06, ZSZ09]. **terminating** [CJ07]. **terms** [AML07, ABV08, FI07, Koi05, lLpZ08, LZY09, LZ09d, MS05b, VVE08a, VC06, Wac05, Xio07, ZS05]. **Test** [GK08, Alo07, HK08, Kan05, MPP07, MRV09, MK07, PS07b]. **Testing** [CV06]. **tests** [HE06b, KRAH07]. **tetrahedral** [PR05]. **texture** [vdBHPS07]. **th** [BB05, CKWZ07, Dub09, FWY09, FSL09, JG09, LRH07, LZ09c, MW09b, Luo07]. **their** [BM07b, CK09a, CZ08b, DGS06, Eig07, GG09a, GF08, LHM05, LZ06, pLT07, MC07, Ma08a, MJ07, NH08, OW06a, SP09a, SRB06, TYZ+05, WC07, WS08, WD05, XDW05, XTZ06, Yua09, vdBHPS07]. **theorem** [AAZ06, BC09b, CLO09, CBGV05, EST07a, GP07, HL09a, Hu05b, LW05a, Liu09a, MJ08a, NK10, PK09b, SVC09, yS05, Van08, VV06, VZ08]. **Theorems** [ZZL08, BS09c, DJ07b, FG08, FL08b, FL09d, HL09a, HSL08, Kaw07, LOA05a, Mai08a, NS09c, QCK09b, QCKK09, Swa06, Tem09, WWM07]. **theoretic** [KGW09, RM07]. **Theoretical** [Gon06, LmLgF09, ADLT09, CP09a]. **theories** [LB07, WWP+08]. **Theory** [Gao06, HCK07, XZL08, ABI07, Cak07, DIKZ07, FS07, Gao05, GM09b, MS07d, RW06, SHB05, Tab07, Zho08]. **thermal** [BGRS05, BM08b, CYZ09, Dor09, FZ08, SSW09]. **thermally** [RVM08]. **thermo** [KS07b]. **thermo-elasticity** [KS07b]. **thermoelasticity** [Swe07a]. **thermoviscoelastic** [Cop05]. **theta** [Sch05]. **Thiele** [ZT06b]. **Thiele-like** [ZT06b]. **thin** [Bou07b, CH09, FTT+05, PSV08, VV05a]. **thin-plate** [PSV08]. **thin-wire** [FTT+05]. **Third** [JYX07, LZG+09, ABP06, ABB+07c, CS06a, Chu08, EPS05, HAS08, Kar07, KSS07a, Koç08a, Koç08b, SS09b, Sun08, Wei09, YW09b]. **Third-Order** [LZG+09, JYX07, ABP06, CS06a, Chu08, EPS05, Kar07, Koç08a, SS09b, Sun08, YW09b]. **Thomas** [Jen07]. **Three** [BRW09, Gal09, MP06a, NVD08, Wan08a, BISS05a, BJ07a, Bej06, Bra07a, BG07f, CP09c, DCZ07, EKEHR08, FG09, Har08a, He05, HR05b, Hon07, KD05, Kar07, LV06, LCZ09, LLT07, MJB09, Oga06, OA06, RVM08, SK09b, Sun08, SLZA09, SS06c, THS05, WGZ08, WF08, Wei09, Won09a, WDC+08, YTM07, Yas07, Zha09a, ZWF09]. **Three-dimensional** [MP06a, BG07f, FG09, Har08a, LCZ09, LLT07, Oga06, OA06, RVM08, SS06c, THS05, WGZ08, WDC+08, ZWF09]. **three-direction** [BISS05a, Bej06]. **three-field** [DCZ07]. **three-level** [KD05]. **three-parameter** [MJB09]. **three-point** [He05, Hon07, Kar07, Sun08, SLZA09, Wei09, Yas07, Zha09a]. **three-species** [Won09a, YTM07]. **Three-stage** [Wan08a]. **Three-step** [BRW09]. **threshold** [DWY09, GY08, JZK09, LWS09, LXSH09]. **threshold-type** [JZK09]. **thresholding** [FP08, LM07a]. **Tight** [CS08, LL06]. **Tikhonov** [BJ07b, LR09, QWS09, RH09]. **Tikhonov-regularization** [BJ07b]. **tilings**

