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$(1+1)$ [UKI11, Ade16]. $(1+3)$ [LL10a]. $(1+\alpha)$ [BMA11]. $(1,1)$ [CBS18]. $(2+1)$ [Abd18b, AA15, GMZ15, GTZ19, KKK15, KTK18, KT18a, LM19a, LCW19, LGZ19, LTJ+16, zLYmL18, zLZ19, LWW19a, MYZ18, MCF18, ML19a, MGS+14, MPfTX18, Osm18, RKSA18, RS18a, Ray18, RMY19, WZMY18, YTD+18, YGS+16, ZYSY17, ZTSC16, AK16, Ade16, DYH11, KSG11, Kuo18, LK15, LMMF17, MZM18, MK17, Ray17, RRO17, WWD18, XX10, YYLW19, YTS+17, ZA15, ZZ11b, ZDM11]. $(3+1)$ [AGT19, BM18a, BB08, CTSX16, CZ15, CZ18, DTYZ18, GZD18, GABC16, HLLM19, HTM18, Her19, HTY+19, HTWS15, HYC18, KK19b, KK19c, LDL11, LM18a, LZL19, Liu18a, LZM18, LYC+19, LWW19b, LXY19, Man18, Men18, PTZ19, QTW+18, SR17a, SG10b, TZ15, TTX+16, Üns18, YM17, YMLL18, YTL+18, YHC18, ZSAN19, ZDZY17, ZLT18, Asl11, LD11b, LL16d, SR15, WTYZ17, ZM17a]. $(3+\alpha)$ [LHD18]. $(4+1)$ [AAEG17, TDXQ18]. $(A)(C,\alpha)$ [EÇ10]. (α,β) [ADA11, SJN10a, DSA09, Jun10]. (α,m) [ÖAK11]. $(AXB,CXD)=(E,F)$ [ZWLZ18]. (C) [KT11a]. $(C,1)$ [Çan11a]. $(\epsilon_\gamma,\epsilon_\gamma\vee q_\delta)$ [MZJ11]. (F,α,ρ,d) [GKS10]. $(\frac{G'}{G})$ [MCKM12]. $(\frac{G'}{G})$ [JKB11, GMZ15, KBA11, SG10b]. $(H(\cdot,\cdot),\eta)$ [WD10]. (h,q) [Sim10]. $(\in,\in\vee q_k)$ [SM11]. $(\in,\in\vee q)$ [ÖI12]. $(\in,\in\vee q_k)$ [SJN10b].

(L, M) [Abb10]. (m, n) [Dav10]. $(n + 1)$ [FYYT11]. $(p, 6)$ [BFG11]. $(p, 8)$ [BFG11]. (p, q) [BD11c]. (ϕ_1, ϕ_2) [WZF16]. (ψ, ϕ) [ĆSCD11, SS11c, AKS11, APS12]. (q, h) [Rah11a, Rah11b]. (Q, R) [MM11]. (R, S) [DH10b, XC16]. (t, n) [ZPWY12]. (T, S) [SR12]. (w/g) [Gep16]. + [Laz10]. 1 [DPM15, GDM13, KPG18, OVV+16, Oru17, WFY17, Was13, WY15]. 1024 [CSCM13]. 13 [DDD10]. 14 [ZSW15]. 18 [ZSW15]. $1 < \alpha < 2$ [SW12]. 2 [ATO19, ALHZMC+19, AY18, BMRA10, BPC17, BP18, BR12d, BC17, CKMR11, CLL19, CL15, DN18b, DA18c, DFP+13, EAEH18, FST19, FVVS16, FF15, FES+19, Gha17, GR19a, HHS+17, HHGA19, KYR15, KYW+18, KKVS19, KPG18, KV18, LXZ18, LL19b, MLL16, Ma18b, MDG19, Oru17, PLMS14, RCG15, SJL+19, SHH16, SEM13, SAU11, Wan18, WZC+19b, Wen18b, WFC16, Ye16, Ye17b, YKKS10, YT13, YWT18, YQ18, ZN18, Zha11b, ZZLB18, ZZG19, ZWH+19, ZZL15, dVLV18]. $2D + t$ [GV11a]. $2\frac{1}{2}$D [LL16c]. $2n$ [Yan11d]. 3 [AY18, AT17, BOY12, BGF15, BGM19b, CYP16, CCHG17, CL12b, CM19b, DWZ13, DLZ19, DFP+13, Ers16, FZ17, FSTN18, FSZ18, FES+19, FMPR15, GGLP15, GVSP12, Gha17, GIMZ14, JCF19, KLK15, KN11, KK19a, LZ18a, Li16b, LL19b, Li19b, LZG13, Liu18c, LB18, LRBA15, MK18, MM18b, MJWD19, MKS13, MSZG17, PAE+12, PDHL12, QCG15, RCM11, SPT17, SWL16, SLKK19, Tod13, TM10, WFY17, WD16, Wei12b, Wen18a, WH11b, WCH13, XZ17, YSW16, Yan19, YZS18, ZB19, Zbo19, ZZ16b, ZaY17, ZZ18b, ZC11a, ZS18]. 3^* [TKH10]. 4 [CS14b, DNZ+13, QHT16, Wu18a]. 512 [CSCM13]. 6 [YC12]. 8 [SISH12]. 9 [FVVS16]. $^+$ [MGY11, ZMG10]. $_2$ [ZAK18b]. $_3$ [ZAK18b]. $_4$ [GSI19]. $_6$ [GSI19]. A [DD10, Zha11a]. $a, b \in \mathbf{R}$ [dS15]. $A^{(2)}_{T,S}$ [SC13]. $A_1XA_1^* = B_1$ [ZLZ11]. $A_2XA_2^* = B_2$ [ZLZ11]. $A_iXB_i = F_i$ [DLD10, SS17]. α [BL17, BNP18, LY17, TMMASG10, YY12, YL18a]. antitridiag$_n(a, 0, b)$ [dS15]. ARCH(∞) [AD12]. $AX + XB = C$ [WLM13]. $AX = B$ [LZGZ11, XC17, TTZW18]. $AXAH + CYCH = F$ [XCS18]. $AXB + CXD = E$ [ZMLZ16]. $AXB = C$ [LGG12, WLD13, ZT13]. B [CZ15, LZL19, HS11b]. $B(r, s, t)$ [FBB10]. $B[X; \frac{1}{2^2}\mathbf{Z}_0]$ [SKdA11]. BDM_k [Erv12]. BL [ZJ10a]. bv_p, $(1 < p < \infty)$ [FBB10]. C [HLS11, LKCN19, SKST10, AES11, JW19b, SCK11]. C^0 [SCGW18, WZH18]. C^1 [HH10b, LV11, PGF18, ST16]. C^2 [KV17a, KV17b]. $C^HA^{-1}B$ [DFS14]. CD4+ [EOM11]. CI [SR12]. d [CKN11, SMBY10, WWW14, YZ19]. Δ [Çak11b, KA11, Bor11, SPL19]. $\Delta_{a,b}$ [AES11]. $\dot{B}^{-1}_{\infty,\infty}$ [GLR13]. e_2 [Mah11]. ℓ^1 [Gos10]. ℓ_p [FBB10]. ϵ [YjH18]. η [Ant10]. F [MS11a, Dra10]. FWC [LZ12b]. G [Ant14, ASV11, APS12, Çak11c, MAK12, PT11, WY11b, ZLLF12]. Γ [AMD10, DZK10, DZY11, JMLF11, MZLF10, SDM10]. $\gamma_{\times 2}$ [WS10a]. GF(p^m) [CKK+10]. H [DFG19, TM12, Tom13, Ver08, Ver12, ZFZQ10, DSA10, DHMU16, MYZ12, PGF18, Pas14, PPC13, PPC15, RZ17, VAK+19]. $H(\alpha, \beta)$ [CH11b]. H^1 [BS17, Hou15, SW16a, ZS13, SZL+17, WLL+18]. $H^1(\boldsymbol{R}^N)$ [LC10d]. H^2 [JZL18]. H_∞ [Ahn12, LZT11, LCYC12, WS12]. H_v [DZY11]. hk [SD18]. hp [BS14a, BS15b, BS15a, BGGCGRSP16, BS15c, CDG15, CW15b, CHH14, CX18, FWW14, FMPR15, GSZ14, Hak14, HW16, JZ13, KM15, ZD15, BPS19, BDM+19b, CGGM19, CNSV17, DESV18, DMRS18, EGG16, FM18, JZE+18, LCW17, PS18]. hpq [Zbo19]. I [BMC13, CT10a, DG10a, QRMH18, Sea15, TL10a, YMHL18, ZZC13a].

$\mathbf{I} - \mathbf{A}$ [BT11]. ILU [DM19a]. J [SB19]. K [ĆSCD11, HCL11, AJS19, AKS10, HpD11, HL10, JSEM13, JL15b, KP10b, MM16, Pes13, SD12b, SWW11, WYY11, XC17, YL18a, YT12, sHC11]. $K(m,n)$ [Bis10]. K^2 [SXB+12]. κ [KPG13]. L [ABFGZ11, LS10b, LZH12, MP19c, Ram11, Sim10, YZXW10]. L^1 [LCH19, PSS18, Zha15b]. L^2 [CM16c, EM14, GH18, HZM11, JMHF13, MW14, Ye17a]. L^∞ [He16]. l^p [GH10]. $L^p(\log L)^\alpha$ [BX10]. l_0 [DCKY15]. L_2 [CCKP15]. L_∞ [zSdZ10]. L_p [AD10b]. λ [SH12a]. λ_i [CsH10]. $l \in \{1,2,4\}$ [YH11b]. LL* [Lee15]. LU [Abd18a, ASA16, CLMM18, PPC13]. M [PXT10, SSR11, Bai11b, LZ11e, LLL12, MKR12, Noo10, ÖŞ11, Wu16, Yas12, ZY15c]. $M+1$ [PXT10]. $\{m,n\}$ [MTN19]. $\mathbf{C}$ [HD14b]. $\mathbf{F}_2[u]/(u^4-1)$ [YS12]. $\mathbf{R}^3$ [CS16, Lü14]. $\mathbf{R}^\mathbf{N}$ [CF16b, AEO15, CCX13, LL16a, LX15a, LL14b, WZF16, WW15, ZWW13, ZCY11, ZZ16c]. $\mathbf{R}^n \setminus \{0\}$ [SYY13]. $\mathbf{R^4}$ [WX18b]. $\mathcal{A}$ [LWBW13]. $\mathcal{D}$ [YL14]. $\mathcal{L}$ [qJhY12, SP10]. $\mathcal{N}(\beta)$ [UBF11]. $\mathcal{P}_n^*$ [Wu10]. N [LMMF17, LM19a, LTSW16, LWW19a, RC17b, YHC18, ZZ11b, ABR10, ACC18, Che16, Dra11a, Gao12, GZ14, HLWX11, HL11a, HMWZ16, LCW10, ŞGY11, Sat11, gShYL10, SS14b, TZG10, Wu10, YZGW10]. $n=2$ [Dai14]. NM [Wu10]. ω [MM16, YL18a]. $\otimes_B^k$ [Sat11]. P [HpD11, PS12b, Amb19, AX11, BLS18, CNSV17, CHZ19, CP15c, CP16c, Chu18, DZ21, DLS18b, DHMU16, EAA10, GALO18, HY18, HGW18, KS11, KLL19, KSKK11, LCW10, LD18, LJX12, NT17, PC11b, PA12, RZ17, SD18, SHH16, Sim10, SYY13, Tod18, Tru19, VAK+19, WZH10, WW19c, XZR16, YY10b, YL10a, Yan11c]. $p(\cdot)$ [BRR16]. $p(t)$ [CTA12]. $p(x)$ [AEO15, ZZ15b, KSZ18, Zha18a, ZG18a]. $\{P, k+1\}$ [YqS16]. P_3 [Zha18c]. P_4 [Zha18c]. ϕ [GKM11, QHW11, YL18a, ZC10]. ϕ_0 [WW11a]. $PI^\lambda D^\mu$ [EK13]. Q [MMRN12, CsH10, CS11c, Fer11, Gal11a, Kim10, Liu11a, Mah10a, Mah10b, Ost11, OÖ11, Yan11b, ZP10, dCM12]. $q > 1$ [Gal11a, OÖ11]. Q_n [KP10b]. QR [LYS12a, LYS12b]. R [BR18, Mar11a]. R^2 [dSSV17]. R^3 [Ben17, CTC17]. $\rho - (\eta, \theta)$ [PN10]. RT_k [Erv12]. S [DMPV10, SSO10, Set12]. S_8 [HSMG12]. σ [qJhY12, KD10, KD11, MM10b]. $\sigma \to 0+$ [WY19a]. $SIMS$ [ZY13]. T [Cia12, GWL11]. τ [ZC10]. θ [DMZ10]. V [Ant10, WN18]. φ [CL16b]. W [HCL11]. W_p^1 [JLL18]. X [ZCZ17]. $x^2 - kxy + y^2 + lx = 0$ [YH11b]. $x_{n+1} = (\alpha - \beta x_{n-k})/g(x_n, x_{n-1}, \ldots, x_{n-k+1})$ [Ham10]. $x_{n+1} = \frac{x_{n-1}}{\beta + \gamma x_{n-2}^2 x_{n-4} + \gamma x_{n-2} x_{n-4}^2}$ [ECY11]. $xC_\nu'(x) + \gamma C_\nu(x) = 0$ [GS12]. $X \pm A^* X^{-q} A = Q (q \geq 1)$ [YL10b]. y [QRMH18]. $YA = D$ [XC17]. $|A|_k$ [Sav10].

-accretive [WD10]. **-adapted** [PPC15]. **-adaptive** [BS14a, CGGM19, JZ13, JZE+18, PGF18, PPC13, RZ17, BS15b, BS15a, CDG15, CHH14, FWW14, GSZ14, Pas14]. **-adaptivity** [VAK+19]. **-adic** [Sim10]. **-AFEM** [CNSV17]. **-algebras** [CKN11, qJhY12, SR12, ZJ10a]. **-analogues** [Rah11b]. **-approximation** [MTN19, AD10b, Ant10]. **-approximations** [Zbo19]. **-ary** [YZGW10]. **-based** [CLMM18]. **-BEM** [FMPR15]. **-Bernoulli** [Kim10]. **-Bernstein** [OÖ11]. **-biharmonic** [BRR16]. **-bit** [CSCM13, FVVS16]. **-block** [CBS18]. **-boundary** [Hak14]. **-bounded** [KS11]. **-boundedness** [WW11a]. **-breaking** [KTK18]. **-cages** [BFG11]. **-Cauchy** [DG10a]. **-Cebysev** [Yan11b]. **-chromatic** [KP10b]. **-coercivity** [Cia12]. **-concave** [ZC10]. **-conditions** [KT11a]. **-conforming** [BS17, DFG19]. **-conjugate** [BR18]. **-connected** [TKH10]. **-conservative** [MM10b]. **-constant** [SISH12]. **-continuity** [Çak11c]. **-contraction** [ASV11]. **-contractive**

[HLS11]. **-control** [LCH19]. **-convergence** [KD10, KA11, PS12b]. **-convex** [SSO10, PT11, Set12]. **-convexity** [GKS10, ÖAK11]. **-coupled** [LTSW16]. **-critical** [WS10a, Ye17a]. **-curve** [DMPV10]. **-cuts** [TMMASG10]. **-cycle** [WN18]. **-cycles** [BR12d]. **-D** [KK19a, SLKK19, YZ19, CCHG17, FF15, GDM13, Tod13, Wei12b]. **-difference** [Liu11a]. **-differences** [Fer11]. **-differentiability** [ZFZQ10]. **-dimensional** [AGT19, Abd18b, AK16, Ade16, AA15, AAEG17, Asl11, BM18a, BB08, CTSX16, CZ15, CZ18, DYH11, DTYZ18, EGAA19, FYYT11, Gao12, GZ14, GZD18, GABC16, GMZ15, GTZ19, HLLM19, HTM18, Her19, HTY+19, HTWS15, HYC18, KSG11, KKK15, KT18a, KK19b, KK19c, Kuo18, LHD18, LK15, LD11b, LDL11, LMMF17, LM18a, LZL19, LM19a, LCW19, LGZ19, LL10a, LTJ+16, LL16d, Liu18a, zLYmL18, LZM18, LYC+19, LWW19b, zLZ19, LWW19a, LXY19, MLL16, MYZ18, MCF18, ML19a, MR17, MKR12, Man18, MZM18, MGS+14, MPfTX18, Men18, MK17, Osm18, PTZ19, QTW+18, Ray17, Ray18, RMY19, SR15, Sat11, gShYL10, SS14b, SMBY10, SG10b, TDXQ18, TZ15, TTX+16, UKI11, WWW14, WTYZ17, WWD18, Was13, WZMY18, XX10, YTD+18, YGS+16, YMLL18, YYLW19, YTS+17, YTL+18, YHC18, ZSAN19, ZA15, ZZ11b, ZM17a, ZDZY17, ZLT18, ZDM11, ZTSC16]. **-dimensions** [RRO17, YM17]. **-distance** [SCK11]. **-distribution** [MS11a]. **-divergence** [YY12]. **-eigenvalue** [LKCN19]. **-estimates** [CM16c]. **-expansion** [Gep16, GMZ15, JKB11, KBA11, MCKM12, SG10b]. **-FEM** [BPS19, FM18]. **-filled** [RSL+18]. **-finite** [PS18, BS15c, CW15b, HW16]. **-fold** [Noo10]. **-fractional** [Amb19, BL17, YjH18]. **-functions** [CL16b, Sim10]. **-fuzzy** [DSA09, Jun10, SJN10a, Abb10, ABFGZ11, LS10b, LZH12, MZJ11, ÖI12, Ram11, SP10, SR12, SJN10b, SM11, YZXW10]. **-Galerkin** [LCW17, SZL+17, WLL+18, Hou15]. **-Gini** [Dra10]. **-harmonic** [LWBW13]. **-Hessenberg** [SB19]. **-Horadam** [YT12]. **-hypergroupoids** [SKST10]. **-hypernear-rings** [DZK10]. **-hyperrings** [Dav10, MZLF10]. **-ideals** [DZY11, DSA10]. **-interior** [ZD15]. **-intra-** [MYZ12]. **-intuitionistic** [ADA11, qJhY12]. **-invex** [Ant10]. **-invexity** [Ant14, PN10, ZLLF12]. **-involutory** [XC17]. **-irregular** [ACC18]. **-Kirchhoff** [XZR16]. **-Laplace** [Chu18, ZY15c]. **-Laplacian** [DZ21, BLS18, CTA12, CHZ19, CP15c, CP16c, DLS18b, GALO18, GKM11, HY18, HGW18, KSZ18, KLL19, LCW10, LD18, LJX12, NT17, PC11b, SD18, SYY13, Tod18, Tru19, WZH10, WZF16, WW19c, Wu16, YY10b, Yan11c, Zha18a, ZZ15b, ZG18a, AEO15]. **-linear** [QHT16]. **-logic** [Wu10]. **-loop** [LMMF17]. **-matrix** [SH12a]. **-maximal** [Ver12, Ver08]. **-means** [JW19b, HCL11]. **-mesh** [BDM+19b, DMRS18]. **-method** [DMZ10]. **-methods** [KM15]. **-metric** [ASV11, APS12, ĆSCD11, HS11b, MAK12]. **-monotone** [Zha11a]. **-nonexpansive** [QHW11]. **-nonlocal** [QRMH18]. **-norm** [GWL11, KSKK11, He16]. **-normed** [ŞGY11]. **-norms** [BX10]. **-order** [BMA11]. **-packing** [CKMR11]. **-phase** [MK18]. **-ply** [ABR10]. **-point** [Bai11b, LCW10, LZ11e, LLL12, Yas12]. **-potential** [SPL19]. **-problems** [Zha15b]. **-projection** [HZM11, JMHF13, MW14]. **-pullback** [YL14]. **-quasi-hemiregular** [MYZ12]. **-quasi-monotone** [Bor11]. **-quasi-slowly** [Çak11b]. **-queue** [WY11b]. **-rectangular** [HMWZ16]. **-refinement** [DESV18]. **-rings** [DZY11]. **-robust** [CNSV17]. **-Salié** [ZP10]. **-scheme** [MP19c]. **-semigroups** [JMLF11, SDM10]. **-semihypergroups** [AMD10]. **-skew** [DH10b]. **-smooth** [KV17a, KV17b].

-soliton [LWW19a, ZZ11b]. **-solitons** [YHC18]. **-spaces** [LZ12b]. **-sparsity** [PSS18]. **-species** [Che16, TZG10]. **-spotty** [ÖŞ11]. **-stability** [JZL18, WW11a]. **-Stancu** [Gal11a, Mah10b]. **-starlike** [SWW11]. **-statistical** [DD10]. **-strict** [CsH10]. **-strictly** [sHC11]. **-summability** [Sav10]. **-superlinear** [Wu18a]. **-symmetric** [dCM12, DH10b, XC16]. **-Szász** [Mah10a]. **-tensor** [MMRN12]. **-th-order** [LM19a]. **-theory** [GH10]. **-time** [Dra11a]. **-times** [AJS19]. **-top-** [HpD11]. **-transform** [Ost11]. **-trees** [Mar11a]. **-tridiagonal** [JSEM13, JL15b]. **-tuple** [SD12b, Zha11b]. **-type** [BD11c, CZ15, LZL19]. **-uniformly** [AKS10, CsH10, CS11c]. **-valent** [AX11, EAA10, YL10a]. **-valently** [PA12]. **-valued** [Wu10]. **-variable** [KYR15]. **-velocity** [ZSW15]. **-version** [SHH16]. **-weak** [ĆSCD11]. **-weakly** [AKS11, APS12, SS11c].

0-1 [RFP11, RF12].

1 [BA11, Cia16, LXYT11, WY11b, Xu11b]. **1-soliton** [Bis10]. **12** [FSM19]. **1227** [EM19]. **17th** [MV10]. **17th-order** [MV10]. **1D** [He16].

2 [CFS17]. **2010** [VBW10b]. **2014** [Bho14a]. **2015** [Ano16a]. **2016** [YRDR18]. **2d** [ABB17, He16, HD14b]. **2nd** [HPV+18].

3.0 [Váz16]. **35** [Li10c]. **3rd** [VBW10a, VBW10b].

4- [WS10a]. **49** [ID10]. **4th** [CX18, VBW10a, VBW10b].

50 [WWW11a, WWW11b]. **55** [Ver12]. **56** [Asl11, fDxZ11]. **57** [Pen11]. **58** [AR10b, JY11]. **59** [AD11a, ÇE10a, Def10a, GXZ11, IIHuI10, KPS10a, KK11b, SK12]. **60** [Jia11, VBW10a, WYG12, Wan13a]. **61** [KYR11a, LLH11a, MP16, Pan17, WWW11a, XLD11a]. **62** [WLDL11a, Yaz11]. **63** [Ant14, LYS12a, LW12a, McN12]. **64** [Ran15, Wan13a]. **65** [Her14]. **66** [SCBCB+17, XWH16]. **67** [JFS20]. **69** [LK15, SKTC19]. **6th** [Sle13].

71 [Her19]. **75** [DZ21]. **76** [EM19]. **78** [JL20].

802.11 [TXZ+10].

a-posteriori [GSZ14]. **Abaqus** [LZL+18]. **ABC** [AT19]. **abduction** [BMS12]. **Abel** [Dar11, EKE18, XH11b]. **Abel-type** [EKE18]. **Abelian** [LLL11]. **abortion** [KX12]. **Abound** [LYC+19]. **above** [RY10]. **absence** [JKS19]. **absolute** [Bor10, KM12, ZCH14, ZGD14]. **absorbing** [MDG19, RHD18, SDH15]. **absorption** [CP15c, CP16c, MM18a, ZT19]. **Abstract** [PRR10, AKA11, BK12a, KR11, LJ11, Sal10]. **Abundant** [YM17, EGAA19]. **accelerate** [RH15]. **Accelerated** [DTR19, ED12, WWXW19, BGGCGRSP16, BKMT14, BKNR19, CM19a, DLZ19, GEZ14, HWXC19, KWAS16, KLK15, QCG15, WMW13, YCW+14]. **Accelerating** [LYC15, PPD10, LZZ11a, ZWG11]. **acceleration** [BBO10, Bre14, DCRL13, MO14, WCZ+19]. **accelerators** [MSZG17]. **access** [BMS12, HSMY12, WZCC10]. **according** [ABRL18]. **account** [CD12, SST19]. **accounting** [Kia19]. **accretive** [WD10]. **Accumulation** [XLK11, IL13]. **Accuracy** [Rua19, TMCM19, CLTA11, DWZ13, DH11b, DFG19, FDG+17, HZL17, LH16, MS15, SZL+17, SSL14, WLZ+18a]. **Accurate** [BJPT16, Gem16, HM10, JLCS10, AHF16, BPC17, BDM19a, BL14, BZ18, CPP15, DBS12, FZL+18, GGGR17, HMY15, HIS19, HD14b, JW15, KO11a, KL16b,

KPG18, KVR11, MS18, SMF17, SST12]. **Acknowledgements** [Ano10a]. **ACOMEN** [SVP+19]. **acoustic** [ADGG13, BK15, DL11, EK16, HMY15, HNPS13, HKW15, JPK17, JPK18, LZ18a, LCP16, MPMTV15, Ray16, Sea14, Sea16, SSH15]. **acoustics** [BPC17, VAK+19]. **acquisition** [GMAM12]. **across** [BOT14, EPP18, JSGP16]. **across-time** [BOT14]. **ACSP** [QCYL12]. **actin** [ABH12]. **action** [Kup14]. **Active** [FQLC18, JW19b, BSK11, CChL14, DB10, Fer12, HSK11, HT18, LSW16, RSL+18, RKA+18, SRDD17, WHD14, XJYL17, yYsZyYL13, jZsQdLmG19]. **actively** [BG10b]. **activities** [YY10c]. **activity** [BCF10, Laz10, RIW12]. **actual** [ABRL18, BCF+14, WSS10]. **actuated** [LL12c]. **actuating** [CL12b]. **actuator** [JCWZ16, LLZ12]. **actuators** [NGG12, RMA10]. **ACW** [MN12]. **Aczél** [HX10, Yan10b]. **Ad** [SSM12, CHY12, DA12, LLWZ11]. **ad-hoc** [DA12]. **Adams** [Gar13, LLML15, PIAH10]. **adaptation** [BDM+19b, ILV+19, KH18, Li18e, MPS18]. **Adapted** [DMP18, LHL14a, PPC15]. **adapting** [AD19b, MSTB17]. **Adaptive** [AsNAd10, Amo15, BKDM13, CY14a, CKRW19, EFK15, GN19, HW16, LCCC10, PZJ+16, SKTD13, YLC12, AA10a, AKL18b, BS14a, BS15b, BS15a, Bar17, BGGCGRSP16, BC17, CDG15, CGGM19, CNV14, CCR16, CGH14, Che11c, CCH+12, CL12b, CHY19, CHH14, DESV18, DNP15, DVY14, DLQ16, FWW14, FOX11, GSZ14, GM14a, HM19, HD19, JSGP16, JZ13, JW19b, JZE+18, KWAS16, KS12a, KKJ15, LMR19, LY13, LZC13, LCK17, LTLL12, MMRN12, MA16, MSTB17, MKA+10, OZF19, eOS18, PGF18, Pas14, PPC13, PD17, PDHL12, RZ17, SPS+13, SWOF19, SZGG11, SS19, SW16b, Sul16, TSB16, VFM19, VHPVNXW18, WZY13, YZM+19, Zbo19, ZY17c, Zha17a, ZLY+13, Zhe11, ZOZZ12, ZG19]. **Adaptive-expectation** [LCCC10]. **Adaptively** [TS14, JVMF19, JK18]. **adaptivity** [CFPP14, DPM15, GGT14, KdLK19, PS18, VAK+19]. **additive** [BR16, CG14, DSB19, FMPR15, KC11, KRAS19, RMK19, SCvdV+19, SM17, SNEP19, WvDRG19, YL14, ZTY+19, ZLS13]. **additive-quadratic** [KC11]. **additively** [KMS19]. **addressing** [FBL11]. **adhering** [DVM12]. **Adhesion** [CFLM19, YLF19]. **ADI** [AD15, ADZ19, WLZ18b, BK14, CL17b, DZW16, HP17, HCLL18, QX19, WW11c, WV14, WW18b, WCLD18, XZ18, ZLJ+18, ZC11c]. **adiabatic** [BG15, NNK13]. **adic** [Sim10]. **adjacent** [LKL+15]. **Adjoint** [CHBTD14, KFTT13, KTH13, LWR16, MCL+13, LGL+14, Zha17b]. **Adjoint-based** [KTH13]. **adjointness** [Zha17b]. **adjustable** [LLD10]. **adjustment** [ASSV18, KALAS11, LTX+13]. **ADM** [NGG12]. **ADM-Padé** [NGG12]. **admission** [BPKM10]. **Adomian** [Aba10a, AO10a, AH11a, AER12, BPG10, Dua11, DR12, DCRL13, ESBR10, HSWZ11, ZSD10]. **Adopting** [cFpClC13]. **adoption** [SSS+11a]. **adsorption** [MMS+18]. **adult** [ADY12, BP13]. **Advanced** [DGOZ13, GIM15, KSD+19, LY12a, SPCS13, GHCZ18, Sag10, SSS+11a, TSB16, Yüz12c, SVP+19]. **Advances** [AER12, PHWM10, PL10a, Zho11, Zho12, ZFLM18, ZFLM19, LXK11]. **Advection** [RAW+16, AJAR18, AM14a, AV14, Auc18, CBBE16, DMP18, EO15, ESBR10, HLL+15, KW14a, KGM11, LPLR19, LZB12, LHL15, MHHC18, MPY16, MV17, SOJC10, Sou12, Tam16, TM18, VAS+18, WCB13, YYK16, ZLPM13, ZLJ+18, ZLZ10, ZDF+14]. **advection-diffusion** [AM14a, KGM11, MV17]. **advection-diffusion-reaction** [AV14, KW14a, LHL15, MPY16, WCB13]. **advection-dispersion** [ESBR10, LZB12, ZLPM13].

advection-reaction [CBBE16, DMP18, SOJC10]. **adversary** [ZPWY12]. **aerodynamic** [GC19b]. **AES** [CSCM13]. **AFC** [JJ19]. **AFEM** [CNSV17]. **affected** [Pes13]. **affine** [Liu15a]. **affordable** [BCD+16]. **afforestation** [TZ18]. **AFM** [WY11a]. **against** [JS12a, KLL10, QCYL12]. **age** [Aki17, Hu19, MCL15, SCSF19, ZK16]. **age-structure** [SCSF19]. **age-structured** [Aki17, ZK16]. **agent** [CS11a, MB17, SBKS12, WWH12]. **agent-based** [SBKS12, WWH12]. **agents** [SSS+11a]. **ages** [DYQM14]. **aggregation** [AZB13, GEZ14]. **aggressive** [SD15b]. **aggressive-invasive** [SD15b]. **aging** [FdOdSS17, RR11, YY10c]. **aging/deteriorating** [YY10c]. **agreement** [HPC12, NCL13]. **aid** [Lep11b]. **aided** [DSB19, WMSH11]. **air** [DGOZ13, IC12, JS12b, LWC13, ODAZ15, ySGL+10]. **air-water** [ySGL+10]. **aircraft** [YGH11]. **airfoil** [PLR15]. **Airy** [CJCV10, CJRR11]. **AKNS** [RKSA18]. **Al** [GSI19, ZAK18b]. **al.** [SPLHCB14]. **alcohol** [Laz10, ZZ17]. **ALE** [KKVS19, MR19, ZHV19, ZLS19]. **ALE/embedded** [ZLS19]. **aleatory** [WLT13a]. **Algebra** [GGAVRC+19, AS11a, LY17, MBH16]. **Algebraic** [ASN11, AvdW13, JZJ18, BJS15, CTP10, GL10, GEZ14, GV11b, GZW+18, GH12b, HVR18, IB11, LBW11, LYC15, Liu15a, MO14, Pap15, SBEB10, Tom13, WW10b, YLJ12, ZMA10]. **algebraic-differential** [ZMA10]. **algebraically** [HS11a]. **algebras** [CKN11, qJhY12, JLP10a, JLP10b, JLK11, JK11b, JK11c, MZJ11, SR12, YZ10b, ZJ10a, JKK10]. **Algorithm** [BGRS11, GACMO13, LEP11a, SLMZ12, tWqLzGkP11, AAR11, AIA13, AHF16, Ade16, AM15, ALLH11, AWJH19, ACC18, BDS15, BMM12a, BA16, Bog10, BBM18, BM18c, CB11a, CD14, CGY11, CC11, Che15b, CX16, CR18b, dSCM12, DCG+12, DVY14, DLWW12, DWI+12, DJZ18, EMR10, EHO+12, FJB19, Far11, FVVS16, FOX11, FLWJ11, qGpWhL11, GHR10, GALO18, GIMZ14, GHC+15b, GN11, GGO16, Haj18a, Haj18b, HDHL11, HG18a, HCHH12, HY11, HL18b, Hua10b, HXS+15, HCL11, ILS13, JKK11, JA11, JS12a, Jav11, JMB10, JKS12, JL17a, JW10, JW19b, KV10, KYO10, KCL14a, KMS15, KS10b, KCL12, Laz10, LLG+11, LLD10, LCQF19, LTLL12, LYC12, LLCG16, LLH10, LJJ17, LJLY19, LSD10, LXF11, LTL+12, LRH13, Liu15a, LLLW18, LRCG16, LDHH13, MSQ+11, MJB18, MN12, Mor13, MW10, NZ16, NZ14, fNS11, OMS10, OVV+16, OPDC12, Oru17, PH13, Pas14, Ped18, PG10]. **algorithm** [PSD+13, RT11, RFP11, SS17, SSS+11a, TH19, TL12, TZMZ12, TW18, TTC14, Ver08, Ver12, WYLZ10, WCD10, WZ16, WLGL10, WQNF12, WY19b, yXpYxZT11, qXjH11, XG10, XY14, XJYL17, XDL12, YY14, YXYH10, YJ19, YH19, YD12, YZ12, YDK+12, Yüz12a, ZQ11a, Zha11a, ZDL11, ZLC+14, ZY17a, ZY17b, Zha19a, ZGZ13, ZH15b, ZXW13, ZLGL11]. **algorithm-based** [FLWJ11]. **Algorithmic** [KPG13, MV12, GD11, TCM15]. **Algorithms** [JL16, AEF15, ABCR10, AAP12, AK11, AGK15, Bac14c, BSN13, BE18, Bur13, CGY10b, Che12a, CDY11, CLMM18, Chu11c, DM12a, DZS10, DGOZ13, Dua11, DR12, FHZ10, FGHZ14, FRSC16, cFpClC13, HSZ15, HM15, HM18b, JL15b, JJ15, JL19, JL20, Lit13, Liu15b, LW18c, Loh16, MVB+12, OO10, ODAZ15, PDN19, PBK19, QHW11, RdSSS11, RF12, SH10, SLM16, ST12, WLW16, WLW17, WWXW19, YY12, YNLK10, YW14, ZN18, Zha15a]. **alignment** [KH18, SSK13]. **all-speed** [QCS+19]. **Allee** [GOGYL+11, PQB+16, ZY13]. **allelopathy** [MKG13]. **Allen** [BMH19, CHY19, GGT14, LL14a, Lee16, LLJK10, LJK+19, LCWZ18,

LLYL19, MSW18]. **Allmaras** [PLR15]. **allocating** [RZL11]. **allocation** [Chu12a, ES11, RZL11, RR11, WL11a, WZWS11, ZLG+10]. **Alloy** [WRW+19]. **Almost** [BK11b, KPR13, LFJ11, XY10, Abb11, Bor11, CZN11, CZN12, CCD10, EO14, HP10, HGW11, KS11, MN10b, WYN12, Xue13, ZL11]. **ALOHA** [TZMZ12]. **along** [MZM19, RBB12, Ran15]. **alternate** [CB19a]. **Alternating** [ADZ19, EKZ17, SHM13, AD15, BKMT14, BCJ19, BXKZ11, BX14, CLA19, hGzS15, GL16, KST10, LHY18, LDHH13, WH16, WLZ18b, WS11b]. **alternating-direction** [CLA19]. **Alternative** [Tol12, ZYZ+16, AEH19, Git14, HB19, HZ16, Uze10, ZZX+14a, ZYZC18]. **AM** [HGJP19]. **ambiguity** [BBC+11]. **Ambrosetti** [She18b, ZZ15b]. **Ambrosio** [MPS18]. **American** [BS10b, BC16, CW14, CWDL17, CWY19, CEJV16, ECJ16, HMV18, KCC+13, LZL16, MZC17, MVKK14, YKA18, ZC11c]. **American-style** [LZL16]. **AMMOS_ProtLig** [JPP12]. **among** [MLY18]. **Ampère** [Dai14]. **amplitude** [NJ16, YASK10]. **anaerobic** [DK14]. **analogue** [HmZ11, Par11b]. **analogues** [Kli10, Rah11b]. **analyses** [GGS16, GS18]. **Analysing** [EGGS+12]. **Analysis** [AD19a, AM11, ALMLM14, APwS18, BM18d, BCF10, CCN14, CSU13, EG18, FP19, FSCG11, GS15a, GK16, GHCZ18, GJX18, HKS19a, HLL13, HSJ15, HT16a, HM17d, HMZ18, JLWX18, KTDT17, KO13, LZWC16, LXY19, MR17, Moo18, MNT15, NB11, PLKC16, RSS10, SL16c, TH19, WSL10, WL11a, WHS11, XSYL19, Yaz11, YAS+11, ZLW10, ZHY14, ZLL17, lZxLhY12, ABM11, Abd18b, AO10a, AHF16, ADY12, Ade17, ASFM15, ABDKD12, AGU14, ATH18, ATH19, ASSV18, ABN18, AYY12, AJS14, BTEM19, BBDS11, BDS17, BCFQ19, BC15, BCD+16, BCC14, BGRV15, BPS18, BO18a, BN16, BKM11, BDB12, BBM18, BMSS18, BGL+15, Bra16, BK12b, CH11a, CLT+13, CPP10, CCJP11, CCRS17, CJ12, Cha18, CW10a, Che12c, CCCW16, CYZZ18, Cho17, ĆCM10, CJ15, CGO19, CJPB10, DdSF13, DGT18, DS18b, DSZ18, DWS19, DFW+18, DH18]. **analysis** [DYWL19, Dun18, EAAS18, EM14, FSM19, FGL10, cFpClC13, FXCC18, FOS19, GBG11, GMP18, GRBT16, GOS18, GGVRB19, GD11, GY11, GGGR13, GS11b, GTZ19, HLLM19, HH16, HHY+11, HW19b, HWH+15, HH10a, HLY16, HCLL18, Ikh11, JGSS10, JLD19, JW15, JN14, JO19, KEHB18, KWPK13, KLCD16, KVJB15, KNIF13, KP19a, KC12, KC19, Kia18, KLTS11, KT15, KHF+19, KPG18, KM13, KPG13, KKSK18, KS10b, KS12b, KKJ15, KCK19, Kuo16, LZL+18, LMMT15, LL12a, LLZ11, LDW11, LYS12a, LYS12b, LL13, LY15, Li16b, LS16, LM17, LPML19, LBJ10, Lit13, LZB12, LTL+12, LGL+14, LZ12c, Ma10a, MCQ11, Mac12b, MA10b, MC10b, MAN+15, MH11, MG15, MP19a, MMFT+19, MW16, MPGW19, MVB+12, NXHN14, OBCG19, Ogi12, OTiSY16, ODAZ15, OF16, PXXZ16, Per18, Pet11, PLT+19, QXLL11, QGGL13, RSL+18, Ray17, RS18a, Ray18, RS15, RÖ10, RDE+17]. **analysis** [RTT17, SG11a, SR17a, Sea14, SISH12, SWL15, SW16a, SZL+17, SW17, SY18, Sin16, ST19, SJS+11, SLYY13, SJC14, SSC19, SM10, Tan18, TL18, TZ13, Tim13, TT14, Tol12, Tom11, TAA14, UKA15, Váz16, WYLZ10, WY11a, WC11a, Wan12, WLT13b, WLHZ14, WZ16, WHTZ16, WY16, WLZ+18a, WZ18b, WY18a, WKBR18, WLXZ18, WZH18, WYK10, WH14, WO10, WL17b, WGY+18, XKH10, XH11a, XHH+19, YG17, YWL+11a, YXX11, YCHW18, YQWZ19, YWHC11, YXWL14, YASK10, YZAX10, YW11b, YS19b, ZAK18b, ZR18a, Zed10, ZW11a, ZTH11, ZWL11, ZHQG12, ZHZ14, ZZ16a, ZJB19, ZY19, ZC11a, ZZ14, ZD15, ZZW15, ZMA10].

Analytic [Bog11, CCNT16, JQSS12, LMDL11, LTJ+16, MPfTX18, Odi10, OSZP13, SLCC12, Alo11, AS10a, AS11c, ANR11, BGRS11, BBD10, CSSW12, CDN14, DM12b, EZM12, HHS+10, MB17, Noo10, NNAS11a, NNAS11b, NNAS11c, NM11b, NODA11, ODR10, PA12, SKPW14, SRM11b, Swa10, TO11]. **Analytical** [AJAR18, CB11d, Che11b, GS11a, GZ14, JLTB12, KKAM11, KDG11, MLZ+16, PDM11, Tha19a, XCS18, YMDZ10, ZZLB18, ZMA10, AÖ10b, CS13, FKKS11, FL13a, Gup11, HM10, JRZK11, KLTS11, LL14a, Lee17, Lu11, MSG11, MPMTV15, NB17, PLW+18, SSH15, TA11, UKI11, XHA13, XWL18]. **Analytically** [CXZ15b]. **Analyticity** [LLY18b]. **Analyzing** [WO18, ZJZ+11, SMM19]. **ancient** [ZQ11a]. **and/or** [HLY17b]. **Anderson** [BKNR19]. **aneurysm** [ZAK18b]. **aneurysms** [OHK+19, WSC16]. **angle** [WHQ+18]. **angles** [KYW+18, WL11d]. **angular** [LSM11, Ma18a]. **animals** [OMS10]. **Anisotropic** [DMRS18, Li18e, LWL14, MPS18, SRDD17, WRW13, ZWH+19, BDM+19b, BM18b, BS17, CHM18, CST14, DLZ17, DB15, FIS18b, GKS17, GHCZ18, HHY13, KMS15, MTN19, MSTB17, MM19, NB11, ORR16, TSB16, VGC+15, WLZ+18a, ZSQ+18, ZY19, Li18e]. **anisotropically** [GSZ14]. **anisotropy** [BM19]. **Annealing** [dCMdSGTdC+16, Che12a, VB10a, ZLY+13]. **annotation** [ALLH11, ALLQ13]. **Annual** [HPV+18]. **annular** [ATH18, BKE18, MG15]. **annulus** [HO19]. **Anomalous** [CSZK10, LZCL18, AM13a, ADZ19, CJ18b, FIM18, LCA+17, MZL13, MD18, MA17, QLT+18, WW16, Yil19, ZJZ18]. **anopheles** [ADL12]. **ant** [qGpWhL11, HB12a, HY11]. **antennas** [HB12a, LHZ+11]. **Anti** [AN11a, YZY10, AA11, AsNAd10, CYP16, LM18c, XHM14, Yan12a, YT11, YqS16, dS15, dS16]. **anti-** [YqS16]. **anti-centrosymmetric** [LM18c]. **anti-pentadiagonal** [dS16]. **Anti-periodic** [AN11a, YZY10, AA11]. **anti-reflexive** [XHM14]. **anti-synchronization** [AsNAd10]. **anti-trapping** [CYP16]. **anti-tridiagonal** [dS15]. **anti-waves** [YT11]. **anti-windup** [Yan12a]. **antiperiodic** [SLL12a]. **antiring** [ZL12b]. **antisymmetric** [Kli10]. **any** [BC17, KLL10]. **AOR** [CM16b]. **AP** [DG10a]. **Apostol** [KYR15, LS11d, Öza11]. **appearing** [Was13]. **Appell** [OCNG12]. **Appl** [AR10b, AD11a, Asl11, Bho14a, ÇE10a, Def10a, fDxZ11, DZ21, GXZ11, Her14, IIHuI10, ID10, JL20, Jia11, JFS20, JY11, KPS10a, KK11b, KYR11a, Li10c, LYS12a, LLH11a, LW12a, MP16, McN12, Pen11, Ran15, SK12, Ver12, WYG12, Wan13a, WLDL11a, XLD11a, XWH16]. **Appl.** [Her19, Pan17, SCBCB+17, SKTC19]. **Apple** [GMAM12]. **Applicability** [PKD19]. **Application** [ATUC15, ASB12, Asl11, AYY12, BC15, BSZ16, BB08, CL11, CCY18, CFdM+18, Cia12, CCM14, DFGG13, EAEH18, ED11b, EE18, FLLF10, GWR+18, Gha17, HMP+15, HPR19, HHS+10, IIHI10, IIHuI10, JYF+11, Jum10, KBA11, KKT13, KP18, KB10b, KLK15, KTA12, KLTS11, LX10a, LX12a, Liu11a, MN11a, NKM16, Pal12, PdlF10, PH13, QY13, RAD13, RCM11, Sae11, SKPW14, SPST18, SG10b, TL18, WY11a, WLW+11, yXpYxZT11, YP10, YKKS10, ZN18, ZDF+14, Ahm10, AD16, BR12a, BP11a, BL14, Bis14, Bor11, BCF10, CZY13, DWI+12, DBH+14, Elb11, FWFL11, GGLP15, Ge10, HBK+19, HY11, HCL11, JW18a, JCZZ13, JBBL17, KEHB18, KLCD16, KBDC12, KK13a, KYAA10, KKBR19, KFYW11, Li10a, LZYW13, LZWC16, LLY18b, LZ19b, LLH11a, LLH11b, Liu17, LT11, Ma19, MPS18, MLZ+16, Mok11, NHH13, OBAAD10, Özd18, PA15, PATA11, RY10, RDE+17]. **application** [Rua19, SPL19, Sca11, SZ12a, ST16,

SLMZ12, SK10b, SK12, SAR18, TDXQ18, TM12, VMO10, Von19, WD10, WPH11, Wu18b, WY19b, YMSL11, ZZ15a, ZQ11a, ZHJD13, ZHW+11]. **Applications** [AKMS18, Ant14, CH11b, EKE18, GGAVGG19, GIM15, HNK13, LK15, MV10, MN10c, NNAS11a, RT10, SIL19, Tri11, Yaz11, ZM17b, AP19a, AJJAD+10, ADK10, Amb12, AS15a, AD12, BMRA10, BJLZ12, BMC13, BS12b, BR16, Cao19, CDG16, CCHG17, CBM10, CCFV12, CP10, CWQJ12, CGS12, DV10, DLWW12, DL11, Dun11, EGG16, FIMV18, FGHZ13, FES17, FF14, FMGR19, FRZ15, GTG11, GHMN16, Hak14, HJ13, HRMS12, HLvS18, HLSN16, HSS+12, HSMG12, JMST11, KM15, KA10b, KÖC+18, LZL+18, LjHO10, LB12, LZD17, LKCN19, LWZG10, LNKU12, LY11d, LL15, LZ12b, LLW15, Mat19, MI16, MS11b, MN10b, NA11, OMT12, PZL+18, PHWM10, RRC11, RA12, Sal10, Sal11, Sar11, SKM11, TXZ+10, TZG10, TNF11, Tha19a, Tia11, THH12, TMCM19, Ver08, Ver12, VBCJ10, WHD14, WZH18, XHH+19, Xue13, YB13, YS12, YS16a, YjH18]. **applications** [ZT16a, ZM18, ZC10, ZX11, ZJ12, Zha15a, ZC17, CTS19, EM19]. **applied** [Ala10, AA18, BDHR18, Boy16, dSCM12, DFP+13, Gur13, JLP10a, JLK11, KKL16, KQ11, LZG19, MBS17, dCMdSGTdC+16, MP19b, NH15, SH12a, SPP18, VAK+19, YL18a, YZMA18, ZLY14]. **Applying** [GWZ11, EZRR10, HCHH12, JM15, MF11]. **appraisal** [PDN19]. **Approach** [YLK10, AD15, Abd18a, Ahn12, AEF15, And12, ÁBÁPM11, ATH18, AB16, Asl10, BQ15, BQ17, Bai19, BS10b, BLS18, BB15, BZZ+10, BM13a, BE12, BK18, BWZ16, BPKM10, CCY10, CW10a, CHL18, CZ11b, dSCM12, CGJ+14, DA16, DA18b, DA18c, DFS11, DMPV10, Dub13, Elb15, ES11, EEBM10, FPW+11, FL11b, Gal11c, GD11, GS11b, HDS11, HH18b, HC18, Hon12, HSC17, ILP14, JSGP16, JNBK13, JRZK11, JK10, JM15, JMST11, KB10a, KG14, KLK15, KC12, KAJ11, KMRN12, KS12a, KSKK11, KT18b, KK19b, KK19c, KdLK19, LZL16, LR14, LTX+13, LZC13, LW17, LL12d, Lin12, LMZ18, LKL+15, Lu11, LZS12, uHS12, Mai16, MBH11, MO14, Mil18, Moh15, MHH11, NH15, NGG12, OKTR11, Özu15, PZAR19, PTP14, PM10, PMA17, PATA11, PDHL12, SD11a, SYG11, SDH13, ST16, SRS11]. **approach** [SH12b, SY18, TL10b, TYY+12, TAPA+17, TT14, TMO13, UCK16, VP11, Von19, WH11a, WAG+14, WY16, WLZ+18a, WKBR18, WD12, Wu11b, Xu11a, XC11b, Yan12a, YKC11, Yaz11, YAS+11, Yüz11, ZB19, ZZ19, gZnZpZbD12, ZHJZ11, ZNWG11, ZL12a, Zha18i, ZC11b, ZG18a, ZHW+11, ZPGW16]. **approach-based** [HDS11]. **approaches** [AJJAD+10, BTEM19, Che11e, LG17, PLKCC12, RS13, ZLL18]. **Approximate** [ASY+11, BAO+12, BKZ17, DM12b, DDK11, GBG11, Gup11, HP19b, HLZD11, HLW19, Lam12, LJ10a, MB10b, SSA12, ARESH18, BF16, Dun18, EOM11, GHR10, GSR14, GN11, LZ11c, NKM15, Oru17, QLT+18, SRM11a, SKPW14, TAS11, TC10, VA11, WZW10, WWXW19, WZC+19a, XCS18, YY15, YKC11, Yao16, ZTC14, ZG14, ZMA10]. **approximated** [LCHZ19, YCLY15]. **Approximating** [Dra11a, FJP18, CL16b, EZM12, HDT11]. **Approximation** [Ahn10, BM11b, Büy10, CFN11, CS12, CAP10, CS11d, Gal11a, GW15a, LD13b, Mah10a, MCN10, PAT12, AH10a, AJT19, AS15a, AM10c, AD10b, Ana11a, Ana12, AK11, Ant10, APwS18, BM12a, BHM19, BGIN13, BGGCGRSP16, BDGS13, BL14, BKY10, Boy16, BV17, BK15, BMP15, CM10a, CB11c, CDG15, CY14a, CCNT16, CHXL18, CP15b, CCBSRFRM11, CC11, CS14a, CR19, Cia16, CFS17, CFLX18, CJRR11, CDD12, DE11, DO11, DE10, DCG+12, fDxZ11, DW18a, DK12, DCKY15,

DFS14, Dun11, EG18, EHL+14, FRSC16, FGHZ17, GMS18, Ge10, GM14b, GJX18, GHL18, HS11a, HVR18, HKS14, HC14, KPS10a, KPS10b, KD11, KP10a, KKS10, KLRW12, LT13, LA11, LZC11, LR15, LL16b, Lin14, LC13, LWL14, LZLL18, Lu12, LvdVX18, LS10d, Mai10, MTN19, Mur08, NMR15, NSYY13, PW18, RMS10, RSB14]. **approximation** [SLK12, SZW11, SI17, Tha19a, Wan16a, WD16, WLL+18, XFL16, XC11a, Yil19, Yil10, Yüz12b, Yüz12c, ZHB11, ZCLW19, ZWH+19, ZG16]. **approximation-preserving** [AH10a]. **Approximations** [BBC+11, LF11a, Akm15, AMD10, ACE17, AS19, Bay19, CS14b, DFG19, DWZ16, FDG+17, FN14, GY15, Gue13, KN12, LMR19, LL12b, LRH13, LPP15, MCP13, MV12, Mor10b, RA11b, Sou11, TMDTTC16, TMCM19, VGK+16, Vel15, WNTW19, YSX+19, Zbo19, ZW11c, ZZX16]. **April** [Ano18-62, Ano18-65, Ano19-52, Ano19-54]. **aquifer** [LS17b]. **aquifers** [LWL14]. **arbitrage** [CCJP11, Sin16]. **arbitrage-free** [Sin16]. **Arbitrary** [Par15, Wei14, AZ15, AHOP18, Gue13, HL18a, HGSL18, LPML19, Liu16a, LRCG16, MJWD19, Ned12, SS19, TS14, XLK11, ZZ11b]. **arc** [Gao11, KSMT11, Par17a, Par17b, TMMASG10, ZD12]. **arc-roof** [ZD12]. **Archimedian** [SP10]. **architecture** [AK12, LWR16, LCT12, SSESG12, WY19b, YLC16, YGH11]. **architectures** [ZMM18]. **arcs** [Lu12]. **area** [CSCM13, HR14, LCT12]. **areas** [NM11a]. **areca** [Hua12]. **argument** [Bic11, XY10, ZL11]. **arguments** [Can11d, Don10a, KMT10]. **arising** [AB16, BN14a, BNR10, CM10a, CL16a, CM18c, CG15, CL16b, CDN19, Du12, ES18, FJP18, GV18, KK15, KFYW11, KS12b, LM18a, LB11, Oh15, RY11, RS12b, SLKK19, Tan18, YYK16, YP10, YYYH19]. **arithmetic** [ÇA14, Ikh11, WLC11]. **arm** [KBGC12, SJS+10]. **Armstrong** [CTS19]. **Armstrong-Frederick** [CTS19]. **Arnoldi** [AEH19, JW10, WTM17]. **array** [ĆCM10, HMF16]. **arrays** [CDW11, Kia18, Wan10b]. **arrival** [CTD10]. **arterial** [SRDD17]. **arteries** [MAN+15]. **artery** [LYY12, SR10b, ZAK18b]. **Artificial** [KP18, OAY11, GH14, HBE14, HBE15, HCHH12, KAG11, MSH10, Naz13, OAKR16, PH13, TLR17, TL12, WLC11, WQNF12, yXpYxZT11]. **ARX** [LSD10]. **ARX-like** [LSD10]. **ary** [ES11, YZGW10]. **ASCAM** [Ano16a]. **ASCAM-2015** [Ano16a]. **Asian** [DNS16, JYK16, ZM16b]. **aspect** [BSK11, CY14b, KYAA10]. **aspect-ratio** [CY14b]. **aspects** [BP11a, GHT+15, TC18, TCM15, ZK16]. **assembling** [RPTD10]. **assembly** [BCG17]. **Assessment** [FBL11, CANA19, HH10a, KC19]. **asset** [BM12a, ES11, GLW18, MVKK14]. **assignment** [LMRS10, MAPS10, RES10]. **assimilation** [CS14b, DNZ+13, RMB+14]. **assistance** [KPL11]. **assisted** [GGVRB19, ZHQG12, FMP19]. **associated** [APRM11, ASN11, ASMEE11a, CS10b, Cvi10, FLDZ12, GW12a, Las10, MP10b, NM11c, NM11b, ORR16, Pov19, Sok10, ZZT11]. **ASST** [VGC+15]. **assumed** [SA16]. **assumption** [Tsi11]. **Asymmetric** [BKE18, Eba14, KV10, MA10b, MC11, MCR11, WL11b]. **asymmetry** [WSC16]. **Asymptotic** [AIIZ10, AJ11, BMA11, BCC14, BG19, CKR10, EPP18, He11, IIHI10, JFC14, KLP17, KJ11, KM11, LPK15, Li14, Mah11, MMMG12, MDL18, Pen11, SISH12, SCBCB+13, SCBCB+17, WW19c, AKL18a, BM10b, BPR18, BM13a, BD19, CC19, Chu10, DD19b, EG10, GÇK10, GMB12, HKI12, HM10, IIHuI10, JKN10, JLL19, KPG13, MWL18, MP11b, MP16, MAB19, MMT18, MY10, Mor10a, Mor11a, NSYY13, PR11, PP12, Rey12, SAIZ15, TTX+16, WY19a, WS10b, Xue13, YY10a, ZMWH18, ZD15].

Asymptotical [WYL19, LCC13]. **Asymptotically** [CCKP15, DSR10, BR12d, CT17a, CS10c, GL17b, GDZ11, KKS10, KA10b, KT11b, LT15b, LLT16a, LLT16b, QHW11, QHT16, SC16, XLT17, ZS11a, ZRC11, ZTZ16a, ZZM17, sHC11]. **asymptotics** [FLDZ12, MZL13]. **asynchronous** [CDFP12]. **Atanassov** [ZW11c]. **atmosphere** [GZW+18, LZ19c]. **atmospheric** [GGM+13]. **attached** [DDK11, Gen11b]. **Attack** [CJP12, CJP15, QCYL12]. **attacks** [JS12a, KLL10, LKLP12, MKA+10, ZHJZ11]. **attainable** [GN11]. **attention** [WZWS11]. **attitude** [KW12]. **attractant** [QMW18]. **attraction** [SG10a, Wan16b, ZMH16]. **attraction-repulsion** [Wan16b, ZMH16]. **Attractivity** [CZ11a, LC10b, YW10]. **attractor** [DHGF17, FNZ13, PP14, WZ18a, YL14]. **attractors** [MX15, ML19b, MN17, SM17, WL17a, XY11, YLG17, YL18b, ZZ16c]. **attribute** [HKHK13, LCCC10, LS10c, Med12, PCK13, WL13a]. **attribute-based** [HKHK13]. **attributes** [NGL10]. **attrition** [GV11a]. **augmentation** [Che11d, CDY11, HH11, SBJ15]. **Augmented** [Liu16e, Bay19, CGO19, DH11a, DBH+14, GRBT16, GOS18, PW10, SWS19, WLW17, WNTW19]. **August** [Ano18-71, Ano18-72, Ano19-64]. **Australia** [VBW10a, VBW10b]. **authenticated** [GLM+11, HPC12, HPY10, NCL13]. **Authentication** [CJP12, KRM+10, CJP15, SPLHCB14, SCKH10, YWK+10]. **auto** [CZ15, MSTB17, WF17]. **auto-adapting** [MSTB17]. **auto-Bäcklund** [CZ15]. **autocatalysis** [GLL14, Zho13]. **autocorrelation** [NWZ11]. **autoimmune** [DDLM13]. **automata** [CM12b, FNZ13, SSM12, SAU11, WPH11, ZLC+11a]. **automata-driven** [CM12b]. **automated** [DRT+15, KBDC12, LL12a, RT11, SSS+11a]. **Automatic** [CCL+12, WNC12, jZsQdLmG19, ZKBE16, ALLH11, KJK18, LWJ10, MBKK10, PAE+12, TNT12]. **Automatically** [LYX11, NCC13]. **automaton** [HBS+10]. **automorphic** [Abb11, CZN11, CZN12, CCD10, MN10b]. **automotive** [CI18, CCKY12]. **autonomous** [CZN11, CZL17, LLP19, PP14, PP12, WL17a, WZ18a, WW19c, YL14, YLG17, Zha18h, ZZ16c]. **autoregressive** [YD12]. **Auxiliary** [AK18, WCD10, CH19, CWWY15, GH15, HCHH12]. **availability** [DLT12, MMR11, Tod12]. **avascular** [Amo18]. **AVC** [CUK12]. **average** [CCL+12, Ili12, Mok11, Tod12, WC11b, YD12, ZDL11, ZSQ+18]. **averaged** [DJD18, Izs15]. **avoid** [KALAS11]. **avoidance** [YMM12]. **Avoiding** [MBJ16]. **Awad** [Pan17]. **aware** [AVV18, AGK15, BMS19, SSM12, VFM19]. **axially** [HKK+16, HL11c, SA16]. **axiomatic** [SH12b]. **Axioms** [CFPP14]. **Axis** [TLR17, CY14b, LZY12]. **Axis-symmetrical** [TLR17]. **Axisymmetric** [LL12b, BGRV15, CZF10, EF14, HLNZ19, LH16, Oh15, OY19, ZYZ+16, ZaY17, ZYZ+17, ZYZC18, Zha18g].

B [FZBF10, FAIV10, JKZ11, LZZ11b, CQRW11, GW15a, GMI11, GMI12, HH15, KB19, KPG13, LXL14, MRS15, MD15, Moh15, PZJ+16, PZAR19, PLT+19, TWLYÖ10, TTX+16, YZ19, ZJB19]. **B-spline** [GW15a, GMI11, GMI12, LXL14, MD15, Moh15, PLT+19]. **B-splines** [CQRW11, HH15, KB19, MRS15, PZJ+16, PZAR19, TWLYÖ10]. **B-type** [TTX+16]. **Babuska** [DFG+18]. **Back** [KRM+10, MS13, MTV13, CEF+13, OKTR13a, Ste16]. **Back-propagating** [MTV13]. **backbone** [LLWZ11]. **background** [FGY+17]. **Bäcklund** [CZ15, zLYmL18, LSX13, WF17, WF18]. **backorders** [CB10]. **Backward** [AGU14, AJY13, ACTB19, DE11, DH16,

HXX19, LX12a, LLML15, LHTL19, Oan13, PH19, SCSF19, Tha19b, THD19, TNV19, WL12b, WZ18c, ZZWG16]. **Backwards** [YLG17]. **bacterial** [IL13]. **baffled** [WFC16]. **Balakrishnan** [HH18a, HW19a, KLP17, LPK15]. **balance** [AP19a, EZRR10, FZBF10, KAA19, Yaz11, YAS+11, YASK10]. **Balanced** [HLC11, Chu12a, FM18, FR16, LX18, MDBCF16, XL11, Yan10a]. **balancing** [YZ15]. **Balkan** [ZGD13]. **ball** [BJLZ12, XLD11a, XLD11b]. **ball-joint-like** [BJLZ12]. **ballast** [CCKY12]. **BAM** [BV11, LHW11]. **Banach** [KK11b, KYR11a, BKT11, BHM12, CsH10, CB11b, CS11d, CS11b, CS11c, CSN11, FL14, HLWX11, HRMS12, KK10a, KKS10, KYR11b, KT11b, Lad16, LjHO10, LLX11, Nil11, PCM12, RGdSRLAJ10, SK11a, SCC12b, WD10, XLK11, ZLL11]. **band** [DIS19, Gos10, Sön11]. **band-limited** [Gos10]. **banded** [BDS15, LLCG16, MY13]. **Bandwidth** [WZ17a, QZY11, WL11a]. **bandwidths** [LLCG16]. **Bankruptcy** [Che11e]. **Bapat** [LX10a]. **barotropic** [eMA18]. **barrier** [CXZ15b, CKM12, DH17, FSRB15, FSB17]. **Barycentric** [Wac11, Gue13]. **basal** [GB18]. **baseball** [ALHZMC+19]. **based** [AM10a, AFGL10, AK12, AMA14, ALLH11, ALLQ13, AdSSS19, AD11c, AOW18, ATH18, ABK10, AuIK11, BJLZ12, BPC17, BEAA11, BPM12, BC15, BBR10b, BJS15, BM18b, BMM12b, BLS17, BH14, BMS12, BR16, BM18c, BMP15, CB11b, CBBE16, CD14, CDP16, CCHG17, CR18a, CB19a, Che12a, CQLX11, CDY11, CC11, CLW11, CCH+12, CL12c, CXZ15b, CM19a, CHY19, CHT11, CTZ17, CLMM18, CPT15, CJP12, CJP15, dSCM12, Cos18, DHQ11, DH11b, DA16, DM16, DA18c, Dej11, DB15, DYX11, DVY14, DK14, DGOZ13, DBEE11, DMRS18, DDM+18, DWI+12, DCKY15, DGLU18, DM19b, DH16, DNZ+13, DLQ16, DNR13, Eba11, ES10, EE10, ESL11, FSH10, FJC16, FXC18, FNZ13, FGY+17, FZ19, FWW14, FG18, FLLF10, FPW+11, FL11b, FN14, FLP13, FLWJ11, GGAV18, GACMO13, GVJ13, GCE18, GGS16, GUK13, Gha17, GF16, GOT19]. **based** [GJX18, HDS11, HNK13, HZ10, HHY+11, HC18, HAESLB14, HLB14, HSMT19, HD14b, HSC17, HCHH12, HCL12b, HYS+14, HWW13, HXS+15, HM18b, HD19, HPY10, HKHK13, IK12, JPCY13, JCWZ16, JW19b, JMNZ19, JK11c, KSPP11, KEHB18, KWPK13, KJK18, KK13b, KRP12, KK14a, KTDT17, KPP13, KH18, KX12, KSO16, KTH13, Ku15, KV18, KPL11, KORR10, LZ11a, LHL12a, LWWY12, LLH14, LG17, LLG+11, LXZ13, LJJ11, LD11a, LHHZ12, LZH12, xLlFwWL12, LY12b, LY13, LTX+13, LLML15, LSZ16, LZ15a, LSC17, LTLL12, LLH10, LW11c, LL12d, LYL12, LNKU12, LCCC10, LW10, LLX+10, LS10c, LLG10, LXF11, LGH+11, LHL12b, LGL+14, LHL14a, Liu15b, Liu16e, LYSZ19, MSH10, MJWD19, MWWL11, MM18c, MHL11, Mok11, MR15, NKM15, Naz13, NM11a, NCL13, fNS11, OHMAK18, Oru17, PGQ16, PC11a, PXXZ16, PGDL18, PMM17, PZJ+16, PZAR19, PGW19, PBK19, PKTH13, PATA11, Pov12b, PB13, QKR19]. **based** [QXLL11, RSL+18, RKA+18, RH15, RKW12, RWTW19, RFP11, RF12, RC18, SPLHCB14, Sag10, SH11, SWOF19, SBKS12, SBB+18, SR16, gShYL10, Sha12a, SLXC11, SC13, SS17, SCC+12a, SGK18, SSM12, SCKH10, SGZW18, uIAH10, SJS+10, Sul16, SYL10, SLZ11, SCGW18, ST12, THZ+11, TL10b, TH19, TNT12, TZXP11, TMDTTC16, TMLF19, TT12, TRL19, UKAL10, VC12, Ver08, Ver12, VAK+19, VKJ13, VZM14, VHPVNXW18, WSL10, WCD10, WZW10, WYD10, WSS10, WZCC10, WXYW11, tWqLzGkP11, WMZW11, WWZ12, WRW13, WLT13a, WL13a, Wan16a, Wan19a,

WZWS11, WFL11a, WZKY12, WRW+19, Wei14, Wei17, WMW13, WD12, WBA+18, WBN18, WWH12, WPH11, WTC+12, WY19b, XY16, XCM12, XJYL17, XJ18, XDL12, YT18a, YXYH10, YY12, YC12, Yan12a, yYqWqZC13, YH15, YD12, YLC12, YGH11, Yoo17, YZMA18, hYlLL11, YNS+14, Yüz12b, ZB19, Zbo19, ZJ10a, ZDL11, gZnZpZbD12, ZHY14]. **based** [ZL14b, Zha15a, ZYZ+16, ZCY16, ZS16, ZY17b, ZYZC18, ZFY+19, Zha19a, Zha19b, ZHL12, ZcHS18, ZJZ+11, ZWJ+11, ZLY12, ZGZ13, ZHW+11, ZC11c, ZXW13, ZD12, jZsQdLmG19]. **Bases** [DM18, Ben17, Erv12, ID10, JW05, MP10b, Wac10, XSLS11, Yil10, YSS11b]. **Bashforth** [LLML15, PIAH10]. **basic** [Das15, Kir10b, RF12]. **basin** [SG10a]. **Basis** [MvS18, PGQ16, BM11a, BS15a, BASW18, Ber16, BL14, Boy10, BM13b, Che15b, CJN19, DHQ11, DDMQ19, DO11, DAM14, DM16, Dej11, GK18, HT12a, HT13, HT16b, IQR16, KKT13, KRP12, KY11, LW19a, MFSL19, NMR15, NB17, PT15, RKP12, RFK16, RKF18, RA12, Saj14, SL16b, TMDTTC16, Wei14, ZC16, Zha18d, ZcHS18, ZZL18a]. **basis-finite** [MFSL19]. **basket** [SL16b]. **batch** [CTD10, KPP13, KX12]. **Bates** [BC16]. **BATMAN** [KHIB12]. **batteries** [CD19]. **battery** [JLD19, YLH12]. **Baxter** [DT16, DD16, RWW18]. **Baxter-like** [DT16, DD16, RWW18]. **Bayesian** [ASB12, DGLS19, DNS18, GACMO13, TZMZ12, VJM15, YC10a, YMSL11]. **Bazilevic** [ANR11]. **BBM** [RS18a]. **BCC** [AS11a]. **BCC-algebra** [AS11a]. **BCI** [JLK11, MZJ11]. **BCI-algebras** [JLP10a, JLP10b, JLK11, MZJ11]. **BCK** [JLP10a, JLP10b, JK11c]. **BCK-algebras** [JK11c]. **BCK/BCI** [JLP10a, JLP10b]. **BCK/BCI-algebras** [JLP10a, JLP10b]. **BCR** [LM18c]. **BDDC** [KCL14a, TW18]. **BDF** [QX19, Yan15]. **BDMk** [Ben17]. **be** [RS12a, Swa10]. **beaches** [FER15]. **Beam** [WRW+19, AML+14, BMAR18, BDO11, KLTS11, LZ12a, MR15, RSP18, SA16, SM19, TAS11, YW11b]. **beam-columns** [YW11b]. **beams** [HL11c, LMR14, RYK13, TAA14, WY18a]. **bearing** [CJ12, MH11, Wan12]. **Beavers** [HQ19]. **bed** [IL13, PLMS14, RMK19]. **Beddington** [LY11c, WWG10, YX16]. **beds** [ZLC+11a]. **bee** [HCHH12, PH13, TL12, WQNF12]. **behaved** [TTC14]. **behavior** [AKL18a, CFRS10, CC19, CO19, Don10a, GZZ+16, GÇK10, GMB12, GF16, HBS+10, JFC14, JLL19, Kar10b, KJ11, KM11, Li12a, Li14, Li19a, MWL18, MY10, PR11, Pen11, PSD+13, PP12, RMA10, SK14a, ST14, TM18, WW19c, WY19a, WS10b, Ye17a, YZAX10, YCS19, ZYG10, ZW16a]. **behaviors** [AÇT11, Chu10, GZD18, TTX+16, ZTZJ14, ZC11b]. **behaviour** [AJ11, HAESLB14, Sha18, YZ15]. **behaviours** [HMP+15]. **Beketov** [Dos10]. **Bell** [Ikh11]. **Bellman** [YYYH19, CC11, HX10, Yan10b]. **Belousov** [LV11]. **Beltrami** [PL17]. **BEM** [BPC17, BS15b, BN16, Bol16, FMPR15, FH17, FP18, Kat11, MT19a, OP14, Wei14, Wei17, Zha17a]. **BEM-based** [Wei14, Wei17]. **BEMD** [TZXP11]. **Bénard** [RGVR17, FST19, Ma18b]. **Benchmark** [HAESLB14, HLB14, SPT17]. **Benchmarking** [OVV+16, RHC15, PTH+16]. **bending** [CCN14, GF16, LMR14, MM13, MG15, SSL14, VĆC10]. **benign** [CB19a]. **Benjamin** [CdR18, DAM14, HGHA19, HS12, KB19, NNWAS11, Oru17, YL18b]. **Benney** [Gup11, WY16]. **benzenoid** [DYX11]. **Bernoulli** [MP16, Kim10, MP11b, Öza11, OSS10, SPST18, TT14, YK18, ZB19]. **Bernstein** [CMGR11, JLCS10, OÖ11, Tac11, WFL11a]. **Bernstein-type** [CMGR11]. **Berselli**

[ZWY19]. **Besov** [MP11c, QY17, QaY18, RA19, Via15, Zha18e, Zha18f]. **Bessel** [Sat11, She18b, YSS11a, YSS11b, Yüz12b, Yüz12c, Zhu10]. **Best** [DE10, XCS18]. **beta** [OCNG12, YYLW19]. **Bethe** [RT10]. **better** [Liu14]. **between** [Ala10, AJ12, BTEM19, BCF10, CM18a, CP16a, mCfX10, CFB11, DT11, Din10, EAMA19, FAIV10, GK16, HVA10, KRCJ11, LJK+19, LGH+11, ML19a, MNJ+13, RGdSRLAJ10, SPH10, Tia11, xYsHjL11, ZJB19, ZLZG11]. **beyond** [LZS12]. **Bézier** [Ahn10, AM17, UMY11, Dej11]. **Bézier-based** [Dej11]. **Bezout** [WW10b]. **BGK** [CZ11b, LF11b, LLG10, LGH+11, PGW19]. **BGK-based** [LLG10, LGH+11]. **bi** [CT10a, CD16, DNS15, LBH+12, RFP11, RF12, XZR16, XS10]. **bi-fuzzy** [XS10]. **bi-iteration** [DNS15]. **bi-Newton** [DNS15]. **bi-nonlocal** [XZR16]. **bi-objective** [LBH+12, RFP11, RF12]. **bi-projection** [CD16]. **bi-quasi-variational** [CT10a]. **biaxial** [LL12c]. **BiCG** [XW19b]. **BiCGStab** [SL16c]. **biconjugate** [Haj18a]. **BiCOR** [ZHJD13]. **BiCORSTAB** [GHC+15b, SJHC14]. **BiCR** [GHM+14, XW19b]. **BiCR-type** [GHM+14]. **bicyclic** [ZYS10]. **bidirectional** [BHZJ19, GH12a]. **bidomain** [LRBA15]. **bifunction** [NN12]. **bifurcate** [CD10]. **Bifurcation** [ABN18, BF11, CWW19, CJ12, DGA18, KL19, MW17, Wan12, ARK13, AGU14, CW15a, CM13b, CO19, CHH14, DWY15, GLL14, LYZ11, LW15, LWN15, Li17a, Li18a, LS19b, LPY16, MG16, RYK13, SCSF19, SZ14, TZ13, WY11a, ZLC11b, ZZW15, ZZC13b]. **Bifurcations** [AZ10, BBDS11, CSW11a, CS13]. **biharmonic** [BPS19, BRR16, DN18a, DK18, Gha17, GNP14, HHG14, Kon16, Moo18, MWY17, ST19, WW14a, ZC17]. **biholomorphic** [XL10, XL11]. **bijective** [GXZ10]. **bilateral** [BDS17]. **bilayer** [FG18, KHWK10]. **bilevel** [LLW10, WZW10]. **Bilinear** [WF18, CLH13, DTYZ18, DFS14, FSH10, FW18, FGHZ17, GZZ+16, GS19, LC12a, MF11, NSYY13, ÜM16, WLZ+18a]. **billiards** [CCF13]. **bimolecular** [Zho13]. **binary** [DLF+11, FOX11, GT15, GT16, LLSW10, MMHGM17, SR10a, SKST10, TC18, WK13, XDL12]. **Bingham** [CD16, FKF13]. **bio** [Sen12]. **bio-mathematical** [Sen12]. **biobjective** [LLW10]. **biochemical** [NCV+18]. **bioconvection** [MMFT+19, UABK16]. **biodegradation** [BDB12, DK14]. **biofilm** [CAC14]. **biofilms** [DEFP11]. **biogas** [DK14]. **biogeography** [LY12b]. **biological** [LB11, Mag10, SD11b]. **biology** [CFB11, HY13, YP10]. **biomass** [WHLC11]. **BIOMATH** [AM12b, AM13d, AD14]. **biomechanical** [DRT+15]. **biomechanics** [GDF12]. **biomedical** [CGS12]. **bioreactor** [AM12a, BDB12]. **bioreactors** [IL13]. **Biorthogonal** [BS15a, VT11]. **biosciences** [CLM14]. **Biot** [BKR+19, CR18a, Fu19, HMY18, RDE+17, RTT17, RTL19]. **Bipanconnectivity** [Yan10a]. **bipancyclic** [MW11]. **biparametric** [GK11a]. **bipartite** [YA11]. **bipartition** [ABK10]. **biped** [SCC+12a]. **birth** [AF13, AGD10]. **birth-death** [AGD10]. **births** [GCG12]. **bistable** [CS16, She16]. **bisymmetric** [HA18a]. **bit** [CKK+10, CSCM13, ĆCM10, FVVS16]. **bit-plane** [ĆCM10]. **bit-serial** [CKK+10]. **bivariate** [Dej11, LW11d, OCNG12, ST16]. **BKP** [CZ17, Elb11, TZ15, bZM17]. **BL** [YZ10b]. **BL-algebras** [YZ10b]. **Black** [Bho14a, Bho14b, CHXL18, CXZ15b, CWY19, Dav17, DH17, HG18b, Jum10, LC13, Moh15, WY19a, ZLTY16, ZH18b]. **blackjack** [Coo10]. **Blaschke** [CQRW11]. **blast** [XWL18]. **blending** [LXL14]. **blind** [DM19b, FSH10, PXT10, WNC12, YXX11]. **BLMP** [KT18b]. **blob** [YKKS10]. **Bloch**

[AET19, BDGBM11, BDGBM12, CLA19, LFAL19, Pet11, QLT+18]. **Block** [CBS18, CL16b, DFS14, MBH11, AEH19, AJY13, AT18a, CDP16, DDM+18, DBS12, HM17d, HMZ18, JK10, JW10, LS11b, LR17b, LS17b, NKA18, SBJ15, WmN13, YXYH10, ZZ15a, ZYW17]. **block-based** [CDP16]. **block-centered** [LR17b, LS17b]. **block-grid** [DBS12]. **block-structured** [JK10]. **block-triangular** [ZYW17]. **blocked** [AM11]. **blocking** [LA11]. **blocks** [HH11]. **blogs** [FPW+11]. **Blood** [SR10b, MAN+15, SRV10, WH11a, ZAK18b]. **blossoming** [ST16]. **Blow** [DG10b, DS18b, DZ21, HGW18, KB15, Li18c, Liu13, LLY13, LWSL19, LW19b, MF18a, Sam19, SD19, Tan17, TF17, Bag17, CC17, CCP19, Din13, DL18, FIW17, HL18a, HGSL18, LX15a, MF18b, MTAS17, NT17, PQBK17, SNSK19, SRG16, SLW18, Tia17, Wu16, XZ19, Zha18e, ZSL19, ZZ10b, ZY15c, Zho16]. **Blow-up** [DG10b, DS18b, DZ21, HGW18, KB15, Li18c, Liu13, LLY13, LWSL19, LW19b, MF18a, Sam19, SD19, Tan17, TF17, Bag17, CC17, CCP19, Din13, DL18, FIW17, HL18a, HGSL18, MF18b, MTAS17, NT17, PQBK17, SNSK19, SRG16, SLW18, Tia17, Wu16, XZ19, Zha18e, ZSL19, ZZ10b, ZY15c, Zho16]. **blowing** [Nab19, UABK16]. **blowing-up** [Nab19]. **Blowup** [Yu17, BS16a, ZY17d]. **BLP** [KKK15]. **blue** [HMSC10]. **bluff** [Özd18]. **bluff-body** [Özd18]. **blurred** [LHLH15, YZM+19]. **Board** [Ano10b, Ano10c, Ano10d, Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano10j, Ano10k, Ano10l, Ano10m, Ano10n, Ano10o, Ano10p, Ano10q, Ano10r, Ano10s, Ano10t, Ano10u, Ano10v, Ano10w, Ano10x, Ano10y, Ano11a, Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano11j, Ano11k, Ano11l, Ano11m, Ano11n, Ano11o, Ano11p, Ano11q, Ano11r, Ano11s, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano12k, Ano12l, Ano12m, Ano12n, Ano12o, Ano12p, Ano12q, Ano12r, Ano12s, Ano12t, Ano12u, Ano12v, Ano12w, Ano12x, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano13l, Ano13m, Ano13n, Ano13o, Ano13p]. **Board** [Ano13q, Ano13r, Ano13s, Ano13t, Ano13u, Ano13v, Ano13w, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano14u, Ano14v, Ano14w, Ano14x, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t, Ano16u, Ano16v, Ano16w, Ano16x, Ano16y, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i]. **Board** [Ano17j, Ano17k, Ano17l, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q, Ano17r, Ano18a, Ano18-27, Ano18-28, Ano18-29, Ano18-30, Ano18-31, Ano18-32, Ano18-33, Ano18-34, Ano18-35, Ano18-36, Ano18-37, Ano18-38, Ano18-39, Ano18-40, Ano18-41, Ano18-42, Ano18-43, Ano18-44, Ano18-45, Ano18-46, Ano18-47, Ano18-48, Ano18-49, Ano18-50, Ano18-51, Ano18-52, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano18m, Ano18n, Ano18o, Ano18p, Ano18q, Ano18r, Ano18s, Ano18t, Ano18u, Ano18v, Ano18w, Ano18x, Ano18y, Ano18z, Ano19a, Ano19-27, Ano19-28, Ano19-29, Ano19-30, Ano19-31, Ano19-32, Ano19-33, Ano19-34, Ano19-35, Ano19-36, Ano19-37, Ano19-38, Ano19-39, Ano19-40, Ano19-41, Ano19-42, Ano19-43, Ano19-44, Ano19-45, Ano19-46,

Ano19-47, Ano19-48, Ano19b, Ano19c]. **Board** [Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l, Ano19m, Ano19n, Ano19o, Ano19p, Ano19q, Ano19r, Ano19s, Ano19t, Ano19u, Ano19v, Ano19w, Ano19x, Ano19y, Ano19z]. **bodies** [BR13a, KP19b, MGN+16, NB11]. **body** [DTR19, HMY15, LZZC12, LCT12, Özd18, SEM13, WZC+19b, YGR11]. **Bogoyavlenskii** [AKMUH17, CM18b, zLYmL18, MCKM12, WF17, WF18, XX10, YS16a]. **Bogoyavlensky** [Abd18b, LCW19, Ray17]. **Bogoyavlensky-Konopelchenko** [Ray17]. **Bohemia** [RB19]. **boiling** [BRFH16]. **Boiti** [ES17, LM18a, Liu18a, LZM18, MR17, PTZ19]. **Boiti-Leon-Manna-Pempinelli** [MR17]. **Boltzmann** [GGGR17, SKTC19, AvB16, ASFM15, AM10b, AML+14, ABR+14, ADGG13, ADGL14, AYY12, AJS14, BRFH16, BV10, BR13a, BS18b, BFS15, CYP16, CZY11, CWH13, CCSZ14, CCY18, CS18, CZ11b, CLL11, DL16, DSK+14, Del13, DZW+15, DLT10, DL11, Dub13, DJD18, EN11, EAAS18, EAMA19, FIVM17, FIMV18, FVVS16, FES+19, GWR+18, GLW13, GZR+13, GSPK15, GUK13, GR10, GD10b, Gol13, GM14b, GSZ11, HP19a, HZ10, HBK+19, Hei10b, HG16, HS18, HMSC10, HBE14, HBE15, HTL10, HSC17, HYS+14, HLSN15, HLSN16, HL18b, HLNZ19, HWyL11, Ima17, JK10, JLD19, JQG14, KS15a, KTH13, KVR11, Kup11, KGM11, LMPE18, LD13a, LWR16, LDS10, LZZC12, LCS15, LCS18, LSC17, LLML10, LYN11, LG13, LGL+14, Lóp19, LBL14, MMHGM17, MPGW19, MJ14, OKTR11, OKTR13b, OAY11, OHK+19, OF16, PLR15, PTH+16, PD11]. **Boltzmann** [QKR19, QWGJ15, RSL+18, RKA+18, Rhe10, RJGS+19, SSHH+18, SK14a, ST15, SPT17, Sag10, SKG+11, SL18a, SG11b, ST14, ST18, Sle13, Ste16, SKFG11, SKTC15, SZP+11, TR14, TTT10, THC+18, TDM13, Tro13, UMLF13, VMC+14, WXYW11, WH11a, WWLL13, WAG+14, WSC16, WLA18, WMP+19, Wan19a, WL13b, WTSS10, WHQ+18, WZHW13, WGY+18, WCZ+19, XZ11, YY11a, YLY12, Yan10c, YB13, Yan13, YSW16, YKKS10, YZMA18, YCW+14, YNS+14, YCS19, ZCSG13, ZZX+14a, ZZX+14b, ZY15a, ZY15b, ZSW15, ZYZ+16, ZYZ+17, ZYZC18, ZHW+18, Zha13, ZM16b, ZHW+11, ZZC13a, ZZC13b, ZPGW16]. **Boltzmann-level** [ST15, SPT17]. **Bona** [CdR18, DAM14, HGHA19, KB19, NNWAS11, Oru17, YL18b]. **bond** [EHO+12]. **bonds** [ZLL18]. **bone** [CSU13, GGL13, NCV+18, SS13]. **Boolean** [LZH12]. **Booleans** [BGF15]. **Boosting** [TNT12]. **Boosting-based** [TNT12]. **bootstrap** [HLC11]. **bordered** [Abd18a, JL15a, JL19, JL20, Mar16]. **borders** [AY18]. **Borel** [ET12]. **Born** [KY10]. **borne** [LZ11b]. **borrow** [CM18c]. **Bose** [ZHS+19]. **bot** [KWPK13]. **both** [Gen11a, He16, YZMZ16]. **bottom** [SZA+18]. **Boubaker** [CM11a, YMDZ10]. **bounce** [OKTR13a, Ste16]. **bounce-back** [OKTR13a, Ste16]. **bound** [AJ12, CChL14, DESV18, DBH+14, DP15, KP10b, WZ10, YLB16, ZY15c, ZSY19]. **boundaries** [ANP19, BP18, DL16, FGL10, Gol13, SDH13, SG10a, Yan10c]. **Boundary** [AJRWS12, AAH+18, FHS18, MY10, SbX19, WH11b, Ye19, ZMM18, ZYT+16, ZKWW17, ZHC17, AEG18, AA11, AN11a, ANP11, AW11, AN12, AH11a, AIIZ10, AA18, AER12, Arq18, BZ10, Bai11b, Bai12, BS12a, BNR10, BCD+16, BG19, BCJ19, BJPT16, Bic11, Bog11, Bol16, BT14, BRR16, Boy16, BHH16, CHS11, ÇT12, Cha11a, CHBTD14, Che11d, Che12b, CRXL15, CCCW16, CLL19, CR19, CLJ11, CH17, CHS18, CX18, DPBL16, DGB10b, DL10, DGL12, DN10, DH11b, DA18c, DG10b, Din13, DSM18, DGK10, DBEE11, DB12, DZO+19, DMV11, DBS12, DLT10, ESN10, EF14, EE18,

FIVM17, FIMV18, FMS19, FWFL11, FP19, FPB17, FBTS19, FH16, Fer11, FM12b, FXCC18, FES+19, GG18, GWZ11, GCE18, GB16, GH14, GGGR17, GMI12, GKM11, GR13b, GHCZ18, GW12c, GR15, GF19, HSK11, Hak14, HZ10, HLWX11, HP13]. **boundary** [HH17, HKS19a, HYCP11, HL11a, HL11b, HSWZ11, HBE14, HBE15, HD14b, HW19b, HXL11, HYS+14, HLSN15, Ibr16, Jan10, JM15, JPK17, JPK18, JL11b, JZ11, JK18, KAG11, KA10a, Kar17, KP10a, Kaw15, KKBR19, KFYW11, KS12a, KJ11, Kim11, Kim15, KZ16, KPK18a, KSF14, KHF+19, KVR11, KYA15, LS19a, LC11a, LVF+16, LN98, Li10c, LLZ10, LCW10, LYZ11, LW11a, LW11b, LS11a, LL11, LZ12a, LJSK13, LCK13, LY15, LH16, LFC16, LCP16, LS16, Li19b, LPML19, LJ10a, LZ11e, LZ11d, LZ14, LJ10b, LLML10, LHF11, LCZ11, LLL12, LS12a, LS12b, Liu12, Liu13, LLY13, Luc10, LWC13, LDHH13, Ma10a, MM10a, MDVM17, MCR11, MA17, MT10, MDG19, MW14, MV11, MN10a, MS12b, NKM15, NNAS11b, OKTR13a, PC11b, Par18, Pit12, Pov12a, QWL19, QCG15, RBB12, Ran15, REHA11, RCH19, RR14, SC19a, Saj14, SMF17, SDH15]. **boundary** [SDH13, SD19, SKPW14, SPST18, uIAA15, SS18b, SG16b, SKM11, Sta11, Ste16, SZ11, Su12, SZW11, SLL12a, SZ12b, Tan17, THC+18, TB10, TAA14, Tur10, WZH10, WWA11, Wan11, WAZ11a, WZF12b, WZM+16, WS17, WW18b, WCH18, WZC+19b, WCCS15, WCZ+19, XD17, XWY11, XZC12, XLD11a, XLD11b, YK18, YY15, YY10b, Yan11c, Yan11d, Yan12b, YZY10, YC10b, Yas12, YDL11, YNS+14, YK17, ZLS19, ZSH11, ZYWZ17, yZjM10, ZJ10b, Zha10, ZBF11, Zha11c, ZS11b, ZD11, ZSQ+18, Zha19c, ZSS10, ZL10b, ZHW+11, lZxLhY12, ZS18, dPLM18, uRK11]. **boundary-domain** [BCJ19]. **boundary-lattice** [FES+19, HYS+14, HLSN15, WCZ+19, YNS+14]. **Boundary-layer** [Ye19]. **boundary-layer-resolving** [Boy16]. **boundary-type** [FXCC18]. **boundary-value** [AEG18, Pov12a, SKM11]. **Bounded** [Bog10, LXK11, TD10a, AaC19, AA10b, AA10c, BCB11, BR13b, CDM12, DG13a, Das15, EAEH18, FSTN18, FST19, HY18, HWW13, KS11, LKU10, LWKK10, LZKU11, MDRRV11, MD18, NNAS11b, NNAS11c, NUH12, PB12, Wan16b, WZ18c, XL11, ZWH+19, ZH18b]. **boundedly** [MM10b]. **Boundedness** [Gao12, MM12, QMW18, WPL16, WHZL17, Wan18, WS10b, ZT19, ZW16a, ZMH16, ZW16b, LMY19, Sed13, WW11a, YÇG12, YDW15]. **bounding** [Kaw15, fNS11]. **Bounds** [BS16a, CWQJ12, MF18b, Tia17, ARK13, AJ10, Bag17, DLS18a, DWZ16, HGSL18, Ipe12, LMR19, LD13b, LA11, LY10a, MP11a, Nie10, Pul16, SRG16, ZP18a]. **Boussinesq** [CN16a, CGO19, JZL18, KKD13, LB18, QY17, SMYK19, WD16, Ye16, Ye17b]. **Boussinesq-like** [SMYK19]. **Box** [WYD10]. **boxes** [HSMG12]. **BPES** [CM11a, YMDZ10]. **BPS** [LXZ18]. **brain** [CB19a]. **branch** [KL19]. **branching** [ASB12]. **Bratu** [EM19, SMK18, AP10, Moh14, RSM17, VAB12]. **Bratu-type** [AP10, VAB12]. **breakdown** [CCCW10]. **Breaking** [CDG16, KTK18, ML19a, Osm18, XX10, YTD+18, ZDM11]. **breakwater** [LFC16, VHPVNXW18]. **breakwaters** [LGH+11]. **breast** [FIS18b, LW12c]. **Breather** [LZ19c, PTZ19, ZCZ17, CZ18, DTYZ18, HTY+19, LD11b, WTYZ17, YTD+18, ZDM11]. **breather-type** [ZDM11]. **breathers** [YHC18]. **Breeding** [KALAS11]. **Bregman** [CX16, SCC12b]. **Brenke** [VSI12]. **bridge** [MX15]. **bridges** [TL18]. **Bright** [HTWS15, CDW11, QTW+18]. **bright-dark** [QTW+18]. **Brinkman** [AB10b, GS18, GOS18, ILS13, MR14, RTL19, ZMFL18].

Brittle [Yoo17, MPS18]. **broadband** [HKW15]. **broadcast** [IC12]. **broadcasting** [HB12a]. **Broer** [DYH11, ZA15]. **Brownian** [BH11, Dun11, MP11c, TC16, WL11d, XaZH19]. **Bruijn** [SD12b, XCXW10]. **Bruno** [XW10, XC11b]. **Brute** [CJP12, CJP15]. **Brute-force** [CJP12, CJP15]. **bubble** [ABR+14, CZY11, HL12, PC14, QWGJ15, ST15, Zha18c]. **bubbling** [ZLC+11a]. **Bubnov** [CKSL+14]. **Buckling** [YW11b, ATH18, ATH19, BKE18, BL14, GBG11, HL11c, RYK13, VLFS12, ZW11a]. **budget** [Lin10a, Lin11, WL11a]. **budgeting** [ZHT11]. **Bulgaria** [GGM+13, Sen12]. **Bullen** [THH12]. **Bullen-type** [THH12]. **bump** [ALHZMC+19]. **Burger** [EK16, GM14a]. **Burgers** [BHJ14, aZW17, AB10a, AJAR18, Bra10, DGA18, DS18a, DAM14, EMQ18, HGHA19, HA10, KB19, KSMN11, LCS18, LGZ19, LL10a, LMDL11, LZZ11a, LWZ16, MDRRV11, MK17, Oru17, RC17b, Sah17, YGS17, YYLW19, ZTC14, ZYZ11, ZSD10]. **Burgers'-type** [BHJ14, YGS17]. **Burr** [WL11b]. **business** [CSSW12]. **Butcher** [CM14]. **butterfly** [BBM18]. **buyer** [BO10, KGJ11]. **BVP** [HY10, HL11a]. **BVPs** [DC10, FRSW11].

C [LWD15, KRD16, XA13, AM11]. **C-M** [LWD15]. **C/O** [XA13]. **CA** [JL12]. **cable** [ABH12, KSMT11]. **CAD** [LZL+18]. **cage** [DGGBTRJF12]. **cages** [BFG11]. **Cahn** [AEH18, BN14b, BMH19, CHY19, DFJS10, GR19a, GGT14, LL14a, Lee16, LS19a, LLJK10, LJSK13, LCK17, LQMW18, LJK+19, LCWZ18, LLYL19, MSW18]. **Calaogero** [JPB11]. **calculate** [HD14b]. **calculating** [BGRS11, JCF19]. **Calculation** [HK10, SST19, FLP13, GN11, JPCY13, YZMA18, ZKBE16]. **Calculations** [LHZ+11, BO18b, WY19b]. **Calculus** [DLS14, AT11, Ana10, AE12b, CPT15, DSVS15, EKE18, GS11b, Hol11, Kir10a, Kir10b, Mag10, MT12, OMT12, PAT13, Sal10, Uze10, VBCJ10, dCM12]. **Calderón** [DLS14, DSVS15, GGR19, SBB+18]. **calibrate** [HZ16]. **calibration** [SYZ19]. **Call** [KRM+10]. **Call-Back** [KRM+10]. **calls** [CCL+12, LZL16]. **Calogero** [AKMUH17, CM18b]. **Camassa** [LXY19]. **Camellia** [Rob14]. **Camera** [GMAM12]. **Campanato** [LZG13]. **CAMWA** [VBW10a, WWW11a]. **cancellous** [GGL13]. **cancer** [Amo15, FIS18b, GL17a, KC19, SSM+17, SNSK19, SD15b, VJM15]. **cannibalism** [BP13, LLY18a]. **cantilever** [GB18, KLTS11]. **Cantor** [ZZT11]. **cap** [LWJ10]. **capacitance** [LLG+11]. **capacitors** [ZLG+10]. **capacity** [CCH+12, RZL11]. **capillary** [BMSS18, CP15a, TG14, Tao18]. **capillary-gravity** [TG14, Tao18]. **capital** [ZHT11]. **Capped** [LX10b]. **capture** [IS14, ZOZZ12]. **capturing** [LX12b]. **Caputo** [Abd11, AVR17, AJT19, AR17, MT10, MV17]. **Caputo-Fabrizio** [AVR17]. **Carathéodory** [KC10, MG11, SOS11]. **carbon** [Kia16, Kia18, PvdM13, RYK13, TZ18]. **cardiac** [CT17c]. **cardinality** [KST10]. **cardiovascular** [RKD18]. **Carleman** [ZYY10]. **Carlo** [AEF15, AGK15, DGLS19, HC18, Li12b, Mil18, MDW13, PA15, SWOF19, VMC+14]. **Carlson** [CS10a]. **CARMA** [YD12]. **Carreau** [GK16]. **carrier** [LCT12]. **carrying** [ZWL11]. **CART** [FNZ13]. **Cartesian** [Bac14b, FGY+17, LZZC12, LNW19, QCLC17]. **Cartesian-mesh** [LZZC12]. **cascade** [FLWJ11, KYY12]. **Cascaded** [GUK13, FIVM17, FIMV18, HP19a, LBL14]. **Cascadic** [Bac14c, HRHP17]. **case** [CM11a, CNV14, CST14, DG13a, FIW17, Izs15, LMW10, RPTD10, SXB+12, ZMG10]. **casing** [EPP18]. **CAT** [AE12a, KA11].

cataloging [LEP11a]. **catalyst** [SCA14]. **catalytic** [GRW14, Kei13]. **catalyzed** [ABN18]. **Categories** [XS10]. **categorization** [MLY11]. **catheterized** [SR10b]. **cathode** [AaC19]. **Catmull** [PXXZ16]. **Cattaneo** [XWH16, QXG13]. **Cattaneo-type** [XWH16, QXG13]. **Cauchy** [AM10c, AKA11, BKMT14, BKMT17, BCJ19, DG10a, FPB17, Fur13, GKK11, HKK+16, KTDT17, KKD13, LZH16, LR17a, Liu16a, LW18a, LW18b, LLX11, Nab19, SMBY10, YZM+19, ZSL19, ZY10b]. **Cauchy-type** [Fur13]. **causal** [ZSS10]. **cavitating** [CZY11]. **cavities** [SSPL10]. **cavity** [AJS14, BK18, HSK11, KG14, MMFT+19, PD11, RSL+18, SK14a, SRRP18, ZZC13a, ZZC13b]. **Cayley** [LLL11]. **CBA** [KRM+10]. **CBS** [Pul16]. **CCA** [LWHY10, yYqWqZC13]. **CCA-secure** [yYqWqZC13]. **CCD** [HP17]. **CD4** [MGY11]. **CE** [RAZ19]. **CE/SE** [RAZ19]. **Cebysev** [Sar10, Yan11b]. **Cell** [CIN+18, GVJ13, WKBR18, ZKR+12, AaC19, BCCZ18, BMS19, BGM19b, CD14, CM19b, CCM14, EOM11, HJD15, HD19, JZE+18, KC19, NGL10, PLKCC12, SRGL13, SW19, TPHD18, YLF19, YZMZ16]. **Cell-based** [GVJ13, CD14]. **cell-centered** [BMS19, BGM19b, CM19b, SRGL13]. **Cell-element** [CIN+18]. **cell-to-cell** [SW19, YZMZ16]. **cell-vertex** [CCM14]. **cells** [AZB13, Amo15, BMS19, Ben12, BZZ+10, CANA19, CS13, DDLM13, EOM11, GZR+13, IL13, MGY11, SCA14, SKH12, WYL19]. **cellular** [BKR11, Bur13, CCH+12, FNZ13, HBS+10, KRM+10, MAPS10, SAU11, SI10, XGH17a]. **Center** [hYlLL11, HLT12, WZ11b, YH12, Zha18i]. **Center-of-gravity** [hYlLL11]. **centered** [BMS19, BGM19b, CM19b, LR17b, LS17b, SRGL13]. **centers** [CD10]. **Central** [DL16, HPV+18, SND19, ZZG19, HP10, JYYL16]. **Central-moment** [DL16]. **central-upwind** [JYYL16]. **Centralized** [VBK13]. **centres** [WD12]. **centroid** [CG13, HVA10]. **centroidal** [FJWW16, WJWW12]. **centrosymmetric** [LM18c]. **ceramics** [WvDRG19]. **cerebral** [OHK+19]. **Certain** [DRS11, KYR15, Par17a, SRM11b, AS10a, AS10b, ASMEE11a, AX11, Arq18, BK10, EAA10, GCG12, KHUO12, Las10, Li11a, LY11a, LZH16, LR17a, LXK11, MP10a, MP11a, MPZ11, MS11b, NNAS11a, NNAS11c, PA12, RS12a, Sok11, SWW11, Swa10, TÇA12, TO11, WCCS15]. **Certificate** [LHHZ12]. **Certificate-based** [LHHZ12]. **certificateless** [CPL11, HPC12]. **Certification** [MS13]. **certified** [Che15b]. **Cesàro** [Çan11c, ET12]. **CESE** [SZA+18]. **CFD** [AVV18]. **CFS** [MSFS18]. **CGMY** [HLvS18]. **CGMY-process** [HLvS18]. **CGMYe** [GLW18]. **Chaikin** [WZXL11]. **chain** [Bae10, CSSW12, Chu11b, Chu11c, Chu12b, ELS11, GTZ19, KGJ11, LM19a, MW17, PQB+16, PQBK17, TZ13, ZSY14]. **chains** [LKCN19, WHW11, XL11]. **challenges** [FP19]. **chamber** [XWL18]. **Change** [VĆC10, Boy16, CPP10, CWW15, HD14a, HH10a, JFS14, JFS20, Lin14, MHH11]. **change-points** [HH10a]. **changes** [KM12, KÖC+18, SKK12, ZGD13]. **changing** [Bao16, CTC17, CTG17, CT17a, CHZ19, CT17b, DL14, DLS18b, HY10, HY18, LL19a, LL11, LY14, Li18b, LC10d, LC16, Su12, ZT18a]. **channel** [ASFM15, AM10b, ABV11, CDFP12, CLC16, CV14, DdSF13, Eba14, GD10b, HBK+19, KP18, KLL10, LG13, MC10a, MMA12, MS10c, NPR10, QWGJ15, XZ11, YZMA18, ZJZ+11]. **channelling** [WXYW11]. **channels** [AM18, Kup14, LWZG10, Sha12a, ST14]. **Chaos** [AEG11, DGB10a, Dan12, DZS10, JW11, LYY12, UKAL10, And12, BDGBM12, Bra13, CJ12, CZMZ11, HA18b, Kuo11, PC12, PSD+13, SSAM11, TL12, WYLZ10,

WHS11, WY15, Zhe11]. **Chaos-based** [UKAL10]. **Chaotic** [TTC14, YMSL11, AsNAd10, Alo11, CZY13, Che11c, dSCM12, DGTC13, DWI+12, FDB13, FDXW11, GGGR17, HGN+10, JW11, Kun12, LW10, MHM11, OBAAD10, OSZP13, SZDO10, yS10, TL12, WY11a, Wei12b, ZTSC16]. **Characteristic** [ELS11, LR17b, BSS18, LPLR19, Li17b, LZ18c, RT10, ySW10, SLW14, XFH19]. **Characteristics** [YTD+18, HCZ16, Ikh11, LHZ+11, Luk11, PHM+19, TZXP11, YS19a, ZWL11, ZCSG13]. **Characterization** [Sar11, Sha12a, ZW11c, CP16c, LSM10, PS12b, RS14a, ŞGY11]. **Characterizations** [DSA10, MYZ12, SK10a, SJN10a, SM11, LN10, LY10b, RdSSS11]. **characterized** [SJN10b, SGK18]. **Characterizing** [HDT11]. **charge** [Yaz11, YAS+11]. **charged** [Yaz11, YAS+11]. **charging** [YLH12]. **Charney** [Boy16]. **chattering** [CZMZ11]. **cheaters** [MVB+12]. **Chebysev** [Gav12]. **Chebyshev** [BE12, Boy16, DBEE11, GTL16, Jav11, KB10a, SK14b, WMW13]. **chemical** [BG13, CYM13, HTGSH13, LZP+19, MN17, ZWC10]. **chemically** [BKR10, RSV11, VPR11]. **chemically-reacting** [BKR10]. **chemoattractant** [WHZL17]. **chemostat** [WWG10]. **chemotactic** [DGZ13]. **Chemotaxis** [MGTH16, CST14, CKRW19, FHA16, HLZM16, IS14, JLL19, LMY19, LMZ18, QMW18, SST12, WPL16, Wan16b, WHZL17, Wan18, XFH19, XBHN16, ZT19, ZW16a, ZMH16, ZW16b, ZMWH18]. **Chemotaxis-driven** [MGTH16]. **chemotaxis-fluid** [CST14]. **chemotaxis-growth** [QMW18, ZMH16, ZMWH18]. **chemotaxis-haptotaxis** [LMY19, ZW16b]. **chemotaxis-Stokes** [WPL16, Wan18]. **chemotherapy** [SD15b, WHLC11]. **Chen** [KM10]. **Cherub** [JCZZ13]. **chest** [LWWY12]. **chi** [Cvi10]. **Chinese** [FPW+11, ZQ11a]. **chip** [SSESG12]. **Chlodowsky** [Büy10]. **Cho** [KSJ12, SPLHCB14]. **Choice** [YC11, Nes10, Rus16]. **choices** [ADGG13]. **cholesteric** [HMSC10]. **Choquard** [Amb19, FZ18, LT18, Luo19, ZXZ17, ZT18a]. **Chosen** [HPY10, GH12a]. **chosen-ciphertext** [GH12a]. **chromatic** [IB10, KP10b]. **chromosomes** [MCQ11]. **Chua** [RMM11]. **CIM** [LEP11a]. **ciphers** [QGGL13]. **ciphertext** [GH12a, HPY10, HKHK13]. **circle** [BCB11, DWI+12, LTX+13]. **circuit** [RMM11, SST19]. **Circulant** [LLLC14, IB10, PB11]. **circular** [AVR17, Far11, FAIV10, Hal13, LPML19, Lu12, LLL16, QZY11, SB14, THGG14]. **circular-linear** [QZY11]. **clamped** [KTA12]. **Clark** [PXXZ16]. **Clarke** [LMZ17]. **class** [ABJ11, AEO15, AJT19, And12, AB16, Ara18, ANR11, AGK15, APTZ19, Bai11b, Bai12, BM10a, BR12b, BM10b, BMTV12, BNTT14, BX14, BKK12, Bre14, CHS11, Cao19, CFRS10, CM16b, CTC17, CM17, CO19, CN11, CN16b, DWY15, Dan12, DT16, DSZ18, DZ21, DC10, DSL18, DRS11, Eba11, Ehr18, EAAED10, FWZ16, Fer11, GYH11, HHY13, HY18, HKT11, HGW18, HP19b, HR15, HXL11, HM17b, HGW11, HM14, HM15, HWXC18a, JMLF11, Jal14, JW11, JL19, JL20, JZ11, JKS18, KCL14a, KCL16, Kir10a, KK10c, KV18, KHUO12, LCS15, LZD17, LM19b, LMRS10, LLH11a, LLH11b, LZB12, LX15a, LLT16a, LLT16b, LYZ17, LL14b, MP10b, MN11a, MS11a, Mar11b, MM18d, Mor10b, NT17, NM11b, Ouy11, PRR18, PA12, PLT17, RS12a, RZ16, RWW18, SD12a, Sed13, SBS12, Smo17, Sok11, SWW11, SGQ12, SLW18, Swa10]. **class** [TJ10, TM17, TÇA12, TY16, THY+10, UBF11, Vel15, WC10b, WSCL11, WKS13, Wan15, WZF16, XY10, XY11, XZ19, YY11b,

YM13, ZA15, ZM16a, ZD11, ZLY14, ZYW15, ZZWG16, Zha19a, Zha14, Zha15b, ZJZ18, ZZT11, ZT18a, lZxLhY12, ZLW19]. **Classes** [Sok10, AE12a, AKS10, ASMEE11a, Arq18, BBD10, Dra11b, EAA10, Liu11b, MN10b, NNAS11a, TTG16]. **classic** [EGSHR10]. **classical** [CTS19, Iom18, Li16a, Uze10]. **Classification** [jC11, ALLQ13, BSN13, CLW11, GAVOF11, Hua12, LXF11, LW12c, MWWL11, PTL13, SYO12, SS16a, TJQS13, WLYX13, Xia11]. **classifier** [FNZ13, Pes13, VKJ13]. **classifiers** [KYY12]. **classify** [LCA+17]. **classifying** [Tol12]. **clause** [LWJ10]. **Clenshaw** [Som13]. **Clifford** [FRZ15]. **Clifford-valued** [FRZ15]. **climate** [eMA18, CWW15]. **climatic** [ZGD13]. **clinical** [PATA11]. **Closed** [PMM17, SMDI18, SBM13, WFDW10a, JMST11, KTK18, KW12, LCN10, LC13, THY+10, XSLS11]. **Closed-form** [PMM17, SBM13, WFDW10a, LC13]. **closed-loop** [KW12, THY+10]. **closure** [BMS19, CRG16, GJX18]. **closures** [BS11a, NN13, YG11]. **cloud** [HSS+12, QXLL11]. **Cluster** [RKW12, CW10a]. **Cluster-based** [RKW12]. **Clustering** [Che12a, FPW+11, HYL10, fLcJ10, NGL10, NHIN16, SRS11, THZ+11, YYL11]. **clusters** [KCC+13]. **CMA** [LWHY10]. **CMRH** [AT18a]. **CNPE** [LK14]. **CNTRC** [ATH18, ATH19]. **co** [KLTS11]. **co-planar** [KLTS11]. **coagulation** [WL11d]. **coal** [RB19]. **coalesced** [ST18]. **coalescence** [BKL14, DFJS10]. **coalition** [XKH10]. **coalitions** [Bur13]. **coarse** [DWZ13, Jum10, KHWK10]. **coarse-grained** [Jum10]. **Coast** [VBW10a, VBW10b]. **coating** [Lin14, SISH12]. **coaxial** [ZJB19, ZLZG11]. **cobweb** [MM11]. **Code** [CCHG17, BDM19a, BB15, HMP+15, MCQ11, PG10, ZKBE16]. **codec** [YZ12]. **codes** [BKL+19, ÖŞ11, SKdA11, TBP19, YS12]. **coding** [EE10, Sha12b, WLC11, WHC12, ZPS+12]. **coefficient** [CL19, CTSX16, CRG16, CYL17, CTM+13, Dem10b, ES17, FL11b, GR19b, HJ13, IMS19, KK19a, Lam12, Laz10, LWL11, zLYLQ19, LGVS19, MMOJ14, MAS11, MG11, NHIN16, NM11c, RSS16, RS14b, SMC10, Smo17, WLZ+18a, WRY18, WZC+19a, WLXZ18, WTLS18, YTC+18, ZWH+19]. **coefficient-based** [FL11b]. **coefficients** [AJRWS12, AEDL14, BH10, BNTT14, BBO10, CHLY15, CUK12, CNP14, DWZ16, DGLU18, ES18, Erg19, FZL+18, GC19b, HH18a, HP17, HLI14, HLY17b, Ili10, JS11, KN11, KÖ10, LCS15, LXZ18, LN19, LZ19c, MDW11, MHHC18, Mar11b, MNT15, NLA19, Oan13, Osm18, RAD13, SD10b, SK11b, SYG11, SRGL13, SLM16, TF17, TUT11, WW18a, WS10b, WK13, XZ18, YH12, ZYG10, ZW11d, ZZL15]. **coercive** [BR16]. **coercivity** [Cia12]. **Coexistence** [MCL15, WWG10, ZLZ18, MY16]. **cognitive** [Ogi12, OYXK12]. **Cohen** [Hua11]. **coherence** [Mah14, ZLY14]. **cohesive** [JQG14]. **Coincidence** [Che12b, ĆSCD11, YBC11, Ber12, CM10b, LZ12b]. **coincidences** [CYM13]. **coli** [XBHN16]. **collapse** [MLSLM15]. **collars** [MTV13]. **Collision** [BSS18, OVV+16, OHK+19, TDM13, WL11d]. **collision-stream** [OVV+16]. **collisions** [CM13a, DLF+11, HTWS15, OVV+16, Zha13]. **collocated** [PBM19]. **Collocation** [KAG11, AuIA17, BMAR18, BPF13, CCNT16, CDY11, CN11, DGLU18, ESL11, EE18, GCE18, JSGP16, JL18, KS12a, KBK19, MN11a, MRS15, Moh15, eOS18, PLT+19, QX19, RFK16, SYG11, SYW11, YZX18, YCHW18, YQWZ19, Yüz12c, YK17, ZZL18a, ZT18b]. **colloid** [GQF+10, ySGL+10]. **colloidal** [NWZ11]. **colony** [qGpWhL11, HB12a, HCHH12, PH13, TL12, WQNF12]. **Color**