[Rho05]. **Time** [DDLM07, FHtMP06, Lin09b, SZ08b, ARG08, AR09a, AFT+07, AS09b, AB07, AGH06, BGV+09, BS06, BB09a, Cas05, yCyZ08, yCyZ09, Che08, CEJ09, CH09, CP09b, DaC05, DFLP08, Dul08, EIM+09, EPS05, EBP09, FS07, FR07, FZL07, FG07, FL09c, GDM08, GSW07, GZL07, Gei08, GKMS09, GRW08, GAR07b, HY09a, HJK09, HLX06, He05, HRGD08, Hei05, HO06, HMG06, Hon07, HGS06, IV07, Jac06, JW08b, KGA08, KKW06, KS09, Koz08, Koz09, Kro06b, LS06a, LMZ08, LZY09, LY09, LZ09b, LZZD09, LN07b, LP09, LLT07, LC08c, LRB05, Ma06, MZC08, MS08a, MGMTO06, Moh08, Nig07, PW08, PT08b, PRGPS09, PN06, PP09, QW06, Qiu07, RTGB09, RR06, RS05e, SG05, Sak05, Sak06, SST09, SW06a, SP06b, SC06a, SBO09, SF06, SL08, TCMS06, TYH08, TXZ09, VRL07, WLL07, Wan07a, WLF09, WJS+09]. **time** [XC08, XLHZ05, XW06, XX09, XGM09, Yas07, YJY06, YSYX08, YY07c, YW09b, YHH05, ZS05, ZZZ06, ZW09b, ZZL08, ZL09b]. **time-delay** [GSW07, HGS06]. **time-delays** [MZC08]. **time-dependent** [CEJ09, GRW08, JW08b, KGA08, KKW06, LC08c, Ma06, Nig07, PRGPS09, PP09]. **time-discrete** [Kro06b]. **Time-discretization** [SZ08b]. **time-domain** [CH09, Dul08, GZL07, Hei05]. **time-extrapolated** [FZL07]. **time-fractional** [AR09a, GAR07b]. **Time-harmonic** [DDLM07, DFLP08, LN07b]. **time-independent** [Nig07]. **time-periodic** [RR06]. **time-splitting** [BB09a, Wan07a, ZZZ06]. **time-stepping** [LS06a, SW06a]. **time-varying** [FG07, LMZ08, LZY09, LY09, PT08b, PN06, SC06a, TXZ09, YSYX08]. **times** [ST05, WWP09]. **Timoshenko** [lLzS07]. **tip** [WCL08]. **tips** [Kru05]. **Toda** [BG07b, CK07, WHG07]. **Toeplitz** [LHL11, AEBEK09, ÁNPQ05, BGGC07, DHM07, GT09, KV05, MGS08, NP07, TM09, WL09a]. **tolerance** [CGPM08, CPM+05]. **tomography** [Qui07]. **topics** [Art09]. **topographies** [AMO07, AMO08]. **topological** [AHM09, Aki08, Aki09, FHL07, Gu07, HO07]. **topologies** [Sal09]. **topology** [DMZ08]. **TOPSIS** [Iza09]. **tori** [RD08]. **Total** [JSS07, HL08, MV05a, Pit09, WC07, WA08]. **Totally** [CGP07]. **toxic** [LC09a]. **trace** [How09b]. **trace-free** [How09b]. **tracking** [HPS06, JKM07]. **trade** [NSK09]. **trade-off** [NSK09]. **traditional** [NP06]. **traffic** [BNP07, HKS07]. **trains** [CHLW08]. **trajectory** [GF08, LFS08, LFW09]. **transaction** [JRM09]. **transcription** [CM07]. **Transfer** [KM06, Den09, Eds09, GS07a, GKMS09, HeM05, Lan05, WLMS08, ZGV06]. **transform** [CDM07a, CZ08a, CDMR07, CDM07b, EM08c, EK07, HV06c, Jan09, KM09a, KR08, LÅH08