[LW10, HCL11, JMNZ19, LHLH15, TT12]. **colored** [LD11a]. **colorization** [JMNZ19]. **colour** [BSL11, BLS17]. **Colpitts** [MMMG12]. **column** [GBG11, Liu14, MLSLM15, Tsi11]. **columns** [VLFS12, YW11b]. **comb** [LZCL18]. **Combination** [JY11, Mil18, SWS19, YLY+09, AD15, CL16b, DA18b, JWX+13, LSV18, RS12a, ZAK18b]. **combinations** [BM11b, PJ17]. **combined** [BN14a, DFGG13, DNS18, FHZ13, GWR+18, HA18b, KVR11, LZLL18, WLL+18, WN18, WO18, ZGD14]. **combustion** [XX19]. **coming** [BDM19a]. **commensurate** [CB11d]. **Comment** [Abd18b, Asl11, EM19, LK15, Pan17]. **Comments** [Ant14, DZ21, Her14, Her19, NTR15, Gro19]. **commodity** [LNKU12]. **Common** [Ahm10, AIB10, CSW11b, KPR10, LEP11a, SCK11, ZLZ11, Cha11b, Che11b, CAP10, CS11d, CM10b, KKS10, KSM12, LY11d, MAK12, NS11, Pir11, Qiu12, RI12, VBK13, WW10a, YBC11, YLK10]. **common-opponent** [KSM12]. **communication** [HTWS15, HPY10, KRM+10, PKTH13, WD13]. **commutators** [Gao12]. **Commuting** [RWW18, DD16, NS11]. **Compact** [RZ16, AM13a, AZ17, CCBSRFRM11, CT17a, CT10a, Fis18a, Gal11a, Lee11b, LS19a, Li16b, LLYL19, MKHC11, Mah10a, Mah10b, PCO16, PC17, QKR19, QZF19, TMDTTC16, WH10, WWA11, WW11c, WV16, WW16, WZM+16, WW18b, WH18, WX18a, WCLD18, YLG17, YT13, YTZ17, YT18b, THGG14]. **compactness** [LS10b]. **company** [HHS+10]. **comparative** [CGK14, CJRR11, EAMA19, FMGR19, JRB15, KRP12, LL10a, uIAH10, ZZX+14b, ZYZ+17]. **comparing** [BPG10, Bol16]. **Comparison** [Ala10, BKY10, CEF+13, CHK+18, CCFV12, CFdM+18, GSY10, GT15, GT16, HSWZ11, LG17, LJK+19, UKI11, VMC+14, WZHW13, AO10a, AVV18, Che11e, CSCM13, HB19, IB11, KHIB12, PMM17, PKD19, Yak11, YB13]. **Comparisons** [WLW16]. **compartmental** [dPRVRB13]. **compatibility** [JK18]. **compensation** [LCT12]. **compensator** [Yan12a]. **competing** [MY16, TM18]. **competition** [ACTB19, BF11, BD11d, CS16, CP16a, GCG12, JWX14, TT12, XZZ16, YW10]. **competition-diffusion** [CS16, YW10]. **Competitive** [BK16, MY16, AIA13, ZC11b]. **Competitive-cooperative** [BK16]. **complementarity** [CM11c, FZ19, Kha10, LLH11a, LLH11b, RWTW19, TM12, ZL14b, Zha14]. **complementarity-type** [Kha10]. **complementary** [QZ11, YGR11]. **Complete** [DD16, RTB14, CWQJ12, CP16c, HZL17, KZ16, LZH12, LC11b, NS11, Raf12, RT11, YWL17, pZ10, ZYSY17]. **completed** [DZW16, DLZ17]. **completely** [SKJ10, SGQ12]. **completion** [AA10c, ŞGY11, WWXW19, YY10c]. **Complex** [LK14, WCZ13, BR12b, CM16b, CW18, FCZ12, GKLR11, HD14b, HWXC18a, HWXC19, IQR16, KK13a, LBZL11, LZT11, LJSK13, LM19b, LZ16c, LLL16, LRTV10, MZC17, Mag10, Mah10a, NZ16, NNAS11b, PZ11a, RTRR18, RI12, SPS+13, SS18a, TPHD18, TN11, TMCM19, Uze10, XY17, XWY17, XWY18, YKA18, ZZ15a, ZM16a, ZSZ17, ZH11, ZDLC14, ZY15a, ZYT+16, ZWLZ18]. **complexes** [Oh15]. **Complexities** [Kei13]. **Complexiton** [Üns18, WZMY18, LZM18]. **complexitons** [ZM17b]. **Complexity** [GY13, PL10b, SS11a, AAR11, Bur13, Dej11, HTGSH13, LCT12, Lit13, LW11d, XA13, YZ12, ZZF18, ZM13]. **compliant** [HZLM10, LL12a]. **component** [BN14b, CLW11, DB10, Elb11, MM19, RZZ19, WhJxLwW11, WCW13, YB13, YYC11, ZaY17]. **components**

[Che12c, CSS10, HGJP19, PLKC16, SNEP19, Yan19, ZC11a]. **composite** [BI12, BL14, BML11, CGY10b, CGY11, CHS18, DD19b, DB10, DCN+18, FVZ18, HD14a, Kia16, MM18c, PHM+19, RYK13, STC18, Sza15, Tim13, ZTW+19]. **composite-type** [CGY10b]. **composites** [BCSCB+15, Ryl15a, Ryl15b]. **composition** [GGM+13, LG12, Özd18]. **compositional** [DVY14, SSS16]. **compound** [CGK14, GMZ15, HSBL11, YLS12]. **compounds** [DB10]. **Compressed** [BMP15]. **compressibility** [OAKR16, OAY11, KP18]. **Compressible** [HMF16, AP19b, BSZ16, FSTN18, FL13a, GLP18, GGO16, HKP17, HG16, JVMF19, MA16, RQ18, SSS16, Ser19, YSW16, YM13, ZR18b, ZR18c]. **compression** [Che15b, GA10, LW11c, TZXP11]. **compressive** [WLW17]. **Comput** [AR10b, AD11a, Asl11, Bho14a, ÇE10a, Def10a, fDxZ11, DZ21, GXZ11, Her14, IIHuI10, ID10, JL20, Jia11, JFS20, JY11, KPS10a, KK11b, KYR11a, Li10c, LYS12a, LLH11a, LW12a, MP16, McN12, Pen11, Ran15, SK12, Ver12, WWW11a, WWW11b, WYG12, Wan13a, WLDL11a, XLD11a, XWH16]. **Comput.** [Her19, Pan17, SCBCB+17, SKTC19]. **Computable** [RSH18, DESV18, Kim14, ZP18a]. **Computation** [Bri10, ÇA14, DVMS13, GLP18, Hei10a, LZL+13, NKM15, Pap15, YH12, YWL+11b, Ade17, ARK13, ADD+15, CDP16, Che11e, DLZ19, DC15, FKKS11, LSX13, LMZK16, MMRN12, MGN+16, MNT15, PW18, Pet14, SSP13, SM14, TXL19, XX10, ZHW+18, Zha18i, lZxLhY12, dPRVRB13]. **COmputational** [SVP+19, BCHS18, BP11a, Erv12, EAAS18, HD14a, MAN+15, NPR10, RF12, WKP+14, ABL15, AM12a, ABK+13, Ben17, DCN+18, DHMU16, FT15, FMGR19, GGK18, HHG14, KLK15, KÖC+18, LKL+15, OC14, PRS18, SP12, WCB13]. **Computationally** [LCK17, AGK15]. **Computations** [AEF15, DD19b, GIM15, BCF+14, FGHZ14, GUK13, GD10b, NHH13, RA18, ST15, SPT17]. **compute** [SC13]. **computed** [CX16, DRT+15]. **Computer** [Ben12, GGAVRC+19, LY12a, SK12, DSB19, JK12, PHWM10, RMS12, SK10b, SJS+11, Zha11b]. **Computers** [Ant14, LK15, LZL+13, Yaz11, YWL+11b, CBM10, Kan15, PHWM10, RPTD10, EM19]. **Computing** [BK14, BRS11, BDK+11, CJPR10, CEJV16, GS12, Haj18a, Ji14, SPCS13, TMMASG10, Als10, BHJ14, CCJP11, CS14b, DNS15, Dos18, GPV11, KTDT17, KL16b, KORR10, LCQF19, LXF11, MR15, Ned12, fNS11, OYXK12, PL10a, PV12, TL10b, XSLS11, YWK+10, YWW+12]. **concave** [LS17a, ZC10]. **concave-convex** [LS17a]. **concentrated** [DVMS13]. **concentrating** [ANP19]. **concentration** [Amb19, CHT11, MC10b, YL16, Ye17a, YW19]. **concentric** [BTEM19, WL13b]. **Concept** [HBE15, WL11c, ABFGZ11, BS12b, Med12, MHH11, SGK18]. **concepts** [FF14]. **Conceptual** [HGJP19]. **concerned** [KHUO12]. **concerning** [Bai11a, DFG19, QYL10, SKJ10]. **concrete** [LHM11]. **concurrent** [GPV11, PV12]. **condensates** [ZHS+19]. **condensation** [PÁAP+15]. **Condition** [WH11b, AM14a, AEDL14, AKS11, BK11a, BKT11, BRR16, CT17a, CLJ11, CC17, DG10a, DA18c, Dia17, DSM18, DBS12, GG18, GB16, Gon13, HBE15, HQ19, HXL11, Ipe12, JPK17, LS19a, Liu13, LWC13, MC10a, MKL11, MDG19, MGW11, OKTR13a, RR14, San12, SS11c, She18b, SS18b, Ste16, THC+18, TNHK19, Wu18a, YY15, Yan10c, ZZ15b, ZWY19]. **conditionally** [LW19a, MDRRV11]. **conditioned** [BT14, HT16b]. **conditioning** [Jaw13]. **Conditions** [SCSF19, AN12, AER12, AYH17, AHOP18,

AKRT14, jASzZ12, AD12, Arq18, BKL14, BM18c, Boy16, CM18a, CP15b, CHBTD14, CDN19, DPBL16, DGB10b, DG10b, Din13, FPB17, GH14, GGGR17, GKLR11, GN12, GV11a, Goo11a, GKM11, GW12c, GR15, GH12b, HSK11, HKS19a, HL11a, HBE14, HZ11, JM15, JPK17, JPK18, JL11a, JL11b, KT11a, KC10, KJ11, Kim15, KZ16, KP19c, KSF14, KHF+19, KH18, LC10b, LZ12a, LJSK13, LCK13, LPML19, LH10a, LJ10b, LLML10, LHF11, LLY13, MCR11, MA17, MT10, Mar12, MV11, OC10, RMS10, RNB11, SMF10, Saj12, Saj14, SMF17, SDH15, SD19, SOS11, SW12, SPST18, uIAA15, SRM11b, SZW11, SLL12a, Swa10, TTMJ12, Tan17, eT10, TAA14, TÇ11, TÇ12, WC10b, WAZ11a, WL12a, WZM+16, WW18b, XD17, YL10a, Yan12b, Yan13, YDL11, YK17, Zha11c, ZS11b]. **conditions** [ZD11, ZZM17, ZZL15]. **conducting** [SL12, STS19]. **conduction** [CZF10, DCN+18, FXCC18, GHCZ18, Hei10b, KK14a, LX12a, PK19, QXG13, QWL19, SWL19, WCCS15, XWH16, ZSQ+18, ZSLZ19]. **conductive** [EPP18, GRS18, Ye19]. **conductivity** [BD19, KWFY11, MM18a, WCCS15]. **conduits** [AHF16]. **cone** [AR10d, AHF10, ASMM11, CM11c, CSW11b, CM10b, GJ10, HS11b, IN10, KPR10, Kar10a, KLMV12, MCB10, Pan17, REHA11, Sha10, SCK11, YBC11, Zha11d, ZLL12]. **cone-invex** [GJ10]. **cones** [AH10b, TM12]. **Conference** [BCHS18, VBW10a, VBW10b]. **configuration** [GGGR17, Ögü13]. **configurations** [DCN+18, HR14, Mic17, SBA10]. **confined** [XWL18, ZCSG13]. **confining** [YCS19]. **conflict** [JTCC11]. **confluent** [Res16]. **conformable** [AK18, CJ18a, EGAA19]. **conformal** [LLLC14]. **Conforming** [GM19, BS17, DFG19, RC18, SDH15, WCSW18, WBZY18]. **congestion** [BBO10]. **congruent** [KK14b]. **conic** [Ahn10, NNAS11a, NM11c, NM11b, ODR10]. **conical** [GZ14, MG11, WZ18b]. **conjecture** [HL10, LEN10, SKJ10]. **Conjectures** [Deu10]. **conjugacy** [Dos12]. **Conjugate** [RJGS+19, ZY17a, ABR10, BR18, Don10b, DFS14, Haj18b, Haj18c, HP13, HLSN15, HM17b, HM14, HM17c, HM18b, Ima17, KLK15, KM14, LZD17, LFZ19b, OP14, TM17, TNP17, WZ17b, WFDW10a, WFDW10b, WLDL11a, WLDL11b, XM15, ZT13, ZY17b, ZXW13]. **conjugation** [SKPW14]. **Connected** [Bog10, DRS11, EAEH18, JMLF11, LW18b, MW11, TKH10, VDV13]. **Connection** [GMAM12, GJX18, LLL11]. **connectivity** [DT11, LLWZ11]. **conquer** [FNW18, LLCG16]. **Consequences** [GOGYL+11]. **Conservation** [LHD18, MK17, Zha17b, Abd18b, BKZ17, CG13, Col14, EK16, FM19, Kim15, KPS17, Kim18, LXY19, LDG19, Ma19, MW13, RR18, Ray17, RS18a, Ray18, WLXZ18, YÖ10]. **conservative** [ADGS18, hCTM11, CL17b, DZ16, EDC14, JW19a, Lee16, LJSK13, Li16b, MM10b, PS12b, Was13]. **Conserved** [AK16, JQSS12, MSTB17]. **conserving** [LD13a, Por18]. **Consideration** [CJP12, CJP15, HD14a, CZ10]. **considered** [ZS11b]. **considering** [GGGR17, LYJ15, MAPS10, SSIP19, SJS+10, TTMJ12]. **consistency** [Gro19]. **consistent** [CTM+13, YMHL18, Yu11b, ZHV19]. **consolidation** [BKR+19, BKNR19, Fu19, HMY18]. **constancy** [Rey12]. **constant** [AEDL14, BRS11, CM12a, IBB10, Kim14, LZH16, MLL16, Mor10c, SISH12, Wei10a, WHG11, ZL11]. **constants** [Pul16]. **constitutive** [HNPS13, LZCL18, NB11, Pov19, XJ18, YLDL11]. **Constrained** [BMS19, KKL16, SPL19, AG10a, AO18, AD11d, CLH13, Che15a, CChL14, DBH+14, GYTD12, GHMN16, Haj18c, HR15, HM17d, KFTT13, LS11c, LH12a, LL15, LW18c,

MP19a, Ped18, PW10, PSS18, SA16, WZ17b, ZLGL11, KM18]. **constraining** [Loh16]. **constrains** [KKBR19]. **constraint** [Dia17, GN11, GWL11, LZ15a, Lin11, LC10d, MMR11, ZCY16, ZZX16]. **constraints** [BB18, DPBL16, DM12a, DP15, FGPP17, Gao15, HA18a, HC14, KLY16, MN11b, PZ11b, PSS18, TCM18, Yoo17]. **constricted** [GD10b]. **construct** [KCL12]. **constructed** [ABRL18, ID10, JW05, KBS11]. **Constructing** [HWW13, MZ10, MI16, gZnZpZbD12, Zha18i]. **Construction** [BGIN13, GK13, HSMG12, KAS11b, LSX13, NPD17, NB17, Ben17, Che14, Gur13, LSW16, LW11d, ST16, Som13, WZH18, WY19b, XG10]. **Constructions** [SKdA11]. **Constructive** [DC10, WKBR18]. **Consumer** [LY12a]. **consumption** [WHZL17]. **Contact** [WHQ+18, BS15b, BHM19, BDS17, BZKR15, Bri10, CLM12, Che12c, CXMO19, EKZ17, HZL17, JO19, LRV13, RZ17, SH12a, SbX19, XHH+19, ZR16]. **container** [HLT12, RT11]. **containing** [EZM12, PK19]. **containment** [GIMZ14]. **contaminant** [YYK16]. **contaminated** [ID16]. **contamination** [DA18b, LHL15]. **content** [xLlFwWL12, Zho16]. **content-based** [xLlFwWL12]. **context** [AFGL10, BCD+16, KK12, OYXK12]. **contexts** [LML11]. **contiguous** [RRC11]. **continua** [Kim17]. **Continuation** [AS15b, Che19a, SSC19]. **Continued** [SVY16, ZZT11]. **continuities** [Çak11a]. **Continuity** [Goo10, SSL11, Zha18h, ZZ16c, Çak11c, Sca11, ZYWZ17]. **Continuous** [AJY13, XY11, AF13, Ahn10, AHOP18, CDG15, CEF+13, CTM+13, CT10b, Ciu11, Col14, Dan12, DFGG13, DD10, DW18a, DMRS18, Dra11b, FWW14, Hof18, KVJB15, KV17a, KV17b, KdLK19, Lad16, LHY18, Mar12, Nie10, OBCG19, Ols10, PP10, PGF18, PLKCC12, PLKCC13, SDH13, TWLYÖ10, WLM13, Wan19b, WLGL10, ZM18, ZZ16a, ZLL17]. **continuous-discontinuous** [DFGG13]. **continuous-installment** [Ciu11]. **continuous-time** [CTM+13, Mar12, WLGL10]. **continuum** [BKK12, KBGC12, LWL14, NEB14, ZSY14]. **contour** [CCSZ14, FQLC18, HT18, JW19b, WHD14, XJYL17, Yan18b, yYsZyYL13, jZsQdLmG19]. **contours** [KBDC12]. **Contraction** [CNV14, AKT12, ABH12, ASV11, BBR10a, ĆSCD11]. **contractions** [CsH10, KPR10, KR11, KS10a, Kar10a, KL12a, RK10]. **contractive** [AKS11, APS12, Cha11b, GDZ11, HLS11, KK10b, LC11b, SS11c, SH10, Zha11d]. **contrast** [GGR19, YXX11, ZLW18]. **contributions** [Per18, WLHZ14]. **contributon** [YZMA18]. **Control** [CL12b, Dav17, HL12, JMB10, LY12a, VBW10a, VBW10b, AKT12, AMA14, Akm15, Ala10, AR10c, AHO16, AEG11, AAA12, AT19, ADL12, Ant14, ADS14, AM17, BKT12, BZK12, BR12b, BMJ10, BMM12b, BMS12, BKDM13, BL12, BPKM10, BS15c, BHH16, CY14a, CN13, CZMZ11, CL12c, CLH13, CHLY15, CRXL15, CS11a, CCK18, DZS10, Def10a, Def10b, DNP15, DGGBTRJF12, DLWW12, DMV11, DD13, ES10, EF14, EE18, FGHZ17, FOS19, GG18, Gal11e, GRW14, GS15b, GS19, GNP14, GN11, HSMY12, HM18a, HMM12, HLL+15, Hou15, HLY17a, HSC17, HLCY12, HC14, HLZ15, HZP18, IS14, JS12b, JW11, JCWZ16, KBGC12, KP19b, KSMT11, KKL16, KKL+13, KTH13, KYA15, KRBS18, Kun12, KLY16, LZ11a, Lan12, LCH19, Li10b, LZT11, LZY12, LLC13, LZC13, LZZ18, LCYC12, LYY12, Lin12, LL12c, LXP11, LH12b, LMZ17, LDY11, LLZ12]. **control** [Mac12a, MM16, MK18, Mop11, MN11b, MM19, NMR15, eOS18, PS18, PLT+19, PM13, PSS18, RES10, RGVR17, SSAM11, SZGG11, SCC+12a, SSM12,

Śmi11, SbX19, SJS+10, SJS+11, TC10, UKYK17, Vel15, WCB13, WZCC10, WL11a, WS12, Wei12a, XL15, XLK11, YHZY11, Yan12a, YWHC11, YLH12, YLC12, Yil19, YSB15, ZZHF12, ZLLF12, ZZ10a, Zhe11, ZFC11, ZG16, ZZX16, ZP18c, FIS18b]. **Controllability** [DB11, Guo12, TG11, BKT12, BZK12, DGL12, Gao15, HP19b, HLW19, LMZ17, MB10b, SRM11a, SSA12, Wei12a, YT18a, ZG14]. **controllable** [Zha18i]. **controlled** [LC12b, RKP12, YD12, YZAX10, Zha18a]. **controller** [Ala10, Che11c, CL12b, CL12c, dSCM12, EK13, HHY+11, Kuo11, LC12b, OSZP13, Zhe11]. **controllers** [CFRS10, HK10, PC12]. **Controlling** [Che11c, BFF+11]. **controls** [GN11, KW12, WZWX11]. **Convection** [ASMM11, Pan17, AHF16, AM10a, Akm15, AM10b, ABV11, AG11, AJS14, Bac14a, BDM+19b, BSK11, BP18, BS14b, CKSL+14, CGGM19, CEQ14, CHBTD14, CM14, CCM14, DWZ13, DZW16, Das12, DN18b, GSZ14, HSK11, HO19, HLSN16, HLNZ19, HHM12, Ima17, JJ19, JLD19, KNT12, KW14b, LCM14, LCS15, LZ19a, LZ15b, LZ18c, MD18, MCB10, MSV18, Nes10, Oru19, QZ16, QZF19, RSL+18, RKA+18, RBB12, Ran15, REHA11, RKF18, RS14b, RRP16, SPH10, SZZ11, SRRP18, ySW10, SG11b, SLW14, SSPL10, SZP+11, Tro13, WV14, WLL+18, WZY13, XFL16, YSB15, ZHZ14, ZHJ14, ZLL17]. **convection-dominated** [CHBTD14, Oru19, ySW10, SLW14, ZLL17]. **Convective** [Yan13, GR19a, MA10b, MC11, MCR11, MS10c, NPR10, PDN19, SSSB11, UKA15, UKYK17, WWLL13]. **Convergence** [Ara18, BNTT14, BGH14, CH11a, DGR18, DMZ10, DSZ18, DWS19, DFW+18, DYWL19, FIS18b, HH16, Kar17, KA10b, KYO10, KT11b, Lad16, LBJ10, LSD10, Ma10a, Mah10b, MKL11, MP11c, MVB+12, Naz13, PRS18, RS15, SL16a, Śmi11, SOJC10, SJC14, TT14, VGK+16, WKS13, WHG11, WH14, YXS10, YX11b, Yan15, ZS11a, ZRC11, ZZL+18b, sHC11, AE12a, AT17, AA13, Ban13, BK11b, Bra16, BC17, CsH10, CB11b, Çan11b, CM16a, CCG18, CQ13, CAH11, CS10c, CS11c, CJ15, CdR18, DN18b, DD19a, Deb12, DD10, DH18, DBH+14, DCRL13, FHZ13, FM18, FT15, GY11, GGGR13, Gon13, GDZ11, GH18, GD16, HP19a, He16, HRHP17, Hua10b, KS10a, KBS11, KD10, KK10a, KK11b, KA11, Lee11a, LjHO10, LM17, LM19b, LBW11, LR13, Mia18, MS12a, Mor13, MT19b, MME10, Ngo18, PS12b, Pir11, QHW11]. **convergence** [ŞGY11, She11, SL16c, SV11, SYW11, zSdZ10, TÇ11, XZ10, XY15, Yan17, YCHW18, YQWZ19, YH19, YLLN16, pZ10, ZSZ17, ZLL11, ZSY14, ZL14b, ZH19, ZL16, ZZ14]. **convergent** [AHP+14, ABLS15, CG14, Dun18, LT13, LN98, Li10c]. **converging** [CM12a, Mor10c]. **Conversion** [ID10, JW05]. **converter** [Ala10, GRW14]. **convertible** [ZLL18]. **converting** [GR13a]. **Convex** [SLL17, Ahn12, AKS10, ADK10, CHLY15, CyL11, CCK18, Dra10, DRS11, Gue13, Hal13, jHlXZ11, IBB10, JW18b, KA10b, Lee11a, LS17a, LY10b, LL15, LFAL19, MLG17, MSFS18, Noo11, PT11, RS12a, SSO10, Set12, SK11d, THD11, Wac10, ZJ12]. **Convexification** [KK19a]. **Convexificators** [GN12]. **Convexity** [BBD10, GKS10, MB11, Mos10, ÖAK11]. **conveying** [XXG10]. **convolution** [AD12, SG16b, Sok10]. **Convolutional** [WRW13]. **cooling** [DLWW12, KDG11, MA10b, MC11]. **cooperative** [BK16, CL16a, YWL17, ZC11b]. **coordinate** [Boy16, GS11a]. **Coordinated** [ES10, LZY12]. **coordinates** [BJPT16, BE18, GV11b, Gue13, Wac11, WV16, ZY15a]. **coordination** [KGJ11].

Córdoba [ZWY19]. **core** [BC11, DÇ12, Fia15, ZMM18]. **Coreduction** [MW10]. **cores** [AH10a]. **Coriolis** [HBK+19, ZYSY17]. **Corner** [FM18, CK15, Cho17, CCK18, DBS12, KL16b, SR10a, WZXL11]. **corner-cutting** [WZXL11]. **corners** [dS16]. **corona** [YKRV11]. **coronary** [LYY12]. **corporate** [ZLY12]. **correct** [ZPGW16]. **correcting** [KM12]. **correction** [AZ17, ACC18, EE10, FIVM17, FIMV18, GSD+19, PBM19, XJLX10, YH15, ZHJ14]. **corrector** [AGPCC10, KBAF18, WFL11b, ZC11c]. **correlated** [LLZ11]. **Correlation** [LMS13, Sha12a, SS19]. **correspondences** [IN10]. **corresponding** [fLcJ10]. **Corrigendum** [AD11a, Bho14a, ÇE10a, Def10a, GXZ11, IIHuI10, Jia11, KPS10a, KK11b, Li10c, LLH11a, LW12a, MP16, McN12, Ran15, SCBCB+17, SKTC19, VBW10a, Ver12, Wan13a, WLDL11a, XLD11a, Yaz11]. **corrugated** [AHF16, AB10b, GK16, GK18, HHM12]. **cortical** [GGK18, TH13]. **cosh** [FYYT11, SH11]. **cosmological** [MLL16]. **Cost** [CJP12, CJP15, Chu12b, DB15, DWZ16, DH10c, LCH19, WCB13, WKP+14]. **costs** [CJPR10, LYLX11, LW17, LC13]. **Couette** [FL13a, GSZ11, HAESLB14, HLB14, JNJ+11, LZZ11b, MC11]. **Coulomb** [HKS19a]. **countable** [CGHY11, CS11b, CS11c]. **counteracting** [CZ11b]. **Counting** [DDD10, QCYL12, SS11a]. **Couple** [Kar10a]. **Coupled** [AKS11, APS12, Ber12, GYTD12, LHL15, LT11, NS11, SSIP19, AB10a, Ade17, AAA12, AS19, BR18, BS11b, BT15, BTB18, BO18a, BS12b, BK15, CST14, Cha18, CC19, CM17, Che18, Che19b, DM16, DSM18, Elb15, FIVM17, FIMV18, FWFL11, FJP18, GRS18, HB19, Haj18b, HC16, HBK+19, HQ19, HM14, HTWS15, HM17c, HM18b, JKB11, JKMS12, KTDT17, KRD16, KKSK18, Ku18, KCK19, LG10, LCS18, LZPZ19, LWL14, LTSW16, LM18c, MKHC11, MM16, MRS+12, MSW18, MP19d, MK17, PMA17, Por18, ST15, SPT17, SSH15, SMDI18, Sha10, SBM13, SSC19, zSdZ10, SLL12b, SS13, TM17, WJ11, WZKY12, WY15, WL10, WFDW10b, XZZ16, XHM14, Yan12b, YQWZ19, ZR18c, Zed10, ZBF11, Zha15a, ZY17a, Zha18d, ZFY+19, ZZ10b, ZW11d, uRK11]. **Coupling** [BDPM12, CH19, JM16, JK18, KW14a, SC19a, AKSW19, BBL19, DPBL16, DTR19, ED12, FHS18, FH17, HLB14, JM15, MUB+16, NEB14, RRAK19, SKCL19, SR17c, WC11a, WLA18, WCZ+19, ZHY14, ZD18]. **couplings** [MZ10, Yu11b]. **Courcelle** [AK16]. **Cournot** [DH10a]. **covalent** [EHO+12]. **covalent-bond-driven** [EHO+12]. **covering** [CQ11, Ge10, LBZL11]. **covert** [CDFP12]. **CPU** [Bre14, WWZ12, YW14]. **CPUs** [SKG+11]. **crack** [GB18, PK19]. **cracked** [TAA14]. **cracks** [AB18]. **Cramer** [SWC11]. **Crank** [AY12, BN14a, CY19, DM15, DH18, GH18, HA10, ZLJ+18]. **crash** [MVB+12]. **crash-faults** [MVB+12]. **CRE** [WF17]. **creating** [OO10]. **credentials** [BMS12]. **credit** [Chu11c, Chu12b, HC18]. **Creep** [XJ18, XC13, YLC18]. **criteria** [AAZ10, Ant10, CYL17, DVY14, Dos12, FAHZ17, FZ17, FL10, GFZ16, Hon10, Hua10a, KÖ10, KC12, LLY10, LXK11, LS12c, LZG13, MZ11, RM17, SK11c, TZG10, YÇG12, YX11a, Yan19, Ye15, Ye16, ZFZ10b, ZZ16b, Zha18f, Zha18g]. **Criterion** [Kup10, FSZ17, GLR13, GGR15, LB18, Wen18a, WY18b, Wen18b, XZ17, Ye17b, Zha18e]. **critical** [ACD+11, AJ12, CCP19, D'A18a, DSL18, FIW17, HL11c, JZ11, KLL19, LeT10, LSCG16, LY14, LL16a, LT18, Li18b, LS19b, LRZ18, LLZ18, LLT16b, MPLR18, QaY18, RC17b, SC16, SC19b, WS10a, WhJxLwW11, Wan15, WS17, WZ15, XW18, Ye17a, YW19,

ZJ17, ZLG18, ZT16b, ZT18a, dSSV17]. **criticism** [MN12]. **Crocco** [YT18a]. **cross** [ABLS15, ASMM11, BGGCGRSP16, CW15a, CLM14, FMSV17, Gal12, GS15a, GV18, JWX14, LD11b, Li13, Li16a, Li17a, Li18a, LD19, Pan17, WY18a, Yan18a, ZY15b, Zha18b, ZBFC19, ZTW+19, ZLZ18]. **cross-diffusion** [ABLS15, ASMM11, CW15a, CLM14, Gal12, GS15a, GV18, JWX14, Li13, Li16a, Li17a, Li18a, LD19, Pan17, Yan18a, ZY15b, Zha18b]. **cross-diffusive** [ZLZ18]. **cross-kink** [LD11b, ZBFC19]. **cross-ply** [ZTW+19]. **cross-sections** [WY18a]. **crowd** [EAEH18]. **Crowley** [Li14, YXWL14]. **Crowley-Martin** [Li14]. **CRS** [CM17]. **cruise** [DNP15]. **Cryptanalysis** [Lee11b, SPLHCB14, You11]. **cryptography** [KK10c, PHWM10]. **cryptosystem** [Lee11b, UKAL10, WH10, yYqWqZC13, You11]. **cryptosystems** [WMZW11]. **crystal** [CYP16, DFW+18, EGG16, GLR13, KMS19, KSF14, LZG13, MSW18, YWT18, ZDB19]. **crystalline** [SKH12]. **crystallization** [EF14]. **crystals** [GFZ16, MMRN12]. **CSPs** [FOX11]. **CTL** [YX16, ZLC11b]. **CTL-response** [ZLC11b]. **Cu** [ZAK18b]. **cubature** [Pap15]. **cube** [WWW14]. **cubes** [CKMR11]. **Cubic** [JLK11, CT17a, Che18, Gao17, GMI11, KB19, KG11, MD15, SYW11, VFM19]. **cubic-order** [KG11]. **cubic-quintic-septimal** [Che18]. **cubical** [DW18a]. **cuboid** [RKA+18, WMP+19]. **cumulant** [GSPK15]. **cumulative** [LCA+17]. **CuO** [RKA+18]. **curl** [SCGW18, Tom13]. **current** [AR10c, BGRV15, BD19, Cao19, CYP16, CLN+19, NKM16, Pal13]. **current-hole** [NKM16]. **curse** [Pes13]. **Curtis** [Som13]. **curvature** [AM15, Ahn10, HWW13, JCF19, Ma19, TMZ+15]. **curvature-preserving** [TMZ+15]. **Curve** [PU10, Boy16, DMPV10, DRS11, KK10c]. **curved** [CS16, Ibr16, PLW+18, Rua19, THC+18, WY18a, Yan10c]. **curves** [Ahn10, AD11d, HH18b, JRSZ12, WW10b, Wu11b]. **curvilinear** [PC17, SYI12, ZY15a]. **CUSP** [HH17]. **cuspidal** [AZ10]. **cutoff** [GOT19]. **Cuts** [SLKK19, TMMASG10]. **cutting** [SR10a, WZXL11]. **cycle** [CL12a, Dol11, Ebr11, GCG12, GM18b, WN18]. **cycle-separated** [Dol11]. **cycles** [AZ10, BR12d, CD10, CSS10, DDD10, GOGYL+11, SS11a, ZZHF12]. **Cyclic** [YS12, CM19a, EMR10, JL17b, JL17a]. **cyclic-reduction-based** [CM19a]. **cylinder** [ALHZMC+19, CNH17, GS12, LWC13, SEM13, Tia19, WL13b]. **cylinders** [FAIV10, HMF16, UMLF13, ZJB19, ZLZG11]. **cylindrical** [ES18, GSZ11, LPML19, MC10b, MDL18, ZTW+19].

D [KK19a, Pan17, SLKK19, YZ19, ATO19, ALHZMC+19, AY18, AT17, BMRA10, BPC17, BOY12, BGF15, BP18, BGM19b, BC17, CYP16, CCHG17, CL12b, CLL19, CL15, CM19b, CS14b, DWZ13, DLZ19, DPM15, DN18b, DA18c, DFP+13, DNZ+13, EAEH18, Ers16, FZ17, FSTN18, FSZ18, FST19, FVVS16, FF15, FES+19, FMPR15, GGLP15, GVSP12, Gha17, GR19a, GIMZ14, GDM13, HHS+17, HHGA19, JCF19, KLK15, KN11, KYW+18, KKVS19, KPG18, KV18, LZ18a, Li16b, LXZ18, LL19b, Li19b, LZG13, Liu18c, LB18, LRBA15, Ma18b, MM18b, MDG19, MJWD19, MKS13, MSZG17, OVV+16, Oru17, PAE+12, PLMS14, PDHL12, QCG15, RCM11, RCG15, SPT17, SJL+19, SHH16, SEM13, SWL16, SAU11, Tod13, WFY17, WD16, Wan18, WZC+19b, Wei12b, WY15, Wen18a, Wen18b, WH11b, WCH13, WFC16, XZ17, YC12, YSW16, Yan19, Ye16, Ye17b, YKKS10, YT13]. **D** [YWT18, YZS18, YQ18, ZN18, ZB19, Zbo19, ZZ16b, ZaY17, ZZLB18, ZZ18b, ZZG19, ZWH+19, ZC11a, ZZL15, ZS18, dVLV18]. **D-acoustics** [BPC17]. **D-based** [Zbo19].

D-cylinder [ALHZMC+19]. **D-Helmholtz** [GVSP12]. **D-partial** [KV18]. **D-shell** [MJWD19]. **D-Var** [CS14b]. **D-vorticity** [RCG15]. **D2Q5** [EAMA19]. **D2Q9** [EAMA19]. **D3Q27** [SKTC19, SKTC15]. **daily** [CHT11]. **dam** [yXpYxZT11]. **damage** [BBL19, CFdM+18, LKL+15, WhJxLwW11]. **Damped** [CT10b, KP18, AJS19, DM10, FIW17, LL12a, Liu11a, MSV18, ML19b, MTAS17, MAST18, MB10b, RZ16, WL17a, WZ18a, YLG17]. **damper** [CJ12]. **damping** [Bag17, BG19, BTB18, BDS10, Bis10, CCRS17, Cve11, FL14, HKJ14, HH18a, HW19a, HEP10, HLY17b, KLP17, KPK18b, KYA15, LPK15, LLY10, LZY11, QZM17b, QM19, SR18, yZjM10, ZQ11b]. **Darbo** [SZ12a]. **Darboux** [LM19a, WW18a]. **Darcy** [RTL19, AS19, AGPR19, BO18a, HQ19, JJH16, LR14, LHL18, LWL14, Ngo18, OY19, SZ17]. **Dark** [HTY+19, CDW11, QTW+18, ZLW18]. **Data** [JPP12, LZL+13, MBT+13, SSK13, ST12, WL12b, ZM13, AY18, ACD+11, ASB12, BWL18, Che15b, CP10, CH17, CS14b, DNZ+13, FSZS18, FKC12, Fer12, FMGR19, FRSC16, HP13, Hot13, HLT12, HYL10, HH10b, IC12, JZL18, KBAF18, KLH+12, KOPS13, LW19a, LZ19a, LCYC12, LGVS19, MHH11, ODAZ15, PMM17, PQBK17, RMB+14, RKW12, SYO12, Tol12, THY+10, VP11, WYY11, WYK10, WK13, WCW13, XW19a, YT18a, Ye15, ZKWW17, ZL13]. **database** [CCY10]. **databases** [Cha13]. **Date** [YTS+17]. **dates** [LYLX11, WW10a]. **datum** [FIM18, HKP17]. **Davey** [HLTL17, KSG11, QRMH18, THfL17, WLXZ18]. **DCT** [CUK12]. **DD** [Jav11]. **DDoS** [LKLP12]. **de-noising** [BPM12, MSTB17]. **DEA** [WO10]. **deadlock** [TYY+12]. **dealing** [YF10]. **DeAngelis** [LY11c, WWG10, YX16]. **death** [AGD10]. **deaths** [GCG12]. **deblurring** [DM19b, LX12a, Liu15b]. **debonding** [CFLM19]. **debugging** [CCDL10]. **DEC** [MSFS18]. **Decay** [GZN19, MAST18, RNQ13, RNQ16, CCRS17, DZ21, Dua18, FH16, HKJ14, HC16, HW19a, HGW18, JPK17, JLF17, KKLJ11, KPK18a, Kup14, NWZ11, Par15, Par18, yZjM10, ZW16a]. **decaying** [AD12, BR12d, KNIF13, WHZL17]. **December** [Ano18-64, Ano19-61, Ano19-62, VBW10a, VBW10b]. **Decentralized** [CMS10, CS11a, LWC13, LLC13, THY+10]. **decision** [ÇE10a, ÇE10b, DH10a, FLLF10, KC12, LML11, LS10c, PdlF10, PCK13, SLCC12, TZ18, WL13a, XKH10]. **decomposed** [GK11a]. **Decomposing** [LMW10]. **decomposition** [Aba10a, AO10a, ASA16, AH11a, AER12, BOY12, BA16, BPG10, BR16, BM18c, CGH14, Che15b, CY19, CNP14, CJK17, DHQ11, DA18b, DR12, DCRL13, ESBR10, FSZS18, FRZ15, GM18a, GVSP12, HSWZ11, IQR16, LW19a, LLH14, LY10a, LYN11, LW18c, LZG19, fNS11, SK14b, YZ15, ZLC+14, ZGZ13, ZSD10]. **decomposition-discrete** [DA18b]. **deconvolution** [Dun18, SM10, ZHJD13]. **Decoupled** [ZH15a, ZH15b, CR18b, LWZ16, PLKC16]. **decoupling** [JJH16, THY+10]. **deduced** [Gal12]. **deduction** [BMS12]. **deduction/abduction** [BMS12]. **deductive** [JKK10]. **deep** [ZZC13a, ZZC13b]. **deep-cavity** [ZZC13a, ZZC13b]. **default** [HC18, LPP15]. **defeating** [Boy10]. **defect** [AZ17, ĆCM10, YH15, ZHJ14]. **defect-correction** [ZHJ14]. **defective** [KHF+19]. **Defense** [JS12a]. **deficient** [EHO+12]. **defined** [EAAED10, Haz11, IN10, MS11a, Mar11b, MG11, ODR10, ORD11, PB12, PA12, RS12a]. **definite** [BKL+19, HM15, LW19a, WWB13,

WLM13, YL10b]. **Definition** [LZYW13, hYxLL10]. **deflated** [ZG19]. **deflection** [FG18, KLTS11, YLY12]. **deformable** [FIMV18, KVR11, RTL19, TRL19]. **Deformation** [DVM12, ATH18, FGY+17, KMS15, LHZ+11, MJWD19, RZ17]. **deformations** [CCNT16, VĆV11]. **Degasperis** [JPB11, YT11]. **degenerate** [AAD17, CST14, CLS19, FIS18b, GJ19, KPK18b, LSW10, MP19a, SSS16, SNDK18, Wan16b, XWY11, ZW11b, ZZ10b]. **Degradation** [LTLL12]. **Degree** [Bog10, ABRL18, AD11d, BGH14, Che12b, DYX11, LZ10, LZYW13, LHH10, Pap15, Wu10, YMM12]. **Degree-Bounded** [Bog10]. **degrees** [BS17, Rus16]. **DEIM** [DA18b]. **delay** [AR09, AR10b, AAZ10, AK10, AdAS11, AM12c, AA13, BKR11, BP11b, BCF13, BB10b, BDS10, BB12, BDGBM11, BKDM13, CFN11, CANK11, CZL17, CM18c, DRK10, DB11, DQ10, EBENF10, EKS10, FH16, GGEB12, HK10, HW19a, HF10, JPK18, KLP17, KPK18a, KCL12, KK14c, LPK15, Li10d, LJ11, LB12, LCYC12, LLY10, LKU10, LWKK10, LZKU11, LZ15b, MP11a, MG16, MLY18, MM11, Ouy11, PR11, Pen11, SRS11, SYW11, SW19, TZ13, VB10b, WHS11, WS12, Wei10a, Wei12a, WL10, YG17, YX11b, YX11a, YLZ17, YZAX10, YW11a, ZGW11, ZQ11b, ZW11b, ZL11, ZPS+12, ZLC11b, ZLW19, dAS18, dSAC11]. **delay-dependent** [LCYC12]. **Delayed** [Wei12b, Ahn12, Bai11a, CSW11a, HY16, HM17a, Hua11, LZT11, LZC13, LW15, Li18c, LLY18a, LRV13, MY16, SSAM11, TZG10, XZZ16, XZ18, XMW10, XGH17a, XGH17b, YX16, Zen11, ZZ16a, ZZF18, ZSW19, ZZW15]. **delays** [BKT12, BZK12, BKR11, CW10b, DW18b, DHGF17, HY15, HGW11, LC12a, LJJ11, LHW11, LXK11, LZ12c, MSA12, MM12, SI10, Tia19, WYN12, Xu11b, XH11a, YY10a, YW10]. **delivery** [FJP18]. **Delta** [Kuo16, RA12, MT11]. **demand** [BO10, BMM12a, DRK10, DH10c, JCZZ13, San11]. **Dempster** [KBDC12]. **dendritic** [SZP+11]. **dengue** [ZLZ18]. **denial** [MKA+10]. **denoising** [BSL11, GV18, JRB15, Liu15b, RSS16, SGZW18, SLZ11, WRW13, Yua18, ZY17c, ZFY+19]. **densities** [MD10]. **density** [BO18b, CZY11, Che16, CYL17, FZ17, FST19, GHC15a, GOT19, KH13, LLML15, LX17, Özu15, QY17, RTRR18, SSHH+18, ST15, SGK18, SKTD13, VMFF18, WZXS17, WX18b, XZ17, YZS18, ZZ18b]. **density-dependent** [CYL17, FZ17, FST19, QY17, WZXS17, XZ17, YZS18, ZZ18b]. **dependable** [OPDC12]. **dependence** [LX17, MS12a, WX18b, YLS12]. **dependent** [ABT19, AdAS11, ÁBÁPM11, ATH19, BKE18, BO18a, BQS16, Bis10, CHBTD14, Che16, CYL17, CXMO19, CT10b, CM14, DNS16, DRK10, FZ17, FSZ18, FST19, FSRB15, FZBF10, HG18a, HP13, Her14, HZLM10, HLI14, HLY17b, JLWX18, JLL19, KVW18, KYA15, Lee11c, LR14, LLZ11, LY11b, LL13, LLML15, Li17a, LZ19a, LCYC12, LFJ11, LZ12c, MWL18, Oan13, OY19, OSA13, Pen11, QZ16, QY17, RZZ19, SD15a, SLM18, SG16b, SG16a, SMH18, SZ14, TF17, TCHW19, THGG14, Tro13, VV14, WWW11a, WWW11b, WL11c, WQRZ14, Wan14, WD16, WHTZ16, WZXS17, XZ17, XHH+19, YF10, YS19a, YZS18, ZJ10b, ZZ11a, ZZ18b, ZL19a, ZG18b, dAS18, dSAC11]. **depending** [KYAA10]. **deposited** [PvdM13]. **deposition** [ÖKJR19]. **depreciable** [ZZXY12]. **depression** [GGK18]. **Depth** [DJD18, Dem10a, Dem10b, GZW+18, WFL11b]. **Depth-averaged** [DJD18]. **depth-integrated** [WFL11b]. **Derivation** [BBL19, EMR10, FES17, Jum10, Lóp19, OF16, PZL+18, BPR18, Del13]. **Derivative** [WZ17b, AK18, BC10, CDW11, CJ18a, DB15, FKeT12, Fur13, GGR15, JRZK11, JLCS10, LEN10, LZZ11b, LDL+15b, Liu18c,

LLLW18, Lup11, MT10, MV17, Ned12, NA11, OC10, PC17, STC18, SHM13, WL11c, WLT13a, WCH18, YLC18, ZY10a, aZW17]. **Derivative-free** [WZ17b, Ned12]. **Derivatives** [MS11a, AVR17, AS11b, AT19, AR17, CCJP11, CSZK10, EZM12, FM11, Gal11e, GS11a, GZ10, HS11a, JKZ11, KCC+13, Kli10, KY10, Li18d, MNJ+13, NCV+18, PAT12, Set12, SOK19, Tha19a, XJ18, Yan11d]. **derive** [CB10]. **derived** [FL13a, KB10c, zLYLQ19, RTV17, Sön11]. **Deriving** [HNPS13]. **describe** [ABL10, Laz10]. **described** [NB11]. **describing** [BPR18, De 10, HY16, OHMAK18]. **description** [JTC+10b]. **descriptor** [Lin12]. **descriptors** [SID15]. **Design** [CFRS10, CLM12, Kuo11, LZY12, MK18, PC12, AM14b, BM12b, CI18, CZY13, Cha13, DSB19, EK13, ES10, HGJP19, HT12b, HWH+15, HLCY12, KH13, LLWZ11, MPGW19, PM10, PBS12, SAR18, Váz16, Ver08, Ver12, WSL10, WKBR18, Yan12a, YWHC11]. **Designing** [FDXW11, MAPS10, ZPGW16]. **desktops** [Fia15]. **destruction** [AEG11]. **desynchronization** [HPR19]. **detailed** [SST19]. **Detecting** [ACD+11, Liu18b, XLZW11]. **Detection** [Hua12, LKLP12, fLcJ10, CCSZ14, DWI+12, ES11, EE10, GWZ11, KWPK13, KPL11, KYY12, LCW12, MBKK10, MHH11, Ögü13, RIW12, SLXC11, SCC+12a, TXZ+10, TT12, WLC11]. **deteriorated** [LZ18b]. **deteriorating** [Chu11c, DRK10, RR11, VCM11, YY10c]. **deterioration** [LLW11, MM11, WWW11a, WWW11b, YX11c]. **determinant** [CZ17, JL15a, JL17a, PW18]. **determinants** [JYL16, JL17b]. **Determination** [SG16b, XW19a, XXG10, CHL18, CSS10, HLI14, Ikh11, Mom11]. **determine** [HL11c, KLTS11, Pal12, SCvdV+19]. **determined** [TNP17, ZL14a]. **Determining** [EUTS18, PA15, Mok11]. **deterministic** [Bra13, TKBMT17, VMC+14]. **developed** [SPH10]. **Development** [DNP15, FJB19, SWL16, TLR17, FIS18b, LYL12]. **developments** [CC15, WZF12b]. **deviating** [Bic11, Can11d, Don10a, XY10]. **deviation** [ZZG19]. **deviations** [YLS12]. **deviatoric** [KKVS19]. **device** [MDW13, WXYW11]. **devices** [AdSSS19, CGS12, LNKU12, MM18b, SJS+11]. **DFT** [JMNZ19, LL12d]. **DFT-based** [LL12d]. **DG** [FLdS14, GSZ14, Kim18, NDC+19, VMC+14]. **DGLM** [Kim18]. **DGPMHSS** [CW18]. **diagonal** [GSR14, HM17d, HMZ18, JKS12, Wu18b, Xue13]. **diagonalizable** [DD16]. **diagonalization** [CLMM18, Lam12]. **diagonally** [FHZ13]. **diagrams** [BF11]. **dichotomies** [ZFZ10a]. **Dichotomy** [Chu18, ZFZ10b]. **dictionary** [LYSZ19]. **dielectric** [Hei10a]. **dielectricity** [Zbo19]. **dielectrics** [Kup14]. **Difference** [BR13b, THGG14, AVZ15, Ara18, AG10b, AS10c, AKA11, AY12, AA13, BT11, BC12, BK11b, BR12d, BK13, CDM12, CLM12, CLM14, CTZ17, CV14, CG14, Cos18, DL19, DO11, DA18d, DÇ12, DFS11, DSR10, DT17, fDxZ11, Dos12, Dra10, FNW18, hGzS15, GCE18, GÇK10, GMB12, Goo11a, GL16, Gur13, GH10, GH12b, GH13b, HmZ11, He16, Hei10b, HG16, HS18, HTL10, Jan10, JM16, JW18b, JAJ18, KP13, KO11a, Kar10b, KÖ10, KPR13, KNZ19, KO11b, KB10c, LCM14, Li12a, LLML15, Li16b, LR17b, LX18, LWKK10, Liu11a, LXK11, LZKU11, LDL+15a, LS17b, LLLW18, LLYL19, LR13, MX10, MZC17, Mil18, MFSL19, MMH11, MHM11, MM18d, MM12, Mur08, MKPS11, Pal12, PS16, PS12a, Par11a, Pit12, QYL10, RMM11, RS12b, RZ16, RGHZ15, RS18b, SD10b, Saj12, SMM19]. **difference** [SZ12a, Sed13, SDH13, SB14, Sou12, SK19, zSdZ10, SR18, SI17, TTT10, TUT11,

WW11a, WWA11, WV16, WZM+16, WH16, WH18, WS10b, WX18a, XGH17b, Xue13, YT18a, YZMZ16, YTZ17, YT18b, Yüz11, Yüz12b, ZCLW19, dVLV18].
difference-finite [YT18a].
difference/Adams [LLML15].
difference/finite
[DA18d, LDL+15a, LLLW18].
difference/spectral [ZCLW19].
Differences [MvS18, Abd11, Fer11, HL11a, OAY11, XW10]. **differencing** [GP11, LK18].
Different [GABC16, Her19, AE12a, BTEM19, CL19, CHK+18, CP16a, DCN+18, GD10a, GAVOF11, HSK11, HL18b, Ima17, KHF+19, KM13, Kuo11, LG17, LJK+19, RNQ16, SZC+18, WL11d, WZHW13].
Differentiability [Smo17, TM12, ZFZQ10].
differentiable [Dra11a]. **Differential**
[BC15, GGAVGG19, GGAVRC+19, KSJ12, QGGL13, TS11a, Zho11, Zho12, ZFLM19, AB10a, Abb11, AZH10, AK10, AA11, AdAS11, ANP11, AW11, AN12, AuIK17, AK18, AJY13, AMA14, AÇT11, ArEM10, AJ10, AJ11, AJ12, Alo11, ABL10, AKRT14, ASMEE11b, AM12c, Arq18, AS10c, AuIA17, BD11a, BD11b, BM10a, BMA11, BH10, BP11b, BMTV12, BCC14, BB10a, BHM12, BCK11, BDS10, BB12, BE11, BKY10, Bis14, BY11, BCF+14, BOT14, BH11, BK12b, BK10, CCJ10, CCJV11, CP15b, Cha11a, CANK11, CZN11, CZN12, CW10b, CZ11a, CM18c, CJ18a, CY19, CS14a, CJCV10, CJRR11, CMT12, DE11, DCL17, DN10, DB11, DQ10, DMD10, DRD12, DPZ13, DMZ10, fDxZ12, DHY19, Don10a, DM19b, DW18b, DCRL13, EBENF10, ED11a, Els10, EOM11, ESL11, FID14, FT10, FSHZ11, FN14, FOX11, FNW18, GGAV18].
differential
[GY15, GYTD12, hGzS15, GLLC19, GK13, Gen10, Gep16, GR13a, GTL16, GY11, GS11a, GHR10, Goo11b, GR13b, GJ12, GW12c, GMZ15, Gup11, GGO16, HG18a, HY16, HO10, HB12b, HLvS18, HY11, HF10, HLZD11, HLY12b, HT16b, IB11, Ibr11, JYF+11, JNBK13, JL11a, JL11b, JW18b, JS11, Jia12, JD12, Kat11, Kaw15, KRCJ11, KY11, KK14c, KV18, KMT10, KM11, Lam12, LeT10, Lee15, LC11a, LLZ10, Li10e, LF11c, LJ11, LZC11, LS11b, LY11a, LB12, Li18d, LZ11e, LH10a, LLY10, LKU10, LJ10b, Liu11a, LHF11, LXP11, LZY11, LCZ11, LS12c, LS12a, LS12b, LJX12, Liu12, LLLC14, Liu16d, Lup11, LLX11, MP10a, MPZ11, MBH11, Mar11b, MLZ+16, MP11c, MS12a, MD15, MI16, MM18d, MS15, MN10b, MGW11, MT18, NLA19, Naw11, NB11, Odi10, OBAAD10, ODR10, ORD11, Oua12, Ouy11, ÖZ11, PC17, PIAH10, Pen11].
differential [QX19, RSM17, RM17, RS12b, RSDR11, RS15, RÖ10, SD10a, SD10b, SRM11a, SCSF19, SBEB10, SAIZ15, SKTH11, SZDO10, SS14a, SXM11, SW12, SGZW18, SYW11, Su12, SLL12a, SLL12b, TN11, TZWM10, TAS11, TNF11, TB10, TMDTTC16, Tom11, TMSO12, TNHK19, VA10, VA11, VBCJ10, WC10b, WY11a, WS11a, Wan11, WG11, WAZ11a, WZF12a, WZF12b, Wei10a, WAW15, cW11, WZ11b, XD10, XY10, XH11b, Yak11, YÇG12, YXS10, YX11b, YX11a, Yan12b, Yan17, YZY10, YW11b, YSS11a, Yüz11, YSS11b, Yüz12b, Yüz12c, ZA10, ZFZQ10, ZJ10b, ZYG10, Zha10, ZW11a, Zha11c, ZS11b, ZTH11, ZD11, ZW11b, ZL11, ZY17c, Zha17b, ZSHL11, ZCH12, ZLY+13, ZZL18a, ZL10b, ZFLM18, ZLGL11, ZMA10, dSAC11, uRK11].
differential-algebraic [IB11, SBEB10].
differential-difference [RS12b, Yüz11].
Differentiating [FCZ12]. **differentiation**
[AJY13, BMC13, CBM10, GS15a, HCL12a, SK14b, TXL19]. **Differently** [TL10a].
differintegral [PA12]. **diffraction**
[LHL12a, WZ18b, XD17]. **Diffuse** [KY10].
diffused [ST15]. **Diffusion**
[FRAK15, SOK19, VPR11, AM13a, ADZ19, AD19a, AM10a, Akm15, AJRWS12, AJAR18, AM14a, AKL18a, AO18, AK19,