, LM08, TRST09, TX07, ZYLY09, dB05b, vdBHPS07]. **transformation** [BD07, CEF08, Eba09, Ehr06, EJ07, Koç08b, LO08, LZZ09, Mil09, MNMS05, NMMS05, NMM07, Par05b, Vul07, WHG07]. **Transformations** [CZ08b, Vid05, Ahm07, CMRS06, DHM07, GM09a, LV06, LV07, LW08b, SEAA08, Sid05, Sid08, Ter05, Wat06, Xia05]. **Transforming** [PC05, DK06a]. **transforms** [BNP06, MH08, MS08b, PK09a, PT08c]. **transient** [Alh06, KDN08, Ste07, TLQ08]. **transients** [AFT+06]. **transition** [DT06a, ÉT08, HS09a]. **transitions** [Min05]. **translation** [Xu05a]. **transmission** [DCZ07, MDP08, RS08a]. **transonic** [DRT09]. **Transport** [PP08, CJ09a, DP08b, MMM08]. **transportation** [CW08b, ZMAZ09]. **Transpose** [YB05]. **Transpose-free** [YB05]. **trapezoidal** [Rza09]. **trapped**

[KHWF09, MOZ07]. **traveling** [ZCH07]. **travelling** [CHL09, KBB05, LWW08]. **treatment** [ABD+05, CLGG09, DL08b, FS07, GM07c, Koi05, MDMRP09, RKAH07, SL09, WLK06, WKL06]. **tree** [FFK05, Koi05, LM08, NQDJ06, Sak09]. **tree-code** [Sak09]. **tree-structured** [LM08]. **Trefftz** [LLM08, Li07b]. **tri** [Yan06a, Zud07]. **tri-logarithms** [Zud07]. **tri-neuron** [Yan06a]. **triangle** [LW06a, Tay08]. **Triangular** [ZX06, Bi08a, CW08a, HW08, KMB09b, MS09b, Śmi07, XW09]. **triangulation** [LW06c, LLC08, WOK05]. **triangulation-based** [WOK05]. **triangulations** [BDS08, CHNZ08, DL05, Far06, MB06]. **tridiagonal** [ÁNPQ05, KT07b, MGS08, Ter05, dF07]. **Trigonometric** [GJ08, VV09b, DWW06, Han05, NSC07, Xu07b]. **trigonometrically** [FSW09, PS05]. **TRIOPT** [WOK05]. **Triple** [Hon07, Wei09, Sun08]. **trivariate** [LWC+06, SLMW06]. **true** [LB07]. **truncated** [BS07, BG07d, Moh09, ABG06a]. **truncated-CG** [ABG06a]. **truncations** [Zha07]. **trust** [MLY07, OZL09, QZZ08, QZY09, SS09c, SG08, SX09, SP09b, YLW09a, Zho09a, Zhu05a]. **trust-region** [QZZ08, YLW09a, Zhu05a]. **Tsuzuki** [WG09]. **tube** [WLMS08]. **tubes** [Dem07b]. **tubular** [HKB+05]. **tumour** [KS07f]. **Turán** [MS05a, MS07b]. **Turán-type** [MS05a, MS07b]. **turbomachines** [Las08]. **turbulent** [CdVT07, DFHS08, SSW09]. **turning** [AHC05, CWW08, MN07a, Yan06b]. **tutorial** [MGV07, Sau08, VRSS08]. **TVD** [TS06a]. **TVD-type** [TS06a]. **twice** [Hu05b]. **Two** [AS05a, CYB09, CHJL08, CV05a, DCZ07, Jan08, Kim05, lLpZ08, Spr06, TF07, Ter05, Wil06, WL07, ZZ08a, ZM09b, ZH09, AB09b, Ban05, BJ07a, BJ08, Bra07b, CFHM06, CM05b, CMST06, CCW+09, CKT09, CN07, CG07, DC08, Den07a, DMGVP05, DZ09b, DL07a, ER09, Ext99, FY06, FPP05a, FPP07, Fin07, Fra06, FT05, Fu08, Gao06, GZL07, GPP07, GEK09, GPTT05, GZ05, HS09a, HZBM06, HS07b, HK08, HVV09b, HYC05, HZ05, HV06c, JLR06, Jan09, JD05, JL06b, Joh05, KD05, KCK06, LWW08, LW06a, LW07, LH08a, LCYZ08, LBS09, LXUK06, LZ09d, LN07b, Lu07, LXSH09, MDT07, Maz06, MW08, MW09c, Mil06, Moh05, MS07c, MD09b, MS08b, NWW08, NaLH07, OS09, Rad05, RAG07, Roe08, SB09, SAHS09, Sav08, SSMB07, TRS07, TTZ06, Tan06, TS08, TG09, TRST09, TR07, TR08, Thi09, TG07]. **two** [TK07, TQA06, TANT09, VRBF07, Van07b, Van09, Ver06, WT07, WSM+09, WSPJ09, WLK06, WKL06, WWP+08, XZS07, XX09, Yan06b, ZS05, ZLY09, ZBL08, ZL07, ZL09b, ZKSS06, dMFPP07]. **Two-** [DCZ07]. **two-dimensional** [Ban05, Bra07b, DZ09b, DL07a, Gao06, HZBM06, HV06c, Jan09, JL06b, KCK06, LN07b, MDT07, MD09b, Rad05, Roe08, SAHS09, SSMB07, TTZ06, TS08, TG09, TRST09, TG07, TQA06, TANT09, VRBF07, WLK06, XZS07, XX09]. **two-directional** [LBS09]. **two-factor** [LCYZ08]. **two-fluid** [OS09]. **Two-frequency-dependent** [Kim05]. **Two-grid** [CYB09, CHJL08, DC08]. **Two-level** [lLpZ08, ZH09, MS07c]. **two-objective** [FY06]. **two-phase** [ER09, HS07b, TK07]. **Two-point** [Jan08, CM05b, CN07, CG07, DMGVP05, Fin07, HVV09b, Lu07, MW08, MW09c, WKL06]. **two-sided** [GPTT05, HYC05]. **two-space** [MS07c]. **two-stage** [Fu08, GPP07, JD05]. **two-step** [BJ07a, BJ08, Fra06, JLR06, KD05, LW07, Van07b, Van09, Ver06, WSPJ09]. **two-term** [Ext99, Mil06, Tan06]. **two-variable** [LW06a]. **Two-weight** [CV05a, Maz06]. **Twostep** [CX08]. **Twostep-by-twostep** [CX08]. **tying** [DB08]. **type**

[AEBEK09, AMG07, AABL08, AGRZ05, AGMMB05, BS08a, BB05, BFGP08, BdWG06, BBSV08, BGG07, CRS05, CFMR09, CC06a, CC08, CR09, CKC+07, CX06, CX07, CHS08, CZ08b, CX08, CD06, DL05, Dan06, EL07, ÉT08, ELA09b, FT08, FHH08, FLS08, FLS05, FL09b, FL09d, GU08, Gin08, GPRB05, GOT06, GMFB06, GS08, GO07, HWY09, Hoc08, Hom05, Hom09, HSL08, HZW08, HS05, IL05, JZK09, JK09, bJxC09, JKM09, Kam07, KG09, KTH08, KV07, KW09, Kor06, KMB09b, yL08, Lei08b, LHW07, LmY08, LH08b, LCH09, LKSC06, LY07b, Liu08a, LHR09, Ma08a, MB06, MLL09, Mai08a, MYY07, MP08b, MJ08b, Maz06, MLH08, ML09, MS05a, MS07b, NK08, OOO+07, Oou08, Par05b, Par07b, Par07a, Ped09, Pie09, Qiu07, RVA07a, RVA07b, sR07, RAG07, RS05d, Rza09, SHK+08, TS06a, TG09]. **type** [Tsi06, Van08, WHF07, WHG07, WHL08, WSM+09, XZZ09, XL07, ZYD07, ZJW08, Zha09b, ZT07, dB05c, dB05b, dB05a, jia09b, AHS08, Ant09, KSVW07, LWH09a, Slo08]. **type-** [DL05]. **Type-I** [AHS08]. **type-II** [Slo08]. **types** [Gal09, LWW08, MB05, WF08].