AAA12, AJT19, Amo18, ABLS15, ADS14, AB16, Ara18, AV14, ABN18, Auc18, ASMM11, Bac14a, BDM+19b, BP18, BL17, BK16, BS14b, BSY+19, CW15a, CGGM19, CS16, CM18a, CM15, CST14, CEQ14, CHBTD14, CLM14, CSZK10, CYS10, Che16, CLC16, CJ18b, CL17b, CJK17, CM14, CG14, CFLX18, CRRS11, CCM14, DMP18, DG13a, DPBL16, DWZ13, DZW16, DNS16, DN18b, DA18d, fDxZ11, DS18b, DMV11, DH16, DHGF17, DJZ18, FJC16, FP19, FM18, FZL+18, FMSV17, FIM18, GD10a, Gal12, GS15a, GV18, GZR+13, Gao15, Gao17, GJ19, GGVRB19, GH14, GSZ14, GS11b, GM14a, GM14c, GL16, GML17b, GLW18, HMV18, HHY13, HXX19, HY13, HY15, HO19, HPR19, HHNLGC18, Her14, HM17a].
diffusion [HLSN16, IW18, JGSS10, JA11, JRB15, JKN10, JMB10, JJ19, JWX14, JW19a, JLTB12, JAJ18, KBAF18, KW14a, KW14b, KP19c, KAA19, KCK19, KBK19, KGM11, LGHR16, LCM14, LHD18, LN98, Li10c, LDW11, Li13, LZC13, LCS15, Li16a, LLFT17, Li17a, LLY18b, LXZ18, Li18c, Li18a, LD19, LCA+17, LN19, LHL15, LDL+15a, LZ15b, LDL+15b, Liu17, LZCL18, LLLW18, LZ18c, LWSL19, LW19b, LZG19, LHTL19, Luc10, LMP13, LGVS19, MZL13, MGTH16, MY16, MW17, MF18b, MF18a, Ma18a, MLY18, MBS17, MD18, Mah14, MA17, MHHC18, MCL+13, MSTB17, MPY16, MZB10, MAS11, MV17, MP19c, MD15, Mop11, MN11b, MY13, MAH18, Mur08, Nab19, Nes10, OSA13, Özu15, PS16, Pan17, PH19, Pov12a, Pov19, QZF19, QLT+18, RSS16, RKF18, RS14b, RZZ19, SD11a, SD15a, SC19a, SCA14, STC18, SHM13, SZZ11, She16, SG11b, SLW14].
diffusion [SZL+17, SY18, SS16c, Sou11, Sou12, SLZ11, SFM15, SND19, SI17, Tam16, TC16, TM18, TTM19, TF17, Tim13, THD19, TKBMT17, TKHL18, VAS+18, WCB13, WFY17, WW11c, WL12b, WRW13, WV14, WL15, WW16, WZ17a, WZXS17, Wan18, WW18b, WLZ+18a, WLL+18, WHS18, WRY18, WYL19, WZC+19a, WZ18c, WZY13, WCLD18, XFL16, XA13, XW19a, XL15, XZZ16, XZ18, XHA13, XX19, YY14, YY15, YW10, Yan18a, YZX18, YCHW18, YP10, YXWL14, YLL+14, YKA18, YDW15, YSB15, YSX+19, ZN18, ZLY14, ZTZ15, ZY15b, ZWZ16, ZTZ16a, ZZWG16, ZLJ+18, Zha18b, ZSL19, ZSW19, ZLA17, ZZL+18b, ZcHS18, ZWH+19, ZLZ10, ZJZ18, ZWJ+11, ZG16, ZZW15, ZZ16c, ZZ17, ZLW19].
diffusion-chemotaxis [MGTH16].
diffusion-convection [RS14b].
diffusion-convection-reaction [Akm15].
diffusion-reaction [AO18, BDM+19b, CCM14, KW14b, LCM14, LZ15b, QZF19].
diffusion-wave [BL17, CLC16, DA18d, GS11b, GML17b, JGSS10, JA11, JLTB12, LMP13, Pov12a, SC19a, WZ18c, XW19a, YCHW18, ZWH+19].
diffusion-wave/diffusion [JLTB12].
diffusions [Lee14, LMS13, MN17]. **diffusive** [ABV11, CWW19, CB19a, CP16a, CSW11a, DM10, HHNLGC18, Li14, LWN15, LX17, LLY18a, LPY16, MG16, MCB10, MW16, Pov19, RRP16, SZ14, SW19, TZ13, WW19a, Xu14, XGH17a, XGH17b, YL13, YX16, YZMZ16, YLZ17, YZ18, ZL14a, ZHW14, ZZ16a, ZZF18, Zho13, ZLZ18, ZG18b].
diffusivity [WHZL17]. **digital** [LWZG10, LTL+12]. **digraphs** [LH10b, XCXW10]. **Dimension** [KV17a, Bac14a, BS12b, IBB10, LCW17, MBS17, WZ18a, YKRV11, ZY11].
dimensional [AM13a, ADZ19, AGT19, Abd18b, AK16, Ade16, AHHM19, AuIK17, AA15, AAEG17, AJRWS12, Ali15, AdSSS19, AK19, Asl11, AuIA17, BMRA10, BHZJ19, BM18a, BBBM16, BZ18, BQS16, BGP13, BL17, BB08, BSY+19, BPF13, CNV14, CTSX16, CB19a, CWH13, CLB14, Che14, CCCW16, CS18, CZ15, CR13, CL17b, CZ18, DYH11, DM18, Def10a, Def10b, DAM14,

DM15, DA16, DD10, DLS14, DSVS15, DDM+18, DFW+18, DH18, DTYZ18, Dos12, Dua18, DHMU16, EGAA19, FR15, FYYT11, FLZ14a, FDG+17, Fio14, GGR15, GQF+10, Gao12, hGzS15, GH14, Gha17, Gha18, GZ14, GHCZ18, GZD18, GABC16, GMZ15, GL16, GML17b, GTZ19, GC19a, HLLM19, HG18a, HGHA19, HTM18, Her19, HA16a, HSZ15, HBE15, HVO17, Hu18, HTY+19, HA10, HTWS15, HYC18, Ima17, JL18, JK12, KG14, KNT12, KSG11, KK14a, KCL14b, KPG18, KKK15, KT18a]. **dimensional** [KK19b, KK19c, Kuo18, Kup14, LCM14, LHD18, LK15, LK13, Lep11b, LMW10, LD11b, LDL11, LZH16, LS16, LR17a, LMMF17, LCS18, LM18a, LZL19, LMY19, LM19a, LCW19, LGZ19, LSC17, LL10a, LCLL16, LTJ+16, LL16d, LWZ16, Liu18a, zLYmL18, LZM18, LYC+19, LWW19b, zLZ19, LWW19a, LFAL19, LLYL19, LXY19, LGVS19, LDHH13, MP10a, MP11a, MPZ11, MLL16, MYZ18, Ma18a, MCF18, ML19a, MR17, MMRN12, MKR12, Man18, MZM18, MGS+14, MPfTX18, Men18, MS15, MM19, MK17, MSFS18, MMA12, MM10b, Oru19, Osm18, Pas14, PTZ19, PD11, Por18, QTW+18, QMW18, RKA+18, Ray17, RS18a, Ray18, RG18, RMY19, RNQ13, SSHH+18, SK14a, SH18, SR15, SR17a, Saj12, SMF17, Sat11, Sea16, gShYL10, SS14b, SZL+17, SY18, SMBY10, SPST18, uIAA15, SG10b, SZC+18, SK14b, TDXQ18, TZ15, TS11a, TCHW19, TT14, TTX+16, UMY11, UKI11, Üns18, VC12]. **dimensional** [VFM19, VMFF18, WZH10, WV14, WWW14, WPL16, WV16, WW16, WY16, WHS17, WTYZ17, WWD18, WCH18, WHS18, WY18a, WMP+19, WZC+19a, Was13, WLZ18b, WZMY18, WCLD18, XX10, XW14, XZ18, XZ11, XX19, YMM12, YTD+18, YGS+16, YLZ17, YGS17, YJ19, YCLY15, Yil19, YMLL18, YYLW19, YTS+17, YTL+18, YHC18, YSX+19, YK17, Zak18a, ZSAN19, ZA15, ZZ11b, ZCSG13, ZZX+14a, ZDLC14, ZTC14, ZSW15, ZC16, ZHC17, ZYSY17, ZM17a, ZDZY17, ZLJ+18, ZLT18, Zha18f, Zha18d, ZDM11, ZYZ11, ZLA17, ZTSC16, ZW16a, ZMH16, ZJZ18, ZSD10, ZDF+14, ZT18b]. **Dimensionality** [HKS19b, Pes13]. **dimensionally** [FW18]. **dimensions** [BZT16, Cal19, CLA19, CX18, CDS15, FGB19, GGAV18, GSPK15, HP17, KO11b, KLP10, LP12, LNW19, NWZ11, Ped18, Pes13, RZ16, RRO17, RC17b, Rus16, SBM13, WWLL13, WH16, XG10, YK18, YM17, YQWZ19, YL18b, ZCLW19, ZHW+11]. **Diophantine** [Kes10, YH11b]. **dipole** [RCRV14]. **Dirac** [FRZ15, OVV+16]. **Dirac-generated** [OVV+16]. **Direct** [PPC15, TTT10, WH11b, YLL+14, BCD+16, Che12c, Cos18, DB12, ES18, Fia15, GH12a, HNK13, KP18, LCP10, PPC13, Ped18, PAT13, WKBR18, ZWZ16]. **direct-forcing** [BCD+16]. **directed** [SLZ11]. **Direction** [SHM13, VFM19, AD15, ADZ19, BXKZ11, BX14, CLA19, EKZ17, hGzS15, Haj18b, Haj18c, KKC+10, SLM16, TM17, WH16, WLZ18b]. **Direction-aware** [VFM19]. **direction-splitting** [SLM16]. **directional** [Bis14, CB19a, GGR15, Liu18c, PCS13]. **directions** [KOPS13]. **Dirichlet** [ABB17, CLJ11, CH17, DGB10b, DM12b, DMV11, GG18, GR15, HP13, HT13, Ibr16, KN11, KSF14, LJSK13, LWBW13, LCZ11, ORR16, Sal10, SPST18, Tod18, WZM+16, WCH18, WHG11, ZJ10b, ZZ15b]. **Dirichlet-to-Neumann** [KSF14]. **Dirichlet-type** [Sal10]. **disc** [Amb12, AM13c, LSM11]. **discharge** [MC10b, RZL11]. **disconjugacy** [MZ11]. **discontinuities** [HM10]. **Discontinuity** [BC11, BSS18, HKP17, ZLW10]. **Discontinuous** [BDF16, CDL17, CN16b, FHS18, HT16a, Moo18, PGQ16, RRAK19, TCM15, AvB16, AEH18, AMGC19, AYH17, Bac14b, BR12b, BQS16, BKZ17, CCN14, CGGM19, CW17,

CWHW17, CD10, Che19b, CFdM+18, CHH14, DFGG13, EDC14, FRAK15, GM19, HKS14, Hof18, Izs15, JMHF13, JRA+18, KWAS16, KCL14a, KW14a, KCL14b, KW14b, Kim15, KCL16, KPS17, KS15a, KRBS18, LPLR19, LSS17, LXZ18, LQMW18, LMLB19, LZLL18, MNPD15, MLG17, NCC13, OBCG19, Pet15, QY13, RAW+16, RTT17, Rob14, SRGL13, SL18a, SND19, TAPA+17, UMLF13, WZKY12, WSM+19, Yil19, YSB15, ZSY14, ZP18a, ZZL15, ZD15]. **discount** [KGJ11]. **discovery** [ZHQG12, YWL+11b]. **Discrete** [Bab14, BCPS15, EAEH18, LGL+14, PAT13, PLKCC12, WSCW16, AD12, AE12b, BP19, BKR11, BM10b, BMS19, Bis14, BN14b, BS18b, CTP10, CGH14, CEF+13, CC11, CS18, CH17, CC17, Chu18, CCP19, DA18b, DSVS15, FSRB15, FSB17, GGH18, Goo10, HHY13, HmZ11, HBE15, Hol11, HL18b, HHM12, KK15, Krn12, LMPE18, LP10, LX16, LGC+17, LZJ12, MZ10, MM10a, Ma19, Mah14, MCP13, MT12, MSA12, MAS11, MZ11, yN11, OSZP13, Pal12, PSP10, Par11b, PC11b, PCM12, PLKCC13, RKA+18, Rah11a, Rah11b, Rey12, Sal16, SS11b, SOJC10, TZG10, Wan13b, WLA18, WN18, WZKY12, ZHZ14, ZZL+18b, ZSD10, ZY13]. **discrete-time** [MSA12, yN11, PCM12, ZY13]. **discretisation** [AMGC19, BS14b, Von19]. **discretisations** [SBvdV13]. **discretization** [Cia12, DH11b, DFM15, FIW13, HB19, JHW15, KO11b, KPG18, KK14c, MR19, MS15, MT18, RCH19, Tam16, Tar17, WBZY18, XZZ16, YYYH19, ZN18, ZH15a]. **Discretizations** [ÖKJR19, AVZ15, Cal19, DM15, EM14, FF15, JJ19, JK18, KW14a, LY13, MW13, RGHZ15, TAPA+17, TW18, YH15, ZLS13]. **discretized** [BO18a, GM14b, HKS19a, JW19a]. **discriminant** [LLSW10, SLYY13]. **Discussion** [WAW15]. **disease** [ASB12, Li11b, MW16, SG11a, ZHW14]. **Diseases** [FdOdSS17, ABLS15, HY16, LZ11b]. **disjunctive** [GXZ11, XGXZ10]. **disk** [Ikh11, KM13, LYZ11]. **disks** [KDG11, Mah10a, Mah10b]. **disorder** [Iom18]. **dispatch** [BGRS11]. **dispersal** [BL18, DD13, ZLY17]. **dispersion** [BDPM12, Bis10, CTZ17, CV14, ESBR10, GJX18, HLY16, JFS14, JFS20, LZB12, MC10b, SIL19, YYK16, YZ15, ZLPM13]. **dispersive** [CJK18, CWH13, HS12, KB10b, MDL18, NZ16, RMY19, UKI11, WWD18]. **displacement** [HCZ16, LR15, LCHZ19, yXpYxZT11]. **dissipation** [CSCM13, DD19b, KKLJ11, Ma18a, NPR10, NDC+19, QY17, SIL19, Ye16, YWT18, YQ18, YZ19]. **dissipative** [D'A18a, Fer12, LSS17, SM17, yZjM10]. **dissolution** [CM15]. **dissolution-diffusion** [CM15]. **distance** [AJ12, CSW11b, SCK11, yYsZyYL13]. **distorted** [ZSY19]. **distortion** [XL10]. **distress** [ZLY12]. **Distributed** [FM12b, HB12a, AF13, ALLH11, ALLQ13, BZK12, BKR11, BB10b, BB12, BGR14, Can11d, CLT+13, CL19, CCRS17, FWFL11, hGzS15, GNP14, JW18b, JCWZ16, LLFT17, LLY18b, LLY10, LLH10, MKA+10, MM19, OPDC12, STC18, SLMZ12, WCZ13, Xu11b, YZAX10, ZLJ+18, ZL19a, ZGL14]. **distributed-order** [hGzS15, JW18b, LLFT17, ZLJ+18, ZL19a]. **distribution** [ABT19, BY11, CDG15, HSBL11, HW11, HLT12, JL12, LL12d, LXYT11, MDVM17, MS11a, PFBL10, RMK19, SID15, VBK13, WLHZ14, WD12, YW14, ZGZ13]. **distributional** [LSJ12]. **Distributions** [CG15, FF15, Lam13, OCNG12, RKW12, VDV13]. **disturbance** [LZY12]. **disystems** [BFSO12]. **div** [CCKP15, DFG19, Tom13]. **Divergence** [Kia19, DFG19, FDG+17, Tre18, YY12, Zha18c]. **divergence-free**

[Zha18c]. **divergent** [Ehr18]. **diverse** [DCN+18]. **Diversity** [MYZ18, YMLL18]. **divide** [FNW18, LLCG16]. **divide-and-conquer** [FNW18, LLCG16]. **divided** [XW10]. **divisibility** [ZP10]. **divisor** [VBK13]. **DNA** [MCQ11, YS12]. **does** [RNB11]. **DOF** [BJLZ12]. **DoGIP** [Von19]. **Domain** [CDW11, CNP14, CJK17, HMSC10, LW19a, BA16, BCJ19, BM18c, BPZ19, BO18b, BSY+19, CLT+13, CFRS10, CL17a, CCNT16, CY19, De 10, DSWB18, Deu10, EAEH18, EAAS18, FIVM17, FSTN18, FST19, FIW17, GM18a, GGGR17, HHS+17, IQR16, Ibr16, JLTB12, KSD+19, KB10c, LLH14, LYJ15, LSM11, Liu16a, LW18c, LW18b, LZS12, LLL16, MLG17, MPMTV15, NM11b, OY19, PLR15, Sam19, SCKH10, SP12, Sön11, WJ11, WZ18c, WH11b, YWK+10, YZ15, YLG17, ZHY14, ZWH+19]. **domains** [AD19a, BT15, BBBM16, Chu10, DG13a, Das15, DM12b, DC15, DHMU16, FID14, FMS19, FM18, Fis18a, GVSP12, GH14, GH15, GHCZ18, Hal13, HY18, HKK+16, JW18b, JLL18, LL12b, LJSK13, LFAL19, LRCG16, MG11, MLG17, MSFS18, NNAS11a, NM11c, Oh15, ODR10, QLT+18, Rua19, SDH13, TS14, TH13, THGG14, WL17a, XL11, Yan10c, YL14, YL18b, YKKS10]. **dome** [PBS12]. **dominated** [CKSL+14, CHBTD14, Oru19, ySW10, SLW14, ZLL17]. **domination** [CMMP11, CKMR11, CLM11, SD12b]. **Double** [ABV11, CNH17, EKS10, Liu18a, MCB10, Von19, AD10b, AZ10, ÇA10a, CXZ15b, CH11b, mCfX10, Ciz12, DH17, FZ19, FSRB15, FSB17, GOGYL+11, GMZ15, KZ16, LFZ19a, Liu15a, MGS+14, MME10, OAKR16, RTL19, RRP16, TD10a]. **Double-delay** [EKS10]. **Double-diffusive** [ABV11, MCB10, RRP16]. **Double-grid** [Von19]. **Double-periodic** [Liu18a]. **double-population** [OAKR16]. **doubling** [HM15]. **Doubly** [MP19d, LSW10, LW18b, PLW+18]. **doubly-connected** [LW18b]. **doubly-curved** [PLW+18]. **down** [LZL16, LLSW10]. **down-and-out** [LZL16]. **downdating** [ZLC+14]. **DP** [AD11d, KLP10, KCL14b]. **DPG** [BGH14, CDG16, CHBTD14, DG13b, DGH17, FH17, Füh18, HKS14, HK15, NPD17, PD17, RBTD14, RC17a, CGHW14]. **DQ** [DA18b]. **DQEM** [TAA14]. **DQM** [Gha17]. **drag** [CT10b, CLL11]. **drainage** [NNL13]. **drains** [MNJ+13]. **Drazin** [JW18a]. **DRBEM** [STS19]. **drift** [BK12b, CUK12, FP19, SS16a]. **drift-diffusion** [FP19]. **drilling** [CL12b, MTV13]. **drive** [LC12b]. **driven** [BK18, BH11, BM19, CCKY12, CM12b, DZS10, EHO+12, FQLC18, JCWZ16, MGTH16, MP11c, MT19b, PD11, PSD+13, QWGJ15, SK14a, Sah11, SSPL10, VAK+19, XSYL19, XaZH19, YLC12, ZZC13a, ZZC13b, aZW17]. **driver** [KPL11]. **dromion** [KSG11, RKSA18]. **dromion-like** [KSG11]. **Drone** [RKSA18]. **drop** [BDGS13, BPS18, GK19, MJ14, TTT10]. **droplet** [DLF+11, Mom11, ST18, TY13, YCS19]. **droplets** [MSW18]. **Dropping** [WhJxLwW11]. **drops** [BKL14]. **Drude** [LSS17, SWL16]. **drug** [EE18, FJP18]. **drum** [KH13]. **dry** [PLMS14]. **DSI** [KAK+12]. **DSP** [WHC12]. **Dual** [CPP15, CN16a, TL18, BCFQ19, BB15, CEQ14, CKLL10, DGA18, DS18a, Dub13, Hof18, LP12, LZCL18, SC19a, XJYL17, ZWL11, ZLC+11a, RKA+18]. **dual-duct** [ZWL11]. **Dual-mixed** [CN16a]. **Dual-MRT** [RKA+18]. **dual-phase-lag** [BCFQ19, LZCL18]. **dual-primal** [Hof18]. **dual-scale** [ZLC+11a]. **duality** [AH10b, Ant14, GKS10, GJ10, PN10, ZLLF12]. **Dubrovsky** [KKK16, WZMY18]. **duct** [FBTS19, SB14, ZWL11]. **ductile** [Yoo17]. **ducts** [STS19]. **due**

[ANN10, DVMS13, FZBF10, HSK11, LYLX11, LZZ11a, WW10a, WCH13, ZWG11]. **Duffing** [ASY+11, Gen11a, RKP12, YASK10]. **Duhem** [LL12c]. **durability** [SJS+10]. **during** [GCG12, RIW12, ZOZZ12]. **dust** [EK16]. **dustiness** [RB19]. **dusty** [ES18, EEBM10, MC10a]. **Dynamic** [ATZ11, DEFP11, GZD18, KBGC12, yN11, RSP18, SJS+11, YCS19, ZZHF12, ZTZJ14, AR09, AR10b, AB18, AAZ10, Bab14, BDS17, BMM12a, BMS13, BMSS18, BFF+11, Can11d, CP15a, DFS11, DLT12, FH16, FL10, GGEB12, GLM+11, GA10, HDS11, HEP10, Hon10, Hua10a, JZR15, KSPP11, KJA10, Kia18, KAK+12, LZ11c, LL12a, LCW10, LCP10, Li11a, MP11a, MAPS10, MH11, MR10, MS17, MG15, OPDC12, PR11, PH13, PCK13, PZAR19, RFP11, RF12, SD12a, Sca11, SA16, SSK13, TZMZ12, VAS+18, WSL10, WSG10, WZ11a, Wan12, WLXG18, XC16, ZFZ10a, ZHJ11, ZGW11, ZQ11b, ZHQG12, ZLW18, ZHJZ11]. **Dynamical** [ABM11, DS18a, NJV13, TM18, XZL+11, ZK16, Alo11, ALMLM14, BKT12, BZK12, LX10a, LZT11, LB11, Ma10a, SIL19, SS18b, SLYY13, WL10, YZAX10]. **dynamically** [SW16b]. **Dynamics** [CLS19, Che16, IL13, KHWK10, Sah17, SW19, SMYK19, Tao18, WZXS17, WFC16, Xu14, YL13, YZ18, ZL14a, ZZ16a, ZWZ16, ZG18b, ABT19, ABL15, ABL10, AB16, BMS19, BPKM10, CM13b, CL16a, CM19b, DGTC13, DFJS10, ECY11, FDB13, GM14c, GPV11, HPR19, KW12, LZ11b, LDS10, LJK+19, LMPG13, MLY18, MCQ11, Mag10, MB17, NNR14, Özu15, PC14, PS12a, PQB+16, PV12, RKSA18, RCG15, SP12, SZ14, TTM19, TY13, Tre18, TTX+16, VV14, VJM15, WHS11, WSM+19, Xu11b, XGH17a, YX16, YZMZ16, YGR11, YKKS10, YWL17, ZLMZ18, Zha18h].

e-services [KC12]. **E-UBIAS** [Ogi12]. **E.A** [AIB10, MAK12]. **eagle** [GYTD12]. **earliness** [LYLX11, MMR10, MMR11]. **earliness-tardiness** [LYLX11]. **early** [Amo15]. **earthquake** [LMPG13]. **earthquakes** [LKL+15]. **easy** [CB10]. **EBM** [GSI19]. **eccentric** [DT11]. **eccentricity** [Ili12]. **ECG** [JWX+13]. **Echocardiographic** [RMB+14]. **echocardiography** [AY18]. **eco** [ZSW19]. **eco-epidemiological** [ZSW19]. **ecological** [JLWX18, YZAX10]. **ecological-mathematical** [JLWX18]. **ecology** [WLW+11]. **economic** [BGRS11, Chu11b, DRK11]. **economy** [PG10, ZBL12]. **eddies** [BK18, MS17]. **eddy** [ADD+15, BGRV15, BD19, Cao19, CRG16, CLN+19, DSWB18, DNR13, HBK+19, Sag10, SKFG11]. **eddy-resolving** [DSWB18]. **edema** [RdSRL19]. **Edge** [Ryl15a, BDHR18, Cia16, CFS17, EG18, FJWW16, LW11c, WJWW12, YA11, ZLS13]. **edge-weighted** [FJWW16, WJWW12]. **edges** [MSTB17, YA11]. **Editorial** [BBH+19, Ano10b, Ano10c, Ano10d, Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano10j, Ano10k, Ano10l, Ano10m, Ano10n, Ano10o, Ano10p, Ano10q, Ano10r, Ano10s, Ano10t, Ano10u, Ano10v, Ano10w, Ano10x, Ano10y, Ano11a, Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano11j, Ano11k, Ano11l, Ano11m, Ano11n, Ano11o, Ano11p, Ano11q, Ano11r, Ano11s, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano12k, Ano12l, Ano12m, Ano12n, Ano12o, Ano12p, Ano12q, Ano12r, Ano12s, Ano12t, Ano12u, Ano12v, Ano12w, Ano12x, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano13l, Ano13m, Ano13n, Ano13o]. **Editorial** [Ano13p, Ano13q, Ano13r, Ano13s, Ano13t, Ano13u, Ano13v, Ano13w, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g,

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ORR16, TL10b, WBZY18, WZ10, YLB16]. **eigenvectors** [TL10b]. **eighth** [GK11a, SV11]. **eighth-order** [GK11a]. **Einstein** [WL13a, ZHS+19]. **El-Sayed** [DR12]. **elastic** [BKE18, BDO11, BCSCB+15, CFLM19, Cve11, DSVS15, DDK11, FL14, GHC15a, Gen11b, GF16, Her14, HL11c, JHW15, KP19b, LZ12a, LTT13, LMLB19, MTV13, MDL18, MNT15, OSA13, SCBCB+13, SCBCB+17, YLY12, Zha18d, ZTW+19]. **elastic-plastic** [LMLB19]. **elasticity** [BS15b, BCG17, BS18a, BRROP19, CGJ+14, DB15, DDM+18, EFK15, FG18, FLdS14, FPB17, GGS16, GF16, Hes18, HVO17, HMWZ16, Kar17, LH16, LCQL17, Liu16a, QCLC17, RDE+17, RS18b, WZC+19b, ZR18b]. **elasticity-type** [DDM+18]. **elasto** [CTS19, HAESLB14]. **elasto-plastic** [CTS19]. **elastodynamic** [MDG19]. **elastodynamics** [CDL17, FMS19, HPS18, TMLF19]. **Elastoplastic** [Bol16, ZW11a]. **elastoplasticity** [CHK+18]. **elastostatics** [EKZ17]. **Electric** [WRW13, BN16, EPP18, KSMT11, Kup14, NZ16, TG14, Tao18, Yaz11, YAS+11]. **Electrical** [dCMdSGTdC+16, GKS17, LLG+11, MH11, ZTZJ14]. **electrically** [MRS+12, SL12, YLC12]. **electricity** [BBO10]. **electro** [BCSCB+15, EKZ17, HLNZ19, SCBCB+13, SCBCB+17, YWHC11]. **electro-elastostatics** [EKZ17]. **electro-thermo-convection** [HLNZ19]. **electrocardiology** [LRBA15]. **electrochemical** [CS13, HNK13]. **Electromagnetic** [GGR19, BT14, CM10a, CJK18, CWH13, Cia16, CFS17, CHS18, CDS15, HMZ18, JN14, LZ18a, LRZ18, NJ16, OTiSY16, SBB+18, SST19, ZKWW17, dBD17]. **electromagnetism** [AG10a]. **electromagnetism-like** [AG10a]. **electromechanical** [LLZ12]. **electron** [AML+14]. **electronic** [CCKY12]. **electroosmotic** [AVR17]. **electrophysiology** [CT17c]. **electrospinning** [HL12, XWN11, XLF12]. **electrostatic** [BI12, NGG12, RMA10]. **electrostatics** [RCRV14]. **electrothermal** [MDW13]. **Element** [BDGG14, CM16c, CDN19, DA18c, DJD18, GCDG17, GD16, KDU15, MRR18, PGQ16, RCM11, Rus16, Vac18, dVDR18, AD15, ADZ19, AD19a, AvB16, ADGS18, ABRL18, AHHM19, AAB+13, AJRWS12, AAD17, AEDL14, AJT19, AOW18, ACAS11, ABSV18, ACE17, AS19, AP19b, AO13, AKL18b, BCCZ18, BCH+18, BN14a, BP19, BS10b, BGGCGRSP16, BB15, BDGS13, BWL18, BS18a, BO18b, BK15, BC17, BSY+19, BS17, CKL18, CDG15, CIN+18, Cal19, CPP10, CGH14, CR18a, CEQ14, CW15b, Cha18, Che12c, CLH13, Che14, CHLY15, CCZ18, CLL19, CHY19, CS14a, CFdM+18, CK15, Cho17, CCK18, CELY18, CB19b, CN16a, CFLX18, CX18, DRT+15, DH11b, DA16, DA18d, DFGG13, DFG19, DSZ18, DWS19, DZO+19, DNS18, DGLU18, DZ17, Dun18, DHMU16, EG18, FKF13, FLdS14, FDG+17, FN14, Fia15, FIW13, FGHZ17, GY15]. **element** [GL17a, GML17a, GLLC19, GLP18, GP19, GMS18, GGH18, GHCZ18, GS15b, GLZ18, HLL13, HMP+15, HR19, HVO17, HH15, Hou15, HD16, HLY17a, HW16, Hu15, HMWZ16, HCZ16, Hu18, HK17, IK16, IS14, Ibr16, JMHF13, JZ13, JM16, JPS14, JPCY13, JHW15, JW15, JLL18, KB19, KK15, KL16b, KKL+13, KVR11, KRBS18, KCK19, KdLK19, LT13, LC10a, LL12b, LL12a, LMR14, LN98, Li10c, Li10b, LY13, LR15, LY15, LLML15, LZWC16, LL16b, LS16, Li18e, LXZ18, LD18, LL19b, LNW19, LZ19a, LRH13, LWL14, LHL15, LDL+15a, LDL+15b, LLLW18, LZ18c, LCHZ19, LFAL19, MBS17, MMHGM17, MP19b,

MLGY16, MWY17, MT18, NJ16, NNK13, Naz13, NHH13, NH15, NSYY13, OBCG19, OTiSY16, Oh15, OY19, PÁAP+15, PFDG17, PGF18, PPC13, QY13, QCLC17, RZ17, RMB+14, RGHZ15, RHC15, Rua19, SD15a, SD18, SBvdV13, SDH15, SD11b, ySW10, SLW14, SWL15, SW16a, SZL+17]. **element** [SJC14, SST12, SR17c, TH19, TCHW19, TS16, UMLF13, VHPVNXW18, WSW11, WW14a, WC15, Wan16a, WHTZ16, WHS17, WC17, WCSW18, WLA18, WLZ+18a, WY18a, WW19b, WZC+19b, WL13b, WH14, WFZ12, WV15, XFL16, XD17, XZZ16, XFY18, XFH19, XCZQ16, YT18a, YH15, YLB16, YSX+19, ZMM18, ZTR11, Zbo19, ZRE16, ZR18b, ZYWZ17, ZS13, ZHY14, ZHZ14, ZDLC14, ZH15a, ZT15, ZHC17, ZL18, Zha18c, ZY19, ZH19, ZWH+19, ZLZ10, ZC11a, ZLHF19, ZLS13, ZH15b, ZG16, ZMFL18, ZZL15, ZC17, aZ18, ZKBE16, FIS18b]. **element-free** [CLL19, DSZ18, DWS19, LY15, LZWC16, LL16b, LD18, LL19b, ZDLC14, ZL18]. **element-level** [PÁAP+15]. **Elementary** [MI16, DT16, Ji14, LSW16]. **Elements** [FHS18, AOW18, BPM14, BBBM16, BZKR15, BDHR18, BS15c, CKSL+14, CH19, CFS17, DM18, DDD10, DGH17, EDC14, FVZ18, FMSV17, FKDN15, GLLC19, HD14b, JN14, KW14a, KB13, Li15, LCQL17, LBvB+16, MNPD15, PS18, SDH13, SRDD17, SWL19, WBZY18, WN18, WBA+18, YLK10]. **elements.Part** [Cia16]. **elevated** [CV14]. **elevation** [AD11d]. **elimination** [AR10c, Pas14, SC13]. **Elliott** [VKJ13]. **ellipse** [WCQ+19]. **ellipsoidal** [BKMT16]. **elliptic** [ARK13, AKLS19, AVZ15, ANP19, APwS18, AG10b, AKL18b, AuIA17, BS15a, Ber16, BCJ19, BBBM16, BWL18, BMP15, CY14a, CGHW14, CCNT16, CCX13, CM13b, CCZ18, CT17b, CNP14, CCK18, CWQJ12, Cov13, DCL17, DWS19, DB12, DGLU18, DHMU16, ES18, Elb11, EZRR10, FDG+17, FN14, FOS19, Gha18, GTL16, GS15b, GLZ18, HJ13, HZL17, HT16a, Hou15, HLY17a, HRHP17, HC14, HX14, HM17d, HT19, HK17, IQR16, Jal14, JK12, KK15, KN11, Kaw15, KM18, KTDT17, KK10c, Ku15, Ku18, Lee15, LCH19, LN98, Li10c, Li10b, LY14, Li19a, LC10d, LRH13, LYZ17, LW18b, MCL15, MV11, Mil18, MP19b, MY10, MP19d, NXHN14, Oru19, eOS18, PT15, RCH19, Saj14, uIAA15, SJC14, Tod15, Tod18, WZF16, WS17, WHS17, WFZ12, WH11b, XW14, XLD11a, XLD11b, Yao10, Yao16, ZYWZ17, ZHL12, Zho19, ZCY11, lZxLhY12]. **elliptic-parabolic** [AG10b]. **elliptical** [HZL17, ZH19]. **elongation** [DRZ10]. **ELS** [WCD10]. **embedded** [AB18, FKDN15, GF16, MM18b, PC11a, RBB12, Ran15, REHA11, WHC12, WL17b, ZLS19]. **embeddings** [CMT12, FWW14]. **Emden** [AR10a, KM11, VA10]. **emergency** [ZC11b]. **Empirical** [SCvdV+19, ZLY12, DA18b, RKW12, WCH18, YWW+12]. **employing** [FT15, JS12a]. **Enabling** [ADD+15]. **encasing** [DRZ10]. **enclosure** [AG11, BSK11, HHM12, Pop14, RKA+18, SSH15]. **enclosures** [PDN19, ZD12]. **encoder** [CUK12]. **encoding** [SKdA11]. **encryption** [GH12a, HKHK13, LW10, RWZ13, yYqWqZC13]. **end** [WL11a]. **end-to-end** [WL11a]. **endemic** [Sun10, ZK16]. **endoscopy** [Tri11]. **endothelial** [YLF19]. **endpoint** [Boy16]. **ends** [ZTW+19]. **energetic** [FZBF10]. **energization** [GSY10]. **Energy** [AGK15, Chu12a, Izs15, JPK17, KKLJ11, KPK18a, LS19a, STDLM19, BT15, BM19, CT18, CT17b, DD19b, FH16, FR16, Gal10a, GOT19, HL18a, HGSL18, HB12a, HW16, KB15, LD13a, LL12d, LW18a, LZS12, Par15, Por18, SRS11, Ste16, VĆC10, VĆV11, WW15, Wu16, Yaz11, YAS+11, YASK10, ZWW13, ZY15c]. **Energy-balanced** [Chu12a]. **energy-based** [GOT19]. **energy-conserving** [LD13a].

Energy-stable [STDLM19]. **enforcement** [CM12b]. **engine** [Ebr11]. **ENgineering** [SVP+19, GGAVGG19, KLK13, LAM+16, YLLK14, CCFV12, DELK13, FCZ12, HLK10, LLR+19, LCQF19, LLW15, RS13, SKM11, ZLG+11]. **engines** [JS12b]. **Enhanced** [AG11, DSWB18, GP19, JS12b, ABR+14, FDG+17, FJP18, JGK13, KMS19, LHHZ12, RC18, WZC+19b]. **enhanced-strain** [RC18]. **enhancement** [CCH+12, PvdM13, Rua19, ZLY14, ZLW18]. **Enhancing** [CDD12, GACMO13, Mah14]. **enriched** [WCSW18, Zha18c]. **enrichment** [GD16]. **ensemble** [ALLQ13, TNT12]. **Enterprise** [XDL12]. **entire** [ZY10a]. **Entropically** [KP18]. **entropies** [Gor13]. **Entropy** [BTEM19, MCQ11, RSL+18, ZDV13, AvB16, BPM12, BDK+11, Dub13, LCA+17, MBKK10, NN13, RKA+18, ZD12, jZsQdLmG19]. **Enumeration** [CJMS10, BR12c, TM10]. **enumerators** [ÖŞ11]. **enveloping** [Wri13]. **envelopment** [Tol12, WYK10]. **environment** [DH10a, DRK11, JXZ+10, KHIB12, LBH+12, MM18b, YWK+10, ZLZ18]. **environmental** [DD13, IK12, PTP14, VMAVGCM19, YYYH19]. **environments** [AFGL10, LLL13, XBHN16]. **enzyme** [ABN18, CLM12]. **enzyme-catalyzed** [ABN18]. **EOQ** [CB10, San11]. **epidemic** [Aki17, AGPCC10, BL18, CW15a, DYQM14, GCR+18, MMOJ14, PSP10, XL15, XMW10, ZY13]. **epidemiological** [AGU14, CLM12, ZSW19]. **epileptic** [HPR19]. **epistemic** [WLT13a, WLT13b]. **epitaxial** [FAHZ17, Zho19]. **EPQ** [CB10]. **Epstein** [MAB19]. **equal** [HR14, LFJ12, Ray18, SIL19]. **equality** [DBH+14, WZ17b]. **Equation** [ZHV19, AM13a, ADZ19, AD19a, eMA18, AGT19, AvB16, Abd18b, AZ17, AO10a, AEH18, Ade17, AJS19, AK18, Akm15, AB10b, AA15, AAEG17, ARK13, Ali15, AJ12, AS11b, Amb19, ASY+11, Asl10, AO13, AET19, AKMUH17, Bac14b, Bag17, BCH+18, BM18a, BAO+12, BCK11, BKMT14, BKMT17, BN16, BDGBM11, BC10, BJPT16, Bis10, BP18, BT14, BM18c, BL17, Bra10, BS18b, BPX11, BM19, BSY+19, BK10, CCJV11, CM11a, CNR10, CHXL18, CP15b, CTSX16, CEQ14, CLS19, CBKR10, CF16a, CW10b, CDW11, CC11, CLB14, CXZ15b, CLC16, CWDL17, CM18b, CM18c, CJ18a, CHY19, Che19a, CZ15, CTZ17, CR19, CK15, CJK17, CJRR11, CCM14, CGJ+14, CZ18, D'A18a, DE11, DWZ13, DLZ17, DLZ19, DN18a, DPM15, Dar11, DGA18, DS18a, DL19, Dav17, DO11, DD19a, DAM14, DA18c, DA18d]. **equation** [Dem10b, DZ18, DM12b, DT16, DZ21, DSM18, DZO+19, DSVS15, DD16, DFW+18, DTYZ18, DMV11, DBS12, Dos18, DW18b, DZ16, DJZ18, EMQ18, EGAA19, EK16, EM19, EN11, ESBR10, Erg19, EOM11, EM14, FID14, FMS19, FYYT11, FLZ14b, FW18, FJ19, FZL+18, FZ18, FIW17, Fio14, FNW18, GL10, GGLP15, GZZ+16, Gao17, GVSP12, GMP18, GJ19, GSPK15, GÇK10, GH14, GR13a, GSY10, GR19a, GS12, GMI11, Gol13, GL17b, GOT19, Goo11a, GKK11, GM14a, GM14b, GZD18, GS19, GABC16, GW15b, GL16, GML17b, GZW+18, GTZ19, Gup11, GS11c, GHL18, GWL11, HKJ14, Hal13, HGSL18, HLTL17, HH18a, HW19a, HLLM19, HH16, He16, HGW18, HTM18, HB12b, Her19, HA16a, HHG14, HLvS18, HHGA19, HLSN16, HL18b, Hu18, HTY+19, HLY12b, HX14, HXS+15, HM15, HLX18, HYC18, HT19, HLI14, HLY17b, IMS19, JKB11, JKK12]. **equation** [Jav11, JPK17, JPK18, JQSS12, JFC14, JHW15, JLF17, JAJ18, KBA11, KB10a, KK11a, KO11a, KMS10, KB19, KSZ18, Kar10b, KK13a, KN11, KM14, KPR13, KC11, KK14a, KKAM11, KAJ11, KB15, KO11b, KBCS16, KJ11, KKLJ11, Kim14, KPK18b, KS15a, KQ11, KSMN11, KKK14, KS15b, KTK17, KT18b, KBK19, KK19b,

KK19c, Kuo18, Kup11, KKD13, LMPE18, LS10a, LCM14, LHD18, LK15, LZL16, LL14a, Lee16, Lee17, LS19a, LSCG16, LSW10, LLJK10, LYZ11, LD11b, LDL11, LDW11, LZGZ11, LZ12a, LGG12, Li12a, LJSK13, LTT13, Li16b, LSZ16, LCK17, LMMF17, LLFT17, LLY18b, LD18, LT18, LM18a, LZL19, Li19b, LM19a, LCW19, LGZ19, LWL11, LZ14, LZ16c, LZZ18, LL10a, LT15b, LN19, LWKK10, LMDL11, LCZ11, LW12a, LS12c, LJX12, LW12b, Liu13, LTJ$^+$16, LL16d, Liu18a, LW18a, LZLL18, LW18b, zLYmL18, LZM18, LYC$^+$19, LWSL19, LZ19c, LLP19, LWW19b, zLZ19, zLYLQ19]. **equation** [LWW19a, Loh16, LLYL19, Lóp19, LSX13, LMZK16, LXY19, Luc10, LMP13, LGVS19, Luo18, MDW11, MX15, MF18b, MF18a, MYZ18, MCF18, MR17, MDRRV11, MCKM12, MA17, MZM18, MHHC18, MBHV10, MPY16, Men18, ML19b, MTAS17, MAST18, MV17, Moh15, Moo18, Mop11, MN11b, MY13, MNT15, MWY17, MT18, MCN10, Nab19, NLA19, NNWAS11, Oan13, OZF19, Oru17, Osm18, Pal12, PDM11, PC17, PP14, Par15, Par18, Pen11, PTZ19, PJ17, PL17, Pit12, Pov12a, Pov19, Pu12, QXG13, QRMH18, QX19, QTW$^+$18, QCG15, RKSA18, RNB11, RS12b, RAD13, RS14b, Ray17, RS18a, Ray18, RG18, RQ18, RWW18, RMY19, Ros12, RC17b, hRWH18, RZZ19, SCV10, SD10b, SD11a, SD18, Sah17, SR15, SR17a, Saj12, Saj14, SEY12, SH11, SMK18, Sam19, SCSF19, SBvdV13, SHM13, Sea11, Sea14, Sea15, Sea16, SIL19, SZDO10, Sha18]. **equation** [SA16, SS14a, SD19, SS14b, SY18, SBM10, SMBY10, SGZW18, SBM13, SS18b, SS16c, SZC$^+$18, Sou12, SC19b, SLZ11, SRG16, SND19, SMYK19, Tam16, TDXQ18, TUT11, Tha19b, TCHW19, Tod18, TS16, Tru19, TTX$^+$16, TKHL18, Üns18, UKYK17, VB10b, VRD11, WG11, WLD13, WLM13, WW14a, WQRZ14, WV16, WZM$^+$16, WHTZ16, WH16, WS17, WL17a, WF17, WTYZ17, WF18, WW18a, WZ18a, WLL$^+$18, WHS18, WRY18, WY19a, WMP$^+$19, Wan19a, Wei10b, WLL12, WZ18c, WLXZ18, WY18b, WL16, WW14b, WZ15, WW15, WZMY18, WX18a, WTLS18, XX10, XH11b, XHA13, XWH16, XX17, XCS18, XSYL19, XW19b, XX19, XaZH19, XLT17, YT18a, YYK16, YY15, YTD$^+$18, YC11, YL16, YM17, YCHW18, YÖ10, YMDZ10, Yil19, YLG10, YTF10, YT11, YL14, YMLL18, YL18b, YTC$^+$18, YYLW19, YW19, YYC11, YMHL18, YZMA18, Yu11a, YqS16, YS16a, YT18b, YH11b, YTS$^+$17, YTL$^+$18, YHC18, Yüz12a, YK17, ZT13, ZSAN18]. **equation** [ZSAN19, Zha18a, yZjM10, ZWC10, Zha10, Zha11c, ZS11b, ZS13, ZDLC14, ZY15a, ZTZ16b, ZC16, ZMLZ16, ZY17c, ZCZ17, ZXZ17, ZZM17, bZM17, ZY17b, ZM17a, ZDZY17, ZLJ$^+$18, ZH18a, ZWLZ18, ZLT18, ZCT18, ZCLW19, ZL19a, ZBFC19, ZDM11, ZCH12, ZL12a, qZM17a, ZTZJ14, ZLZ10, ZKW15, ZY17d, ZG14, ZY15c, ZG16, ZZX16, Zho19, ZSY19, ZCY11, ZD15, ZZ16c, ZLL18, ZS18, aZW17, aZ18, dSSV17, Li18e]. **Equations** [GGAVGG19, GGAVRC$^+$19, Zho11, Zho12, ZFLM19, AB10a, Abb11, AEH19, ARESH18, AIA13, ABT19, ABL15, AM10a, Ade16, AR09, AR10b, AZH10, AAZ10, AK10, AA11, AdAS11, ABJ11, AÖ10b, Agr10, ANP11, AW11, AN12, ATUC15, AuIK17, AK18, AJY13, AMA14, AP10, AÇT11, AA15, AJAR18, AAH$^+$18, AM14a, AHO16, AJ10, AJ11, AK19, AJT19, ABL10, AHOP18, AKRT14, AT17, AD12, AM12c, Arq18, ANP19, APwS18, AS10c, AY12, AA13, Asl11, APTZ19, AuIA17, BMRA10, BM11a, BD11a, BD11b, BJQS18, BN14a, BK11a, BKT11, BK12a, BM10a, BMA11, BC12, BR12a, BH10, BG15, BP11b, BMTV12, BI12, BCF13, BR18, BS11b, BB10a, BT15, BK14, BB10b, BDS10, BB12, BS16b, Ber16, BO18a, BDGBM12, BBBM16, BZ18, BQS16, BGPP11, BE11, BG11, BE12]. **equations** [BKY10, BML11, BMS13, BY11, BCF$^+$14,

BDO11, BDHR18, BOT14, BH11, BHJ14, BB08, Bra16, BR12d, BR13b, BC17, BS14b, BMH19, BK12b, BPF13, CCJ10, Can11d, CBBE16, CH11a, CM18a, CDG16, CRA19, CDM12, Cha11a, CANK11, CZN11, CZN12, CLM14, CYS10, CZ11a, CDY11, CM11b, CCX13, CLCF14, CM16b, CM17, CZL17, CJ18a, CY19, CLA19, jC11, CZ17, CT17b, CS14a, CFdM$^+$18, CS12, CL17b, CH17, Chu11a, Chu10, CP15c, CP16c, CC17, Chu18, CELY18, CCP19, CFS17, CHS18, CdR18, CJCV10, CDS15, CN16b, CFF15, Dai14, DZW16, DLS18a, DDMQ19, DCL17, DH10b, DM15, DM16, DQ10, DM19a, DMD10, DRD12, DPZ13, DSR10, DG10b, DMZ10, DLD10, fDxZ11, fDxZ12, Din13, DHY19, Don10a, DC15, DK18, DNZ$^+$13, DCRL13, DLS18b, Dua18, EO14, EBENEA10, EBENF10, ED11a, Elb11, Els10, EG18]. **equations** [Ers16, ESL11, EKE18, FT10, FSHZ11, FH11, FN14, FH16, Fer12, Fia15, Fis18a, FM12b, FIW13, FRZ15, GGR15, GGAV18, GY15, hGzS15, GML17a, GH16, GRBT16, GK13, Gen10, Gen11a, Gep16, GB16, GH15, Gha17, GTL16, GY11, GMB12, GS11a, GS11b, GHR10, Gol13, Gon13, Goo11b, GGEB12, Gro19, GR13b, GJ12, GW12c, GMZ15, GLW18, GH18, GZN19, GM11, GGO16, GH10, GH12b, GH13b, HMF$^+$19, Haj18a, Haj18b, HL18a, HC16, HG18a, HGHA19, HKI12, HEP10, HY13, HY16, HLL13, HKK$^+$16, HP17, HP19b, HVR18, HIS19, HS13, Hes14, HSJ15, HSMT19, HA16b, HNPS13, Hon10, HXL11, HM17b, HF10, HA10, Hua10a, HLZD11, HZM11, HLY12b, HM14, HM17c, HM18b, HCLL18, HLW19, HM19, HT16b, IB11, Ibr11, ILS13, Iom18, JKK11, JGSS10, JYF$^+$11, JA11, JKK12, JNBK13, Jan10, JPB11, JJ19]. **equations** [JW18a, JL11b, JW18b, JW19a, JL19, JL20, JS11, JLTB12, Jia12, JD12, JYYL16, JZJ18, JL18, JZL18, JKS18, JKS19, Jum10, JKMS12, KP13, KVW18, Kar18, KÖ10, Kat11, KSG11, Kaw15, Kes10, KM12, KKBR19, KBAF18, KW11, KTDT17, KMRN12, Kig10, KG11, KL16b, KAA19, KPG18, Kon16, Ku18, KY11, KK14c, KT18a, KV18, KMT10, KM11, LK15, LT13, LC10a, LL12b, Lee15, LC11a, LLZ10, Li10b, LCW10, Li10e, LF11c, LJ11, LZC11, LS11b, LW11b, Li11a, LWBW13, LCS15, LZWC16, LL16a, LH16, Li17b, LSS17, LCQL17, Li18c, LQMW18, LCS18, LHY18, Li18d, LX18, LJK$^+$19, LZ11e, LK18, LRZ18, LBJ10, LLY10, LBW11, LL16c, LKU10, LJ10b, Liu11a, LXK11, LLH11a, LY11d, LZKU11, LHF11, LXP11, LZY11, LLH11b, LS12b, Liu12, LHL12b, LRH13, LLLC14, Liu15a, LX15a, LL15, LZ15b, LLT16a, LLT16b, LWZ16, Liu16d, Liu16c, LYZ17, Liu17, Liu18c, LCLL18, LB18]. **equations** [LFAL19, LW13, Lu11, LHTL19, Luk11, Luo19, LT11, LLX11, LM18c, MX10, MKHC11, MF11, MZL13, MLL16, MWL18, Ma19, MBS17, MN11a, MTM11, MBH11, MKR12, Man18, MTN19, Mar16, MR10, MPfTX18, MP19a, MDBCF16, MO14, MLZ$^+$16, MP11c, MS12a, MD15, MPLR18, MY10, MI16, MM18d, MS15, MSG11, MN10b, Mor13, MGW11, MAH18, Mur08, MB10b, Naw11, Ned12, NMR15, NZ16, NT17, Odi10, Ols10, Oru19, OF16, Ouy11, ÖZ11, Pan11, PLKC16, PS16, PR11, PS12a, Par11a, PIAH10, PGW19, PH19, PZA19, Per18, PPD10, Pet11, PT15, Por18, Pov12b, Pov19, PP12, PLT17, QAA$^+$16, QZF19, QHT16, QLT$^+$18, QY17, QCS$^+$19, RM17, RHMA18, RSDR11, RZ16, RKF18, Ray16, RS15, Rey12, RÖ10, RTT17, RTV17, RCM11, RA12, RA19, SP10, SD10a, SNH10, SNMA12, SD15a, SC19a]. **equations** [SYG11, SR15, SSA12, SH11, SZA$^+$18, SD12a, Sal11, STC18, San12, SBEB10, SAIZ15, SMM19, SKTH11, SZ12a, SBB$^+$18, Sed13, SYI12, Sha14, SHH16, SBS12, SG14, SXM11, SZZ11, SM17, She16, SS17, SWL16, SG11b, SC16, SW16a, SZL$^+$17, SW17,

SLM18, SW12, SOK19, SPST18, SG16b, SG16a, SG10b, SWC11, SJC14, Sou11, SSC19, SLM16, SYW11, Su12, zSdZ10, SLL12b, SK14b, SLW18, SR18, TZWM10, TZ15, TTG16, TM17, TG11, TS11a, TNP17, TAS11, TNF11, TB10, Tia19, TMDTTC16, TT14, Tom11, TY16, TDN19, TNHK19, TTC14, UKI11, ÜM16, VA10, VA11, WC10b, WSG10, WKG10, WW11a, WS11a, WSW11, WW11c, Wan11, WZWX11, WAZ11a, WZF12a, WZF12b, WKS13, WV14, Wan15, WW16, Wan16a, WC17, WW18b, WH18, WLZ+18a, WCH18, WW19c, WW19b, Wan19b, WZC+19a, WZG19, Waz11b, WS10b, Wen18a, Wen18b, WFDW10a, WFDW10b, WLDL11a]. **equations** [WH11b, WFL11b, cW11, WLDL11b, Wu11a, Wu16, Wu18b, WCLD18, XWY11, XZ10, XY15, XYXZ16, XHM14, XM15, XZ18, XY10, XC17, XZ19, Yak11, YK18, YXS10, YX11b, YX11a, Yan12b, Yan17, YGS17, Yan18b, Yan18c, YQWZ19, YS19a, YZY10, Ye16, Ye17b, YP10, YL10b, YLG17, YN16, YDL11, Yu11b, YT13, YS16b, YS17, YTZ17, YWT18, YZS18, YQ18, YSX+19, Yus09, YSS11a, Yüz11, YSS11b, Yüz12b, Yüz12c, ZA10, ZTR11, ZM16a, ZFZ10a, ZFZQ10, ZJ10b, ZYG10, ZLZ11, ZTH11, ZD11, ZGW11, ZQ11b, ZL11, ZLY14, ZTC14, ZLL14, ZCH14, ZH15a, ZYW15, Zha15a, ZZ16b, ZY17a, Zha17b, Zha18e, Zha18g, Zha18d, ZZL19, Zha19a, ZY19, ZZG19, Zha19c, ZYZ11, ZSHL11, ZHL12, ZWMD16, ZLL17, ZLA17, ZZL+18b, ZP18a, ZZL18a, ZWH+19, ZÖXL+19, ZTSC16, ZJZ18, ZL10b, ZLS13, ZT18a, ZJ10c, ZW11d, ZWW13, ZFLM18, ZP18b, ZP18c, ZSD10, ZQ14a, ZLW19, ZC17]. **equations** [ZDF+14, ZT18b, ZMA10, dVLV18, dAS18, dSAC11, uRK11]. **Equi** [KD10]. **Equi-statistical** [KD10]. **Equidistributed** [Mic17]. **equidistribution** [KH18, MN10a]. **equilibrated** [CLN+19, NB17]. **equilibria** [BBDS11, BL12, CGY10b, NKM15, VGK+16]. **Equilibrium** [SL16c, AK11, CB11a, CB11c, CGHY11, CyL11, CAP10, CS11b, DGM14, Gro19, GDM13, JL16, JQG14, KJA10, KPR13, KM10, Laz10, NN12, Pal12, Pir11, PT11, SK11a, Sca11, She11, She12, SW11, Sun10, YNLK10, ZLL11, sHC11]. **equipment** [ZZXY12]. **Equivalence** [WS16, PKK12]. **Equivalent** [AAB+13, LCH19, SNEP19, Che12c, RHD18, SST19]. **Ericksen** [MSW18, Zha18f]. **Ericksen/Allen** [MSW18]. **Erratum** [ID10, KYR11a, LYS12a, WWW11a, WWW11b]. **Error** [CKL18, CXMO19, DHMU16, FT10, FM11, HR19, HLY17a, HC14, HZP18, LA11, LZH16, LR17a, RTT17, SZ17, WLC11, XFY18, ZCW15, ZHZ14, AV14, Bac14a, BP19, BPC17, BO18a, BN16, BQS16, BWL18, BV17, BS15c, CCKP15, CCZ18, CJN19, CHY19, CUK12, Cho17, CH17, CGO19, CLN+19, CGJ+14, DESV18, DPM15, DA18d, DSZ18, DWS19, DMRS18, EO15, EE10, FR16, FOS19, GG18, GRBT16, GGS16, GS18, GOS18, GSZ14, GH18, HM18a, HLL+15, Hou15, Ibr16, Ikh11, Izs15, Kim14, KT15, KKJ15, LMR19, LHL12a, LX16, LCH19, LSZ11, LPP15, MMT18, MRR18, OC14, OY19, PS18, PLT+19, PL17, QZ16, RDE+17, RCRV14, RA11b, RC18, VP11, VAK+19, WZ18b, WNTW19, Wei17, YS19a, ZDL11, ZY11, ZD15]. **error-control** [PLT+19]. **error-resilient** [CUK12]. **errors** [CTM+13, KT11b, TTMJ12, XC11a, XLK11]. **errors-in-variables** [CTM+13]. **Escherichia** [XBHN16]. **escrow** [HKHK13]. **Escrowable** [NCL13]. **essential** [JM15]. **Essentially** [GDM13, LX18]. **Establishing** [HHS+10]. **Estimate** [WZ10, BQS16, BV17, CKL18, CXMO19, DA18d, DLS18b, GSZ14, LWSL19, MPZ11, VP11, Wei17, Wu18b, ZHJZ11, ZY11, ZY15c]. **estimates** [Bac14a, BP19, BWL18, CCRS17, CCZ18, CM16c, CH17, DSZ18, DWS19, DHMU16,