Ulam [Par05c]. **ultra** [DM07b, HKM08]. **ultra-weak** [DM07b, HKM08]. **ultradiffusion** [Mar08]. **ultraparabolic** [Mar09]. **ultrashort** [KD05]. **ultrashort-pulsed** [KD05]. **ultraspherical** [DAE05]. **un-reliable** [KL08a]. **unbalanced** [EL06]. **Unbounded** [YOA06, CWMT07, EZ06, ELA09b, HZBM06, JM07a, JW08b, Moh07, ST07]. **uncertain** [GSW07, GVC+08, KRAH07, MZC08, Neu08, Par08b, PT08b]. **uncertainty** [CKC+07, KKS+07]. **unconfined** [KY07]. **Unconstrained** [BT09, And09b, DEMR08, LTW07, OZL09, QZZ08, QZY09, SG08, VL06, WYL09a, YP08, YLW09b, Zha09b, ZZ09c]. **unconstricted** [Far06]. **undamped** [Yua08]. **underdetermined** [FKM05]. **undergoing** [FN09]. **underlying** [LWH09b]. **Understanding** [Maz08]. **underwater** [MOZ07]. **underwear** [LL06]. **Unified** [GM07c, WF08, BH07c]. **Uniform** [BR07b, BH07b, Dun06, HS09b, MM07, ZZ06b, AK07, BISS05b, BFGP08, NVD08, OS07c, SM09]. **uniformities** [FIR06]. **uniformization** [AKLT09]. **Uniformly** [LP06a, SH09, AU09, DF08, GL07, KGA08, RVAD08, ZLLW08]. **union** [PV09a]. **Unique** [Jai06]. **Uniqueness** [CLS08, TQA06, CXS06, DS07b, Fin08, HWY09, LFHW09, LJL06, MN07a, RLX08, ZL07, ZSZ09]. **unit** [BCGA05a, BR09, BDGV09, CBGV05, CBDGVN07a, CBDGVN07b, Ext99, Khr05, Mar07b, Mil06, PD06, Pet08, PVC06, VV09a]. **unit-linked** [VV09a]. **Unitary** [DV08b, DV08a, Gem05]. **units** [WY07, WYW08, WLL09]. **unity** [dB05b]. **Univalency** [BNP06]. **Univariate** [Liu06, CFL05, FDC08, GXZ06, Win06, dS07a]. **univexity** [Jay08, JK09]. **unknown** [DFY09, Luo06a, PS07b, Xu08]. **unreliable** [CKT09, TYH08]. **unstable** [Soh05]. **Unsteady** [ICW+09, eMH08, BeMBH06, DD08, DL07a, EKEHR08, KCK06, Kas06, Rad05, TG07, YXYJ06]. **unstructured** [GWG08, MK09, SS08, TS06a]. **unusual** [EMMP07, MS05b]. **UOBYQA** [VB05c]. **update** [Cho08]. **updated** [Wu08]. **updating** [XZL08, Yua08, YD09b, YD09a]. **Upper** [BS07, LOA05b, xMzY09, Mor07, YOA06, ZCL06, COEV05, DSW08, HYG08b, QGC08, Shi07, WYS09, YG09a]. **upwind** [DD08, WSST05, YLSX06]. **USAOR** [LH07b]. **use** [BCP07, Duf09, Gar07a, HKK07, Jay07, MD09b, Par07b, Par07a]. **used** [AMCM05, BBPR09, EJ07, FGRW09]. **uses** [CDMR07]. **Using** [Iza09, ZZ09b, AETE07a, Abb07b, AH07, And09a, Asl10, Ass09b, BM08a, BS08a, BS09a, BP06, BDL09, BCK07, Bra07b, BKT07, BSS08, CGRGVP08, CHXL06, CN07, CS09b, CHV+08, DSI06, DM07b, DH09, DS09b, Dmi08, DFLP08, Dor09, DT06b, DMZ08, EM08c, Fin07, FL06b, FL08a, FHL07, GMFB06, HKB+05, HE06b, How09a, How09b, HLY09, JDG06, Jen07, Kan05, KJ09, KK06, KKLY06, KC07, KM09c, KLV09, LL01, LÅH08, LLD09, LB07, MJX09, MDT09, MSTT08, MJ08a, MJ08b, MD08, Mat08, MCA09, MR09, NMKS09, PLGS09, PSV08, RH06, SA09, SH06, SK09a, SA07b, SACJ09, Sto05b, TMOG07, TGB08b, VRBF07, VLR08, VVE08b, WY07, WGZ08, Wil07, Wil06, XHK+08, YW08, Yüc06, YKS09, YXYJ06, Yun05a, ZMAZ09]. **utilizing** [WWWF09]. **Uzawa** [Wan09b].

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