EGG16, GH18, HR19, Hou15, HLY17a, HC14, HZP18, HT19, Ibr16, Izs15, JLL18, Kar17, Kim14, KT15, LCH19, LWBW13, LW19b, LPP15, MMT18, McN12, MP12, MRR18, OY19, OÖ11, QZ16, RCRV14, RA11b, SZ17, WKP+14, XFY18, YS19a, ZCW15]. **Estimating** [WL12a, LWC13, WL11b]. **Estimation** [Luk11, OC14, AHV10, AY18, AEG11, ASB12, BKR11, CJ18b, CHY19, CMS10, CTM+13, FSM19, FJC16, FM11, FR16, HW11, KSMT11, KPP13, LK14, LX16, LD13b, LD11a, LL13, Lin10b, LCT12, LSD10, LB11, MM13, PL17, Pop13, SMC10, SLYY13, TWLYÖ10, TZMZ12, WYD10, ZDL11, ZGZ13]. **estimator** [AV14, CJN19, RC18, WL11b, WZ17a]. **estimators** [CCKP15, CLN+19, KKJ15, VAK+19]. **eTCR** [HKKK13]. **Euclidean** [PDHL12, tWqLzGkP11]. **Euler** [ABT19, ABL15, Agr10, AM12c, BM12a, Bri10, CM12a, Gol13, JYYL16, LX18, MLL16, Mor10c, Mor10d, MT18, OF16, Öza11, OSS10, PTP14, QCS+19, Sle13, WFL11b, XZ10, YDL11]. **Eulerian** [AP19a]. **European** [ASSV18, Ciu11, KDU15, LW17, ZLTY16, ZBL12, ZH18b]. **evacuation** [EAEH18, GW12b, ZC11b]. **evaluating** [DA12, RZL11, SD15a, Zha11b]. **Evaluation** [FL13a, HMF16, HWyL11, MMHGM17, WTC+12, BS10b, BA11, BSN13, CM10a, CP16b, CKM12, GP19, Hot13, HSBL11, Ima17, ID10, JW05, JLCS10, KRGS+10, LLSS13, dCMdSGTdC+16, RFK16, SSS+11a, WhJxLwW11, WWH12]. **evanescent** [SKCL19]. **Even** [YZMA18, JW18a, LLY10, LZY11, ZYG10]. **even-order** [JW18a, LLY10, LZY11, ZYG10]. **Even-parity** [YZMA18]. **Event** [JCWZ16, WCZ13, dlPBTW13]. **Event-driven** [JCWZ16]. **events** [AM11]. **Eventually** [BC12]. **evidential** [KBDC12]. **Evolution** [SD15b, AA15, Asl11, APTZ19, Bis10, BB08, CLCF14, CZL17, Chu11a, CP15c, CP16c, CFF15, DGA18, DB11, EO14, EBENEA10, FOX11, GYTD12, GM11, HY11, JKK12, JKS18, KS12b, LK15, LL16d, LMZ17, MB10b, NT17, PRR18, RSB14, SSA12, SZDO10, SG10b, TTG16, eT10, WFC16, XYXZ16, YMLL18, YS17, YHC18, ZLL14, ZM17a, ZLT18, ZLY+13, ZJ10c, ZY15c, ZLGL11]. **Evolutionary** [CG15, GACMO13, LYC12, SLMZ12, ZM18, AZB13, BDK+11, Bra13, Bur13, Che11e, CQLX11, CH17, DZS10, DSZ18, HDHL11, HM18a, KOPS13, LHL18, MVB+12, OSZP13, SZ17, THZ+11, YC10a, Zha18a, dAS18]. **evolutions** [ZTY+19]. **EVSS** [Wan13b]. **Exact** [AA15, BEAA11, BGF15, DGL12, Gep16, HBE14, JKB11, KSG11, LCM14, LK15, LD11b, LDL11, LZL19, MDW11, MP11b, MP16, MCKM12, Tar17, XX10, YGS17, ZLZG11, Ade17, AAEG17, BCSCB+15, CCKP15, Cie13, CJCV10, DGA18, DGZ13, DPZ13, DLS18b, EK16, EM19, FKDN15, GK13, HLTL17, JRZK11, JL12, KNZ19, Kuo18, zLZ19, zLYLQ19, LSX13, uHS12, MM18a, MI16, PMA17, Ray16, SR17a, SH11, SMK18, Sea11, SK11d, TZ15, Wei10b, YMLL18, YYLW19, ZTW+19, ZBL12]. **example** [AZB13, BDHR18]. **exchange** [Col14, GLM+11, KMT19, SCA14, TL18, YNS+14]. **exchange-based** [YNS+14]. **exchanged** [HYS+14]. **exchanged-based** [HYS+14]. **excitation** [GB18, SP12, WCH13]. **excitations** [BDGS13, BPS18, LKL+15]. **excited** [ZHS+19]. **exclusion** [MY16]. **Exclusive** [GXZ11, XGXZ10]. **EXCMG** [DLZ19]. **Executing** [HSS+12]. **exemplified** [Zbo19]. **exhaustive** [WY11b]. **Existence** [AZH10, AA11, ABJ11, AEO15, ALI11b, BS12a, BK11a, BK12a, BH10, CW19, CM15, CP15b, Cha11a, CC19, CCX13, CTC17, CTG17, CO19, CHZ19, CyL11, CS11b, DN18a, FSHZ11, FKeT12, GTC18, GRS18,

GL17b, Goo11b, Goo11a, GH13b, HYCP11, HVR18, HB12b, HX14, JL11a, JPS10, Jia12, JZ11, Kim11, KMT10, LLZ10, LF11c, LJ11, LZ12a, LL16a, LT18, Li18b, LS19b, LZ11e, LZ11d, LLZ18, LH10a, LKU10, LWKK10, LZKU11, LLL12, Lü14, Luo18, MX10, MTAS17, MS12a, MP19d, MAH18, Ouy11, PT11, PLT17, QCT17, Qiu12, SLK12, SM17, She18a, She18b, SLL12a, SZ12b, SLL12b, TJ10, eT10, TB10, TDN19, TNHK19, WZF16, WS17, WL17a, WW14b, WZ15, Wu18a, XZR16, XC18, XLD11a, XLD11b, Yan10d, YW19, ZFZ10a, ZBF11, Zha11c, ZZ15b, ZXZ17, ZH18a, ZDB19, ZCH12, ZJ10c, ZZ18c, ZCY11, ZLW19, dSAC11, AKL18a, AKRT14, BZ10]. **existence** [BM10a, BB12, BK10, CT11b, CHS19, DG10b, DC10, FH16, HKJ14, HL18a, Jal14, JLWX18, JS11, JLL19, JLF17, KKD13, Li13, Li16a, Li17b, LX15a, Luc10, Ma18a, RHMA18, SNDK18, SW12, SW11, Sta11, WAZ11a, WAW15, XWY11, XZ19, Ye15, Ye17a, YLG10, YM13, YS19b, ZSH11, ZFZQ10, yZjM10, ZFZ10b, ZS11b, ZJ17, ZSL19, Zho16, AaC19]. **exotic** [KKT13]. **Exp** [Asl11, GM11, NTR15, AKMUH17, YP10, Ade16, Asl10, BB08, Cha11c, Chu11a, RNB11, ZZ11b]. **Exp-function** [Asl11, GM11, NTR15, AKMUH17, YP10, Ade16, Asl10, BB08, Cha11c, Chu11a, RNB11, ZZ11b]. **expandable** [HD16]. **Expanded** [WW19b, IK16, LRH13, SJC14]. **expanding** [QWGJ15]. **Expansion** [CM11a, WH11b, YMDZ10, CK15, CRRS11, Dem10a, Dra11a, Gep16, GMZ15, HA18b, HLZD11, JKB11, KBA11, KY10, LZH16, LR17a, MCKM12, MBHV10, NSYY13, PZ11b, SG10b, YH12]. **expansion-iterative** [MBHV10]. **expansions** [MD10]. **expansive** [WC11a]. **expectation** [LCCC10]. **expedited** [JFS14, JFS20]. **expensive** [QAA+16]. **experiment** [CI18]. **Experimental** [GSI19, CB19b, MLSLM15, YWL+11a]. **experiments** [Ehr18, HNK13, KV17a, XC13]. **Explicit** [AM17, Ben17, CY19, DWZ16, Kaw15, LL12a, PBK19, AVV18, AKSW19, BDHR18, DGM14, HMF+19, HLL+15, KAS11b, MMT18, MVKK14, MM18d, OC14, PRS18, Sou12, XZZ16, ZGD14]. **Explicit/implicit** [CY19]. **exploitation** [SLCC12]. **Exploring** [DM18]. **exponent** [D'A18a, DL18, DSL18, FRZ15, KSZ18, LeT10, LY14, LL16a, LT18, LS19b, LLZ18, LLT16b, MAST18, MPLR18, Sha18, She18a, SC19b, WLW+11]. **Exponential** [Ahn12, Cvi10, IW18, KP13, KO13, ML19b, SS14b, WL10, Bai11a, BEAA11, BTB18, BK13, CL16b, FM18, FXCC18, GP11, Gar13, HA18b, JHW15, Kli10, LK18, LZZ11a, LO16, MF18a, MSV18, MSA12, MT18, PS12a, PCM12, SI10, Tam16, UMLF13, WSS10, WV14, XH11a, YT18a, ZFZ10a, ZFZ10b, ZJ12]. **Exponentially** [ED11a, Chu11c, CFLX18, TH13, WHZL17, XFL16]. **exponentiation** [KBDC12]. **exponents** [MV11, RA19, SNDK18, Wan15, WS17]. **expression** [JL12, LY11d, MBH16, PC11a]. **expressions** [Tia11, TO11]. **Extended** [CAH11, Kim17, AEH19, Ade17, AM10b, ABCR10, Bho14a, Bho14b, CL12a, EAAED10, EAA10, FVZ18, He16, KO11a, KO11b, KK19c, KM10, LYC+19, LMZK16, Man18, MZM18, NUNAS11, PXXZ16, Sea15, SJPS11, ZSAN18, ZSAN19, GD16]. **Extending** [CRG16, JTC+10b, XW19b, Boy16]. **extensible** [MX15, YW11b]. **Extension** [AZ15, PB12, PCK13, RR14, YSW16, BS12b, BGM19b, CM14, DDD10, Dos18, GY11, HRMS12, KV10, LCW12, PC11a, RZ17, TÇA11, XKH10, ZWY19, ZL13]. **extensions** [Jic10, LSM10, XW10]. **extensive** [LZF18, WZG19]. **Exterior** [Dai14, BT15, BBBM16, CLL19, DGR18, FIW17, GVSP12, LDHH13, Sam19]. **exterior-like** [BT15]. **external**

[COR18, DS18a, PK19, Sah17]. **Extinction** [CP15c, GCG12]. **extinctive** [CP16c]. **Extra** [Boy16, MHL11]. **extracted** [AY18]. **Extracting** [BPG10, LYX11]. **extraction** [HpD11, JPP12, PDHL12, ZWJ+11]. **extragradient** [CB11b, CAY12, YLK10]. **Extrapolation** [FHZ10, ZGD14, DZW16, DLZ17, DH18, FHZ13, hGzS15, Gos10, GH18, HRHP17, WW16, WW18b, ZDF+14]. **Extremal** [LZ10, QZ11, Ili12]. **extreme** [LLD10]. **extruder** [HHS+17]. **eye** [FdOdSS17]. **eyed** [CNH17].

F [Pan17]. **Faà** [XW10, XC11b]. **Faber** [Gal11a, SKPW14]. **Fabrizio** [AVR17, MV17]. **face** [HCL12b]. **face-structured** [HCL12b]. **Facebook** [HCHH12]. **facial** [PC11a]. **factor** [CKL18, DESV18, KL16b, WCH18, YZGW10]. **Factored** [LZ11c, BK14]. **factorial** [CI18, Mor10b]. **Factorization** [Raf12, RTB14, JJ13, LYS12a, LYS12b, LZD17, YXYH10, ZHB11]. **factorizations** [PPC13]. **factors** [ASSV18, BS16a, Bor10, Dos18, DD13, NJV13, PTP14, Sar11, Sav10, SS19]. **FADE** [CLJ11]. **failure** [DRK11, FSM19, LL13, VC12, WLT13a, Yoo17, ZC11a]. **failures** [ABDKD12, YWW+12]. **fairing** [HH18b]. **fairness** [CZ10]. **falling** [JK11c]. **families** [GHM+14, IBB10, KYO10, RR19, ZR18b]. **family** [AS11b, BG10a, CsH10, CGHY11, CS10c, CS11b, CS11c, CSN11, Fer12, Gar13, GK11a, GK11b, GDZ11, KS10a, KBS11, KKS10, KA10b, KT11b, Li15, LCC12, Mor13, Pir11, She11, SOJC10, sHC11]. **fan** [LSM10]. **Fast** [Bho14a, Bho14b, BCG17, BE18, BG13, Che11d, CL17b, DWZ13, DFM15, FF15, HIS19, KQ11, KYY12, LCLL16, PJ17, QCG15, Som13, TXL19, VMFF18, ZZL19, AP19a, AML+14, BC16, BDS15, CDY11, Che15b, CWDL17, CUK12, Du12, DJZ18, FSB17, FZL+18, FNW18, GIMZ14, GM14a, GA10, HLT12, JW18b, JW19a, Li19b, LN19, Liu16a, LCW17, dCMdSGTdC+16, MR19, YZWW14, ZN18, ZLC+14, CC15]. **fatigue** [LYJ15]. **fault** [LTT13, PA15, PFBL10, XCM12]. **faulted** [PFBL10]. **faults** [MVB+12]. **FCMBP** [THZ+11]. **FD** [MFSL19, Bay19, FLP13, GV11a, HMV18, JM15]. **FDAEs** [IB11]. **FDM** [SS19]. **FDTD** [HCLL18, NZ16, SWL16]. **FE** [ABB17, JM15]. **feasibility** [CAY12]. **feasible** [Zha15b]. **Feature** [PTL13, JWX+13, MLY11, PDHL12]. **features** [CLW11, FHH13, IK12, JMNZ19, LHHZ12, NJV13, SST19, ZLY12]. **February** [Ano18-73, Ano18-55, Ano19-63, Ano19-65]. **Feedback** [BHH16, KLY16, XCXW10, ATZ11, Che11c, HSC17, HLZ15, LZT11, LCYC12, LMZ17, SSAM11, Wei12b, Zhe11]. **feedforward** [SYO12]. **Feir** [HS12]. **Fejér** [BCB11, Som13]. **Fekete** [ODR10]. **FEM** [AHP+14, BS14a, BS15a, BLS18, BPS19, Bol16, BV17, CGHW14, CO15, EGG16, FWW14, FM18, FP18, GM18a, GOS18, Git14, GM19, GH18, PZJ+16, QZM17b, SW17, Von19, Wei14, Wei17, Yan15, ZR18c]. **FEM-based** [PZJ+16]. **FEMs** [WY15, YS19a, YWH14]. **Fermat** [KV10]. **ferroelectric** [MM18b]. **ferromagnetic** [AHP+14, GTZ19, LM19a, MGS+14]. **ferromagnetism** [LTJ+16]. **FESTUNG** [FRAK15, JRA+18, RAW+16]. **FETI** [CHK+18, KLP10, KCL14b]. **fever** [ZLZ18]. **Feynman** [DZ18]. **FFT** [BM18b, Cos18, VZM14]. **FFT-based** [BM18b, Cos18, VZM14]. **FG** [ATH18, ATH19]. **FGM** [BKE18]. **fiber** [HTWS15, LTSW16, Sza15, YTC+18]. **fiber-reinforced** [Sza15]. **fibering** [ZG18a]. **fibers** [AGH+15, PvdM13]. **Fibonacci** [CKMR11, CM10c, DRS11, EE10]. **Fibonacci-polynomial** [EE10]. **fibre** [ZR18b]. **fibrous** [BCSCB+15, Ryl15a]. **Fick** [BHZJ19]. **Fickian** [KRP12].

fictitious [BZKR15, FT15, HHS+17]. **Field** [WRW13, BPS19, BTEM19, BN16, BKMT16, CPP10, CYP16, CFdM+18, COR18, DFW+18, FGB19, HHM12, ILP+11, KVW18, LK11, LTT13, LH19, LSC17, LCWZ18, LC12b, MCB10, PFDG17, PGF18, SLL17, SWC11, STDLM19, Sul16, TG14, Tao18, WCW13, Yaz11, YAS+11, ZRE16, ZKWW17]. **fields** [AS11d, Cia16, CFS17, Kia18, Kup14, LMW10, LX18, LRZ18, OTiSY16, ÖŞ11, Ryl15b, TMLF19]. **fifth** [BQS16, RR18, SG14]. **fifth-order** [RR18]. **filament** [YNS+14]. **file** [JXZ+10]. **filled** [AG11, GYH11, RSL+18, RKA+18, SRRP18]. **Filling** [FGPP17, DC15, HLZM16, IS14, MGTH16, ZOZZ12]. **film** [BRFH16, CJ12, GHL18, JK12, KWFY11, KS12b, MJ14, Mom11]. **films** [Lin14]. **Filter** [TKBMT17, ZZC13a, ZZC13b, HDHL11, ILP14, KPP13, PTL13, ZLL12]. **Filter-matrix** [ZZC13a, ZZC13b]. **filtering** [BKP11, CFN11, CCR16, CCSZ14, DNR13, KNIF13, KPP13, TSB16, TMZ+15]. **filtering-based** [DNR13]. **filters** [Ali11a, JK11b, Pet15, YZ10b]. **filtration** [Zho16]. **final** [CLJ11, TKBMT17, TDN19, TNHK19, XW19a]. **finance** [PG10]. **Financial** [Baa13, Lee14, DGTC13, SS19, Tha19a, WHS11, ZLY12]. **financing** [Chu11c]. **find** [FHH13]. **Finding** [SBS12, ZM14, Boy16, Gem16, KG11, PZ11a, PZ11b, Pas14, PPD10, XYXZ16]. **Fine** [JCZZ13, AES11, FBB10]. **Fine-grained** [JCZZ13]. **fines** [IL13]. **fines/bacterial** [IL13]. **fingering** [ST14]. **fingerprinting** [TXZ+10]. **fingers** [LL12a]. **Finite** [AG10b, BR18, BDGS13, BDGG14, BK15, CPP10, Cha18, CFLX18, CDN19, DK18, FXC18, FN14, FIS18b, GMS18, GCDG17, GD16, KO11b, KCK19, LBvB+16, LDL+15a, MvS18, RCM11, SNSK19, SLW18, SI17, THGG14, WZ18a, WL13b, XFL16, ZKR+12, ZH15a, ZCLW19, ZY17d, ZG16, ZQ14a, AD19a, AvB16, ADGS18, ABRL18, AHHM19, ABCR10, AAD17, AEDL14, AJT19, AOW18, ABLS15, ACAS11, AVZ15, Ara18, ACE17, AS19, AP19b, AO13, AKL18b, BCCZ18, BCH+18, BN14a, BP19, BS10b, BPM14, BGGCGRSP16, BB15, BMM12a, BBBM16, BWL18, BS18a, BZKR15, BDHR18, BMSS18, Boy10, BO18b, BC17, BSY+19, BS15c, BS17, CsH10, CB11c, CKSL+14, CKL18, CDG15, CGH14, CH19, CR18a, CEQ14, CW15b, CG13, CWW15, CLM12, CLM14, CLH13, CHLY15, CS18, CCZ18, Che19b, CHY19, CTZ17, CV14, CS14a]. **finite** [CFdM+18, CCCW10, CK15, Cho17, CCK18, CS10c, CELY18, Cia16, CFS17, CB19b, CM14, CG14, CN16a, CX18, CCM14, Cos18, CSU13, CT17c, DRT+15, DL19, DO11, DA18d, DFGG13, DFG19, DT17, fDxZ11, DNS18, DGLU18, DZ17, Dun18, EFK15, EDC14, ED12, EG18, FKF13, FLdS14, FDG+17, Fia15, FVZ18, FIW13, FMSV17, FGHZ17, FNW18, GY15, GL17a, GLW13, GML17a, GLP18, GP19, GCE18, GGH18, GD11, GR10, GS15b, GDZ11, GLZ18, GZW+18, Gur13, GGO16, HMF+19, HHY13, HLL13, He16, Hei10b, HJD15, HS18, HR19, HTL10, HVO17, HH15, Hou15, HD16, HLY17a, HW16, Hu15, HMWZ16, HCZ16, Hu18, HZM11, HD19, IK16, IS14, Ibr16, JSGP16, JMHF13, JZ13, JM16, JPS14, JPCY13, JW18b, JW19a, JLTB12, JHW15, JYYL16, JLL18, JN14, JZE+18, JAJ18, KS10a, KB19, KK15, KKS10, KA10b]. **finite** [KW14a, KL16b, KT11b, KKL+13, KVR11, KB13, KRBS18, KdLK19, LT13, LC10a, LL12b, LL12a, LMR14, LN98, Li10c, LMW10, Li10b, LY13, LR15, LLML15, Li15, LR17b, LLFT17, LW17, LCQL17, Li18e, LXZ18, LHL18, LX18, LNW19, LZ19a, LH12b, LRH13, LWL14, LHL15, LX15a, LDL+15b, LZJY16, LS17b, LLLW18, LZ18c, LCHZ19, LFAL19, LLYL19, LR13, MZC17, MBS17, MZM19, MS11a, MMHGM17, Mil18, MP19b, MNPD15, MFSL19, MMH11,

MHM11, MM18d, MLGY16, MWY17, MT18, Mur08, NJ16, NNK13, Naz13, NHH13, NH15, NSYY13, OBCG19, OTiSY16, Oh15, OY19, ÖŞ11, PS16, PPC13, PS18, QY13, QCLC17, RZ17, RMM11, RMB+14, RQ18, RGHZ15, RHC15, Rua19, RS18b, Saj12, SBvdV13, SMM19, SDH15, SDH13, SRDD17, SD11b, gShYL10, SH12a, ySW10, SLW14, SWL15, SW16a, SZL+17, SB14, SJC14, Sou12, SST12, SK19, SR17c, SR18, TPHD18, TTT10]. **finite** [Tam16, TH19, TCHW19, TS16, TCM15, VHPVNXW18, WSW11, WWA11, WW14a, WAG+14, WC15, WZM+16, Wan16a, WHTZ16, WHS17, WC17, WCSW18, WH18, WLZ+18a, WBZY18, WW19b, WH14, WFZ12, WBA+18, WV15, Wu18b, WX18a, XD17, XZZ16, XFY18, XFH19, XGH17b, XCZQ16, YT18a, YH15, YZMZ16, YWH14, YSX+19, ZTR11, Zbo19, ZRE16, ZR18b, ZR18c, ZYWZ17, ZS13, ZHY14, ZHZ14, ZT15, Zha18c, ZL19b, ZY19, ZH19, ZWH+19, ZLZ10, ZC11a, ZH15b, ZMFL18, ZSY19, ZZL15, aZ18, ZKBE16, dVLV18, sHC11, DJD18, WKBR18]. **finite-difference** [Cos18, Gur13, Hei10b, HS18, Saj12]. **finite-element** [AvB16, AHHM19, Rua19]. **finite-size** [GLW13, WAG+14]. **finite-source** [GD11]. **Finite-time** [SNSK19]. **finite-volume** [GR10, GGO16, RQ18]. **finitely** [Lam13]. **finned** [Ima17]. **fins** [RSL+18]. **Firefly** [dSCM12]. **firms** [Che11e]. **First** [GGAVRC+19, Hes14, HZ11, Jan10, QZ16, VLFS12, BS15c, CCKP15, CW17, CLTA11, DG13b, DGT18, HM18a, JRZK11, JZL18, KPG18, Ku15, LKU10, LHF11, MDVM17, MBHV10, MJWD19, SL18b, TZWM10, TZZ11, TT14, Tsi11, Waz11b, YJ19, Yüz12b]. **First-order** [Jan10, CCKP15, DG13b, DGT18, HM18a, KPG18, Ku15, LKU10, SL18b, TZZ11]. **Fisher** [AÖ10b, He16, KO11a, KO11b, LLSW10]. **FISM** [FKC12]. **fission** [DYH11, YYC11]. **fit** [Che12c]. **fitness** [SSM12]. **Fitted** [Arq18, BP11b, CWW15, LZZC12]. **fitting** [HH18b, HD19, JCF19, RKW12, yS10, ZL13]. **FitzHugh** [AAA12, UKYK17, Zha18h, ZS15]. **Five** [Boy16, RQ18, ZRE16]. **five-equation** [RQ18]. **five-field** [ZRE16]. **Fixed** [AE12a, AHF10, AH11b, HLS11, IN10, KK10b, MTM11, Mar11a, XLY10, ZC10, Zha11d, Ahm10, Aki17, AIB10, AR10d, AKS11, APS12, BS12b, BR12c, BKR+19, BKNR19, CB11a, CB11b, CB11c, CFN11, CAY12, Cha11b, CAP10, CSW11b, CS11d, CM10b, ĆSCD11, DL16, EE18, GRS12, KPR10, Kar10a, KT11a, KL12a, KKS10, LJYS18, LC11b, LT11, MP11b, MP16, MAK12, NS11, NKM15, Pir11, Pop11, Qiu12, RH15, RA11a, RI12, SK11a, SLK12, SZ12a, Sha10, She12, SCK11, YBC11, YLK10, Zha14, dBD17, sHC11]. **fixed-point** [Zha14]. **Fixed-points** [XLY10]. **fixed-stress** [BKR+19, BKNR19]. **FL** [LXF11]. **flame** [Özd18]. **flames** [AM13b, AM18, XA13]. **flash** [WY19b]. **flat** [DVM12, FZBF10, IC12, PvdM13, TMDTTC16]. **flatness** [VMO10]. **flavored** [DLS14]. **flaw** [SR16]. **Flexible** [SSESG12, AT18a, DM12a, DRK11, KSMT11, KRD16, Kuo16, NKA18, SST12, YLC12, YNS+14, ZG19]. **flexible-joint** [YLC12]. **flexural** [CRA19]. **flicker** [AR10c]. **flight** [YGH11]. **floating** [BR13a, ÇA14, DTR19]. **flocculation** [JQG14]. **flocking** [BHK16]. **flooding** [JS12a]. **Flow** [BHZJ19, ZZC13b, AVR17, ASFM15, ALHZMC+19, Ala10, AR10c, AKSW19, AdSSS19, AR17, AGPR19, AP19b, AJS14, BP19, BASW18, BPR18, BV10, BGP13, BMSS18, BPZ19, BKR10, BFS15, CCR16, CCY18, CZ11b, CV14, CP10, Col14, Das12, DSWB18, DNP15, DZW+15, DSL11, DSM18, DGM14, DFP+13, DKM17, Eba14, EG10, EUTS18, EEBM10, FKKS11, FBTS19,

FZBF10, GQF+10, GLW13, GZR+13, GHT+15, GD10b, GOT19, GK16, GK18, GDM13, GSZ11, HMF16, HLB14, HMM12, IIHI10, IIHuI10, IBSS11, JNJ+11, JK10, JK11a, JGK13, JVMF19, JQG14, KMT19, KP18, KG14, KSD+19, KRCJ11, KWFY11, KPG18, KTH13, KCL12, KRBS18, KORR10, LDS10, LR14, LF11b, LBZL11, Lin11, Lin14, LBvB+16, LZZ11a, LZZ11b, LGL+14, LZP+19, MMS+18, MA10b, MC11, MCR11, MAN+15, MGN+16, MM18a, MDL18, MEAMHHV18, MM19, MMA12, NMR15]. **flow** [NNL13, OHMAK18, PZZ18, PTH+16, QaY18, RHMA18, RSV11, RBB12, Ran15, RA18, RQ18, RTL19, Rua19, SSS16, SK14a, Sah11, SL12, SPH10, Sal16, SCA14, Sea15, STS19, ySGL+10, SB14, SKTD13, SR10b, SRV10, TR14, TH19, TC18, Tod12, TDM13, UKA15, UMLF13, WH11a, WL13b, WCQ+19, WBN18, WS16, YZ10a, YB13, YNS+14, ZAK18b, ZLS19, ZCSG13, ZZX+14a, ZZX+14b, ZZLB18, ZDB19, ZJB19, ZNWG11, ZLC+11a, ZWG11, ZD18]. **flow/Darcy** [LWL14]. **flowmeter** [HBK+19]. **flows** [AD19b, BTEM19, BB18, BSZ16, Bis14, CP15a, CYL17, CL15, CD16, CHH14, Cos18, DdSF13, DVY14, DJD18, Ers16, EAAS18, FLZ14a, FL13a, GLR13, GLP18, GJX18, GGO16, HBK+19, HG16, HS18, HWyL11, IK16, JKZ11, KRP12, KSO16, KLRW12, LMPE18, LZZC12, LLML15, LZPZ19, LH19, LSC17, LMLB19, LG13, LZG13, LZB15, MSV18, MA16, MC10a, MR14, MMHGM17, MS17, MLZ+16, NNK13, NDC+19, NN13, OHK+19, PDN19, PLR15, PD11, PM10, PLMS14, RAZ19, RY10, RRAK19, RTRR18, SSHH+18, ST15, SPT17, SMF17, SS16a, Ser19, SZ17, SL18a, SGK18, SPP18, SKFG11, SKTC15, SKTC19, Sul16, TY13, VMP15, WWLL13, Wan13b, Wan14, WSCW16, XZ11, YY11a, YSW16, YL18a, ZSW15, ZYZ+16, ZLZG11, ZZC13a, ZZC13b, ZQ14b]. **flowshop** [AA10b, AA10c, LLW11, LBH+12]. **flowtime** [LCC12]. **fluctuating** [DH10c]. **fluctuations** [De 10, VV14]. **Fluid** [HMF16, MMS+18, AGT19, ABT19, ABV11, AGD10, AYY12, Bab14, BHK16, BHZJ19, BP19, BPR18, BMS13, BV10, BGP13, BPZ19, BKR10, BHH16, CCR16, CTSX16, CST14, CLTA11, CRXL15, CYZZ18, CL15, Das12, DSK+14, DTR19, DFP+13, DKM17, DNR13, Eba14, Ebr11, EDC14, EEBM10, FKKS11, FZBF10, FAIV10, GK16, GK18, GF19, HB19, HZ10, HHS+17, HLSN15, HTY+19, IBSS11, JNJ+11, JRZK11, JKZ11, KEHB18, KNT12, KRCJ11, KDG11, KPG18, KSO16, KTH13, KVR11, LX16, LM18a, LL16c, LZZ11a, LZZ11b, LGL+14, Liu18a, zLYLQ19, Ma18b, uHS12, MZM19, MSV18, MC10a, MC11, MCR11, MM18a, MMT18, MMHGM17, MR19, MUB+16, MLZ+16, MMH11, MEAMHHV18, MLSLM15, MM19, OHMAK18, PFDG17, RSV11, REHA11, RQ18, RHC15, Rua19, Sah11, SL12, SPH10, SCA14, SISH12, SM10, Sul16, TTX+16, TRL19, UKA15, VPR11, VHPVNXW18]. **fluid** [WSW11, Wan14, WSCW16, WTLS18, XXG10, XBHN16, YZ10a, YJ19, Yoo17, YTL+18, Zak18a, ZYT+16, ZZLB18, ZLZG11, ZWG11, ZLHF19, ZH15b, ZPGW16, ZD18]. **fluid-conveying** [XXG10]. **fluid-dynamic** [BMS13]. **fluid-particle** [ZYT+16]. **fluid-solid** [BPZ19, HLSN15, MMT18]. **fluid-structure** [HB19, HZ10, LX16, MZM19, MUB+16, RHC15, Yoo17]. **fluid-submerged** [VHPVNXW18]. **fluid-thin** [KEHB18]. **fluidic** [HWY14]. **fluidized** [ZLC+11a]. **fluids** [ATO19, AVR17, BB18, HLB14, HZLM10, KL16a, Kup11, RY10, Tri11, Yan19, Ye19, YM13, ZR16, Zha19c]. **flutter** [Kia19]. **Flux** [SL16c, AP19b, BRR16, CS18, DFG19, EA10, FDG+17, GWR+18, HLSN16, LWSL19, LvS15, MN10a, PK19, QCS+19, RA18, RDE+17, Ryl15a, SS16a, XWY11, YSW16, YZMA18, ZQ14b].

flux-vector [ZQ14b]. **foams** [HJD15]. **foci** [Wei12b]. **Fokas** [AAEG17, EGAA19, TDXQ18]. **Fokker** [AAH+18, AHOP18, Loh16, SK14b, ZL12a]. **fold** [Noo10]. **folding** [TH13]. **foldon** [DYH11]. **follower** [yN11]. **following** [HR15]. **food** [Bae10, MW17, PQB+16, PQBK17, TZ13]. **food-chain** [TZ13]. **force** [BCD+16, CJP12, CJP15, FIVM17, FIMV18, HM10, KNZ19, LX10a, TBP19, WSCW16, WGY+18, ZYSY17, BDR19]. **force-correction** [FIVM17, FIMV18]. **Forced** [HF10, AAZ10, AM10b, KNIF13, LS12c, PHM+19, SSH15, SK11c, SZP+11, WAG+14, WL16]. **forces** [Cve11, SEM13, WZC+19b, WCH13]. **Forchheimer** [AGPR19, IK16]. **forcing** [BCD+16, FLZ14b, Gen11a, Ima17, KYA15, MPGW19]. **forecasting** [LCCC10, SLCC12]. **foreign** [PLKCC12]. **forensic** [GMAM12]. **Foreword** [Mai12]. **form** [BD19, CL17b, DLD10, DFS14, HZ16, HZ18, JLCS10, JW15, KTK18, Kup11, LTX10, LC13, uHS12, MTN19, MV12, Men18, PMM17, SNH10, SMDI18, SBM13, TC10, WFDW10a, dS15]. **formal** [LML11, Med12]. **formation** [AGT19, FL13b, GZW+18, IW18, MGTH16, NGL10, RdSRL19, SD11b, SFM15, YGH11, ZY15b, ZS15, Zho13]. **formations** [CM10a]. **formats** [EHL+14, LYM12]. **forms** [CDG16, CP10, ID16, Lam13, LNP+12, XD10]. **formula** [AJY13, ADK10, AM13c, BM10b, Dos10, GTG11, GZ14, IS12, KB10b, Mor10a, Mor11b, Pal12, WCH18, XW10, XC11b, ZH18b]. **formulae** [KAS11a, LCN10, SH12b, Wei10a]. **formulas** [Mor11a, PMM17, Tha19a]. **Formulation** [GGVRB19, BPS19, BGR14, Bog10, BM18d, CL11, CGO19, FKF13, Fio14, FIW13, Füh18, GGS16, GV11a, HMF16, HMWZ16, JRA+18, KPS10a, KPS10b, Kar17, Kar18, KLP10, KCL14b, KCL16, LMR14, LVF+16, LPML19, LSV18, MMT18, MSFS18, NJ16, RS14b, RG11, RTT17, SH12a, SP12, SAR18, TLR17, VGC+15, WHS17, WHS18, XW14, YASK10, YTZ17, YT18b, ZRE16, ZR18b]. **formulations** [AHHM19, AJRWS12, BQ17, BT14, CW17, CR19, CLN+19, Sag10]. **Fornberg** [AO10a, GS11c, Lu11, SEY12]. **Fortin** [Che14, NPD17]. **forum** [LYX11]. **forward** [DE11, HLvS18, Tha19b]. **forward-backward** [DE11, Tha19b]. **foundation** [BKE18]. **Foundations** [Ana10, TWLYÖ10]. **Four** [DD10, ZL10a, AW11, LW11a, MM10b, SR10a, YGH11]. **Four-dimensional** [DD10, MM10b]. **four-point** [AW11, LW11a]. **four-tiered** [YGH11]. **Fourier** [AK19, BHZJ19, BM13b, BCF10, CNR10, CK15, DZ16, EO15, GGGR13, HLX18, ILP+11, LL14a, Lee17, LK18, Oh15, RA19, Sat11, THGG14, ZJZ18]. **Fourth** [PS16, WGY+18, AM13a, AZ17, BCK11, BDO11, Bra10, CY14a, ÇT12, CLTA11, CT17b, CM16c, DL10, DL19, DC10, Fis18a, FR16, GK11b, GS11b, GL16, HY10, HLL13, HK17, IBSS11, KS12a, LCN10, LW11a, Li16b, LDL+15a, LDL+15b, LLLW18, LLYL19, MX10, NLA19, Naw11, PCO16, PR11, SXM11, SGZW18, WWA11, WRW13, WZM+16, XY10, YZX18, YC10b, ZSH11, ZY17c, ZZX16, Zho19]. **fourth-grade** [IBSS11]. **Fourth-order** [WGY+18, AM13a, AZ17, BDO11, Bra10, CY14a, CLTA11, CT17b, DL19, DC10, Fis18a, GS11b, GL16, HLL13, KS12a, LCN10, Li16b, LDL+15a, LDL+15b, LLLW18, LLYL19, MX10, NLA19, Naw11, SXM11, SGZW18, WWA11, WZM+16, XY10, YZX18, YC10b, ZSH11, ZY17c, Zho19]. **fourth-step** [GK11b]. **Fowler** [KM11]. **FP** [YÖ10]. **FR** [LZD17]. **Fractal** [Hot13, PU10, Ryl15b, SG10a, WZXL11, YL18b, BI12, CSZK10, FJC16, KLMV12, Lin10b, LW11c, WZ18a, ZDV13]. **fraction** [GK11a, GK11b]. **Fractional** [AT11, Ana12, BMC13, BI12, BDGBM11, CYS10, DV10, DPZ13, DB10, EK13, GS11b,

IMD11, JKMS12, KB10a, KFYW11, KA13, LMPG13, LRTV10, Mag10, MBJ16, Oua12, PM13, RRGTV10, Sea15, SC19b, YjH18, Zho11, Zho12, ZFLM19, ABM11, AM13a, AD15, AD19a, ARESH18, Abd11, AEH18, ABB17, AHV10, AZH10, AA11, AdAS11, AJS19, AN11a, ANP11, AW11, AN12, AK18, ArEM10, AAH+18, AM14a, Alo11, AKL18a, AK19, Amb19, AT18b, AJT19, AT19, Ana10, AM10c, AHOP18, AHJM18, AKRT14, AR17, Arq18, AE12b, APTZ19, AET19, BZ10, Bai11b, Bai12, BS12a, BHZJ19, BK11a, BKT11, BK12a, BKT12, BZK12, BM10a, BMA11, BR12a, BMJ10, BB18, BG19, BB10a, BHM12, BCK11, BDGBM12, BZ18, BH11, BL17, BMH19, BSY+19, BK10, CHS11, CLT+13, CFRS10, CHXL18]. **fractional** [CP15b, Cha11a, CANK11, CZN12, CB11d, CC19, CCD10, CSZK10, CBM10, CZ11a, Che12b, CLCF14, CLB14, CW14, CXZ15b, CLC16, CWDL17, CZL17, CYZZ18, CJ18a, CHZ19, CLA19, CWY19, CTM+13, CL17b, DG13a, DGB10a, DGB10b, DGTC13, DN10, Dar11, DGA18, DN18b, DH17, DB11, DA18c, DA18d, DQ10, DZW+15, DZ18, DMD10, DRD12, fDxZ11, fDxZ12, DBEE11, DM19b, DMV11, DH16, DCRL13, Dun11, DZ16, DJZ18, EBENEA10, EBENF10, EGAA19, EKS10, EN11, ESBR10, ESN10, Els10, EOM11, EZM12, ESL11, EKE18, FDB13, FLZ14b, FJC16, FJ19, FES17, FSHZ11, FZL+18, FZ18, Fer11, FNW18, FKeT12, GD10a, GTC18, GP11, Gar13, GMP18, GK13, GH14, GR13a, GY11, GS11a, GL17b, Goo10, Goo11b, Goo11a, GZ10, GABC16, GJX18, Guo12, GJ12, GW12c, GML17b, GLW18, GF19, Gup11, GS11c, HK10, HXX19, HS11a]. **fractional** [HP19b, HO10, HM10, HB12b, Her14, Her19, HHG14, HA16b, Hol11, HNPS13, HLvS18, HTV13, HA18b, HHGA19, HGN+10, HXL11, HLZD11, HLX18, HLW19, HT19, IB11, Ibr11, ILP+11, IW18, JGSS10, JYF+11, JA11, JNBK13, JRZK11, JKZ11, JMB10, JL11b, JW18b, JW19a, JLTB12, Jia12, JD12, JL18, JLL19, JZ11, JZ12, JC12, JLF17, Jum10, KK11a, Kar18, Kat11, KK14a, KKBR19, KBAF18, KKAM11, KAJ11, Kir10a, Kir10b, Kli10, KCK19, KBK19, Kun12, LZ11a, Lan12, LHD18, LeT10, LEN10, LMS13, LLZ10, LCP10, LJ11, LZC11, LDW11, LS11b, LX12a, LLC13, LZ16a, Li17b, LLY18b, LS19b, LGZ19, LD19, LZ11e, LZ11d, LK18, LRZ18, LN19, LJ10b, LB11, LZZ11b, LS12a, LS12b, LZB12, LJX12, Liu12, LC13, LDL+15a, LDL+15b, Liu17, LZCL18, LZLL18, LCWZ18, LLLW18, LZP+19, LZG19, LFAL19, LDY11, LCC13, LXY19, LHTL19, Luc10]. **fractional** [LMP13, Luk11, Luo19, LLX11, MP10a, MPZ11, Mac12a, Mac12b, MT10, MAB19, MHHC18, MCL+13, MZB10, MNJ+13, MLZ+16, MB10a, MV17, MP11c, MMH11, MHM11, MRS+12, MM18d, MN10b, Mop11, MN11b, MY13, MGW11, MAH18, Mur08, MCN10, Nab19, Naw11, NB11, Odi10, OMT12, OSA13, Ouy11, Pad18, PCS13, PS16, PH19, PZA19, Pet11, PAT12, PAT13, Pov12a, Pov12b, Pov19, PK19, PA12, Pu12, PLT17, QXG13, QX19, QZF19, QLT+18, RMS10, RM17, RZ16, RA18, Ray16, RS18a, Ray18, RG18, RSS10, RA19, RZZ19, SD10a, SD11a, SMF10, SSAM11, SC19a, SR15, SEY12, SRM11a, SSA12, Sal10, Sam19, STC18, SAIZ15, SMM19, SKTH11, Set12, She18b, SZL+17, SY18, SW12, SS18b, SS16c, SZC+18, Sou11, Sou12, Sta11, SZ11, Su12, SLL12a, SZ12b, SLL12b, SND19, SI17, Tar17]. **fractional** [eT10, Tha19b, TB10, TS11b, TC10, TMSO12, Tri11, THD19, Tru19, TKBMT17, TKHL18, TDN19, TNHK19, VA11, VMO10, WHS11, Wan11, WZWX11, WAZ11a, WL11c, WL12b, WZF12a, WZF12b, WV14, WV16, WW16, WH16, WW18b, WH18, WLZ+18a, WLL+18, WRY18, WW19c, WZC+19a, Wei10a, Wei12a, WZKY12, WLL12, WZ18c, WLGL10, cW11, WW14b,

XW19a, XZR16, XH11b, XC13, XHA13, XWH16, XJ18, XSYL19, XX19, XaZH19, Yak11, YY14, YY15, YXS10, YZ10a, xYsHjL11, Yan12b, YL16, YGS17, YCHW18, YJ19, YQWZ19, YDL11, Yu11a, YW11a, YDW15, YQ18, YZ19, YSX+19, Zak18a, Zha10, ZBF11, Zha11c, ZS11b, ZTH11, ZW11b, ZLPM13, ZCH14, ZTZ16b, ZLTY16, ZZM17, ZZLB18, ZH18a, Zha18b, ZCLW19, ZZL19, ZSL19, ZL19a, ZJB19, ZHS+19, ZSLZ19, ZY19, ZSHL11, ZCH12, ZL12a, ZLA17, ZZL+18b, ZWH+19, ZLZ10, ZJZ18, ZL10b, ZJ10c, ZG16, ZFLM18, ZZ18c, ZP18b, ZP18c, ZLW19, aZW17]. **fractional** [aZ18, ZMA10, dSAC11, uRK11]. **fractional-delay** [YW11a]. **fractional-in-space** [RZ16]. **Fractional-order** [EK13, IMD11, ABM11, AHV10, DGTC13, DM19b, FDB13, HK10, JZ12, JC12, Kun12, LZ11a, LCP10, LLC13, LCC13, MHM11, MRS+12, Pet11, SD10a, XC13, xYsHjL11]. **fractional-power** [HM10]. **fractional-step** [DN18b, DZW+15]. **fractionally** [DM10]. **Fractions** [SVY16, ZZT11]. **Fracture** [BCPS15, CR18b, Che19b, LS17b, MPS18]. **fractured** [AGPR19]. **fractures** [DJD18]. **fragmentation** [CHY12]. **frame** [FNZ13, LGHR16]. **framed** [TZMZ12]. **Framework** [HSS+12, BMS19, BM18b, BMS12, BP18, CMMP11, DNS18, DA12, HpD11, IBG12, IL13, KSPP11, KK12, Kim17, KRD16, LYM12, MS17, Rob14, RGHZ15, WTSS10, ZHV19]. **frameworks** [SBB+18]. **FRAP** [PMM17]. **Fréchet** [CANK11, KY10, Ols10]. **Frederick** [CTS19]. **Fredholm** [BMRA10, BGPP11, BKY10, KMRN12, MN11a, MBH11, MSG11, SD10b, Waz11b, YSS11b]. **Free** [ABR+14, EF14, JK11a, Kia16, WL17b, AD15, AML+14, BC15, CB19a, CQ13, CCY18, CLL19, CJN19, DA16, DA18c, DSZ18, DWS19, EE18, FF15, FRSC16, Gal10d, GOT19, HW19b, JK10, JGK13, JW15, Kia18, LD13b, LHY11, LMR14, LSW16, LY15, LZWC16, LL16b, LD18, LL19b, LPML19, Ned12, PLW+18, PHM+19, RSL+18, RZL11, RRAK19, RSS10, RS18b, SH18, SSH15, Sin16, Ste16, UKA15, VCM11, VAS+18, WmN13, WZ17b, WL13b, YK18, YDL11, ZDLC14, ZHC17, ZL18, Zha18c, Zha19a, ZTW+19]. **free-surface-flow** [JK10]. **freedom** [Rus16, YMM12]. **frequencies** [XXG10]. **Frequency** [MMT18, YASK10, BD19, BT14, CL11, CFRS10, CCKY12, CJP12, CJP15, GM18a, LYJ15, LCT12, MR15, MPMTV15, OTiSY16, PD17, QCG15, RG11, dBD17]. **frequency-amplitude** [YASK10]. **Frequency-explicit** [MMT18]. **frequent** [FKC12]. **friction** [BDS17, DKM17, SH12a, TS11b, YGR11]. **frictional** [BS15b]. **frictionless** [SbX19]. **Friedrichs** [GMS15]. **friendly** [GVJ13]. **Fritz** [CS10a]. **Frobenius** [BR12c]. **frog** [CCL+12]. **front** [BP11a, HBS+10, LGVS19, PC14]. **front-tracking** [PC14]. **frontal** [WKP+14]. **frontier** [He11]. **fronts** [CS16, CDW11, JSGP16, She16]. **frustration** [YA11]. **FSI** [RKD18, WCZ+19]. **FSKD** [LZL+13, YWL+11b]. **FTS** [LCCC10]. **fuel** [AaC19, BGRS11, CS13, GZR+13, HMP+15, JS12b, SCA14]. **Fujita** [CCP19, DL18]. **Fukuyama** [SR17a]. **full** [CI18, KVW18, WSH12]. **FullSWOF2D** [WBN18]. **Fully** [DM19a, GGH18, HM18a, Kim14, LX16, SPH10, TG14, Tao18, WL16, ZP18a, AsNAd10, BP19, BO18a, CGO19, DWY15, DVY14, DSVS15, FN14, GGVRB19, Li10e, LWZ16, MM18b, Pap15, WZKY12, ZR18c, ZHZ14, ZZL+18b]. **fully-discrete** [ZZL+18b]. **fully-mixed** [CGO19, GGVRB19]. **fully-symmetric** [Pap15]. **Function** [DDM+18, MvS18, PW11, Ade16, AH11a, ASMEE11a, Asl10, Asl11, AKMUH17,

BASW18, BL14, BB08, Cha11c, CP16b, CZ10, CHL18, Chu11a, DHQ11, DO11, DCG+12, Elb11, GK11a, GK11b, GM11, KKT13, KC12, KRGS+10, KH13, KYA15, KY11, Lam13, LLW11, LLWZ11, LLSS13, LCLL18, Luh12, LLW15, dCMdSGTdC+16, MSTB17, MB10a, Mor10b, Mor11a, NTR15, NWZ11, OCNG12, PA12, RNB11, RRC11, RFK16, RKF18, RHD18, Saj14, SL16b, SKJ10, SJPS11, SW19, TSB16, ÜM16, WWG10, WL11b, WLHZ14, Wei10b, YX16, YP10, YTZ17, ZY10a, ZZ11b, ZX11, ZJ12]. **Function-based** [DDM+18]. **function-vorticity** [YTZ17]. **Functional** [BH11, AZH10, AJ11, Bae10, BH10, BO18b, BPX11, CANK11, CP16a, CW10b, CZ11a, Chu10, DE11, DN10, GP19, GKK11, GKM11, GJ12, Jan10, JLWX18, JS11, Jia12, JD12, KP13, KC11, KH18, LG10, Li13, Li14, LWD15, LH10a, LZY11, LY11c, LS12b, MPS18, MRR11, Par17a, SP10, SCV10, Su12, TNF11, WSG10, YXWL14, ZL14a, ZCY16, ZCH12]. **functional-differential** [CW10b]. **functionally** [AB18, FXCC18, Kia16, KM13]. **functionals** [DB15, LG17, RSB14]. **Functions** [BT10, AKT12, AD10a, AD11a, ABR10, AT11, ADK10, Ant10, AS10a, AS10b, ASMEE11a, AX11, AS11c, ASMEE11b, ANR11, AuIK11, BS10a, BMRA10, BM11a, BS15a, Ber16, BL14, Boy10, BM13b, BBD10, CCJV11, CCN14, CGH14, CEF+13, CKN11, Che11a, CS10b, CH11b, CL16b, Cvi10, DE10, DAM14, DM16, DMPV10, DD10, DW18a, DP15, Dra10, Dra11a, Dra11b, DRS11, EAAED10, EAA10, ELS11, FRZ15, FKDN15, Fur13, GYH11, GMP18, GS12, GK18, Gue13, GJ10, HS11a, Haz11, HT12a, HT13, HK15, HKKK13, HT16b, JW19b, KVJB15, KV17a, KV17b, Kaw15, KRP12, KC10, KLTS11, Kir10a, Kir10b, Kli10, KHUO12, LS10a, Las10, LW19a, LY10b, LY11a, LSM11, MBH11, Mar11b, MJ10, MG11, MI16, MN10b, Mos10, NP12, Noo10, NNAS11a, NNAS11b, NNAS11c, NM11c, Noo11, NM11b, NB17, NODA11, Ols10]. **functions** [ODR10, ORD11, OSS10, PT15, PG10, QYL10, RKP12, RS12a, RRGTV10, RA12, Sae11, SK11b, SSO10, SID15, SKPW14, SOS11, Sim10, uIAH10, SRM11b, Sok10, Sok11, SWW11, Som13, SGQ12, SW16b, Swa10, SK11d, Tha19a, TMDTTC16, THD11, THH12, TO11, Wan08, Was13, Wei14, Wri13, XC11a, XLY10, XZL10, YL10a, YH12, YY11b, YH11a, YLLN16, Yüz12b, ZZ11b, ZX11, ZC16, Zha18d, ZcHS18, ZZL18a, Zhu10, ZS18]. **functions-based** [ZcHS18]. **Fundamental** [DH16, MV17, AA18, BML11, BL17, Deu10, Erg19, GK18, LCLL16, LW18a, LMP13, OZF19, SVY16]. **fundus** [MAN+15]. **furnaces** [KSMT11]. **Further** [HSBL11, KÖ10, LC12a, LZ19b, PB11, DG10a]. **fusiform** [WSC16]. **fusion** [DYH11, HLT12, JMNZ19, LZS12, RMK19, ST12, YYC11]. **Future** [WZCC10, BEAA11, Eba11, PHWM10]. **Fuzzifications** [JK11b]. **fuzzified** [MM11]. **Fuzzy** [AN11b, AD11c, BL11, BKM11, BKK11, DZK10, Dav10, DZY11, DLWW12, HX11, JKK10, JLP10a, JK11c, LKS10, NGL10, ÖI12, PdlF10, PATA11, PB13, SYL10, SKH12, WO10, WPH11, Yan11a, ZZ10a, Abb10, AH10a, ADA11, Ahn12, AD11b, ABFGZ11, BV11, BKR11, BBC+11, BC11, BMM12a, CS10a, ÇA10a, CA10b, CKN11, CZY13, CCBSRFRM11, CL12c, CHT11, DH10a, DRK11, Deb12, DMPV10, DSA09, FJWW16, FLLF10, GKK11, GSS11, AB11, GWL11, HVA10, Haz11, jHlXZ11, Hua11, HYL10, JS12b, JTC+10a, Jia11, qJhY12, JMST11, JW19b, Jun10, JLP10b, JY11, KD12, KOPS13, KSKK11, Kuo11, LF11a, LN10, LS10b, Li10a, LZH12, LH12a, LZYW13, Lin12, LXF11, Liu11b, LC12b, LWC13, MZLF10, MZJ11, MS10a, MSA12, MZQ11, MBKK10, Mok11, MSG11, MME10,

NM11a, PC12, PB12, PCK13, Ram11, SP10, SR12, Sae11, SDM10]. **fuzzy** [SK10a, SJN10a, SJN10b, SM11, gShYL10, SMC10, SZGG11, SLYY13, SSL11, TMMASG10, THZ+11, TK11, TD10a, VP11, VB10a, WSL10, WC11b, WYG12, Wan13a, WL13a, WZWS11, WYK10, WD12, XS10, YÇG12, YLY+09, YWHC11, Yil10, YZXW10, YZ10b, YZGW10, YLJ12, hYxLL10, hYlLL11, ZJ10a, ZFZQ10, ZJZ+11, ZW11c]. **fuzzy-stochastic** [DRK11]. **FVM** [MLSLM15]. **FWA** [Mok11].

G [BA11, CyL11, Jic10, LXYT11, Pan17, WY11b, BA11, Yu11b]. **G-convex** [CyL11]. **G-WKI** [Yu11b]. **G.** [EMRS12]. **G.729** [YZ12]. **G/G/1** [BA11]. **G/M/1** [BA11]. **GA** [DWI+12, KX12]. **GA-based** [KX12]. **GA/PSO** [DWI+12]. **Gaddum** [AH10c]. **gain** [IK12, KJA10]. **Gait** [SCC+12a]. **Galerkin** [AD15, AvB16, AEG18, AEH18, AMGC19, AB10b, AT18b, AYH17, AO13, Bac14b, BP19, BP11a, BNTT14, BS16b, BDF16, BQS16, BS14b, BKZ17, CKSL+14, CCN14, CGGM19, CNV14, Cer18, CEQ14, CW17, CWHW17, CWWY15, CFdM+18, CDL17, CHH14, CN16b, DA16, DA18c, DFGG13, DWZ16, DSZ18, DWS19, DB12, DHY19, EDC14, EHL+14, FRAK15, FHS18, GL17a, GML17a, Git14, GM19, GML17b, GHL18, HA16a, HT16a, Hof18, Hou15, HMY18, Izs15, JMHF13, JRA+18, JZL18, Kar17, KB19, KWAS16, KCL14a, KW14a, KCL14b, KW14b, Kim15, KCL16, KPS17, KS15a, KSMN11, LPLR19, LZWC16, LL16b, LSS17, LXZ18, LQMW18, LD18, LNW19, LMLB19, LZ15b, LWZ16, LCW17, LZLL18, LZ18c, LFAL19, Loh16, MBS17, MT19a, MLG17, Moo18, MWY17, NCC13, NN13, OBCG19, PGQ16, Pet15, Pul16, QY13, RAD13, RCH19, RAW+16, RRAK19, RTT17, Rob14, RCM11]. **Galerkin** [Ros12, RC18, SNMA12, SDH15, SL18a, SXM11, SW16a, SZL+17, SW17, SLM18, SSS11b, SR17c, SND19, TAPA+17, TCM15, TW18, UMLF13, VZM14, WW14a, WLL+18, WZKY12, WSM+19, XW14, Yil19, YSB15, YK17, ZYWZ17, ZS13, ZDLC14, ZSY14, ZLJ+18, ZL18, ZLL17, ZP18a, ZY11, ZZX16, ZD15, ZC17, aZ18]. **Galerkin-like** [YK17]. **game** [CQLX11, DH10a, KWPK13, SLXC11, ZC11b]. **game-theoretical** [ZC11b]. **games** [CA10b, KJA10, LH12a, yN11]. **Gamma** [Bai19, Che11a, LNP+12, Mor11a, PG10]. **gap** [LGC+17]. **gaps** [HL11a]. **Gardner** [PDM11]. **Gas** [LBZL11, ABL15, BMS13, CM19b, GZR+13, GT15, GT16, HBS+10, HL18b, KSO16, Kup14, LF11b, LZPZ19, LZZ19, LG13, LZB15, Mok11, PZZ18, PLMS14, SCA14, Wan12, WSCW16, WSM+19, ZLC+11a]. **Gas-kinetic** [LBZL11, HL18b, LF11b, LZPZ19, LZZ19, LZB15, PZZ18, PLMS14]. **gas-liquid** [KSO16]. **gas-lubricated** [Wan12]. **gas-mixtures** [GT15, GT16]. **gas-solid** [ZLC+11a]. **gas-vapor** [Kup14]. **gas-water** [LF11b]. **Gate** [CM12b]. **gauge** [CDN19]. **gauged** [Luo18]. **Gause** [LPY16, WX18b]. **Gause-type** [LPY16]. **Gauss** [AD10b, BDM19a, ED11a, Gon13, PCS13, RRC11]. **Gaussian** [Boy10, BM13b, DO11, FLP13, LFJ11, LSJ12, Luh12, MDVM17, MR15, MT19b, PLT+19, RFK16, RKF18, SC13]. **Gaussian-based** [FLP13]. **Gaussians** [Xia11]. **Gaussons** [YS17]. **GBH** [Jav11]. **GCD** [Ipe12]. **gear** [CJ12]. **gear-bearing** [CJ12]. **gel** [GGH18]. **Gelfand** [EM19, SMK18]. **gels** [LCA+17]. **General** [CCRS17, HC16, HW19a, LTX10, NN12, Par18, Pet15, AB16, Ara18, BM10b, BGF15, BS11b, BPG10, BKY10, BBD10, CsH10, Cao19, CL17a, CGY10a, CGY10b, CGY11, CKW13, CT18, DYX11, FN14, Fra11, Gal11c, GTC18, Haj18a, Haj18b, HVO17, JJ13, JL15a, JL15b, JJ15, JYL16, KA10b, KTDT17, KL19, Lee11c, LY11d, Luo19,

MB11, uHS12, Mar16, NUNAS11, PC17, PW18, RWTW19, SCSF19, Sar11, SOK19, Som13, SW19, TM18, TZG10, TNF11, Tod15, TAA14, TÇ12, TC10, Wan08, Wan18, WL10, Xu14, XGH17b, YH11a, YX11c, Zha11a, ZHY14, ZSQ+18]. **Generalised** [MS10a]. **Generalization** [TD10b, VSI12, AZ15, BMY13, GSR14, Liu10, Noo11, SS11b, XZL10]. **Generalizations** [QH11, LZJ12, MB10a, Pop11, Yak11]. **Generalized** [Agr10, ABDKD12, AHOP18, CT10a, CELY18, DMD10, GP11, Gue13, jHlXZ11, KT11a, Kha10, KLMV12, MC11, MT10, MKS13, MD10, OMT12, OCNG12, Pet14, Pov19, PB13, RK10, STC18, SS16b, SC16, TM17, WJWW12, YDL11, ZWMD16, ZLWL11, ADZ19, AD19a, AKT12, AE12a, Ade16, AA15, ABCR10, AH11b, ASMEE11a, ASMEE11b, ANR11, ASV11, BEAA11, BK11b, BR18, BC10, Bis10, CB11a, CM16a, CMR17, CGY10b, CGHY11, CTSX16, Cha11b, Cha11c, CLF10, CDW11, CLTA11, CTC17, CM18b, CyL11, CZ15, CZ17, CS12, CAP10, CSW11b, CS10c, CBB15, Cie11, ĆSCD11, Ciz12, CM10c, DAM14, DM16, Dos18, Dua18, DKM17, ES17, FWZ16, FSZ17, FM12a, FHA16, FSCG11, GML17a, GS11b, GKK11, GJ10, HLLM19, HGHA19, HY15, HKK+16, HP17, Her14, HZ11, HM17b, HTY+19, HM14, HM17c, HLX18, HM18b, HYC18]. **generalized** [HWXC18b, HWXC19, IK16, JPS10, JBBL17, JK11b, KV10, KSG11, KM14, KAS11a, KK10b, KB10c, Kir10b, KSMN11, KK19b, LX10a, LK15, LCP10, LS11b, LXL12, LZWC16, LZL19, LCW19, LWL11, LC11b, LL12c, LMRS10, LMDL11, LZZ11a, LSZ11, LZZ11b, LFJ12, LGL+14, Liu16e, Liu16c, LZ19c, LWW19b, LWW19a, LS11d, LXY19, Luc10, Lup11, LM18c, ML19a, MDRRV11, MRS15, Mar11a, MPfTX18, Men18, MPS18, MLZ+16, Moh15, Mor10a, MK17, MN11c, NTR15, NNAS11a, NUH12, Oru17, OSA13, OSS10, PC12, PT11, PMA17, PA12, PL10b, QTW+18, QL10, RMM11, RG18, RA11a, RTV17, Ros12, SK11a, Sah17, SR15, SR17b, SPL19, Sav10, SIL19, SSR11, She11, SC13, SEM13, SKPW14, SMBY10, Śmi11, SK19, TM12, TZ15, TCM18, TWLYÖ10, TBP19, TTX+16, ÜM16, WZXL11, WmN13, WY16, WTYZ17, Wei10b, Wu10, WZ11b, qXjH11, XHM14, XHA13, XCS18, YTD+18]. **generalized** [Yan10d, Yan10b, YJ19, YT12, Ye15, YT11, YYLW19, YN16, YASK10, Yu11a, Yu17, Zak18a, ZS11a, ZSZ17, ZFZQ10, Zha11d, Zha15a, ZY17a, ZXZ17, ZDZY17, ZL18, ZZ18a, ZL12a, ZHJD13, ZLZG11, ZWG11, ZJZ18, yZjH12, ZYW17, GD16, SD12b, Yan18c]. **generalized-PSS** [Yan18c]. **Generalized/Extended** [GD16]. **Generalizing** [MT11]. **generate** [LRCG16, Tso13]. **generated** [ÇHK11, DSWB18, FLDZ12, MvS18, OVV+16, Seg19, TTT10, Tia11, YGS+16]. **Generating** [AM14b, DMP18, Ma19, OSS10]. **generation** [BTEM19, BH14, FF15, GC19a, HTL10, KYW+18, KH18, MM18a, RSL+18, RKA+18, Sin16, SW10, VMFF18, ZN18, ZD12]. **generation/absorption** [MM18a]. **generations** [SLMZ12]. **generator** [Çan11b, DGGBTRJF12, FSCG11, HMP+15]. **generators** [PPD10]. **generic** [GK11a, MBH16]. **genesis** [AAP12]. **genetic** [AAP12, BMM12a, BD11d, Bog10, cFpClC13, HDHL11, KS10b, SBKS12, SKK12, XDL12, YC10a]. **Genocchi** [Öza11, OSS10]. **genus** [WZF16]. **Geo** [AM11, AM11, LXYT11]. **Geo/G/1** [LXYT11]. **Geo/Geo/c** [AM11]. **geodesics** [HWW13]. **geodetic** [CHM+10]. **geological** [CM10a]. **geomechanics** [AKSW19, KLK15]. **Geometric** [AGPR19, CS11a, FGPP17, Hai10, JYK16, RKD18, RC17a, WL13a, WY16, WKBR18, ZWY19]. **geometrically** [KVJB15, KV17a, KV17b].

geometries [BV10, IQR16, KVJB15, KV17a, KV17b, TPHD18]. **Geometry** [XY16, DNS18, HN18, HGJP19, Hot13, HWH+15, WJWW12, ZS18, WKBR18]. **GeoPDEs** [Váz16]. **geostrophic** [FIW13, WY18b, Zha18e]. **gesture** [LNKU12]. **GF** [YXYH10]. **Gilbert** [BM19, LT13, Pu12]. **Gini** [Dra10]. **Ginzburg** [FSZ18, RSB14, WH18, XaZH19, ZY15a, ZZL19]. **Girkmann** [DFGG13]. **girth** [ZYS10]. **given** [CS11a, LZ10, LHH10, SK11c, WZ10, ZYS10]. **Givens** [Abd18a, BMY13]. **giving** [EZM12]. **glaciology** [MLGY16]. **GLHSS** [FZ14, Mia18]. **Global** [AKL18a, AET19, CM13b, CQ13, CL15, DWY15, Din13, DYQM14, FAHZ17, FT10, FH16, HKJ14, HY13, JPK18, JLL19, KG14, Kar10b, KKD13, LZ11b, Li13, Li16a, LMY19, LZ14, LL16c, LX15a, Ma18a, Ma18b, NT17, RHMA18, RC17b, RA19, Sun10, TTM19, VBW10a, VBW10b, Wan16b, WW19a, XWY11, XMW10, Xu11b, XGH17a, XZ19, YX16, YLG10, YWT18, YZS18, YQ18, YZ19, ZFZQ10, yZjM10, ZZ18b, ZSL19, ZMWH18, ZZ10b, Zho16, AJS19, AG10a, BM10a, BG15, BS11b, BSN13, BPF13, CCKP15, CANK11, DG10b, FSTN18, FST19, FQLC18, GYTD12, GYH11, HL18a, HSMT19, HXL11, JLF17, JKS18, JKS19, Kim14, LC10b, Li12a, LY12b, LW15, Li18a, LPY16, MN10a, Mor13, PG10, SI10, SKK12, WHD14, WQNF12, WLYX13, XJYL17, YW10, Ye15, YN16, YS19b, ZH18a, ZFY+19, ZLW19]. **global-model** [BSN13]. **Gmeiner** [SLW11]. **GMLS** [DM16]. **GMRES** [MZES12, WNTW19, YLC16, ZG19]. **GMSSOR** [ZZ14]. **GNFS** [YXYH10]. **GNU** [FRAK15, JRA+18, RAW+16]. **Goal** [DPM15, SWOF19, BDM+19b, BWZ16]. **Goal-oriented** [DPM15, SWOF19, BDM+19b, BWZ16]. **Godunov** [Ban13, CS18, Ma10a]. **Godunov-type** [CS18]. **Gołab** [CBKR10]. **Gold** [VBW10a, VBW10b]. **golden** [RG11]. **goodwill** [GM18b]. **Gordon** [CT18, DM16, DL14, GML17a, MS18, Wan19a, CM11a, FYYT11, HHGA19, KTDT17, LZWC16, MPfTX18, SH11, WV16, WL17a, Wei10b, YMDZ10]. **Gould** [KAS11a]. **governed** [Akm15, GS19, GNP14, HLZ15, Li10b, YSB15, ZG16, ZZX16]. **governing** [CW14, CWDL17, GGO16, JKMS12, Moh15, ZLTY16]. **Gower** [Li14, LWN15, YL13, YXWL14]. **GPA** [Bra13]. **GPBiCOR** [GHC+15b]. **GPGPU** [DM19a]. **GPGPUs** [JK11a]. **GPL** [PHM+19]. **GPU** [AVV18, BF16, BKL+19, Bre14, GEZ14, KWAS16, KLK15, KCC+13, KORR10, LWR16, OKTR13a, OKTR13b, OAKR16, WFL11a, WCZ+19, YLC16, YCW+14, YW14]. **GPU-accelerated** [KLK15]. **GPU-aware** [AVV18]. **GPU-based** [WFL11a]. **GPUs** [BPM14, LYC15, SKG+11]. **grade** [CLTA11, FKKS11, IBSS11, KRCJ11, uHS12, MC11, MM18a, RHMA18, SL12, YJ19, Zak18a]. **graded** [AB18, BN16, BZT16, CFLX18, FXCC18, Kia16, KM13, Osm18, XFL16]. **graded-index** [Osm18]. **Gradient** [AD16, HM18b, LSW16, WYD10, AM18, Bra16, Don10b, DFS14, FLH10, FL11a, HP13, HR15, HM14, KLK15, KM14, KMS19, KHF+19, LD11a, LZD17, LGC+17, LNW19, LSD10, LLY13, LFZ19b, MF18b, Mai16, SS17, Tan17, TNP17, WZ17b, XM15, XBHN16, ZT13, ZDL11, Zha15a, ZY17a, ZY17b, ZZLB18, ZFY+19, Zha19a, ZLZG11, ZXW13]. **Gradient-based** [HM18b, WYD10, Zha15a, ZY17b, Zha19a]. **gradient-enhanced** [KMS19]. **gradient-type** [FLH10, FL11a]. **gradients** [CNH17, RSB14, SZA+18]. **grading** [LMMT15]. **gradostat** [DKG14, MKG13]. **grained** [JCZZ13, Jum10, KHWK10]. **Grammian** [CZ17, Men18, YTS+17]. **Grammian-type** [CZ17]. **granular**

[CBB15, LMPE18, LXF11]. **Granulation** [MWWL11]. **Granulation-based** [MWWL11]. **graph** [BBR10a, FPW+11, KYAA10, KSO16]. **graph-based** [KSO16]. **graphene** [FG18, GF16, KHF+19, WL17b]. **graphical** [YW11a]. **graphics** [DSK+14, MSZG17, OKTR11]. **graphs** [AD11b, AH10c, BFG11, CHM+10, CLM11, CP10, CSS10, Dol11, IB10, LZ10, LLL11, LSM10, PB11, WFY17, WS10a, Wu18b, YA11, YKRV11, ZYS10, ZM13]. **Grasping** [GY13, LL12a, YC12]. **grating** [LHL12a, XD17]. **gravitactic** [MMFT+19]. **gravitation** [Gal11c, Gal11d]. **gravitational** [LX18]. **gravity** [GZW+18, RS18a, TG14, Tao18, hYlLL11]. **gray** [YZWW14]. **GrCCA** [LXF11]. **greatest** [VBK13]. **green** [CSSW12, AH11a, BX10, LG12, RHD18]. **grey** [WO10]. **grid** [Amo15, AD19b, BN14a, BWL18, BH14, CCZ18, CR18b, CR19, DWZ13, DBS12, HD16, HCZ16, Hu18, JJH16, KX12, LPLR19, LZZ19, LZ19a, LRH13, LDL+15b, LCHZ19, LSV18, MN10a, Nes10, PGW19, QCLC17, QM19, TCHW19, Von19, WC17, WBZY18, WFZ12, WY19b, ZPGW16, ZD18]. **gridless** [HH17]. **grids** [ATZ11, Bac14b, BG15, BE18, CG13, FVZ18, GGO16, HG16, HMWZ16, HLX18, JK10, KNT12, LZJY16, Nes10, Pas14, PPC13, PPC15, RS18b, SRGL13, SKG+11, SKFG11, SW16b, SR18, VFM19, YT13, Zha18c, ZZL18a, ZÖXL+19]. **GRLW** [Ros12]. **Gronwall** [AE12b]. **Gross** [SSC19]. **Grossberg** [Hua11]. **Ground** [CT17a, LLP19, Luo19, QHT16, ZTZ15, ZTZ16a, ZT18a, Zho19, CC19, CTC17, GTC18, LSCG16, LT18, Li18b, LLT16a, LLT16b, WZ15, Wu18a, XLT17, YW19, ZHS+19]. **groundwater** [BFS15, DA18b, ID16, LHL15]. **Group** [SS16a, eMA18, Bre14, CYZZ18, Chu10, Deu10, GZ10, HPY10, Ji14, KKK16, LL12d, MR17, OMS10, PKTH13, Ray18, RÖ10, RRP16, UKA15, XKH10]. **group-harmonic** [LL12d]. **groups** [BSZ16, LLL11, MCL15, SA11b, WC10a]. **growing** [GDF12, LSM11, TH13]. **growth** [Amo18, AM12c, BGL+15, CYP16, CZY11, CSU13, CAC14, EE18, FAHZ17, HLZM16, HMSC10, KRP12, KFTT13, LSCG16, Özu15, QMW18, SC16, SZP+11, WZ15, XL10, ZH11, ZHC17, ZMH16, ZMWH18, Zho19, dSSV17]. **Grünwald** [SKTH11]. **Grüss** [FM12a, Gav12, SS11b, TD10b, Yan11b]. **Guaranteed** [KT15, LMR19, dPRVRB13, CFRS10, CLN+19, DESV18]. **guest** [JXZ+10]. **guest-transparent** [JXZ+10]. **guide** [WD13]. **guided** [HB19, RT11]. **guides** [KSF14]. **Gurland** [Mor11b]. **Guseman** [PRR10]. **Guseman-type** [PRR10]. **gyroscopic** [CM19a]. **gyrotactic** [UABK16].

H [KKAM11, BC17, Jic10]. **h-adaptive** [BC17]. **H-G-A** [Jic10]. **H.264** [CUK12]. **H.264/AVC** [CUK12]. **Haar** [AuIK11, AuIA17, HGHA19, Lep11b, Oru19, uIAH10]. **habitat** [AEG11]. **habitats** [BL18]. **Hadamard** [ADK10, Krn12, ÖAK11, THD11, THH12]. **Hadamard-type** [ADK10, ÖAK11, THD11, THH12]. **haematopoietic** [Ben12]. **Hagen** [RSV11]. **Hahn** [HRMS12]. **half** [BMTV12, DVMS13, GF19, Kim11, KMT10, LLY10, LZY11, MR10, Pov12a, RHD18, Sha14, SZ11, Ye19, ZQ11b]. **half-line** [Kim11, SZ11]. **half-linear** [KMT10, LLY10, LZY11, MR10, ZQ11b]. **half-plane** [Pov12a, RHD18]. **half-space** [DVMS13]. **halftoning** [ZN18]. **Hall** [EUTS18, FKKS11, FSZ17, Pal13, Wen18a, Ye15]. **Hall-magnetohydrodynamics** [Ye15]. **Halpern** [Nil11, SCC12b]. **Halpern-type** [Nil11]. **halved** [AJS19]. **Hamel** [EG10, MGB+11]. **Hami** [XC13].

Hamilton [CC11, Kim17, SD12a, Tre18, YYYH19, ZQ14a]. **Hamiltonian** [Yaz11, AZ10, CT11b, CTA12, Gal11b, HDHW11, HM17b, HM17c, MZ10, MZ11, MP19a, TJ10, TZZ11, TM17, TCM18, Xu11a, XCS18, YAS+11, Yu11a, ZZ18c, dVLV18]. **hammer** [CRXL15, MZM19]. **Hammerstein** [CS12, LD11a, WCD10]. **hamstring** [GZ10]. **hand** [AT18a, KM12]. **handed** [LNKU12]. **handshake** [KK13b]. **hanging** [BS17, CDG15]. **Hankel** [AHV10, dS16]. **Hankel-norm** [AHV10]. **Hanusse** [MN17]. **Hanusse-type** [MN17]. **haptic** [BJLZ12]. **haptotaxis** [LMY19, SNSK19, ZW16b]. **Haragus** [AK16]. **hard** [CM18c, GT15, GT16, Kaw15, Par17a, Par17b]. **hard-to-borrow** [CM18c]. **Hardness** [RdSSS11]. **Hardy** [Gao12, LZJ12, NP12, She18a, SC19b, WS17, ZYY10]. **Harmonic** [BNR10, CLN+19, KNIF13, AKS10, AM14b, BJQS18, BP11a, BAO+12, BDHR18, Cao19, Ciz12, DLS14, Dos18, GVSP12, GH16, LWBW13, LCK13, LL12d, LDHH13, MMT18, MDG19, PD17, SBM13, VAK+19, Wan10b, YY11b, ZLS13]. **harmonics** [AR10c, BOY12]. **harmony** [WQNF12]. **Hartmann** [RA18, STS19]. **harvesting** [BP13, LW15, ZZ16a, ZL10a]. **Hash** [CJP12, CJP15, HKKK13, SPLHCB14]. **Hash-based** [CJP12, CJP15, SPLHCB14]. **Hausdorff** [MN10c, SSR11, WCH18]. **having** [GKLR11, KAG11]. **HBV** [HY15]. **HCRF** [Hon12]. **HDG** [JRA+18, Fu19, GS18, HPS18]. **healthcare** [KK12]. **heart** [KEHB18]. **Heat** [CK15, EA10, BHZJ19, BB15, CL19, CZF10, CR19, CC17, DSM18, DZO+19, DLWW12, DCN+18, Ebr11, EUTS18, FXCC18, GWR+18, GH15, GRS18, GMI11, GD10b, GK18, GHCZ18, HP13, HLSN15, HHM12, HLI14, Ima17, JMB10, JFC14, KMT19, KK14a, KKSK18, KQ11, LY11b, LX12a, Li17b, LZZ11a, MSV18, MC10a, MM18a, MS10c, NPR10, OP14, Pal13, PCO16, PvdM13, PK19, QXG13, QWL19, RA18, RJGS+19, Ryl15a, Sah11, SL12, Sam19, SAIZ15, SWL19, SRRP18, TL18, TY16, UKA15, Wan19b, WCCS15, Wu18b, XWH16, YF10, YL18a, Ye19, ZZHF12, ZCH14, ZYT+16, ZSQ+18, ZJB19, ZSLZ19, ZWG11, ZKW15, ZG14, aZ18]. **heat-** [SAIZ15]. **heat-conductive** [Ye19]. **heat-like** [GH15]. **heated** [CLTA11, LWC13, NPR10, YJ19, Zak18a]. **heating** [PKD19, QXG13, SSPL10, XWH16]. **heatline** [RSL+18]. **heaving** [DTR19]. **heavy** [WL12a]. **Heisenberg** [GTZ19, LM19a, LTJ+16, MGS+14]. **helices** [Lu12]. **helicopter** [SG10a]. **Helmholtz** [ASY+11, BKMT14, BKMT17, BML11, BM18c, CGH14, CC15, CF16a, CLL19, CTZ17, Cia12, DPM15, DL19, Du12, Erg19, EM14, GVSP12, Li19b, LZ16c, LCLL18, QCG15, RHD18, RCM11, SJL+19, SS14b, WX18a, ZD15]. **Helmholtz-like** [Cia12]. **Helmholtz-type** [BML11, LCLL18]. **helper** [RWZ13]. **hematocrit** [SR10b]. **hematopoiesis** [LC10b]. **hemiregular** [MYZ12]. **hemirings** [ADA11, DSA09, DSA10, Jun10, MYZ12, SM11, YJZ11]. **hemivariational** [BHM19, HLZ15, Mat19, MP19d, SMH18, XHH+19]. **hemivariational-variational** [Mat19]. **hemodynamics** [WSC16]. **Hencky** [RSH18]. **Henon** [LYZ11]. **herbivore** [Li11b, ZL14a]. **herbivores** [Li11b]. **HerEOS** [ZHV19]. **Hermite** [Ali15, BCB11, CRRS11, CDD12, KAS11a, Krn12, ÖAK11, THD11, ZL13, ZQ14a, ZT18b]. **Hermitian** [BMJ19, BR18, Cao19, FZ14, FWZ16, GHC+15b, LGG12, LM18b, MJB18, Mia18, WLD13, WWB13, WLM13, XCS18, XCZQ16, YqS16, ZLZ11, ZYW15, ZS16]. **Hermitian/skew** [ZS16]. **Hermitian/skew-Hermitian** [ZS16]. **Heronian** [Ciz12]. **Hertz** [SH12a]. **Hertzian** [HZL17]. **Herz** [Gao12].

Hessenberg [SB19, GH13a, HSMT19]. **Hessian** [DP15, HT18]. **Heston** [CGK14, HZ16, SS19, ZZ19]. **heteroclinic** [WX18b]. **heterogeneous** [CF16a, CELY18, CFS17, GM18a, Kei13, LYM12, LZP+19, MM19, SSS16, SWOF19, SCKH10, SCBCB+13, SCBCB+17, SM19, SLM16, VMP15, Vel15, ZLZ18]. **Heuristic** [HCL12a, ÁBÁPM11, DM12a, LML11, LTX+13, LCC12, LMRS10, OMS10]. **Heuristics** [AA10b, KX12]. **hexagonal** [ATZ11, KST10, SAU11]. **hexahedral** [WZH18]. **HID** [CCKY12]. **Hidden** [ML19a, SYO12]. **hierarchic** [SBKS12, SRDD17]. **Hierarchical** [KLCD16, Pul16, ZDL11, BSN13, CCK12, KÖC+18, PZJ+16, PZAR19, TAPA+17, WZH18, Zbo19]. **hierarchy** [Elb11, Gep16, NN13, YGS+16, Yu11a, Yu11b]. **Higgs** [JKB11]. **High** [ABT19, AK19, CO15, CT17b, CS14a, CN16b, GM18a, Git14, HZL17, HG18b, KYW+18, KPS17, Kim18, KK14c, Lee16, LH16, LHL14a, LZLL18, MKHC11, NHH13, RQ18, SZL+17, WBN18, YWH14, ZWW13, dVDR18, AEH18, ADGS18, AS11b, BGIN13, BS16b, BF16, BZKR15, BDHR18, BD19, BT14, BS18b, CKSL+14, CF16a, CR13, CFdM+18, CL17b, CM14, CT17c, DWZ13, DM18, DH11b, DAM14, DZW+15, DT17, DHGF17, DLF+11, Fu19, FKDN15, Gha18, GGR19, GGO16, HS11a, HBK+19, KM15, KS15a, LZJY16, MBH16, MDG19, MNPD15, MS15, MM19, MSZG17, MR15, NH15, OTiSY16, OSZP13, ODAZ15, Pes13, PD17, RES10, Res16, RTRR18, RR19, RR14, SSHH+18, ST15, SCA14, SS14b, SGK18, SSP13, SK14b, SSL14, VMFF18, WV14, WLZ+18a, WZC+19a, Wei17, XY15, XZ18, YZM+19, YTZ17, YWW+12, YSS11a, Yüz11, ZCY16]. **high** [ZC11a, ZW11d]. **High-accuracy** [LH16]. **high-conductivity** [BD19]. **high-dimensional** [CR13, VMFF18]. **high-frequency** [BT14, GM18a]. **high-level** [MBH16]. **High-order** [ABT19, AK19, CS14a, CN16b, GM18a, Git14, KPS17, Lee16, LHL14a, LZLL18, MKHC11, NHH13, YWH14, dVDR18, AEH18, ADGS18, AS11b, CM14, DM18, DH11b, DT17, DHGF17, Fu19, HS11a, KM15, LZJY16, MDG19, MNPD15, MM19, NH15, SSP13, WV14, WZC+19a, XZ18, YZM+19, YTZ17, YSS11a, Yüz11, ZCY16]. **high-performance** [GGO16, ODAZ15]. **High-quality** [KYW+18]. **Higher** [ABRL18, ATUC15, BLS18, Cvi11, DZW16, DN18b, Dem10a, DGLS19, DGK10, DR12, GTG11, GKM11, GKS10, HKKK13, KJK18, KS15b, MT12, MP19b, Tre18, Yas12, BPM14, BS12b, BC10, BPX11, BS17, CM19b, DYH11, GJ10, GM11, GH10, GH12b, GH13b, HL11b, Jaw13, Kar10b, Kig10, KHF+19, KB13, LF11c, Li12a, LKCN19, LMLB19, LYSZ19, ÖKJR19, PC17, QMW18, RZ17, SD10b, SDH15, Sea11, Sea15, Sed13, WWA11, WW11c, XG10, ZSAN18, ZR18c, ZA15, ZTH11, ZW16a, ZMH16]. **higher-dimensional** [QMW18, ZW16a]. **Higher-order** [Cvi11, DN18b, DR12, GKS10, KJK18, KS15b, MT12, Tre18, BC10, BS17, CM19b, GJ10, HL11b, LF11c, LKCN19, LMLB19, LYSZ19, SD10b, Sea15, WWA11, WW11c, ZSAN18, ZA15, ZTH11]. **highlight** [BB15]. **Highly** [BZ18, DBS12, EPP18, HMY15, LL12a, LZZC12, SSSB11, SLM16]. **hijacker** [WD13]. **Hilbert** [AD11a, AD10a, Arq18, Buo11, CGY11, CZN11, Deu10, Dra11a, Dra11b, FLDZ12, HKK+16, JH10, KK13a, KN12, Krn12, Mai10, QL10, SH10, Sle13]. **Hilbert-type** [JH10]. **Hilfer** [AM14a, FKeT12]. **Hilliard** [AEH18, BN14b, BMH19, DFJS10, GR19a, GGT14, LS19a, LJSK13, LCK17, LQMW18, LJK+19, LCWZ18]. **Hindmarsh** [CZMZ11]. **Hirota** [DTYZ18, FW18, GZZ+16, LTSW16, LWW19a, MF11]. **histogram** [QXLL11]. **history** [CXMO19, SMH18, XHH+19].

history-dependent [CXMO19, SMH18, XHH+19]. **hitting** [MDVM17, TTT10]. **HIV** [MGY11, Xu11b, YWL+11a, ZLC11b]. **HIV-1** [Xu11b]. **HJB** [CC11, CWDL17, XX17]. **HMM** [KSPP11]. **HMM-based** [KSPP11]. **Hoc** [SSM12, CHY12, DA12, LLWZ11, BK18, KG14]. **Hodge** [FRZ15]. **HOFEIM** [DKRY15, YRDR18]. **Hohenberg** [KKAM11, Lee17, PP14]. **Hohlov** [SRM11b]. **hold** [RNB11]. **Hölder** [QH11, Wan19b]. **Hölderian** [Sca11]. **hole** [DC15, NKM16, QWGJ15]. **hole-filling** [DC15]. **holes** [FGPP17, TM19]. **Holling** [Bae10, CP16a, LG10, Li13, YL13, Zha18b]. **Holling-type** [YL13]. **hollow** [KM13]. **Holm** [LXY19]. **holomorphic** [Ibr11, MKS13]. **Homann** [SL12]. **homeomorphism** [ÇT12, HY10]. **homoclinic** [CT11b, CTA12, DTYZ18, YTD+18, ZZ18c]. **homogeneous** [Aba10b, ABB17, AYH17, CLB14, GKLR11, GDM13, GLL14, JYL16, KNIF13, LC12a, LRV13, MEAMHHV18, RSDR11, San11, Wan16a, Zha18e, Zha18f, ZZL15]. **homogenisation** [HD14a]. **Homogenization** [Sza15, Tim14, TRL19, AGDP19, BM18b, CO15, HJD15, Li10b, NXHN14, OC14, RTL19, Sal16, SCBCB+13, SCBCB+17, VZM14]. **homologies** [CEF+13]. **homology** [DW18a, MW10]. **homomorphism** [ÇT12, HY10]. **homotopic** [XSLS11]. **Homotopy** [AIIZ10, GS11c, IIHI10, JGSS10, JNJ+11, KW11, MGB+11, SISH12, ZTH11, AO10a, AÖ10b, BD11c, BGPP11, BE11, BG11, CH11a, Eba14, EG10, FH11, Gup11, HKI12, HM10, IIHuI10, KLTS11, Liu16d, MH11, Naw11, PP10, RMA10, RY10, SAIZ15, XXG10, Yus09, ZYSY17, ZMA10]. **honoring** [BCHS18]. **Hood** [Che14]. **hop** [AZB13, DA12, YDK+12]. **Hopf** [CW15a, CSW11a, GLL14, LW15, LWN15, LPY16, SZ14, TZ13, ZLC11b]. **Hopfield** [DHGF17, KS10b]. **Hopper** [KAS11a]. **Horadam** [YT12]. **horizon** [BMM12a, MT12]. **horizontal** [BTEM19, LZ11b, PC12, SZA+18, ST18, WCH13]. **host** [LZ11b, WZCC10, YZMZ16]. **hosts** [NNR14]. **hot** [Che12c]. **hot-fit** [Che12c]. **Householder** [SB19]. **HPM** [RY11]. **HPM-Padé** [RY11]. **HSL** [TT12]. **HSS** [CCG18, LHY18, LZ16b, LZ17, SS18a, XY17, XWY17, Yan17]. **HT** [SCA14]. **HT-PEM** [SCA14]. **HTLV** [EOM11]. **HTLV-I** [EOM11]. **Huber** [Zha19b]. **Hull** [SS19, CHM+10]. **human** [EOM11, GW12b, LNP+12, MCQ11]. **Humbert** [CH11b]. **humoral** [TTM19]. **hunting** [OMS10]. **Hurst** [WLW+11]. **Hurwitz** [SJPS11]. **Huxley** [KSMN11, MDRRV11]. **HVDC** [ES10]. **Hybrid** [Buo11, CB11a, CGHY11, FSM19, HMSC10, JYYL16, LGC+17, MZC17, MBH11, NEB14, SWL19, She12, TL12, VB10a, WQNF12, Ahm10, AEF15, AD16, AuIK11, CW10a, CAC14, DCG+12, DWI+12, FLdS14, GACMO13, HJD15, HY11, JGK13, JW11, KLK15, KMS15, LLJK10, Liu15b, MFSL19, OP14, PZZ18, PS18, QHW11, SK11a, SH10, uIAH10, SJC14, WL13a, WHD14, WN18, qXjH11, XY14, YHZY11, YW14, ZHJZ11, ZSHL11, ZLY+13]. **hybrid-based** [GACMO13]. **Hybridizable** [FHS18]. **hybridization** [CDL17]. **Hybridized** [JRA+18, GHC+15b, JPS14]. **hydraulic** [CN13, GHT+15]. **hydro** [EEBM10, WXYW11]. **hydro-magnetic** [EEBM10]. **Hydrodynamic** [WXYW11, WCH13, CM19b, LMLB19, QY13, WLA18, WSM+19]. **Hydrodynamics** [ATO19, WRW+19, BMS19, FM11, GR10, ILV+19, SPP18, ZHV19, ZPGW16]. **hydrogen** [YZ15]. **hydrological** [YMSL11].

hydromagnetic [MC11, NPR10]. **hydrostatic** [RRAK19]. **Hyers** [Cie11]. **hygro** [KHF+19]. **hyper** [AS11a, JKK10]. **hyper-MV-algebras** [JKK10]. **hyper-MV-deductive** [JKK10]. **hyperalgebras** [AN11b]. **Hyperbolic** [Col14, AEDL14, Ana11a, Bag17, BHM12, BDR19, BM12b, BKZ17, CW17, DHY19, EE18, FM19, FJP18, GY15, HA16a, JJC11, Kig10, Kim15, KPS17, Kim18, LYS12a, LYS12b, LZ14, LMZ17, MD15, RR18, SW17, SPST18, TT14, ÜM16, Vac18, WC17, WW19b, ZWG11, ZY17d, ZT18b]. **hyperbolic-parabolic** [FJP18]. **hyperbolic/trigonometric** [BM12b]. **hyperbolicity** [BRS11]. **hyperchaos** [Zhe11]. **hyperchaotic** [Che11c, MHM11]. **hypercube** [KP10b]. **hypercubes** [MW11, Yan10a]. **hyperelastic** [WY15]. **hyperelasticity** [YWH14, ZRE16, ZR18c]. **hypergeometric** [ASMEE11a, CH11b, Mos10, OCNG12, RRC11, Swa10]. **hypergroupoids** [HM12, SKST10]. **hypergroups** [CJMS10, LF11a, SYL10, TM10]. **hyperinterpolation** [WWW14]. **hyperlattices** [HX11]. **hypermodules** [YZXW10]. **hypernear** [DZK10]. **hyperparameter** [SW10]. **hyperrings** [Dav10, MZLF10]. **hypersingular** [FMPR15, HT12a, LTT13]. **hyperstructure** [YKD11]. **hypersubstitutions** [PL10b]. **hypervector** [AD11c]. **hypoxia** [SSM+17]. **hysteresis** [CP15a, ZKW15].

i-Math [WNC12]. **IB** [GC19b]. **ICA** [WYLZ10]. **ICNC** [LZL+13, YWL+11b]. **icosahedral** [Mic17]. **Ideal** [ŞGY11, BSS18, Deb12, MME10, QaY18, XZ17, yYqWqZC13]. **ideals** [ADA11, Ali11a, CKN11, DZY11, DSA09, DSA10, Jun10, JLP10b, JLK11, JK11c, MZJ11, SDM10, SK10a, SJN10a, SJN10b, SM11, Yan11a]. **Idempotent** [Lit13]. **Identification** [AZB13, FPB17, HP13, TKHL18, ZL19a, CD12, CZF10, CJP12, CJP15, ES10, FWFL11, Hon12, KP19c, LKK12, LL12d, Liu16d, MMOJ14, MCL+13, MAS11, SR16, SS18b, SKH12, TL12, WLXG18, WRY18, WV15, XCZQ16, YD12, YS19b, ZKWW17]. **identifiers** [WZCC10]. **identifying** [LY11b, SBM10, TMLF19, WQRZ14]. **Identities** [Kim10, GLM+11, LS11d, SBB+18, Wan10b]. **identity** [HPY10, NCL13, ÖŞ11, yYqWqZC13]. **identity-based** [HPY10, NCL13, yYqWqZC13]. **idle** [JL12]. **IEEE** [TXZ+10]. **IgA** [LMR19]. **ignition** [JS12b]. **II** [THD11, CHBTD14, CFB11, DNZ+13, Far11, GCDG17, HAESLB14, Ikh11, LLW10, Li13, MBKK10, RAW+16, Tao18, ZH15a, Zho11, ZQ14a, ZZC13b]. **IIA** [MV10]. **III** [DHMU16, HLTL17, JRA+18, THfL17, WL11b, YL13, Zho12]. **Il'ichev** [AK16]. **Ill** [HT16b, CH11a, CDY11, Jaw13, LP10, Liu14, MZES12, ZT16a]. **Ill-conditioned** [HT16b]. **ill-conditioning** [Jaw13]. **ill-posed** [CH11a, CDY11, LP10, Liu14, MZES12, ZT16a]. **illiquid** [CJPB10, GW15b]. **ILP** [Bog10]. **ILW** [GZW+18]. **Image** [JMNZ19, PGDL18, QXLL11, ALLH11, ALLQ13, Bai19, Bar17, BSL11, BLS17, CLW11, CX16, DM19b, FJWW16, FQLC18, GV18, HLT12, HCL11, JRB15, JZR15, KJK18, KSZ18, LGHR16, LKK12, LLG+11, LXZ13, LK11, xLlFwWL12, LZ17, LW11c, LW10, Liu15b, Liu16e, LZG19, LW12c, LZS12, LYSZ19, MAN+15, dCMdSGTdC+16, MSTB17, PZJ+16, PZAR19, RSS16, SGZW18, SLZ11, TSB16, TZXP11, TMZ+15, WRW13, WPH11, XJYL17, YZWW14, yYsZyYL13, ZT16a, ZN18, ZCY16, ZY17c, ZLW18, ZFY+19, Zha19b, ZWJ+11, jZsQdLmG19]. **imagery** [UKAL10]. **images** [CCSZ14, HT18, LTLL12, LHL14a, LHLH15, UCK16, WHD14, YZWW14, YZM+19, Yua18].

imaging [Amb12, CHM18, CGJ+14, ILP+11, Par17a, Par17b, RMB+14, XY14]. **Immersed** [ZYT+16, ZHL12, ABRL18, BCCZ18, BCH+18, BCD+16, CAC14, DL16, FIVM17, FIMV18, FES+19, GLZ18, HZ10, HR19, HYS+14, HLSN15, KVR11, QCLC17, RHC15, SMF17, WCZ+19, YNS+14, ZHW+11, ZZL15]. **immersed-boundary** [FIVM17, FIMV18]. **immersogeometric** [KEHB18]. **immiscible** [KRBS18, TDM13]. **immobile** [ZLPM13]. **immune** [BCC14, BF11, BD11d, DDLM13, FLWJ11, HDHL11, KLY16, TL12, yXpYxZT11, XDL12, YX16, ZLY+13]. **immunity** [AGU14, TTM19, XMW10]. **Impact** [DD13, PÁAP+15, RB19, CS14b, GK19, Li11b, MJ14, RS13, ZZ17]. **impacted** [RSP18]. **impaired** [WNC12]. **Impedance** [dCMdSGTdC+16, GKS17, PFBL10, RHD18]. **imperfect** [BBL19, CCDL10, DRK11, SG11a, TTMJ12]. **imperfections** [RKD18]. **Imperialist** [AIA13]. **impinging** [YL18a, ZCSG13]. **implant** [DRT+15]. **Implementation** [CDG15, PTH+16, QKR19, ABB17, BDHR18, CPP15, DSK+14, DFW+18, EMR10, FHZ10, HKS19a, Kan15, KO13, KB13, MJWD19, MPGW19, MSZG17, MWY17, OKTR13a, OKTR13b, OAKR16, PC12, PLR15, RPTD10, SCSF19, Váz16, WZM+16, WHC12, ZH15a, ZYZC18, ZKBE16]. **implementational** [TCM15]. **implementations** [KSS13, MZES12, SKG+11]. **implication** [NUH12]. **implicational** [TL10a]. **implications** [Liu11b, hYlLL11]. **implicative** [JK11c]. **Implicit** [fDxZ11, DGM14, HH17, Mur08, SHM13, XZZ16, AD15, ADZ19, AVV18, CB19a, CY19, CLA19, DFM15, DGT18, FHZ13, hGzS15, HMF+19, HZ10, He16, KBAF18, KYO10, MS15, PZZ18, PT11, PRS18, SD15a, SL16c, WH16, WZKY12, WLZ18b, XZ10, YH19]. **Implicit-explicit** [DGM14, XZZ16, PRS18]. **implicit-spectral** [ADZ19]. **implicit-symplectic** [DGT18]. **implies** [And12]. **Importance** [LLZ11, WLT13b, BM13b, LL13, WC11b]. **important** [Kir10a]. **imprecise** [FSM19]. **improve** [ZLG+10]. **Improved** [Aba10a, HWXC16, KKC+10, Mor11a, Pop14, SR15, SLMZ12, SR10a, tWqLzGkP11, WLA18, ACC18, BCCZ18, Chu11c, FNZ13, FL11a, GLR13, qGpWhL11, HYS+14, JW19b, KP10b, LCC12, LLCG16, LZG13, SC19a, SLZ11, ST12, THZ+11, WXF10, WHS17, Wen18a, WY18b, XJLX10, XDL12, YL18a, Yao16, Ye17b, Yua18, Zak18a, ZDLC14, ZÖXL+19, ZY11]. **Improvement** [DH11b, Gav12, XW18, BG11, sCYhX18, JH10, Yus09]. **improvements** [Akm15, BCB11, LZJ12]. **Improving** [AGH+15, DRK10, HP19a, KSPP11]. **impulse** [IMD11, Jia12, LHLH15]. **impulses** [Bai11a, BV11, Che12b, HF10, Hua10a]. **Impulsive** [BB10a, GJ12, GW12c, HO10, Wan11, AK10, AW11, AKRT14, ANN10, Bae10, BKT11, DB11, Guo12, JL11a, LCW10, LHW11, LB12, LH10a, LHF11, LCZ11, LW12a, LS12c, LW12b, ÖZ11, RM17, SI10, TNF11, TB10, WS11a, WAZ11a, WZF12a, WYN12, WZF12b, XZC12, XH11a, YHZY11, YZY10, ZD11]. **impulsively** [YZAX10]. **In-plane** [ATH18]. **in-series** [dPRVRB13]. **in/on** [FG18]. **Incentive** [CQLX11, RZL11, LLX+10]. **incidence** [GCR+18, Sun10, SW19, TTM19, XMW10, XGH17b, XXH18, YX16, YZ18]. **incident** [HCT12, LLL13, LFC16]. **inclined** [RBB12, Ran15]. **include** [CRG16, MT11]. **included** [RKA+18]. **including** [CDG16, RSL+18]. **Inclusion** [ASMEE11a, AX11, KC19, QL10, Zha11a]. **inclusions** [AA11, ANP11, ABCR10, AKLS19, BHM12, DN10, HO10, JL11a, KP19b, LKS10, LH10a, LMZ17, MW10, Oua12, PRR18, SWL19, WD10, ZM18].

inclusions/voids [SWL19]. **Incomplete** [Raf12, RTB14, RT11, YT18a]. **incompressible** [BHK16, BS18a, BMSS18, CCR16, CYL17, DH18, DLQ16, Ers16, FZ17, FST19, GLP18, GHT+15, GD10b, GZN19, HHS+17, HS18, HLB14, KLRW12, LVF+16, LR15, LLML15, LR17b, LM18a, LH19, LL16c, Liu16c, Liu18a, Ma18a, MGN+16, NN13, PLKC16, QaY18, QM19, RA19, SL18a, TPHD18, TH19, Wan14, Wu11a, WSCW16, XSYL19, YY11a, Yan18c, YH19, YS19a, Ye19, YT13, YZS18, YT18b, YNS+14, ZRE16, ZZX+14a, ZZX+14b, ZT15, ZSW15, ZYZ+16, ZYZ+17, ZZ18b, ZDB19]. **Incorporating** [CCY10, KNZ19, SZA+18]. **incorporation** [SGK18]. **increase** [Mor13]. **increasing** [ARK13, Bor11, ÇT12, HY10]. **Incremental** [FSZS18, Res16, DLWW12]. **incubation** [Aki17, NNR14]. **indefinite** [HH11, LT15b, MT11, SS18a]. **independent** [AGD10, CLW11, Dol11, Hon12, KX12, Liu10, PZ11b, XZL10]. **index** [DT11, KLTS11, Kir10a, LH10b, LHH10, MBKK10, Osm18]. **indexing** [IC12]. **indicated** [AM15]. **indicator** [BPC17, CJN19]. **indicators** [LMR19]. **indices** [DT11, DYX11, KMT10]. **Indirect** [DGGBTRJF12, JPCY13, MCP13, MR19, QMW18, ZWZ16]. **indirectly** [ABLS15]. **individual** [GCG12]. **induced** [AGT19, ABV11, Amo18, BG10b, MLY18, WCH13, ZZLB18, ZTSC16, ZY13]. **inductance** [KSMT11]. **induction** [DGGBTRJF12, LLSW10, LC12b, SST19]. **industrial** [Hot13, LZL+18]. **industry** [Cha13]. **inequalities** [AD10a, AD11a, ADK10, Ana10, Ana11b, BX10, BD11c, BXKZ11, BX14, BS15c, CGY10a, CKW13, CW15b, CAP10, CT10a, mCfX10, DV10, DSZ18, DWS19, Dra11b, FM12a, GW12a, Gav12, GALO18, HmZ11, HKT11, HR15, HX10, HLZ15, HN10, JJC11, JPS10, Li10d, Li11a, LG12, Liu10, LSZ11, LZ12b, MPZ11, Mai16, MP19d, NDT11, NZ14, NM11c, NUNAS11, NN12, eOS18, ÖAK11, QH11, Rah11b, SSO10, Sar10, SS11b, Set12, SMH18, SJPS11, TZZ11, TÇA12, THD11, THH12, TD10b, Von11, Wan10a, qXjH11, XD10, XJLX10, XHH+19, Yan11b, ZCW15, ZHJ11, Zhu10]. **inequality** [AE12b, BLS18, BHM19, CS10a, CB11a, CB11b, CB11c, CY14a, CLF10, CW14, Ciz12, CTS19, Dia17, JH10, Jic10, Krn12, KLY16, LGG12, LB12, LZJ12, MJ10, MG11, QZM17b, QM19, RGdSRLAJ10, She11, She12, SLW11, WLS10, XZL10, Yan10b, YLK10, ZLZ11, ZCY16, ZYY10, YYYH19]. **inertia** [HLB14, PSD+13]. **inertial** [BKL14]. **Inexact** [TAPA+17, BX14, DBH+14, HM17d, Śmi11, THD19, qXjH11]. **inextensible** [ZRE16]. **inf** [Kim14]. **inf-sup** [Kim14]. **infection** [Aki17, EOM11, MGY11, TTM19, WZXS17, WYL19, Xu11b, XGH17a, XGH17b, ZLC11b]. **infectious** [ASB12, HY16, LJYS18]. **inference** [LWC13, WSL10]. **Inferential** [WWH12]. **infinite** [BR12a, BB10b, CANK11, CLC16, De 10, DQ10, FAIV10, LSZ16, LZ11e, LLL12, MT12, Mor13, Ols10, Pir11, PK19, She11, She12, TMO13, YY10a]. **Infinitely** [Bao16, CTA12, CF16b, CT18, DL14, WW15, ZD11, ZTZ16b, FLZ14a, KK10a, KK11b]. **infinitesimal** [VĆC10, VĆV11]. **infinity** [JFC14, WZ11b]. **inflammatory** [RdSRL19]. **inflationary** [TTMJ12]. **inflow** [HMF+19, HKP17]. **inflow-implicit** [HMF+19]. **Influence** [AM18, RMK19, SJS+11, WvDRG19, ZGD13, AM13b, GC19a, RKD18, WL11b, YLF19, YLL+14, ZG18b]. **influenza** [KKL16]. **Information** [Gal10a, Gal11c, Gal11d, LEP11a, SPCS13, FQLC18, Gal11b, HpD11, JPCY13, KAK+12, OO12, Ögü13, SBA10, XDL12, Zha11b, ZWJ+11]. **infrared** [HLT12]. **inherent** [FT15, SCvdV+19]. **inhomogeneity** [LLL16]. **Inhomogeneous** [GG18, ZR18a, ABK10, CH17, GLL14,

HL11c, LHTL19, NB11, YTC+18, ZY17d].
initial
[Aba10b, AM14a, AHOP18, Arq18, BKL14, CL19, CM18a, CP16b, CCD10, CLCF14, CN11, DN10, DBEE11, Fer12, GCE18, Goo10, GR13b, GF19, HL18a, HGSL18, JZL18, KBAF18, KFYW11, KB15, KP19c, KAS11b, Lan12, LZ14, LZ19a, LH10a, Luc10, OC10, RMS10, RNB11, RS15, VAB12, WC10b, WG11, WQRZ14, WHLC11, Wu16, XW19a, YC11, YK17, Zha18a, ZY15c].
initial-boundary [GCE18, KFYW11].
initial-boundary-value [GR13b, Luc10].
initialization [MGW11, Pan11]. **initiation** [NJV13]. **initiatives** [San11]. **injected** [DVM12]. **injection**
[CCY18, DSWB18, SRRP18, ZOZZ12].
injective [Gon13].
injective-overdetermined [Gon13].
injector [CI18]. **inlet** [ZCSG13]. **Inner** [Pop13, FWFL11]. **Innovation** [SC13].
innovative [KLH+12]. **input** [GAVOF11, LLZ11, LL13, LCYC12, LXYT11, ODAZ15].
inputs [CZY13, LLH14, Tol12]. **insect** [ADL12, DD13]. **insight** [Bay19].
inspection [RMS12, TTMJ12]. **inspired** [KBGC12, OMS10]. **instabilities** [GD10a, Kia19]. **Instability**
[FHA16, SPP18, GTZ19, HS12, KPR13, Kup10, LK13, Lin14, NGG12, Pal12, SJL+19].
installment [Ciu11]. **instance** [xLlFwWL12]. **insulated** [RWZ13].
insulation [RJGS+19]. **Integer**
[Koj10, dS15, AR17, CKR10, EKS10, HTGSH13, YXYH10, xYsHjL11].
integer-order [EKS10]. **Integrability** [GTZ19, LV11]. **integrable**
[Fur13, MZ10, MCF18, Yu11b, Zed10].
Integrablization [AHJM18]. **Integral**
[LHF11, MPZ11, RS12a, RS14b, ZSS10, ABJ11, AD10b, AKRT14, AS10b, AX11, AS11c, BMRA10, BM11a, BR12a, BN16, BGPP11, BE12, BT14, BBD10, CDY11, CR19, CHS18, CDS15, CMT12, Dar11, DV10, EMQ18, EKE18, FMS19, FM12a, Fra11, FMPR15, Gen11a, Gep16, GHMN16, GN11, HY10, HKI12, HC14, IB10, JL11b, Kar17, KKBR19, KMRN12, KQ11, Las10, LZL16, Li10d, LL11, Li11a, LTT13, LH16, LSZ16, LS12c, Luk11, LT11, MB11, MN11a, MTM11, MKR12, MT11, MBHV10, MSG11, Mor10b, MCN10, Ols10, PB11, RMS10, Rah11b, RA12, SNH10, SNMA12, SYG11, Saj12, Sal11, SPL19, SBB+18, UBF11, Waz11b, WLL12, YK18, Yan12b, Yan18b, ZL19a, ZZX16, ZLL18].
integral-preserving [AX11]. **integrals**
[BCJ19, CS10a, CR13, CWQJ12, HZL17, HD14b, KRGS+10, LZH16, LS16, LR17a, PCS13, PAT12, SD15a, Set12, SK11c, WHS12]. **Integrated**
[BP18, BO10, Chu12b, HH18b, HY11, Kia16, QZF19, TMDTTC16, WFL11b, YXYH10].
Integrating [LZL+18, HK10, LYM12, PTP14, WC11b, WLYX13]. **Integration**
[KX12, SVY16, AuIK11, BMA11, BPM14, CP10, CN11, DGLS19, Hai10, HD19, KMS10, KLH+12, KB13, RC18, SBvdV13, SL18a, uIAH10, TS14, WLA18, WZC+19b].
integrator
[AHP+14, ALMLM14, HA18b, IW18, JHW15, MS18, Tam16, UMLF13, YT18a].
integrators [CL16b, Gar13]. **integrity** [JXZ+10]. **integro** [Abb11, AdAS11, AKRT14, BMTV12, BCC14, BKY10, DB11, FID14, GY15, HLZD11, HLY12b, KV18, LH10a, LHF11, LXP11, LS12b, MBH11, Naw11, QX19, RÖ10, SD10b, SS14a, TS11a, TAS11, Tom11, WC10b, WG11, WAW15, YSS11a, YSS11b, ZA10, ZTH11, dSAC11].
integro-differential [Abb11, AdAS11, AKRT14, BMTV12, BCC14, BKY10, DB11, FID14, GY15, HLZD11, HLY12b, LH10a, LHF11, LXP11, LS12b, MBH11, Naw11, QX19, RÖ10, SS14a, TS11a, TAS11, Tom11, WC10b, WG11, WAW15, YSS11a, YSS11b, ZA10, ZTH11, dSAC11].
integro-differential-difference [SD10b].

integrodifferential [BK11a, BK12a, WZWX11, WW14b]. **Intel** [CCHG17]. **intelligence** [DCG+12, HSZ15]. **Intelligent** [XCM12, Che11e, HDHL11, YC12]. **intense** [Bis14]. **intensity** [CKL18, Dos18, FQLC18, GC19b, KL16b, VC12, WCH18]. **intensive** [AGK15]. **inter** [PKTH13, SCKH10, YWK+10]. **inter-domain** [SCKH10, YWK+10]. **inter-group** [PKTH13]. **Interacting** [THfL17, BKMT16, MV12, MW13, PP10, PLKCC13, VDV13]. **Interaction** [FW18, WWD18, BHK16, BM18a, GZD18, HB19, HZ10, HTM18, HLY16, HYC18, IMS19, KEHB18, KSD+19, LX16, LWW19b, LWW19a, MYZ18, MZM19, MGN+16, MMT18, MUB+16, RMY19, RHC15, TTG16, VHPVNXW18, WLA18, XYXZ16, ZYT+16, ZBFC19]. **Interactions** [ML19a, GSY10, HTY+19, LNKU12, LGH+11, Yoo17]. **interactive** [AM14b, DMPV10, HWH+15, ZLHF19]. **interconnected** [LLC13, THY+10]. **interconnecting** [Hof18]. **interdependent** [BKK11]. **interest** [CXZ15a, HZ18, LW11d]. **Interface** [ZHL12, ABRL18, AYH17, BCH+18, BMS19, BGR14, BBL19, BPZ19, CPT15, CAC14, Du12, FGB19, GLZ18, HR19, Hes14, HSJ15, HQ19, JM15, JCF19, JK12, KEHB18, MA16, PBK19, QCLC17, ST15, ySGL+10, WC15, WHS17, WCSW18, WHS18, WLZ18b, XW14, Yan15]. **interface-aware** [BMS19]. **interface-level** [CAC14]. **interfaces** [HT16a, LSZ16, NZ16, RTRR18, WD13]. **interference** [MLY18]. **interferon** [LNP+12]. **interferon-gamma** [LNP+12]. **interharmonic** [LL12d]. **Interior** [HKP17, ZG14, CLL19, GNP14, Ram11, SDM10, SCGW18, ZCW15, ZD15]. **interlacing** [MCP13]. **intermediate** [ESBR10, GDZ11, ZRC11, sHC11]. **internal** [BP18, JPCY13, RSL+18, Rus16]. **internally** [GK18]. **international** [Che11b, WD12, BCHS18]. **Internet** [WZCC10, XCM12, gZnZpZbD12]. **interplay** [CFB11, KP19b]. **interpolant** [GW15a, ST16]. **interpolants** [BGIN13, BL14, CDP16]. **interpolated** [OKTR13a]. **Interpolating** [BD16, AD15, LS10a, Wu11b]. **interpolation** [BCB11, CD14, Cia16, DA18b, GWZ11, HH10b, LW19a, LXZ13, LZH16, LL19b, PU10, QKR19, RFK16, Seg19, SW16b, Tha19a, VP11, Von19, WXF10, Wei17, Zha18d]. **interpolations** [Bic11]. **interpretation** [Del13, XA13]. **interruption** [CTD10]. **intersection** [BE18]. **Intersections** [CYM13]. **Interspecies** [CP16a]. **Interval** [AAZ10, AD11b, JTC+10a, Jia11, LS12c, dCMdSGTdC+16, SK11c, WYG12, Wan13a, BCB11, BKM11, Boy10, FLLF10, HDT11, Ikh11, JY11, LZYW13, LZ11e, Lit13, LZ12c, WL13a, YLY+09, YW11a]. **Interval-valued** [AD11b, JTC+10a, Jia11, WYG12, Wan13a, FLLF10, JY11, WL13a, YLY+09]. **intervals** [Bai12, BEAA11, Li12a, LLL12]. **intra** [MYZ12, PKTH13, SRS11]. **intra-clustering** [SRS11]. **intra-group** [PKTH13]. **intracellular** [Xu11b, XBHN16]. **intrinsic** [COR18, GV11b, GL16]. **Introducing** [HMP+15, KNZ19]. **Introduction** [FGHZ13, FGHZ14]. **intruders** [LX12b]. **intrusion** [SLXC11, TXZ+10]. **Intuitionistic** [AB11, SR12, ADA11, Deb12, JTC+10a, Jia11, qJhY12, Li10a, MME10, PCK13, WYG12, Wan13a, WL13a, YLJ12, hYxLL10, ZW11c]. **invariance** [ADGL14, Mah14]. **Invariant** [Li12a, MN17, PDHL12, RS18a, Ray18, RÖ10, YÖ10, BG13, GH13a, GK13, Guo12, JC12, KKVS19, KT18a, PP12]. **invariants** [KYAA10, KK10c]. **invasion** [Amo15, GL17a, HLZM16, HBS+10, SNSK19, ZZF18]. **invasive** [BFF+11, SD15b]. **Inventory** [BMM12a, CB10, Chu12b, TTMJ12,

WW10c]. **Inver** [tWqLzGkP11]. **Inver-over** [tWqLzGkP11]. **Inverse** [BCHS18, BM13b, DNS15, FRSC16, GHC15a, MMOJ14, XC16, AZ15, APRM11, AKMS18, AS15a, BT10, BF16, CZF10, Col18, CHS19, CGJ+14, Ehr18, FIM18, GR19b, GSR14, GN19, HA18a, Haj18c, HSZ15, JKB11, JW18a, JL15a, JWX+13, KK19a, LP10, LZ11c, LLY18b, Lin10b, Liu16a, Liu17, LW18a, LW18b, LRBA15, LGVS19, MA17, MM13, MPGW19, ORR16, Par17a, SYZ19, SC13, SBM10, SS16c, Smo17, SSP13, TCM18, WCB13, WmN13, WCW13, WW14b, XL15, YY14, YF10, YS19b, dBD17]. **Inverse-free** [FRSC16, WmN13]. **Inverse-Quartic** [BM13b]. **inverses** [Ji14, JL15b, JBBL17, LZ19b, Pet14, WSH12]. **Inversion** [Amb12, DGLS19, Hal13, JSEM13, AM13c, GSZ11, Res16, YLDL11, Zha19a]. **inversion-free** [Zha19a]. **inversions** [CLJ11]. **inverted** [ASMM11, BBBM16, Pan17]. **inverting** [EMR10]. **investigate** [MMS+18]. **Investigating** [DLT12]. **Investigation** [HL18b, ST18, TR14, WTSS10, CB19b, CLL11, GC19b, KDG11, LLL13, LFC16, LGH+11, LCWZ18, MR17, PN16, PvdM13, SHM13, SZ12a]. **Investigations** [WFZ12, MM18b]. **investment** [LZF18]. **invex** [Ant10, GJ10, NP12]. **invexity** [Ant14, PN10, ZLLF12]. **inviscid** [HG16, Ye17b]. **involutory** [XC17]. **involving** [AH10b, AHO16, AS10a, AS11c, ASMEE11b, BT10, BDGS13, CHZ19, CS10b, DSL18, EAA10, FKeT12, Fur13, Gen11a, GALO18, GJ10, HMY15, LS17a, LJX12, LYZ17, LS11d, MV11, NUH12, OCNG12, PC11b, RSS10, She18b, SRM11b, TB10, VSI12, XZL10, Yan11d, Zha11a, ZZ16b, ZLG18, ZT16b, ZY15c, ZG18a, Zhu10, dSSV17]. **Ion** [ABK10, GSY10, CD19, EK16, JLD19, Sea14, Sea16, YLH12]. **ion-acoustic** [Sea14, Sea16]. **ionic** [Tim14, TRL19]. **Ionkin** [BCK11]. **ions** [ABK10]. **iontophoresis** [FdOP17]. **IOT** [gZnZpZbD12, ST12]. **IP** [CHY12]. **iPad** [GMAM12]. **IPDG** [BS14a]. **IPDG/TDG** [BS14a]. **irrational** [LX10a]. **irreducible** [CKK+10]. **irregular** [ACC18, FID14, Fis18a, GHL18, LFAL19, QLT+18, WY18a, WH11b]. **irreversible** [CYM13]. **irrotational** [FLZ14a]. **Isentropic** [PBM19]. **Ishikawa** [KK11b, Buo11, KK10a, XLK11]. **islanding** [LCW12]. **isoflux** [HHM12]. **Isogeometric** [HT16a, KVJB15, KP19a, MRS15, Moo18, PXXZ16, BMAR18, GR15, Hof18, HWH+15, KLCD16, KV17a, KV17b, KT15, KKJ15, LZL+18, LMMT15, NXHN14, ST19, Tan18, Váz16, WZH18, WKP+14]. **isolated** [BG10c]. **isolation** [SG11a]. **isomorphism** [MZLF10]. **isoparametric** [GLLC19, Rua19]. **isosceles** [AG11]. **isothermal** [GFZ16, MLL16, PFDG17, SS16a]. **Isotropic** [GKS17, BM13a, FR15, FWW14, KNIF13, KQ11, LX15b, XBHN16, ZR18c, ZY17d]. **isotropy** [ADGG13]. **ISPH** [RTRR18, TY13]. **Issue** [LK15, LZL+13, SPCS13, VBW10a, YWL+11b, ZFLM19, CBM10, PHWM10, VBW10b]. **issues** [AJJAD+10, HSS+12, PTH+16]. **Itô** [Ade16, KP13, MKR12, Pal12, VB10b]. **Itô-type** [KP13]. **item** [DRK10]. **items** [Chu11c, TTMJ12]. **itemsets** [FKC12]. **iterated** [HKK+16, Lam13]. **Iteration** [AMA14, YMDZ10, Aba10b, AP10, AM14a, BMM12b, BPG10, BKY10, CM16a, CMR17, CCG18, CW10b, CWDL17, CS11b, DNS15, Els10, FZ14, FWZ16, FZ19, Far11, Gen10, Gen11b, GH15, HSWZ11, Ikh11, KA10a, KFYW11, Kim11, KT11b, LM17, LHY18, LM18b, LZ17, LHL12b, Lu11, Mia18, NLA19, Naw11, RWTW19, SEY12, SS10, SCC12b, TTZW18, WLD13, WLM13,

WMW13, cW11, XY17, XWY17, XWY18, YXS10, YC11, YX11b, Yan17, ZS11a, ZM16a, ZYW15, ZY10b]. **iterations** [BMJ19, Mah10b, MM18c, Nil11, RH15, ZHY14]. **Iterative** [BKMT17, BOT14, CGY10b, DL10, DLD10, DSM18, HMF+19, JRB15, Lan12, NUNAS11, RSM17, RH15, SR16, Wan16a, WFDW10b, XHM14, AJAR18, ABCR10, BJQS18, BGGCGRSP16, BR18, BPG10, Buo11, CsH10, CGY10a, CGY11, CC11, CM16b, CX16, CM17, DGB10b, DN18a, DM19a, FIVM17, FIMV18, FL14, GHC+15b, HH16, HYS+14, HWXC16, HWXC18a, HM18b, KS10a, KK10a, KK11b, KM14, KA10b, KYR11a, KYR11b, KA11, KV18, LP10, Lee11a, LP12, LY15, LFZ19a, LBW11, Liu15a, MBHV10, MO14, NHIN16, Ned12, NKA18, OTiSY16, PÁAP+15, PPD10, Pet14, RS15, She12, SS17, SZ12b, TCM18, TA11, WYD10, WW11c, WKS13, XM15, XLK11, YD12, ZT16a, ZDL11, ZY17b, ZZL19, Zha19a, ZL16, ZGL14]. **iteratively** [WWB13]. **iterators** [Mor13]. **Ito** [LWW19a, MYZ18, Zed10]. **IV** [ZFLM18, Bae10, CP16a]. **IVFSs** [WW11b]. **IVIFSs** [WW11b]. **Ivo** [DFG+18]. **IVPs** [AR10a, Eba11].

J [McN12, HSMG12, SSR11]. **Jacobi** [CC11, YYYH19, CLMM18, DHY19, ES18, Elb11, LPML19, MJB18, PCS13, SD12a, TÇA11, Tre18, VT11, ZQ14a]. **Jacobi-like** [CLMM18]. **Jacobi-type** [PCS13]. **Jacobian** [CW18, ZKBE16]. **Janous** [SLW11]. **January** [Ano18-54, Ano18-67, Ano19-50, Ano19-59]. **Jarratt** [ATUC15]. **Jarratt-like** [ATUC15]. **Jaulent** [YGS+16]. **Jeffery** [EG10, MGB+11]. **Jeffrey** [Eba14]. **Jeffreys** [BB18, GF19]. **Jenkins** [WYD10]. **Jensen** [AD11a, AD10a, GKK11, KC11, MRR11]. **jet** [GUK13, YL18a]. **jets** [CY14b, ZCSG13]. **Jimbo** [YTS+17, BM18a, HTM18, LDL11, LYC+19, LSX13, Man18, YM17, ZBFC19]. **Job** [YWW+12, AK12, DM12a]. **job-shop** [AK12, DM12a]. **jobs** [MMR10, MMR11, WSS10]. **Joint** [PZAR19, BJLZ12, CLMM18, DH10c, KGJ11, YLC12]. **Jordan** [BFSO12, Zhu10]. **Joseph** [HQ19]. **July** [Ano18-53, Ano18-61, Ano19-49]. **jump** [AYH17, BM19, DNS16, HMV18, Lee14, LZ12c, RR14, TC16, VB10b, WZ17a, YKA18, ZZL15]. **jump-diffusion** [DNS16, HMV18, TC16, WZ17a, YKA18]. **jump-diffusions** [Lee14]. **jumping** [BV11, ST18]. **jumps** [BS10b, Che11b, CNP14]. **June** [Ano18-69, Ano18-70, Ano19-58]. **justification** [CRA19]. **juvenile** [ADY12]. **juvenile-adult** [ADY12].

Kac [DZ18]. **Kadomtsev** [LXY19, WF17, WF18, Ade17, CTSX16, CZ15, Gep16, HTY+19, IMS19, JPB11, KTK17, LZL19, LWL11, LMZK16, MCF18, QTW+18, SIL19, SMYK19, TTX+16, WTYZ17, WW18a, WL16, WTLS18, YMHL18, YTL+18]. **Kansa** [CYS10, CHL18, FJB19, YY14]. **Kansa-type** [YY14]. **Kantorovich** [SNH10, WFL11a]. **Kantorovich-quadrature** [SNH10]. **Karman** [Par18, KPK18a, Par15]. **Karst** [LWL14, LS17b]. **Kashiwara** [YTS+17]. **Kassem** [EM19]. **Kaup** [DYH11, ZA15]. **Kautz** [SD12b]. **Kawarada** [Pad18]. **KD** [KK17]. **KdV** [Her19, YYC11, GABC16, zLYLQ19, MDW11, RG18, SR15, Sea11, Sea15, Üns18]. **KdV-type** [Üns18]. **KdV-Zakharov** [Her19]. **Keller** [FL13b, FHA16]. **keloid** [BF11]. **keloid-immune** [BF11]. **keloids** [FBL11]. **Kelvin** [BN14a, BP19, SJL+19]. **Kerberos** [SCKH10]. **Kernel** [PB13, Arq18, CC15, DA18c, DGLU18, DH16, KTDT17, LLSW10, MKS13, SG16b, TS11b, WSCL11, WLHZ14]. **kernel-based** [DGLU18, DH16, KTDT17]. **Kernels** [YG11, DM15, MFSL19, QX19, WBN18,

Wu18b]. **Kernighan** [tWqLzGkP11]. **key** [CM13a, CSCM13, GLM+11, HPC12, Lee11b, LD11a, NCL13, PKTH13, RWZ13, VBK13, WH10, WMZW11]. **key-insulated** [RWZ13]. **keys** [LW10, RWZ13]. **KGS** [DM16]. **Khokhlov** [KKK14]. **kind** [BM11a, BS15c, CWQJ12, CHS18, DWS19, MBHV10, MSG11, OCNG12, SNMA12, WXF10, Waz11b, XX17, Yüz12b, pZ10]. **kinds** [Çak11a, MZJ11, WFZ12]. **kinetic** [Bab14, BF11, BMS13, BKK12, Bre14, EAEH18, HL18b, KNZ19, KGM11, LF11b, LBZL11, LZPZ19, LZZ19, LZB15, PZZ18, PLMS14, WSCW16, ZYZ+16, ZYZC18, ZQ14b]. **kinetics** [BG13, CLM12, CYM13, Lóp19, SL18b]. **King** [CM11b, DK12]. **King-type** [DK12]. **kink** [LD11b, WF18, bZM17, ZBFC19, qZM17a]. **Kirchhoff** [CTG17, CC19, CO19, CHZ19, DLS18a, DN18a, DSL18, HY18, HL18a, HGSL18, HCF16, KLL19, KJ11, LSCG16, LL16a, Li18b, LRZ18, LYZ17, LLP19, Lü14, MM13, MPLR18, QHT16, She18a, SC19b, TNV19, WW15, Wu18a, XZR16, XC18, ZJ17, ZT16b, ZWW13]. **Kirchhoff-type** [CC19, CO19, DSL18, HCF16, LL16a, Lü14, MPLR18, SC19b, WW15, ZWW13]. **Kit** [GMAM12]. **KKL** [RSL+18]. **KKM** [HS11b]. **Klein** [CM11a, CT18, DM16, DL14, GML17a, HHGA19, MS18, WV16, Wan19a, YMDZ10]. **KN** [Yu11a]. **knapsack** [Lee11b, RFP11, RF12, WH10, You11]. **KNC** [CCHG17]. **KNL** [CCHG17]. **knot** [JRSZ12, LD13b]. **knots** [SLKK19]. **Knowledge** [YWL+11b, HMP+15, LML11, LTX+13, NB17]. **knowledge-based** [LTX+13]. **knowledge-reduction** [LML11]. **known** [Kup11, fLcJ10, LZ12c]. **Koch** [PU10]. **Kolmogorov** [He16, HLvS18, KO11a, KO11b, MP19a, TZG10, XLZW11]. **Konopelchenko** [Abd18b, KKK16, LCW19, Ray17, WZMY18]. **Kontorovich** [Ehr18]. **Korteweg** [Asl10, Dem10b, ES18, KT18a, LGZ19, YYC11]. **KP** [AGT19, CZ17, HLLM19, HYC18, LWW19b, MZM18, Sah17, TZ15, YS16b, ZCZ17, ZCT18, qZM17a]. **KP-like** [YS16b]. **KPI** [CZ18]. **Krasner** [Dav10]. **Krätzel** [KRGS+10]. **Kriging** [DA16, LLW15]. **Krylov** [BJRF19, BS11b, BJS15, BOT14, CL16b, DGR18, Liu15a, SL18b, WmN13]. **Kuhn** [GN12]. **Kukles** [PL10a]. **Kummer** [MB10a]. **Kutta** [KMS10, KAS11b, MBJ16, FHZ13, MVKK14, SLL17, TFS11, Tsi11, ZGD14]. **Kuznetsov** [Che19a, DGA18, DS18a, Her19, KK19c, Kuo18, zLZ19, Ray18, GABC16, PMA17, SR15, Sea14, Sea16, ZTZJ14]. **Kwon** [KSJ12].

L [KKT13]. **L-stable** [KKT13]. **L1** [ZJZ18]. **labels** [BSN13]. **Lacunary** [Deb12, KS11]. **laden** [AJS14, GLW13]. **lag** [AS11b, BCFQ19, FDXW11, KM13, LZCL18]. **Lagrange** [Agr10, BS16b, BGR14, EO15, KEHB18, Kim15, KPS17, LP10, PBM19, PBK19, WLW17, YÇG12, YDL11]. **Lagrangian** [AP19a, BMS19, BG15, BGM19b, CM19b, CMT12, ILV+19, KSD+19, LMLB19, LMRS10, Liu16e, PW10, RÖ10, SWS19, TC16, WSM+19]. **Lagrangians** [DBH+14]. **Laguerre** [MB10a, MD10, WJ11]. **lakes** [LZ19c]. **Lamé** [BG19, BTB18, ZS18]. **laminae** [Sza15]. **Laminar** [GK18, HLB14, GD10b, LWC13]. **laminated** [MG15, SSH15, ZTW+19]. **laminates** [DD19b]. **lamps** [CCKY12]. **Lanczos** [Haj18a, YXYH10]. **Landau** [LT13, AET19, BM19, FSZ18, Pu12, RSB14, WH18, XaZH19, ZY15a, ZZL19, ZY17d]. **Landweber** [HXX19]. **Lane** [AR10a, VA10]. **language** [GA10]. **Laplace** [BG10c, Chu18, DM12b, DBS12, Dos18, Hol11, LW18a, MZC17, MZM19, NLA19, OZF19, ORR16, Par11b, PL17, Rah11a,

WCH18, Zbo19, ZY15c]. **Laplacian** [DZ21, ABB17, AEO15, BLS18, CTP10, CDM12, CTA12, CHZ19, CP15c, CP16c, CCP19, DG13a, DLS18b, GALO18, GKM11, GJX18, HY18, HGW18, HT19, Ili10, KSZ18, KLL19, LCW10, LD18, LSM10, LL10b, LJX12, NT17, PC11b, SD18, SYY13, Tar17, Tod18, Tru19, VLJH18, WZH10, WZF16, WW19c, Wu16, YY10b, Yan11c, YZ19, ZYS10, Zha18a, ZZ15b, ZG18a]. **Laplacian-based** [GJX18]. **Large** [FG18, GW12b, HBK+19, JKN10, Sag10, ZXW13, ADD+15, BJS15, CCY10, CZY11, CChL14, DGOZ13, FGHZ14, FLH10, FL11a, GH15, GOT19, HIS19, HAESLB14, JW10, KLK15, KM14, KLTS11, LC12a, LHY11, LCQF19, LLH10, LFZ19b, MY10, OPDC12, SKFG11, SM14, Sun11, THY+10, WLYX13, XY11, YLS12, YWW+12, Zha14, Zha15b, ZD15]. **Large-eddy** [HBK+19, Sag10]. **large-scale** [BJS15, CCY10, CChL14, DGOZ13, FLH10, LC12a, LHY11, LCQF19, LFZ19b, SM14, THY+10, YWW+12, Zha15b]. **Laser** [BGM19a, WRW+19, BG10b, KÖC+18, QXG13, SSIP19, XWH16, ZTY+19, ZTSC16, FSM19]. **laser-induced** [ZTSC16]. **Lasota** [HGW11, WYN12]. **latency** [DYQM14]. **lateness** [AA10b]. **Latent** [xLlFwWL12]. **Lateral** [WCQ+19]. **Lattice** [ASFM15, AJS14, BV10, BFS15, CYP16, ÇA10a, CZY11, CCSZ14, DSK+14, FVVS16, GLW13, GZR+13, GUK13, GR10, GD10b, Hei10b, HLSN16, JMST11, LWR16, LCS15, MJ14, OF16, PD11, SK14a, Sag10, SG11b, SKFG11, SZP+11, Tro13, WWLL13, YLY12, YB13, Yan13, YKKS10, ZCSG13, ZY15a, ZY15b, AM10b, AML+14, ABR+14, ADGG13, ADGL14, AYY12, BRFH16, BR13a, Bre14, CWH13, CCY18, CZ11b, CLL11, DL16, Del13, DZW+15, DLT10, DL11, Dub13, EAAS18, EAMA19, FIVM17, FIMV18, FES+19, GWR+18, GSPK15, GGGR17, GSZ11, HP19a, HZ10, HBS+10, HBK+19, HG16, HS18, HMSC10, HBE14, HBE15, HTL10, HSC17, HYS+14, HLSN15, HWyL11, Ima17, JK10, JLD19, JQG14, KNZ19, KTH13, KVR11, Kup11, KGM11, LD13a, LDS10, LZZC12, LSC17, LLML10, LYN11, LG13, LGL+14, LBL14, LW11d, MMHGM17, MPGW19, OKTR11]. **lattice** [OKTR13b, OVV+16, OAY11, OHK+19, PLR15, PTH+16, PGW19, QWGJ15, RSL+18, Rhe10, RJGS+19, SSHH+18, ST15, SPT17, SKG+11, ST14, ST18, Ste16, SKTC15, SKTC19, TR14, TTT10, THC+18, TDM13, UMLF13, WXYW11, WH11a, WAG+14, WSC16, WLA18, WMP+19, Wan19a, WL13b, WTSS10, WHQ+18, WZHW13, WGY+18, WCZ+19, XZ11, YY11a, Yan10c, YSW16, YCW+14, YNS+14, YCS19, ZZX+14a, ZZX+14b, ZSW15, ZYZ+16, ZYZ+17, ZYZC18, ZHW+18, Zha13, ZLC+11a, ZM16b, ZHW+11, ZZC13a, ZZC13b, ZPGW16, DJD18, GGGR17, HLNZ19, LCS18, QKR19, RKA+18]. **lattice-BGK** [PGW19]. **Lattice-Boltzmann** [BV10, Hei10b, YKKS10, CLL11, WMP+19]. **Lattice-Boltzmann-based** [Sag10]. **lattice-gas** [HBS+10]. **Lattice-valued** [JMST11]. **lattices** [BM18b, BFS15, KD12, LZH12, LXF11, Med12, PB12, yYqWqZC13]. **LAVIR** [Bar17]. **law** [AM14a, BHZJ19, BDS17, BPZ19, DKM17, Gal11c, KAA19, MA10b, SMBY10, Sun11, TS11b, VPR11, WLXZ18, Zha19c, Zho13]. **laws** [Abd18b, AP19a, BKZ17, CG13, Col14, EK16, FM19, Kim15, KPS17, Kim18, LHD18, LXY19, LDG19, Ma19, MW13, MK17, RR18, Ray17, RS18a, Ray18, YÖ10, Zha17b, ZKBE16]. **Lax** [BKZ17, LM19a, MR17]. **Layer** [SNEP19, AGT19, Bog11, Boy16, Hak14, HTL10, HW19b, KS12a, KYY12, LYL12, zLYLQ19, MM18b, RBB12, Ran15, REHA11, SYO12, Tur10, WO18, Ye19, Zha19c]. **layer-based** [LYL12]. **layered** [CJ18b, QWL19, SRV10, WL17b]. **layers**

[AGH+15, FP19, GZR+13, HN18, KAG11, Kia16, LTT13, LLG10, LZ18c, Ma10a, MLG17, SCA14]. **layout** [HGJP19]. **LBE** [Kup10, Kup14]. **LBM** [GOT19, GC19b, JK11a, JGK13, KORR10, YLF19]. **LCP** [YGR11]. **LDG** [Bac14a]. **lead** [BMM12a]. **lead-time** [BMM12a]. **leader** [yN11]. **leaders** [yN11]. **leading** [GS15a]. **leakage** [BKR11, Cha13]. **leaks** [MEAMHHV18]. **leapfrog** [HCLL18]. **learned** [LYSZ19]. **Learning** [LS10d, PB13, Ahn12, FHH13, HCHH12, KSPP11, Lan12, Lee11c, LLD10, xLlFwWL12, LZC13, LLW15, MKA+10, SSM12, SLYY13, TNT12, Wan08, WSS10, WW10a, WWW11a, WWW11b, WWH12, WLYX13, YH11a, YX11c]. **leasing** [ZZXY12]. **Least** [BDGG14, GCDG17, HA18a, HK17, KDU15, LR14, RCM11, TCM18, BQ15, BQ17, BJQS18, BJ19, BG14, BC17, CCKP15, CT18, DM16, Dia17, GB16, HS13, Hes14, HSJ15, Hes18, HM17c, Ku18, LC10a, LGG12, LL16b, LZ17, LJJ17, LJLY19, LY11d, Liu14, MLGY16, PFDG17, PGF18, PATA11, RMB+14, TJQS13, TBP19, WLT13b, YC10b, YD12, ZLZ11, ZMLZ16, ZY17a, ZWLZ18, ZL13]. **Least-Squares** [KDU15, RCM11, HK17, BG14, BC17, CCKP15, GB16, HS13, Ku18, LC10a, LZ17, LY11d, MLGY16, PFDG17, PGF18]. **leaves** [LHH10]. **Lebedev** [Ehr18]. **Lebesgue** [Li17b]. **Leffler** [GMP18, Kir10a, LCP10]. **Left** [Gal11e, Mok11, NM11a, RTB14]. **left-looking** [RTB14]. **Legendre** [AR10a, BKY10, CCJV11, CNV14, Cvi10, DB12, ED11a, JYF+11, KK14a, MKL11, MBH11, RG18, SD12a, SXM11, VAB12, ZLJ+18, ZC17]. **Legendre-spectral** [AR10a]. **length** [CL12a, KRP12, LXYT11, MP11b, MP16]. **lengths** [Don10b, Gao11, TMMASG10]. **Lengyel** [MAB19]. **Lengyel-Epstein** [MAB19]. **Leon** [ES17, LM18a, Liu18a, LZM18, PTZ19, MR17]. **Leray** [SM10]. **Lerch** [Cvi10, SJPS11]. **Leslie** [Li14, LWN15, YL13, YXWL14, Zha18f]. **Letnikov** [SKTH11]. **level** [AMGC19, AVZ15, BDF16, BS17, CCY10, Chu12b, CAC14, DLQ16, FLLF10, FIW13, HMF+19, He16, JZE+18, KWAS16, LHL12b, MBH16, MM18d, MS15, PÁAP+15, PZAR19, ST15, SPT17, SHH16, TS16, WCLD18, ZT15, ZLS13]. **level-set** [BDF16, HMF+19]. **leveled** [IC12]. **leveling** [qGpWhL11]. **levels** [CZ10, ZGD13]. **Levenberg** [HM19]. **Lévy** [Li18c, LPP15]. **Lévy-type** [LPP15]. **LFSRs** [QGGL13]. **Li** [YLH12]. **Li-ion** [YLH12]. **liability** [LS11c]. **LIBOR** [LSV18]. **lid** [PD11, SK14a, SSPL10, ZZC13a, ZZC13b]. **lid-driven** [PD11, SK14a, SSPL10, ZZC13a, ZZC13b]. **Lidstone** [Yan10d]. **Lie** [Abd18b, eMA18, Ade17, BSZ16, CYZZ18, KKK16, KT18b, KK19b, KK19c, LXY19, Ray17, Ray18, RÖ10, RRP16, SR17a, Sin16, UKA15, WLXZ18]. **Lie-group** [CYZZ18]. **Life** [Nab19, CL12a, GM18b, KAK+12, LYJ15, MSH10]. **lifetime** [BEAA11]. **Lifshitz** [AET19, BM19, LT13, Pu12, ZY17d]. **lifting** [Pan11]. **light** [HCT12, HLY16]. **like** [ATUC15, AG10a, BJLZ12, BMAR18, BM18a, BT15, BA16, CNR10, CLMM18, Cia12, DT16, DD16, DRS11, GH15, GC19b, HM15, HM19, HN10, KSG11, LSD10, LMZK16, QL10, RKSA18, RWW18, RGdSRLAJ10, SAIZ15, SMYK19, Von11, WKG10, Wei14, YS16b, YK17, ZDZY17, ZBFC19, Zha19b]. **likelihood** [LD11a]. **Limit** [CD10, AZ10, Bab14, GOGYL+11, HP10, KLTS11, LFJ11, LSJ12, MS18, Pit12, RSH18, TDXQ18, ZYZ+17, ZZG19]. **limitation** [ZY13]. **limitation-induced** [ZY13]. **limitations** [CDG15]. **limited** [Gos10]. **limiter** [VFM19]. **limiters** [HLL+15, LvS15]. **limiting** [KdLK19, RAW+16]. **limits** [Gal10b]. **Lin**

[Gup11, tWqLzGkP11]. **Linbox** [YXYH10]. **line** [Amb12, AM13c, ANN10, BMTV12, BB15, CQ11, HSD10, Kim11, MCF18, Mai16, MS11a, SZ11, WZ17b, WZC+19b, ZZXY12, ZTZJ14, ZLG+10]. **line-search** [Mai16]. **Linear** [ADGG13, CYM13, CDM10, HM17a, MF11, RSV11, ÜM16, vdW14, Abd18a, AJ10, AJ12, AT18a, AD12, BM11a, Bag17, BS15b, BDM19a, BM11b, BDM+19b, BMTV12, BGRV15, BD16, BM13a, BQS16, BGPP11, BG11, BKY10, BCG17, BOT14, BRROP19, BKP11, BPX11, BK12b, CCJ10, CB11d, CM16b, CDL17, CL16b, DDD10, Deb12, DDM+18, DBH+14, Dra10, ED11a, FMS19, FZ19, FLdS14, FPB17, Fia15, Fio14, FL10, FLDZ12, FP18, Gal10d, GY15, Gar13, GGS16, GK11a, GK11b, GR13b, GHM+14, GHC+15b, Guo12, GH12b, GH13b, HKJ14, HH11, Hes18, HVO17, HMWZ16, HWXC18a, HWXC19, IW18, JGSS10, JGK13, JKS12, JJ13, JJ15, JL19, JL20, JC12, JCF19, JBBL17, KP13, KD10, KKLJ11, Koj10, Kun12, KMT10, LZ11a, LLW11, LHL12a, Lee15, LZGZ11, LLC13, LM19b, LZ16c, LLY10, LT15b, LLH11a, LZY11, LLH11b, LRH13, Liu14]. **linear** [LCW17, LCC13, LHL+14b, LS10d, MWL18, Mah11, MBH16, MGN+16, MZES12, MR10, MM18c, MMH11, MS15, MSG11, MS12b, NHIN16, OBCG19, Odi10, ÖŞ11, Pal12, Pan11, PR11, PJ17, PCM12, Pop14, QZY11, QHT16, RSDR11, RWTW19, Rey12, RS18b, SD10b, SYG11, ŞGY11, Saj14, SBEB10, SS18a, SKPW14, SL16c, SST19, SP12, STDLM19, SJHC14, SS13, Tan18, TWLYÖ10, TAPA+17, Tia11, TTZW18, THY+10, VMO10, VRD11, WW10b, WLD13, WZ17b, WNTW19, WLGL10, WMW13, XY17, XWY17, XWY18, XHM14, XM15, XC13, XC17, Yan17, Yan18c, YGR11, YqS16, Yus09, YSS11a, Yüz11, YSS11b, Yüz12c, ZKR+12, Zbo19, ZZ15a, ZM16a, ZSZ17, ZFZ10a, ZQ11b, ZL14b, ZYW15, ZS16, ZM17a, ZZ10a, ZZL18a, ZWH+19, ZG19, ZM17b]. **linearisation** [MS12b]. **Linearizability** [GKLR11]. **linearization** [TH19]. **linearized** [AEH18, CX16, HP17, OF16, SW17, WSW11, WCLD18, Yan15]. **Linearly** [KBAF18, He16, OKTR13a]. **LinearOperator** [MBH16]. **lines** [DM15, GZW+18, HWW13, ZR16]. **Linguistic** [OO12, ABFGZ11, CHT11, OO10, Zha11b]. **link** [OAKR16]. **link-wise** [OAKR16]. **links** [ES10, Kuo16]. **Liouville** [EM19, jASzZ12, CKLL10, KA13, Liu12, RNB11, SMK18, YY10b]. **lipid** [KHWK10]. **Lipschitz** [BH10, JS11, Lad16, SH10]. **Lipschitz-continuous** [Lad16]. **Lipschitzian** [THH12]. **liquid** [GLR13, GFZ16, KSO16, Kup10, Kup11, Kup14, Laz10, LZG13, MMRN12, MJ14, MSW18, NNL13, WO18, YWT18, ZDB19]. **liquidity** [CCJP11]. **lithium** [CD19, JLD19]. **lithium-ion** [CD19, JLD19]. **Littlewood** [NP12, SC19b]. **Liu** [AS10a, AS11c, DGB10a, HSMG12]. **living** [CFB11]. **LMI** [LZ11a, SMF10, Yan12a]. **LMI-based** [LZ11a]. **load** [AR10c, DVMS13, RSH18, WLXG18, XWL18, XCZQ16, ZWL11]. **load-carrying** [ZWL11]. **loaded** [FG18]. **loading** [AB18, KLTS11, PK19]. **loads** [HL11c, KÖC+18, VLFS12, ZWL11]. **loan** [CXZ15a, FXC18, LWJ10]. **loans** [LX10b]. **Lobachevsky** [COR18]. **Local** [AuIK17, Akm15, AYH17, DFS11, DZ17, Gon13, HA10, KM15, Via15, WD16, WLYX13, YM13, ZTC14, ARK13, Bac14b, BS16b, BQS16, CCKP15, CQ11, CQ13, CDD12, DPBL16, DA18b, FWZ16, FQLC18, FIM18, GGGR13, GV11b, HN18, HKS19a, HD16, HSC17, HLY16, ID16, KP10a, KBK19, LMR19, Li17b, LG12, LZLL18, LL17, LPP15, LZS12, Pu12, Ryl15b, SYZ19, SDH15, yS10, SND19, Tha19a, TDM13, tWqLzGkP11, WHS18, WZKY12, XJYL17, YY15, YH15, YGS17, YLC18, gZnZpZbD12,

ZWMD16, jZsQdLmG19]. **local-volatility** [LL17, SYZ19]. **local-world** [gZnZpZbD12]. **locality** [Hu19, LRTV10]. **localization** [HVR18, LKK12, zLYmL18, Sza15, YC12]. **Localized** [CPP15, HYC18, ZcHS18, KSG11, KKLJ11, xLlFwWL12, LWW19b, LWW19a, WL16, YKC11, YCLY15, Yao16, ZZ10b]. **Locally** [Bar17, Cie13, EDC14, BG15, CCRS17, FMPR15, JW19a, Lad16, Wu18b]. **locate** [Chu11c]. **location** [APT11, CGJ+14, KV10, LGVS19, Mok11, MP19d, RG11, SSPL10]. **locked** [BG10b]. **Locking** [LMR14, BHM19, RS18b]. **Locking-free** [LMR14, RS18b]. **locomotion** [SCC+12a]. **LOD** [WW16]. **Log** [FXC18, Boy16, KWPK13, PW18, ZJ12]. **log-and-polynomials** [Boy16]. **log-convex** [ZJ12]. **log-determinant** [PW18]. **Log-Stable** [FXC18]. **logarithmic** [AAR11, mCfX10, DZ21, HGW18, LTLL12, NT17, Tru19, YS17, ZH18a, Zho19]. **Logarithmically** [GLR13, LZG13, WY18b]. **logging** [MTV13, MPMTV15, dlPBTW13]. **logging-while-drilling** [MTV13]. **logic** [HHY+11, PB12, SH12b, Wu10, ZJZ+11]. **logical** [CL12c]. **logics** [JTC+10b]. **Logistic** [SZDO10, Xia11, ABM11, BR13b, FL13b, HLZM16, LMZ18, LW12a, LW12b, PATA11, ZW16a]. **logistically** [TH13]. **logistics** [WWH12]. **Long** [Li19a, Ngo18, NWZ11, PQB+16, FLZ14a, KBA11, LG13, MS12a, NNR14, Ros12, SIL19, SEM13, UKI11, WWD18]. **long-range** [MS12a]. **Long-time** [NWZ11]. **long-wave** [SIL19]. **longitudinal** [HHM12, Kia18]. **looking** [Raf12, RTB14]. **Loop** [KLCD16, AZ10, DLWW12, KW12, LMMF17, THY+10]. **loops** [EKS10]. **loss** [WL12a, ZLG+10]. **lossy** [Che15b, HCLL18, ZR18a]. **lost** [EMRS12]. **lot** [CCY10, DRK11, DH10c, WW10c]. **lot-sizing** [DRK11, DH10c]. **Lotka** [ACTB19, CS16, CSW11a, GKLR11, JWX14, MG16, Via15]. **Love** [MM13]. **Low** [CGHW14, CS14b, LCT12, AEH19, BK14, BD19, CY14b, sCYhX18, CZ11b, CCKY12, Cia16, CJK17, EG18, EHL+14, GSD+19, HP19a, HVO17, LCQL17, NDC+19, PDN19, QCG15, ySW10, WCB13, WWXW19, ZLW18]. **Low-complexity** [LCT12]. **low-contrast** [ZLW18]. **low-dissipation** [NDC+19]. **low-frequency** [BD19, CCKY12]. **low-Mach** [sCYhX18]. **Low-order** [CGHW14, HVO17, LCQL17]. **Low-rank** [CS14b, AEH19, BK14, EHL+14]. **low-regularity** [Cia16, CJK17]. **Lower** [Bag17, SRG16, HGSL18, HL10, KP10b, MMA12, San12, WZ10, Wu18b, YLB16, ZS11b]. **lowest** [SLW14]. **LQP** [BX14]. **LRBF** [ZcHS18]. **LSQR** [LJJ17, LJLY19]. **lubricated** [Wan12]. **Lucas** [CKMR11, Oru17]. **Lump** [CM18b, IMS19, LCW19, MCF18, MZM18, TTG16, YMHL18, BM18a, HLLM19, HTY+19, LM18a, SMYK19, WF18, YM17, ZCZ17, bZM17, ZDZY17, ZLT18, qZM17a]. **lump-kink** [bZM17, qZM17a]. **Lump-type** [LCW19, BM18a, HLLM19, YM17]. **Lumped** [FMSV17, XFY18]. **lumps** [YHC18]. **Lupas** [DK12, Ost11]. **Lyapunov** [DRD12, HmZ11, LCP10, TZZ11, TÇA12, ZHJ11]. **Lyapunov-type** [HmZ11, TZZ11, TÇA12, ZHJ11]. **lymphotropic** [EOM11].

M [BA11, EM19, ES11, LWD15, McN12, WL11b, ZLT18, WY11b]. **M-ary** [ES11]. **M-estimator** [WL11b]. **M-lump** [ZLT18]. **M/G/1** [WY11b]. **Mabrouk** [EM19]. **MAC** [SR18]. **Maccari** [JKB11, SMDI18]. **MacCormack** [Ngo18]. **Mach** [sCYhX18, GSD+19, HP19a, NDC+19, PDN19]. **Mach-number** [GSD+19]. **Machine** [WWH12, AA10b, AA10c, CQ11, CLW11, CCCW10, DM12a, DRK11, Hua12, Lee11c, LLW11, LLD10, LYLX11, LCC12, LW12c, MH11, MMR10, MMR11, RMS12, Wan08,

WW10a, WWW11a, WWW11b, YY10c, YH11a, YX11c]. **machinery** [MSH10]. **machines** [CQ11, GAVOF11, TJQS13]. **macromolecular** [BNR10]. **Macroscopic** [DNP15]. **MacWilliams** [ÖŞ11]. **MADM** [Li10a]. **magnet** [HLCY12]. **magnetic** [BTEM19, BDGS13, BPS18, CL15, COR18, EEBM10, FST19, GGR19, HHM12, ILP+11, Kia18, Ma18a, Ma18b, MCB10, SLKK19, XWN11, Yua18]. **magnetized** [Sea16]. **magneto** [BCSCB+15, Her14, KHF+19, LL16c, Ma18a, OSA13, SCBCB+13, SCBCB+17, YQ18, ZZ18b]. **magneto-hygro-thermal** [KHF+19]. **magneto-micropolar** [LL16c, Ma18a, YQ18, ZZ18b]. **magneto-thermoelastic** [Her14, OSA13]. **magnetoelectroelastodynamics** [ZLWL11]. **magnetogasdynamics** [BSS18]. **Magnetohydrodynamic** [AVR17, CYL17, DM15, FVVS16, KLRW12, RY11, UKA15, Wu11a]. **magnetohydrodynamics** [AHHM19, DH18, FKKS11, YH19, Ye15, ZHY14, ZT15]. **magnetosonic** [MR19]. **magnetostatic** [CDN19]. **magnification** [GOT19]. **Mahony** [DAM14, HGHA19, KB19, Oru17, CdR18, NNWAS11, YL18b]. **main** [MJ10]. **maintenance** [ÁBÁPM11, CL12a, DM12a, YY10c]. **majorant** [Gon13]. **majorants** [RSH18]. **majority** [DDD10]. **Majorization** [PA12]. **Makinde** [Pan17]. **making** [ÇE10a, ÇE10b, FLLF10, LS10c, PCK13, WL13a]. **Malaria** [NNR14, PM13]. **malware** [DW18b, ZZW15]. **mammalian** [KC19]. **mammals** [KALAS11]. **mammograms** [LTL+12]. **management** [BBO10, BPKM10, CSSW12, CCK12, Chu11b, Chu12b, cFpClC13, HDS11, HMP+15, HMM12, HHS+10, LS11c, OO12, OPDC12, PKTH13, VMAVGCM19]. **Manakov** [OVV+16]. **MANET** [KHIB12]. **manifold** [QCT17, Tru19]. **manifolds** [BG13, PP12]. **manipulator** [YMM12]. **manipulators** [LH12b]. **Mann** [ZS11a]. **Manna** [LM18a, Liu18a, LZM18, MR17, PTZ19]. **mannequin** [JMDA13]. **manufactured** [KMS19, SNEP19]. **manufacturing** [DSB19, HDS11, KRAS19, MAPS10, RMK19, SCvdV+19, WvDRG19, ZTY+19]. **many** [Bao16, CTA12, CF16b, CT18, DL14, KK10a, KK11b, Lam13, LWKK10, LZKU11, WW15, ZMM18, ZD11, ZTZ16b]. **many-core** [ZMM18]. **map** [dSCM12, ZG18a]. **MAPLE** [PG10, XYXZ16]. **mapped** [WBA+18]. **mapping** [ASV11, LLLC14, Zha11d, yZjH12]. **mappings** [AE12a, AKS10, APS12, BBR10a, CGY11, CGHY11, Cha11b, CS10c, CS11b, CM10b, Cie11, GDZ11, HLS11, HS11b, JPS10, KK10a, KK11b, KKS10, KA10b, KYO10, KYR11a, KYR11b, KT11b, LN10, LjHO10, LT11, Mai10, MS10b, Mar11a, NS11, Nil11, Pir11, QHW11, SLK12, Set12, She11, SH10, SCC12b, SSL11, XL10, XL11, YG11, ZS11a, ZRC11, ZLL11, sHC11]. **MapReduce** [ALLH11, ALLQ13]. **MapReduce-based** [ALLH11, ALLQ13]. **maps** [Ahm10, AH11b, And12, AvdW13, Bur13, CS11d, CGM10, JWX+13, KK10b, LC11b, LW10, vdW14]. **Marangoni** [RGVR17]. **March** [Ano18-57, Ano19-51, LK15]. **marching** [KKT13]. **Marcinkiewicz** [HT19]. **margin** [LWJ10]. **markers** [WLC11]. **market** [BBO10, ELS11, LSV18]. **markets** [CJPB10, GW15b]. **Markov** [BY11, ELS11, LS11c, LKCN19, WHW11]. **Markov-modulated** [BY11]. **Markovian** [BV11, LJYS18, LZ12c, PdlF10, VB10b]. **Marquardt** [HM19]. **Martin** [Li14, YXWL14]. **martingale** [DFS11]. **Maruyama** [BM12a]. **Mascheroni** [CM12a, Mor10c, Mor10d]. **masked** [KLL10]. **masonry** [KKSK18]. **Mass**

[DZ16, BHZJ19, Col14, DDK11, EAMA19, Gal10a, GBG11, Gen11b, HBK+19, Lee16, LZP+19, MS10c, NPR10, Sul16, XFY18]. **Mass-conservative** [DZ16]. **mass-energy** [Gal10a]. **massively** [Cos18, Kan15]. **massively-parallel** [Cos18]. **master** [AHOP18, ZWC10, ZWMD16]. **matched** [MLG17]. **matches** [KSM12]. **matching** [BL11, BE18, HL11a, HT16a, LG17, fLcJ10, WS10a]. **material** [BZKR15, Che18, FPB17, FMGR19, HMP+15, HCHH12, JFS14, JFS20, TMLF19, XZL+11, ZLS19, ZKBE16]. **materials** [BHM19, BML11, FXCC18, KMS19, QWL19, XLF12, XJ18]. **Matern** [LCLL18]. **Math** [AR10b, AD11a, Asl11, Bho14a, ÇE10a, Def10a, fDxZ11, DZ21, GXZ11, Her14, Her19, IIHuI10, ID10, JL20, Jia11, JFS20, JY11, KPS10a, KK11b, KYR11a, Li10c, LYS12a, LLH11a, LW12a, MP16, McN12, Pan17, Pen11, Ran15, SK12, SCBCB+17, SKTC19, Ver12, WWW11a, WWW11b, WYG12, Wan13a, WLDL11a, XLD11a, XWH16, WNC12, WNC12]. **mathematic** [LHL12a]. **Mathematical** [ADL12, BPS18, CCDL10, CJK18, DKG14, GD10a, HHY+11, JK12, Kuo16, SG11a, Ser19, SS13, AaC19, CFB11, DDLM13, DNR13, GL17a, JLWX18, MAPS10, MNJ+13, OHMAK18, OO10, PBS12, PLKCC13, RMS12, RdSRL19, SSM+17, SR17a, Sen12, SNSK19, SD15b, TSB16, WHLC11, YP10, ZQ11a, ASSV18]. **Mathematics** [Ant14, BCHS18, EM19, FdOdSS17, LK15, LZL+13, Yaz11, YWL+11b, Baa13, CBM10, CFB11, Gal11e, Lit13, PHWM10, SK10b, SK12]. **Mathieu** [CS10b]. **mating** [ZY13]. **MATLAB** [FRAK15, BCG17, JRA+18, OBCG19, RAW+16, Váz16]. **MATLAB/GNU** [FRAK15, JRA+18, RAW+16]. **matrices** [BKL+19, CW18, DH10b, Din10, DT16, DD16, DIS19, EMR10, GH13a, HA18a, HDT11, HT16b, Ipe12, JSEM13, JL15a, JL15b, JYL16, JL17b, KKBR19, LFZ19a, LLCG16, Mis14, MM10b, NHIN16, PW18, RWW18, Res16, RC17a, SSR11, TL10b, TM17, WSH12, XC16, ZL12b, dS15, dS16]. **Matrix** [AEF15, jASzZ12, DH10b, LJLY19, XKH10, AZ15, ADD+15, BT11, BK11b, BR18, BS11b, ÇE10a, ÇE10b, CA10b, CP16b, CM17, CP10, ÇA14, DLD10, DT16, DD10, DBEE11, DD16, ED11b, EHL+14, FZ19, FG18, GMP18, Gem16, Haj18a, Haj18b, HT18, HH16, HSMT19, HM17b, HM14, HM15, HM17c, HM18b, JJ13, JL17a, KPS10a, KPS10b, KBDC12, KMRN12, KB10c, LKLP12, LHY11, LS11b, LZGZ11, LGG12, LH12a, LZD17, LY11d, LLLC14, LM18c, MKR12, Mar16, MKPS11, PS12b, PW10, RWW18, RWTW19, SD10a, SB19, SH12a, SS17, SPST18, SSP13, SWC11, Sön11, SI17, TM17, TCM18, TÇA11, Tia11, TT14, VT11, WLD13, WLW16, WLW17, WWXW19, WFDW10a, WZ10, WFDW10b, WLDL11a, WLDL11b, XHM14, XM15, XC17, XCS18, YL10b, YqS16, ZT13, ZLZ11, ZYW15, Zha15a, ZMLZ16, ZY17a, ZY17b, ZWLZ18, ZZ18a, Zha19a, ZZC13a, ZZC13b]. **matrix-free** [LHY11]. **matroids** [XS10]. **maturation** [YLZ17]. **maturity** [SXB+12]. **max** [GWL11, KD11, YXP+13, FKC12]. **max-** [GWL11]. **max-product** [KD11]. **max/min** [YXP+13]. **Maxallent** [Gor13]. **maxima** [CHT11, LFJ11, LSJ12, GHR10]. **maximal** [CGHY11, FKC12, KST10, LG12, Liu14, Ver08, Ver12]. **Maximizers** [Gor13]. **Maximum** [Bog10, KST10, LD11a, LZS12, YXX11, YLH12, AA10b, BZZ+10, GÇK10, KK15, KCL12, LHH10, Liu17, LMP13, Mah14, MMR10, MMR11, NN13, SH18, Tod12, XFY18]. **Maxwell** [AVR17, BJQS18, BHZJ19, BDHR18, BD19, CLT+13, CDG16, CTC17, CT18, CFS17, DGL12, DGR18, DL14, EG18, FZ17, GT15, GT16, HLY12b, HCLL18, JRZK11, KVW18, LT13, LSS17, MSV18, NZ16, Per18, RÖ10, SBvdV13, SWL16, SLM18, SG16b, SG16a, Tri11, YZ10a, ZZLB18, ZSLZ19, ZLZG11,

ZWG11, ZLS13]. **May** [Ano18-66, Ano18-68, Ano19-55, Ano19-57]. **MBS** [KKG10]. **MCC** [LR15]. **McKean** [MB10b]. **MDS** [LMPG13]. **Mean** [BKMT16, CCJ10, CCJV11, CJCV10, XH11a, ASB12, BM12a, BKM11, BR13b, ÇT11a, CZN11, mCfX10, Dra10, LYLX11, RG11, TC16, TÇ12, WHS12]. **mean-reverting** [TC16]. **mean-reverting-theta** [BM12a]. **mean-variance-skewness** [BKM11]. **means** [ADK10, Çan11a, Ciz12, DM10, GK18, GDM13, Hal13, HM10, HCL11, JW19b, KVW18, MN10c, MN11c, MKPS11, PAT12, ZKWW17]. **Measurable** [AKLS19]. **Measure** [MKPS11, Fer12, FOS19, MT19b, MN10c, WLT13a, WLT13b, XD10]. **measured** [ZM13]. **measurement** [BKP11, KVW18, SG16b, SG16a, ST12, WHQ+18]. **measurements** [CL19, MMS+18, MPMTV15, YLC12]. **Measures** [LS10b, SH12b, VP11, WZ11a]. **MEBDF** [DIJ12]. **Mechanical** [KP19b, SNEP19, AGH+15, DM10, DPZ13, FG18, GLLC19, HMP+15, HNPS13, MV10, SSIP19, YWHC11]. **mechanics** [BDM19a, CTSX16, Gal11e, JZJ18, LL19b, LZF18, MMH11, WZG19, WTLS18]. **Mechanism** [CY14b, CW17, CQLX11, CYM13, GZW+18, HT12b, LHL12a, LLX+10, RZL11]. **mechanized** [BCF+14]. **media** [AGPR19, AP19b, ABK10, BASW18, BV10, BKNR19, CHM18, CP15a, CLB14, CJ18b, DVY14, EAAS18, EAMA19, GM18a, GQF+10, GGGR17, GGR19, HWyL11, HCLL18, IK16, KMT19, KB10b, KRP12, KRBS18, LR15, MCB10, MM19, OHMAK18, PZL+18, PCO16, RTL19, RJGS+19, SSS16, SSHH+18, SWOF19, SIL19, SCBCB+13, SCBCB+17, SP12, TR14, Tim13, Tim14, TMCM19, TRL19, UABK16, VZM14, XY16, YYK16, YB13, YLL+14, ZSQ+18, ZD18]. **mediated** [DDLM13, NJV13]. **Medical** [LXZ13, HT18]. **Medium** [Li18e, AKSW19, ASMM11, CWH13, CBB15, EEBM10, FLZ14b, GF16, GDM13, Her14, KNT12, KBCS16, LHL12a, Liu13, LZP+19, MCR11, MS10c, NPR10, OSA13, Pan17, RHMA18, RBB12, Ran15, REHA11, SD19, SWL16, WO18, ZSLZ19, dBD17]. **Meeting** [HPV+18]. **Melnikov** [YH12]. **Melon** [XC13]. **Melting** [WRW+19, AML+14, JFS14, JFS20, KÖC+18, SSIP19, SM19, BGM19a]. **melts** [ZH11]. **member** [Gep16]. **membership** [DMPV10]. **membrane** [CNR10, GHC15a, SCA14]. **membranes** [BM18d, CIN+18, VĆC10]. **Memetic** [tWqLzGkP11, EHO+12]. **memory** [Def10a, Def10b, JKN10, JPK17, MWL18, MSV18, OHMAK18, Par15, Par18, SM17, TG11, TS11b, WL11c, WKP+14, WY19b, XH11b, ZG14]. **memory-based** [OHMAK18]. **memory-dependent** [WL11c]. **MEMS** [LZ14]. **Menger** [AIB10]. **Menten** [CLM12]. **Meromorphic** [LSM11, AS10b, ASMEE11a, AX11, Las10, LY11a, Mar11b, QYL10, XLY10, ZX11]. **meromorphically** [EAA10, ORD11]. **Merton** [FES17, Jum10]. **Mesh** [CB19a, LMMT15, ABL10, Amo18, AKL18b, BGGCGRSP16, BDM+19b, BP18, CBBE16, CHBTD14, CKRW19, CFLX18, DN18b, DVY14, DMRS18, DFP+13, DLQ16, FGY+17, FF15, Hak14, ILV+19, JVMF19, KYW+18, KMS15, KH18, KCL12, LZZC12, Li18e, LFAL19, MPS18, MKA+10, PZZ18, SB14, Sul16, THGG14, VFM19, XFL16]. **mesh-dependent** [CHBTD14]. **mesh-free** [FF15]. **meshes** [AVV18, ABSV18, ACC18, BGF15, BN16, BDR19, BZT16, CBBE16, CWHW17, FMPR15, GSZ14, GGGR13, HMF+19, HVO17, JW19a, JCF19, KSD+19, PC17, SYI12, Tod13, Vac18, WW14a, WZH18, Wei14, Wei17, ZL19b, ZY19, ZMFL18, ZSY19, ZQ14a, dVDR18]. **Meshfree** [MR14, RC18, SL16a, SK19].

Meshless [LY15, MJWD19, AD15, BHJ14, BPF13, CD14, DAM14, DA16, DM16, DA18b, EFK15, FR15, FXCC18, ID16, JM15, JM16, KRP12, KBK19, LW18b, MHHC18, Mil18, MP19b, QWL19, ZN18, ZC16, ZSQ+18]. **mesoscale** [MS17]. **Mesoscopic** [DELK13, HLK10, KLK13, LAM+16, LLR+19, YLLK14, ZLG+11, MPGW19]. **message** [KC12]. **meta** [DM12a, KX12, OMS10]. **meta-heuristic** [DM12a, OMS10]. **meta-heuristics** [KX12]. **Metadynamics** [LNP+12]. **metal** [BGL+15, HJD15, ÖKJR19]. **metallic** [HLY16]. **metamaterial** [HLY12b]. **metamaterials** [HKW15, LSS17]. **Metamodel** [SJS+10]. **Metamodel-based** [SJS+10]. **metapopulation** [GMS18]. **metering** [LC10c]. **Method** [AMA14, AIIZ10, CPP15, DSK+14, DK18, IIHI10, KDU15, PD11, Rus16, SISH12, SNEP19, SL16c, WH11b, YMDZ10, ZKR+12, ZYT+16, ZHL12, Aba10a, Aba10b, AB10a, AD15, ADZ19, AD19a, eMA18, AEH19, AvB16, AEG18, AO10a, AEH18, AM10a, AHV10, AMGC19, Ade17, AR10a, AÖ10b, ATUC15, AuIK17, Ahn12, AA10a, AK18, AB10b, AA15, AH11a, AJAR18, ArEM10, AM10b, AG10a, AM14a, Ali15, AGDP19, AHO16, AAD17, AEDL14, Alo11, AA18, AER12, AK19, AHF10, AT18a, AML+14, AT18b, AOW18, ABLS15, ACAS11, Ant10, AVZ15, ABSV18, Arq18, AG10b, Asl11, AO13, AYY12, AuIA17, AJS14, BM11a, Bac14b, Bac14a, BCCZ18, BCH+18, BN14a, BP19, BC16, BDM19a, BGGCGRSP16, BDM+19b, BP11b, BMTV12, BRFH16, BC15, BASW18, BZZ+10, BK14, BMM12b, BS16b, BCJ19, BLS17, BDF16]. **method** [BBBM16, BWL18, BPG10, BGPP11, BE11, BG11, Bic11, BKY10, BML11, BXKZ11, BX14, BG14, BR13a, BKR+19, BHJ14, BGH14, Boy16, BB08, BRROP19, BSY+19, BFS15, BPF13, CB11b, CKL18, CCN14, Cal19, Çan11c, CH11a, CM16a, CB10, CDG16, CGY10a, CGHY11, CAY12, Cer18, CR18a, CEQ14, CHBTD14, CB19a, Cha11c, CWW15, Cha18, CYS10, CW10b, CM11c, CM11b, CQ13, CCSZ14, CW14, CWWY15, CHLY15, CM16b, CCCW16, CTG17, CWDL17, CM17, CCY18, CS18, CW18, CJ18a, CHL18, CM19a, CLL19, Che19b, CLA19, CWY19, CHY19, CHT11, CChL14, CPT15, CM19b, CAH11, CK15, Cho17, CCK18, CL17b, Chu11a, CD16, CFS17, CM14, CX18, CRRS11, CSU13, CLL11, CAC14, DGB10b, DRT+15, DWZ13, DZW16, DLZ17, DL10, DN18a, DH11a, DN18b, DSWB18, DH11b, DAM14, DM15, DA16, DM16, DA18b, DA18c, Del13]. **method** [DG13b, DRD12, DFGG13, DM12b, DT17, DMZ10, DSZ18, DWS19, DBEE11, DB12, DHY19, DZO+19, DC15, DCN+18, DGLU18, DBS12, Dos18, DH16, DLC19, DCRL13, DLQ16, Eba14, EFK15, EMQ18, ECJ16, EM19, ESBR10, ES18, Elb11, EZRR10, Els10, ET12, EZM12, EE10, ESL11, EG10, EE18, EAAS18, EKZ17, EGGS+12, FID14, FJB19, FZ14, FZ19, FLH10, FL11a, FSRB15, FSB17, FT10, FH11, FN14, FZL+18, Fia15, FRAK15, FNW18, FHS18, Fu19, FES+19, Füh18, GL10, GWR+18, GEZ14, GL17a, GGLP15, hGzS15, GLLC19, GLP18, GP19, GCE18, GRBT16, GS18, GK13, GGH18, Gen10, Gen11b, Gep16, GB16, GR13a, GH15, GY11, GMI11, Gon13, GR19b, GM14a, GK18, GR13b, GHCZ18, GNP14, GMZ15, GML17b, Gup11, GS11c, GM11, HMV18, HP19a, Haj18c, HSD10, HHY13, HXX19, HZ10, HP13]. **method** [HS11a, HH17, HKI12, HY16, HBK+19, HJ13, He16, HHS+17, HP17, HO19, HJD15, HG16, HS18, HM10, HA16a, HS13, Hes14, HSJ15, Hes18, HSWZ11, HBE14, HBE15, HT13, HKS14, HK15, HHG14, HA16b, HTL10, HVO17, HHGA19, HD14b, HLY17a, HYS+14, HLSN15, HMWZ16, HCZ16, HRHP17,

HG18b, Hu18, HMY18, HA10, HLZD11, HL11c, HZM11, HZP18, HWXC18a, HLX18, HCLL18, HWXC19, HM19, HD19, HLC11, IQR16, IK16, IS14, IIHuI10, JKB11, JGSS10, JKK12, JNJ+11, JZ13, JM16, JRA+18, Jaw13, JPS14, JJH16, JW18b, JW19a, JL18, JXZ+10, JW15, JZL18, JZE+18, KBA11, KAG11, KSD+19, Kan15, KVW18, KBDC12, KA10a, KBS11, KWAS16, KK10a, KK11b, KRP12, KM14, KRCJ11, KM12, KKS10, KK14a, KFYW11, KW11, KNZ19, KL12b, KG11, KLH+12, KW14b, Kim15, KL16b, KZ16, Kim18, KLTS11, KN12]. **method** [KS15a, KFTT13, KHF+19, KAS11b, KQ11, KVR11, KSMN11, KK17, KTK18, KBK19, Kup11, LCW12, LP10, LK15, LDS10, LC10a, LP12, LWWY12, LLH14, LL14a, Lee15, Lee17, LC11a, LHY11, LMR14, Li10b, Li10a, LCP10, LLJK10, LYZ11, LML11, LLZ11, LW11a, LY11b, xLlFwWL12, Li12b, LZZC12, LY13, LJSK13, LZYW13, LY15, LZWC16, LFC16, LSZ16, LCP16, LL16b, LS16, LR17b, LCK17, LZD17, LGC+17, LLFT17, LXZ18, LQMW18, LD18, LHY18, LHL18, LL19b, LFZ19a, Li19b, LPML19, LH19, LM19b, LK18, LZ19a, LZ17, LMLB19, LBJ10, LBW11, LYL12, LNKU12, LCLL16, LS10c, Liu11a, LL12e, LHL12b, LGL+14, LHL15, LX15b, LDL+15a, LL15, LZ15b, LDL+15b, Liu16e, LZJY16, LWZ16, Liu16d, LS17b, LCW17, LW18a, LZLL18, LW18b, Liu18b, LZ18c, LCHZ19, LFZ19b, LFAL19, LW13, Lu11, Luk11, LWC13, LM18c, LBL14, MKHC11, MS18, MR17, MBS17, MDRRV11, MDVM17, Mai16, MN11a, MTM11, MKR12, MCKM12]. **method** [MTN19, MHHC18, MH11, MV10, MCL+13, MBHV10, MMHGM17, MG15, MLY11, Mia18, MP19b, MFSL19, MHL11, MGB+11, MN10a, Mok11, MSG11, MLGY16, MR15, MS12b, MT18, MDW13, NLA19, NNK13, NKM15, NTR15, Naw11, Naz13, Ned12, Ngo18, NDC+19, Oan13, OKTR11, OKTR13b, OAKR16, OBAAD10, OTiSY16, OZF19, OAY11, OC14, OP14, OY19, Oru19, OHK+19, eOS18, Özd18, PGQ16, PP10, PC14, PLKC16, PLW+18, Par11b, PCK13, PFDG17, PGF18, PLR15, PXT10, PW10, PTH+16, PD17, Pul16, QY13, QZ16, QZF19, QCLC17, QWGJ15, QWL19, QCG15, RZ17, RMM11, RMA10, RY10, RNB11, RSL+18, RKA+18, RAD13, RFK16, RKF18, RG18, RMS12, RWTW19, RAW+16, RRAK19, RBTD14, RRP16, Ros12, RHC15, RS18b, SNH10, SD15a, SD18, SSAM11, SK11a, SC19a, SR15, Saj14, SEY12, SMF17, SMK18, SRGL13]. **method** [SR17b, SBEB10, SAIZ15, SMM19, SSIP19, SKTH11, SKG+11, Sea11, SDH13, SG10a, ST16, SVY16, SD11b, SZ17, SHH16, SL18a, SA16, SG14, SS14a, SXM11, SZZ11, ST14, SW16a, SZL+17, ST18, SGK18, SPST18, Śmi11, SST19, SMH18, SSP13, SS10, SG10b, SLYY13, SJC14, Sou12, SKM11, SW16b, SM14, SYW11, SSS11b, SK19, SKTC15, SKTC19, Sul16, SZ12b, SJHC14, SCGW18, SND19, SI17, TLR17, TR14, TPHD18, TTT10, THZ+11, TDXQ18, TL10a, TC16, TM17, TCM18, TS11a, TNP17, TZXP11, TMZ+15, TTZW18, TXL19, TCHW19, TDM13, TÇ12, TMLF19, TC10, TCM15, TT12, VAS+18, VAB12, VBK13, VZM14, VHPVNXW18, WZW10, WKG10, Wan10a, WZCC10, WY11a, WSW11, WWA11, WXYW11, WW11c, WKS13, WL13a, Wan13b, WmN13, WQRZ14, WC15, WW16, WHTZ16, WZ17b, WTM17, WC17, WW18b, WCSW18, WH18, WLXG18, WCH18, WLL+18]. **method** [WY18a, WW19b, WZC+19b, Waz11b, Wei10b, WZKY12, WCCS15, WLZ18b, WYK10, WHW11, WH14, WHQ+18, cW11, WZY13, WL17b, WSM+19, XW14, XD17, XY15, XFY18, XFH19, XHM14, XM15, XXG10, XJLX10, XX17, XWL18, XCZQ16, YT18a, YY15, YXS10, YXYH10, YF10, YMSL11, YC11, YX11b, Yan11d, Yan17, YZX18, YCHW18, YLK10, YC10b, YKC11, YCLY15, YZ15, Yao16, Yaz11, YP10,

YAS+11, YKKS10, Yoo17, YASK10, YS16a, YTZ17, YW11b, YNS+14, YSB15, YLLN16, Yun13, YS19b, Yus09, ZT13, ZT16a, Zak18a, ZTR11, ZSAN18, ZSAN19, Zbo19, ZS11a, ZCW15, ZM16a, ZSZ17, ZLS19, ZWC10, ZW11a, ZZ11b, ZTH11, ZLL12, ZLPM13, ZS13, ZHY14, ZHZ14, ZDLC14, ZTC14, ZHJ14, ZYW15, ZC16, ZKWW17, ZHC17, ZYSY17, ZLJ+18, ZWLZ18, ZL18, ZSQ+18, ZLW18, ZL19b, Zha19b, ZY19, ZH19, ZYZ11, ZHJD13, Zha14, Zha15b, ZLL17, ZP18a, ZcHS18, ZLZ10, ZC11a, ZOZZ12, ZL16, ZWJ+11]. **method** [ZY10b, ZY11, ZL13, ZH15b, ZSD10, ZHW+11, ZC11c, ZZL15, ZC17, ZQ14b, ZT18b, aZ18, ZMA10, dPLM18, CC15, CM16c, GD16, MRR18, WKBR18, dVDR18]. **methodologies** [CCFV12]. **Methodology** [HNK13, LLL13, MA16, MBT+13, SCvdV+19]. **Methods** [BDGG14, CN16b, GIM15, GCDG17, KLK13, LAM+16, RCM11, SVP+19, YLLK14, ADGS18, AAB+13, AD16, AS11b, AO18, AYH17, AGPR19, AP19b, APTZ19, AS15b, AKMUH17, BQ15, BJ19, BJRF19, Ban13, BP11a, BNTT14, BS11b, BCD+16, BJS15, Ber16, Bho14a, Bho14b, BQS16, BH14, Boy16, BLyS18, BC17, BK12b, Buo11, BKZ17, BS17, CCKP15, ÇT11a, CGGM19, CNV14, CMR17, CTP10, CWHW17, CCG18, CF16a, Che11d, CDY11, CLTA11, CLH13, Che15a, CLC16, CM18c, CCZ18, CY19, CJN19, CTM+13, CGK14, CFdM+18, CAP10, CSN11, CDL17, CELY18, CJK17, CJ15, CHH14, CN16a, CL16b, CN11, CT17c, CKR10, DIJ12, DMP18, DNS15, DELK13, fDxZ12, DSM18, DGM14, Don10b, DYWL19, DGH17, DFS14, DZ16, DHMU16, Eba11, EO15, ED11a, FMS19, FWZ16, FHZ13, FGHZ13, FLdS14, FT15, FMPR15, GML17a, GP11, GGVRB19, GTG11]. **methods** [Gem16, GK11a, GK11b, GSZ14, GR19a, Git14, GHM+14, GHC+15b, GDF12, GABC16, HN18, HCL12a, HH16, He11, HLL13, HR19, Her19, HSMT19, HR15, HLK10, Hof18, HH15, Hou15, HW16, Hu15, HCZ16, HM14, HWXC16, HPS18, IB11, Ikh11, IW18, Izs15, JMHF13, JM15, JLL18, JAJ18, KMS10, KM15, KBAF18, KKAM11, KTA12, KKC+10, KCL14a, KCL16, KPS17, KKVS19, KO13, KTH13, KQ11, Ku18, KY11, KV18, KdLK19, LW19a, Lee16, LLR+19, LN98, Li10c, LLML15, LH16, LSS17, LM17, LM18b, LNW19, LGH+11, LCZ11, LZB12, LWQZ18, LCHZ19, Loh16, LR13, LO16, Ma10a, MZC17, MRS15, MVKK14, MR14, MO14, MD15, MBJ16, MM19, MWY17, MT19b, NEB14, NCC13, NKA18, NUNAS11, OBCG19, OO10, Oh15, PIAH10, PPD10, Pet14, PS18, PAT13, RMB+14, RH15, RIW12, RTT17, Rob14, RJGS+19, RCG15, RC18, SBvdV13]. **methods** [SHM13, SWOF19, SDH15, SL18a, SBS12, SL16b, SL18b, ySW10, SLM18, SLL17, SV11, Ste16, SR17c, SCGW18, TH19, Tha19a, TS16, TFS11, UKI11, VMP15, WJ11, WLD13, WLM13, WW14a, WLA18, WMW13, WFZ12, WV15, WZHW13, XL15, XZ10, XZZ16, XY17, XWY17, XWY18, XW19b, Yan10c, Yan18b, YQWZ19, YYL11, ZSY14, ZL14b, ZT15, ZZWG16, Zha17a, ZTY+19, Zha13, ZLA17, ZLG+11, ZJZ18, ZZ14, ZM16b, ZSY19, ZD15, ZGD14, dVLV18, dPRVRB13, GGGR17, Vac18, DJD18]. **metric** [AKT12, AR10d, AHF10, AKS11, ASV11, APS12, BBR10a, CSW11b, CM10b, ĆSCD11, HLS11, Haz11, HS11b, IBB10, IN10, KPR10, KR11, Kar10a, KYAA10, KA10b, KLMV12, Lee11a, LC11b, MAK12, NS11, PRR10, Qiu12, RK10, RA11a, RI12, Sha10, SS11c, SCK11, WFY17, YBC11, YKRV11, Zha11d]. **metrics** [GAVOF11, PDHL12]. **MEW** [Sah17]. **MFE** [WLL+18]. **MFEAs** [QM19]. **MFEM** [AD19a]. **mfront** [HMP+15]. **MFS** [LCK13, NKM16, YY14]. **MHD** [DM15, BGP13, CYZZ18, Das12, EUTS18, FSZ17, FSTN18, FBTS19, GGR15, GZN19,

LZZ11a, LZZ11b, Liu18c, LZP+19, MC10a, MM18a, MI16, MGB+11, Pal13, RY10, RHMA18, RRP16, STS19, SB14, TH19, Wen18a, Wen18b, XZ17, YS19a, YZS18, ZH15a, ZaY17, ZZLB18, ZJB19, Zha19c]. **MHSS** [ZSZ17]. **MI** [WCD10]. **MIB** [XW14]. **micellar** [KL16a]. **Michaelis** [CLM12]. **micro** [ASFM15, BM13a, CCY18, GZR+13, GSZ11, LG13, RMA10, RR14, YLF19, YWHC11]. **micro-actuators** [RMA10]. **micro-channel** [LG13]. **micro-electro-mechanical** [YWHC11]. **micro-particles** [ASFM15]. **micro-polar** [BM13a]. **micro-tomography** [GZR+13]. **micro-vessels** [YLF19]. **micro/nanoflows** [RR14]. **microcalcification** [MBKK10]. **microchannel** [AYY12, HCT12, LZB15, PC14, ySGL+10]. **microfluidic** [CGS12, PN16]. **microgrid** [HMM12]. **micromagnetics** [PRS18]. **micromorphic** [ZLWL11]. **micron** [GK19]. **micron-scale** [GK19]. **micropolar** [ABV11, BPR18, BGP13, BPZ19, CL15, Das12, LL16c, Ma18a, UKA15, YQ18, ZZ18b]. **microRNA** [NJV13]. **microRNA-mediated** [NJV13]. **microscale** [CD19, GQF+10]. **microscopic** [BKK12]. **microstructural** [ZTY+19]. **microstructures** [AGDP19]. **microtissues** [PN16]. **middleware** [AJJAD+10]. **midpoint** [PRS18]. **migration** [Ben12, CQ11, Par17b, WCQ+19]. **mild** [BH10, CZN11, CZN12, CCD10, HB12b, JS11, LJ11, SW12, TNHK19, ZDB19, ZJ10c, ZLW19]. **Miller** [Ebr11, NODA11]. **Milstein** [CFN11, KPR13]. **Milstein-type** [KPR13]. **Mimetic** [dVLV18, AD16, AVZ15, BG14, GB16, JAJ18, RGHZ15]. **MIMO** [Sha12a, SZGG11, VMO10]. **min** [YXP+13]. **Mindlin** [CCN14]. **mine** [RB19]. **MINI** [CB19b]. **miniature** [KW12]. **minimal** [AM15, BWL18, CWW19, Ili10, KM12, SJHC14]. **minimax** [LZ12b]. **minimisation** [HW16]. **Minimization** [FT10, KSS13, Pir11, WHD14, ZD12]. **minimize** [AA10b, AA10c, LYLX11, ZLG+10]. **minimized** [PGDL18]. **Minimizing** [DP15, MMR10, MMR11, YY10c, ZGL14, CTZ17, HWY14]. **Minimum** [BDGG14, GCDG17, HM17b, HB12a, KCL12, YS19b]. **Minimum-norm** [HM17b]. **Mining** [FKC12, LZL+13, KOPS13]. **Minkowski** [AZ15, UMY11]. **Minty** [RGdSRLAJ10]. **Miodek** [YGS+16]. **Mirakjan** [Mah10a]. **Mirror** [JRSZ12]. **Mirror-curves** [JRSZ12]. **miscible** [HCZ16, LR15, LCHZ19]. **MISTY** [LLSS13]. **Mitigation** [TBP19]. **mitochondria** [KC19]. **Mittag** [GMP18, Kir10a, LCP10]. **Mittag-Leffler** [GMP18, Kir10a, LCP10]. **Miwa** [BM18a, HTM18, LDL11, LYC+19, LSX13, Man18, YM17, YTS+17, ZBFC19]. **Miwa-like** [BM18a, ZBFC19]. **Mixed** [BGR14, BM12b, JN14, KRBS18, LLML15, LTSW16, MS12a, MS10c, SRRP18, bZM17, qZM17a, AD19a, AAZ10, AH10b, ABCR10, AD16, AS19, AP19b, APwS18, AJS14, BQ15, BQ17, BJ19, BL10, BNR10, Ber12, BGPP11, BM18d, BHH16, CB11a, CB11c, CGY10b, CLH13, CHLY15, CL15, CS11b, CB19b, CN16a, CGO19, DPBL16, DN10, Das12, DW18b, FKF13, FDG+17, FGHZ17, GRBT16, GGS16, GOS18, GGVRB19, GS15b, HTGSH13, HLL13, HT13, HSBL11, Hou15, HLY17a, HMWZ16, HCZ16, Hu18, IK16, JJH16, KC11, LCQL17, LL16c, LRH13, LDL+15b, LCHZ19, LT11, Ma18a, Ma18b, MP10b, Mat19, NPR10, NUNAS11, ÖZ11, PS18, RBB12, Ran15, RTT17, SK11a, SC19a, SPH10, SHM13, SLW14, SW16a, SZL+17, SSPL10, SJC14, SR17c, TMMASG10, WAZ11a, WC17, WW19b, WFZ12, qXjH11, XH11a, YNLK10, ZR18b, ZR18c, ZS13, ZWH+19, ZMFL18, QZM17b]. **mixed-FEM** [GOS18, QZM17b]. **mixed-hybrid** [PS18]. **mixed-integer**

[HTGSH13]. **Mixed-type** [LTSW16]. **mixer** [MMS+18]. **Mixing** [ATO19, GSD+19, HTL10, KRP12, LLG10, ZCSG13]. **mixture** [BKR10, DB10, FM17, Gro19, PFDG17, RNQ13, RNQ16, TC18]. **mixtures** [GT15, GT16, Laz10, PXT10, VMP15]. **MLAIN** [IC12]. **MNC** [HHS+10]. **mobile** [DA12, HSS+12, JCWZ16, LX12b, ZLPM13]. **mobile-immobile** [ZLPM13]. **mobility** [BDPM12, CCK12, DFJS10]. **Mocanu** [NUH12, NODA11]. **Modal** [ZT18b, Che12c]. **mode** [BJLZ12, BRFH16, BG10b, CZMZ11, CL12b, FDB13, HGN+10, HLCY12, Kuo11, LZY12, LZ12c, PC12, YWHC11, ZR18a]. **mode-dependent** [LZ12c]. **mode-locked** [BG10b]. **Model** [ÇA14, DK14, HTGSH13, JJH16, LEP11a, WJ11, WRW+19, ABM11, AD15, ADY12, AK16, AFGL10, AZB13, Aki17, AaC19, AdSSS19, AWJH19, AEG11, ABLS15, ABR+14, AAP12, AGU14, ALMLM14, ADS14, ASSV18, ABK10, BM12a, BN14a, BP19, BMAR18, BS10b, BC16, BMS19, BBDS11, BP11a, BG15, BPR18, BO10, BMM12a, BGRV15, BPS18, Bho14a, Bho14b, BF11, BSZ16, BMS13, Bis14, BD19, BSN13, BDB12, BKR+19, BGL+15, BNP18, BK15, BFF+11, CW15a, CCN14, CLT+13, CCR16, CYP16, CCJP11, CD19, CM15, CN13, CST14, CB19a, CWH13, CXZ15a, CL16a, CM18c, CJ18b, Che19b, CZ11b, CXMO19, CV14, CKRW19, CGK14, CCCW10, Chu12b, CT10b, CTS19, CFLM19, CGO19, CHS19, CS13, CAC14, DD19a, DH17, DDLM13, DZW+15, DNZ+13, DYQM14, DNR13, ECJ16, ES10, EOM11, EZM12]. **model** [FGB19, FJWW16, FJC16, FSZ18, FQLC18, FKC12, FIS18b, FL13b, FHA16, Fu19, GWR+18, GSI19, Gal12, GS15a, GL17a, GCR+18, GMS18, GGH18, GB18, GGK18, GGL13, GOGYL+11, GM18b, GDM13, GJX18, HLZM16, HT18, HNK13, HY15, HBS+10, HZ16, Hei10b, HHNLGC18, HMM12, HW19b, HQ19, HL18b, HMY18, HLNZ19, Hu19, HGW11, HLY16, HLC11, HKW15, IS14, JKN10, JS12b, JGK13, JWX14, JLWX18, JW19b, JQG14, JK12, KP18, KGJ11, KL16a, KK12, KSM12, Koj10, KÖC+18, KSO16, KS15b, KM10, LMPE18, LHL12a, LPLR19, LLG+11, LC10b, LK11, Li11b, LW15, LCS15, LWN15, LWD15, Li16a, LJYS18, LMY19, LZPZ19, LSC17, LL12c, LMZ18, LCCC10, LY11c, LJX12, LC13, LRV13, LWL14, LS17b, LZCL18, LRBA15, LLL16, MGTH16, MW17, MLY18, MMRN12, MAPS10, MM16, MNJ+13, MGY11, MW16, MM11, MSW18, MSZG17, OHMAK18, OAKR16]. **model** [ODAZ15, Özu15, PZL+18, PSP10, PQB+16, PQBK17, PHPK12, PLR15, PGW19, PM13, PBS12, PLMS14, PDHL12, QXLL11, QZY11, RPTD10, RSL+18, RKA+18, RA18, RQ18, RTV17, RTL19, RRO17, SSM+17, SG11a, SH18, Sal16, San11, SCSF19, SWOF19, SBKS12, SS16a, SNSK19, SMC10, SGZW18, SP12, SS19, SD15b, SSK13, SZ14, SSS+11a, SW10, SLZ11, SFM15, SW19, TTMJ12, TM18, TZ18, TTM19, TZ13, TNV19, VGK+16, VGC+15, WCD10, WWG10, WC11a, WYN12, WHD14, WHZL17, WYL19, WW19a, Wan19a, WZWS11, WHLC11, WTSS10, WCW13, WGY+18, yXpYxZT11, XL15, XY14, XZ11, XMW10, Xu11b, XLF12, XC13, Xu14, XC16, XBHN16, XGH17a, XJYL17, XGH17b, XWL18, XXH18, YY11a, YLY12, YG17, YZ10a, YWL+11a, YL13, YZWW14, YX16, YZMZ16, YGS+16, YLZ17, YZ18, YL18a, YLC18, YZM+19, YXWL14, YKA18, YLDL11, yYsZyYL13, YDW15, YWL17, Yua18, ZK16, ZZ19]. **model** [ZH11, Zha11b, ZZ11a, ZLPM13, ZZX+14a, ZL14a, ZHW14, ZY15a, ZYZ+16, ZWZ16, ZCY16, ZLTY16, ZYZC18, ZHW+18, Zha18b, ZZF18, ZSW19, ZSLZ19, ZLC+11a, ZS15, ZW16b, Zho13, ZLC11b, ZZW15, ZZ17, ZLY17, ZLZ18, ZY13, jZsQdLmG19].

Model-based [DK14, RSL+18, SWOF19, WCD10]. **modeled** [ZS18]. **Modeling** [ABH12, BCH+18, CN13, COR18, GPV11, JVMF19, KMS19, MGN+16, PV12, Pet11, SPS+13, SL18b, SKK12, THY+10, YGR11, ZC11b, ADL12, Baa13, BNR10, BHM19, BCC14, BZZ+10, BWZ16, BKR10, CCDL10, CANA19, CP16b, CSZK10, Che12c, CJPB10, DEFP11, DNP15, DYX11, DFP+13, DNZ+13, DW18b, DA12, Ebr11, EK16, EAEH18, EE18, Fio14, GD10a, GQF+10, GACMO13, GR10, GV11a, GGR19, HWH+15, IBG12, IL13, JLD19, KMT19, KEHB18, KBGC12, Kei13, Kuo16, LZYW13, MCL15, MY16, MZM19, MM18b, MRS+12, MEAMHHV18, ÖKJR19, PKD19, PLKCC12, RS12b, RdSRL19, SCA14, SWOF19, Ser19, Sha12a, SZP+11, WA19, YC10a, YKKS10, ZZHF12, ZSY14, ZHC17, Zho19]. **Modelling** [CD12, CGS12, DLF+11, GZ10, KKK12, QLT+18, WWW11a, WWW11b, Amo15, BASW18, Ben12, BD11d, CI18, GHT+15, HMP+15, LDS10, RTL19, SM19, TRL19]. **models** [eMA18, AM12a, AGPCC10, AD19b, Bab14, BL18, BGM19a, BCFQ19, BDPM12, BCPS15, BKM11, BBL19, BKK12, BKMT16, BK16, Bre14, BS18b, Cao19, CB10, CJK18, CLM12, Che16, CR18b, CWY19, CTM+13, CJPR10, Coo10, CRRS11, DPBL16, DNS16, DGZ13, DPZ13, DGOZ13, DLT12, DMRS18, DGM14, DKG14, Dun18, ES18, EPP18, FCZ12, FAHZ17, GM18a, GUK13, GFZ16, GGT14, GLL14, Gur13, HMV18, HNK13, HKS19a, HBK+19, HpD11, HPR19, HH10a, HWyL11, IW18, JRB15, JL16, JBBL17, KNZ19, LD13a, Laz10, LLZ11, LZ16a, LCS18, LB11, LZB12, LCW17, LCWZ18, LL17, LSV18, LPP15, LRTV10, LPY16, LW11d, MZC17, Mag10, MV12, MMOJ14, MPY16, MW13, MPGW19, MBT+13, NB11, NCV+18, OHK+19, PP10, PFDG17, PGF18, PLKCC13, QY13, RSS10, RR11, Sag10, SYZ19, SRDD17, SD11b, SLL17, Sin16]. **models** [SM10, STDLM19, Sul16, Sun10, TWLYÖ10, TH13, VMP15, WRW13, Wan14, WZ17a, WZXS17, Wri13, WS16, XY16, XFH19, XJ18, YB13, YW14, YZ19, Zbo19, ZZXY12, ZZX+14b, ZSW15, ZYZ+17, ZZ10a, ZLY12, dPRVRB13]. **moderate** [Pap15, ZZG19]. **moderate-degree** [Pap15]. **modernization** [CCHG17]. **modernized** [WBA+18]. **modes** [MTV13, SA16]. **modification** [Bra13, DK12, KKC+10, Özd18, PSP10, SR17b, SS10]. **modifications** [Cie13, EGGS+12]. **Modified** [Aba10b, AY12, FH11, HA10, NLA19, SH10, YMDZ10, YS16a, ABM11, AM13a, ADZ19, AR10a, AA15, BGIN13, BM18c, Bra10, CL11, CB11b, CFN11, CM11c, CM11b, CTG17, CW18, CT17b, CdR18, DH11a, DMPV10, DYWL19, DR12, EK16, FM19, Gen10, Gep16, GABC16, HD14a, Her19, HM14, Jav11, JJH16, JW10, KMS10, KK10a, KK11b, KNZ19, KBCS16, LK15, LG10, LZD17, LCQF19, LHL15, zLYLQ19, uHS12, MM18a, MJWD19, MGS+14, MP19c, MD15, NNWAS11, OHMAK18, PP14, RR18, Ray18, RMY19, SK11a, Sea16, SIL19, TFS11, WKG10, WW16, WTM17, WLW17, WW18a, WW15, YL13, YS19a, Yil19, YXWL14, ZWC10, ZTZJ14, ZYW17, Zhu10, ZH18b, ZLGL11]. **modular** [AH11b, Deu10]. **modulated** [AGDP19, AGD10, BY11, Che18]. **modulation** [GTZ19, WAG+14]. **Module** [AK12, JPP12, WD13]. **Module-based** [AK12]. **modules** [AS11d, AB11]. **modulus** [FZ19, RWTW19, ZL14b]. **modulus-based** [FZ19, RWTW19, ZL14b]. **Moffatt** [BK18]. **moisture** [KKSK18, Zho16]. **MOL** [DM15]. **mold** [ZOZZ12]. **molding** [CCY18]. **Molecular** [KHWK10, SID15, EHO+12, NEB14]. **molecular-continuum** [NEB14]. **molecules** [BO18b, EHO+12, GT15, GT16].

mollification [AM10a, MAS11]. **MOMCMC** [Li12b]. **Moment** [FXC18, AvB16, BM11b, DL16, FN14, HD19, LMR14, pZ10]. **moments** [BF11, KYA15, MD10, Nie10]. **momentum** [HYS+14, KS15a, YNS+14]. **Monge** [Dai14]. **monitoring** [BCF10, HLT12, JXZ+10]. **Monk** [BCHS18, Col18, Per18]. **monochromatic** [HCT12]. **Monocular** [YC12]. **monocyclic** [AZB13]. **monodimensional** [Dub13]. **monodromy** [ÇA14]. **monolithic** [NH15]. **monopolies** [ATZ11]. **Monotone** [FL14, Ber12, Bor11, CGHY11, CM11c, CT10a, LZ12a, LL15, LT11, Mai16, Tia19, WW11c, XJLX10, Zha11a]. **monotonic** [ABL15, DBH+14, SKJ10, SGQ12]. **monotonicity** [Ver08, Ver12]. **Monte** [AEF15, AGK15, DGLS19, HC18, Li12b, Mil18, MDW13, PA15, SWOF19, VMC+14]. **Monte-Carlo** [HC18, VMC+14]. **Montgomery** [YXYH10]. **Moore** [BT10, LZ19b, SSP13]. **Morley** [CGH14, YLB16]. **morphochemical** [BGL+15]. **Morrey** [Gao12, LZG13]. **Morris** [LSW16]. **Mortar** [KCL16, APwS18, KW14a, RZ17, SD18]. **mosaics** [JRSZ12]. **MOSFETs** [VMC+14]. **mosquito** [ADL12, DD13]. **motif** [fLcJ10]. **motifs** [fLcJ10]. **motility** [XBHN16]. **motion** [BJLZ12, BN14a, BH11, DTR19, Dun11, FAIV10, Gal11e, GC19a, JNJ+11, MP11c, SPL19, SM10, TC16, WSW11, XaZH19]. **motions** [ZTSC16]. **motivated** [GMS15]. **motor** [BJLZ12, HLCY12, LC12b, MK18, SST19]. **Motsa** [Pan17]. **Moulton** [PIAH10]. **Mountain** [SZ12b]. **mounted** [CJ12]. **movable** [FWFL11, KHF+19]. **movement** [PLKCC12, RIW12]. **Moving** [ABL10, Amo18, BDR19, CKRW19, CDM10, DL16, DVMS13, DA16, DM16, EAEH18, FIMV18, FGL10, HH17, HSWZ11, JSGP16, Kia19, KÖC+18, LHL12a, LL16b, LX12b, LGVS19, Ma10a, MDVM17, MT19a, MJ14, PTH+16, SA16, ST18, TBP19, UKA15, WLT13b, YD12, ZDL11, ZWL11, ZR16]. **MPS** [NKM16, SGK18]. **MPS-based** [SGK18]. **MR** [LW12c, XY14]. **MRF** [LYSZ19]. **MRT** [GUK13, MPGW19, RKA+18, ZPGW16]. **muffin** [BO18b]. **Multi** [BMS13, BL17, BO18b, DDMQ19, GACMO13, GWL11, IC12, LY12b, MGS+14, OKTR13b, SH18, SKG+11, VKJ13, ADZ19, ARESH18, AFGL10, ATUC15, AuIK17, AK19, BZ10, BRFH16, BMM12a, BZ18, BKK12, BN14b, BSY+19, BS17, CCY10, CCL+12, CLA19, CS11a, CCFV12, CS11d, Cie11, DM12a, DMPV10, DGK10, DA12, ESN10, FIVM17, FL11a, Fia15, FMGR19, FHA16, Gha17, Gha18, GY11, GN19, GLW18, HMY15, HG18a, HL11b, HW19b, JGSS10, JA11, JLTB12, JZE+18, JK18, KGJ11, KSD+19, KV17a, KC12, KRCJ11, Kim11, KK10b, Kir10a, KSO16, Kuo18, KM10, LGHR16, LWR16, LXZ13, LW11b, LZY12, xLlFwWL12, Li12b, LZZC12, LY13, LWL11, LSM10, LCLL16, LCCC10, LMDL11, Liu12, LL16d, Liu17, zLZ19, LFAL19, MKL11, MGN+16, MVKK14, MLZ+16, MB17, MM19, NB11, yN11, OBAAD10, Osm18, PLR15, RPTD10, SC19a]. **multi** [SLL12b, ST12, TZXP11, VCM11, WZH10, WWA11, WL13a, WZ16, WYL19, WO18, WKP+14, XBHN16, YXS10, YX11b, YB13, YKA18, Yüz12a, Zak18a, ZMM18, ZL14b, ZLA17, ZZL+18b, ZWH+19, ZDF+14, ZT18b, ZD18]. **multi-** [ZMM18]. **multi-agent** [CS11a, MB17]. **multi-asset** [GLW18, MVKK14]. **multi-attribute** [LCCC10, WL13a]. **multi-axis** [LZY12]. **multi-body** [HMY15]. **Multi-classifier** [VKJ13]. **multi-component** [BN14b, MM19, YB13]. **multi-context** [AFGL10]. **multi-core** [Fia15]. **multi-criteria** [KC12]. **multi-delay**

[YX11b]. **Multi-dimensional** [BL17, SH18, ADZ19, AuIK17, AK19, BZ18, Gha17, Gha18, HG18a, LCLL16, Zak18a, ZDF+14, ZT18b]. **Multi-domain** [BO18b, FIVM17, KSD+19, PLR15]. **multi-fan** [LSM10]. **multi-fluid** [KSO16]. **multi-frame** [LGHR16]. **multi-frontal** [WKP+14]. **Multi-GPU** [OKTR13b, LWR16]. **multi-grid** [ZD18]. **multi-hop** [DA12]. **multi-index** [Kir10a]. **multi-instance** [xLlFwWL12]. **multi-layer** [HW19b]. **multi-leader-follower** [yN11]. **multi-level** [BS17, CCY10, JZE+18]. **Multi-leveled** [IC12]. **multi-material** [FMGR19]. **multi-mode** [BRFH16]. **Multi-Objective** [GACMO13, GWL11, BMM12a, CCFV12, DM12a, DMPV10, KGJ11, Li12b, RPTD10]. **Multi-operator** [LY12b]. **multi-order** [GY11, YXS10]. **multi-pantograph** [LW11b, Yüz12a]. **multi-parameter** [GN19, NB11]. **multi-parameters** [ZL14b]. **multi-patch** [JK18, KV17a]. **multi-phase** [BKK12, MGN+16, MM19]. **multi-point** [BZ10, DGK10, ESN10, HL11b, Kim11, Liu12, WZH10, WWA11]. **multi-projection** [MKL11]. **multi-quadratic** [Cie11]. **multi-relaxation** [KM10]. **multi-relaxation-time** [LZZC12]. **multi-resolution** [LXZ13, TZXP11, WZ16]. **multi-scale** [LY13, XBHN16]. **multi-sensor** [ST12]. **Multi-soliton** [MGS+14, Kuo18, LMDL11, LL16d, zLZ19, Osm18]. **multi-solitonic** [LWL11]. **multi-species** [FHA16]. **multi-stage** [CCL+12]. **multi-state** [VCM11, YKA18]. **multi-step** [ATUC15, FL11a, KRCJ11, OBAAD10]. **multi-target** [WYL19]. **Multi-temperature** [BMS13]. **multi-term** [ARESH18, BSY+19, CLA19, JGSS10, JA11, JLTB12, Liu17, LFAL19, MLZ+16, SC19a, SLL12b, ZLA17, ZZL+18b, ZWH+19]. **Multi-thread** [SKG+11]. **multi-valued** [CS11d, KK10b]. **multi-vendor** [KGJ11]. **multi-waves** [WO18]. **multiattribute** [WO10]. **multicast** [KCL12]. **multicomponent** [KNT12, WS16]. **multicore** [WWZ12]. **Multidimensional** [Izs15, Mac12b, She16, ACD+11, DGOZ13, DB12, Erg19, HA16b, Koj10, LN19, MD18, RS15, Saj14, SW16b, ZY17d]. **multiexponent** [HL10]. **multifield** [KRD16]. **multiformalism** [IBG12]. **multifrontal** [YW14]. **Multigrid** [AZ17, BLyS18, Che15a, SCGW18, AGPR19, ACC18, BA16, CTP10, CO15, CWWY15, DWZ13, DLZ17, DLZ19, DDM+18, GEZ14, GGGR13, GALO18, HRHP17, Kan15, LYC15, RC17a, SRGL13, ST19, WN18, YSX+19]. **multigrid-convergence** [GGGR13]. **multigrid-like** [BA16]. **multigroup** [Sun10]. **multiharmonic** [KKL+13]. **Multilayer** [KY11, RCH19]. **multilayered** [AGH+15, LLL16]. **multilayers** [AHP+14]. **Multilevel** [CDY11, LT15a, YH15, ZZL18a, Bac14c, Che11d, DGLU18, JZR15, LCQF19, PA15, SWOF19, Sha12b, TL12, Tom13]. **multimaterial** [BMS19]. **multimedia** [CL12c]. **multinational** [ZHT11]. **Multiobjective** [AH10b, GJ10, Ant10, Ant14, GKS10, KMS15, ZLLF12, ZGZ13]. **multipath** [YDK+12]. **Multiphase** [CI18, LK11, LBL14, AWJH19, DVY14, DGM14, HWyL11, KSD+19, LSC17, MA16, RTRR18, SGK18, WGY+18, YZWW14]. **multiphysics** [GGH18]. **Multiple** [Ade16, AD11d, CZ15, CZ18, HLWX11, LL19a, LCW10, LY14, LM18a, LJ10b, LC16, PB13, San12, WSG10, ZJ10b, ZT16b, AT18a, BKT12, BGRS11, BG10a, CTG17, CHZ19, CMS10, DWZ13, ES10, FNZ13, FVVS16, GGAV18, GZZ+16, HH10a, HGW11, JTCC11, JC12, KBGC12, KG11, LCN10, LYZ11, LSC17, LWZG10, Lin11, LKL+15, LS10c, LC10d, LTL+12, Liu12, Liu16a, MCKM12, NGL10, OHK+19, PCK13, PPD10, RWZ13, SKTC15, SKTC19,

TAA14, UABK16, WW10a, WYN12, WL17b, WZMY18, YLC16, ZSW15, ZM17a, ZHW+18, ZL10b, ZCY11].
multiple-attractor [FNZ13].
multiple-attribute [LS10c].
multiple-GPU [YLC16]. **Multiple-lump** [LM18a]. **multiple-point** [ZL10b].
multiple-relaxation [OHK+19].
multiple-relaxation-time [LSC17, SKTC15, SKTC19, ZSW15, ZHW+18].
multiple-scale [Liu16a]. **Multiplicative** [Uze10, LYN11, LX15b, UCK16, aZW17].
multiplicativity [Tac11]. **Multiplicity** [DSL18, GJ19, LL14b, MV11, MPLR18, PD11, SYY13, YL16, Amb19, BS12a, CW19, HYCP11, HX14, Jal14, Li14, LL16a, LLZ18, Lü14, TJ10, WZF16, WS17, XC18, YWL17, ZXZ17, ZZ18c]. **multiplier** [BGR14, CKK+10, EAAED10, EAA10, EKZ17, Kim15, KPS17, WLW17].
multipliers [KEHB18, PBK19].
Multipoint [AP19b, AIIZ10, AG10b, GK11b, Jaw13].
Multipole [CC15, Che18, QCG15, TXL19].
Multiquadric [CHL18, GWZ11, GW15a, WXF10].
Multirange [KM10]. **multirate** [AKSW19].
multiresolution [FRSC16]. **Multiscale** [DCN+18, IL13, LDS10, SLM16, Tim13, WA19, APwS18, CHLY15, CELY18, CFS17, DWZ13, DLZ17, DLZ19, DC15, DNR13, GGK18, Grm13, ILP14, KW14b, Li10b, Liu16d, MS18, WH14, ZHZ14].
multiscale-homotopy [Liu16d].
multiselection [Als10]. **multisensor** [LZS12]. **multislope** [ZÖXL+19].
multisplitting [ZL14b]. **Multistability** [YY12]. **multistep** [AS11b, BMJ19, Eba11, XZ18].
multisymplectic [MKHC11]. **Multivalent** [ABR10, AS10a, ASMEE11b, EAAED10, Mar11b, ORD11, SK11b, Sok10, YY11b].
multivalued [And12, DKM17, KYR11a, KYR11b, LC11b, Qiu12, RA11a, XZC12].
Multivariable [RMS10, dSCM12, GD12, LSD10, TÇA11, ZDL11, ZZHF12].
Multivariate [Ana11a, BGIN13, LKCN19, MD10, QZY11, Seg19, yS10, WMZW11, XC11a]. **Müntz** [ESL11]. **MUSCL** [KS15b, ZÖXL+19].
muscle [GZ10, LTL+12]. **MUSIC** [Par17a].
MUSIC-type [Par17a]. **Musubi** [QKR19].
mutant [LNP+12]. **mutation** [Gal12, LY12b]. **mutations** [BD11d].
Mutual [CJP12, CJP15, MLY18, SPLHCB14]. **MV** [JKK10]. **MVIM** [YMDZ10]. **Myoelectric** [RIW12].

nabla [Ana10]. **Nagumo** [AAA12, UKYK17, Zha18h, ZS15, ZSY19].
naive [And12]. **nano** [Eba14, PvdM13, RJGS+19].
nano-particles [Eba14]. **nanobeams** [BC15, Kia19]. **nanocantilever** [NGG12].
nanochannel [LZB15]. **nanoflows** [RR14].
nanofluid [AG11, AR17, BTEM19, PZL+18, RSL+18, RKA+18, RBB12, Ran15, REHA11, SRRP18, UABK16, ZJB19, ZSLZ19].
nanofluid-saturated [UABK16].
nanoindentation [CD12]. **nanoinks** [WA19]. **Nanoparticles** [ZAK18b, JFS14, JFS20, WL11d].
nanoplates [WL17b]. **nanoporous** [XLF12]. **nanoscale** [Hei10b]. **nanoscience** [KYAA10]. **nanostructures** [HLY16, PHM+19]. **nanotube** [Kia16, RYK13]. **nanotubes** [Kia18].
nanowires [SKCL19]. **narrow** [LLCG16].
Nash [KJA10]. **native** [BCG17].
native-MATLAB [BCG17]. **Natural** [HSK11, LZL+13, MSV18, REHA11, YWL+11b, AG11, CKSL+14, CCSZ14, GA10, HHM12, Ima17, JZ13, LZ19a, MT10, QZ16, RKA+18, SZP+11, Tro13, XXG10, ZHZ14, ZHJ14]. **nature** [GÇK10]. **Navier** [FZ17, AT17, BT15, BS16b, Bis14, BNP18, BPF13, DM19a, DNZ+13, DLQ16, Dua18,

Ers16, Fis18a, GRBT16, GOS18, GH18, HS13, HSJ15, HZM11, JJH16, JYYL16, KLRW12, LHL12b, Liu16c, MC10a, MM16, PLKC16, PGW19, QZM17b, RTV17, RA19, SMM19, SYI12, SHH16, Wan16a, WMP+19, WH14, XSYL19, Yan18c, YT13, YTZ17, YT18b, ZZ16b, Zha18g, ZWY19, ZP18b, ZP18c, ZS18]. **Navigation** [LLWZ11]. **Near** [AM15, Por18, HR14, Oru19, ySGL+10, SZ14, YH12, YL18a, YCLY15, ZLMZ18]. **near-singular** [YCLY15]. **Near-stability** [AM15]. **near-wall** [YL18a]. **Nearly** [Pan11, BS18a, JKS12, LS16, TPHD18, ZRE16]. **nearness** [LZ19b]. **Necessary** [AD12, ZFZ10b, MGW11]. **necessity** [TMO13]. **negative** [EM14, LZD17, Mar11b, SK11b, WS10b, ZCH14, Zha19c]. **negotiation** [KC12]. **Nehari** [GTC18, QCT17, Tru19]. **neighborhood** [LW11c]. **Neighborhoods** [YY11b, SK11b]. **neighbors** [Pas14]. **nematic** [ABL10, GLR13, GFZ16, LZG13, MMRN12, ZDB19]. **Nernst** [YQWZ19]. **Nested** [ZT13, Hu15, KM14, ZT16a]. **net** [AF13, AM17]. **Network** [BCPS15, CZ10, SLCC12, Ana11a, Ana12, BPKM10, CSSW12, CHY12, DHQ11, FCZ12, Ge10, HHS+10, KS10b, KY11, LYM12, LJYS18, LCT12, LLX+10, MSH10, ORR16, RPTD10, SSESG12, SXB+12, SCKH10, SKH12, TMMASG10, TL10b, VMAVGCM19, YC10a, YLC12, ZH11, Zha11b, ZPS+12]. **network-on-chip** [SSESG12]. **networked** [CMS10, YHZY11]. **Networks** [GACMO13, Ahn12, Bai11a, BV11, BKR11, BR12b, BDPM12, CQLX11, CHY12, CL12c, CCK12, Chu12a, CP15c, CC17, CCP19, Das15, DW18b, DHGF17, DA12, HTGSH13, HB12a, HIS19, HMM12, HCL12b, Hua11, IQR16, KCL12, LLWZ11, LZT11, LHW11, LZC13, Lin11, LRV13, MSA12, MKA+10, PHPK12, PFBL10, SPS+13, SYO12, SD12b, SLXC11, SSM12, SI10, TKH10, Tod12, WL11a, WL10, XC11a, XY11, YYK16, YXP+13, YDK+12, gZnZpZbD12, ZSY14, ZPS+12, dlPBTW13]. **Neumann** [AER12, Arq18, DG10b, HCF16, KSF14, KPG18, Pov12a, RSWZ10, WW18b]. **Neural** [ORR16, Ahn12, Ana11a, Ana12, Bai11a, BV11, BKR11, DHGF17, HPR19, Hua11, HLC11, KS10b, KY11, LHW11, LZC13, MSH10, MSA12, SYO12, SI10, TL10b, XC11a, XY11, YYK16, YLC12]. **neuron** [MRS+12]. **neuronal** [KS15b, RS12b]. **neurons** [CZMZ11, XY11]. **neutral** [AZH10, BD11a, BD11b, BV11, BH10, Can11d, CP15b, CW10b, Don10a, GGEB12, JS11, LW11b, LH10a, LKU10, LWKK10, LZKU11, LY11c, PR11, YX11a, ZYG10, ZZ11a, ZL11, ZJ10c, dSAC11]. **neutral-delay** [ZL11]. **neutral-type** [BV11]. **Newmark** [DM10]. **Newmark-diffusive** [DM10]. **Newton** [Lee15, AS15b, Cha18, CM11c, CW18, CChL14, DNS15, Gal11c, Gon13, KG11, LL19a, LHY11, LBJ10, LHL12b, NZ14, SNH10, SG10a, Śmi11, SL16c, XX17, ZLG18, Zha19b, Zho16]. **Newton-** [Lee15]. **Newton-type** [NZ14]. **Newtonian** [ATO19, DKM17, HHS+17, HZLM10, HWY14, KRCJ11, KDG11, LX16, uHS12, MCR11, Mom11, PM10, REHA11, Sah11, ST14, WH11a, YM13]. **next** [He11]. **nexuses** [THB12]. **NF** [KPG13]. **NFEM** [GS19]. **NHSS** [XWY18]. **Ni** [WRW+19]. **Ni-based** [WRW+19]. **Nicholson** [AY12]. **Nicolson** [BN14a, CY19, DM15, DH18, GH18, HA10, ZLJ+18]. **nilpotent** [YH12, ZL12b]. **Nitsche** [WC15, dPLM18]. **NLEQZK** [ZSAN19]. **NLmZK** [ZSAN19]. **NLP** [GR13a]. **NLS** [ZSAN18]. **NMF** [IK12, YY12]. **NMF-based** [IK12]. **NN** [Pes13]. **No** [CZMZ11, BRR16, GB16, Liu16b]. **No-chattering** [CZMZ11]. **no-flux** [BRR16]. **no-slip** [GB16]. **no-stationary** [Liu16b]. **nodal** [AEH18, CWHW17, Rus16, RC18]. **node** [FF15, FES+19, VMFF18, Wei12b, ZN18,

ZSQ+18]. **node-foci** [Wei12b]. **nodes** [BS17, CQLX11]. **Noise** [BG10b, Bai19, BR12d, BM19, DCKY15, GB18, KTDT17, LD11a, Li18c, LX15b, LHLH15, MX15, MT19b, SM17, TKBMT17, UCK16, XSYL19, YZM+19, YL14, aZW17]. **Noise-induced** [BG10b]. **noising** [BPM12, MSTB17]. **Noisy** [SSK13, ZL13]. **Non** [ABL15, BMAR18, BDO11, BM18c, BK12b, Ers16, GDM13, KPP13, KHWK10, LZ18a, LZZC12, MHM11, Par11a, SP10, SDH15, WF17, Zho16, ATO19, ARK13, AYH17, AR17, AM12c, BH10, BMTV12, BBR10b, BGRV15, BGPP11, BSS18, BE18, BFS15, CGGM19, Cao19, CCJP11, CZN11, CLB14, CL16a, CZL17, CLMM18, CCK18, CT10a, CKR10, DSL11, DHMU16, EAEH18, FZ14, FWZ16, Fio14, FHS18, Gen11a, GHC+15b, GFZ16, GMZ15, HHS+17, HT16a, Hu15, Hu19, HLY16, HZLM10, HWY14, IC12, IW18, JK10, JGK13, JS11, JZL18, JQG14, KP10a, KRP12, KRCJ11, KBAF18, KDG11, KNZ19, LLW11, LA11, LCK13, LZD17, LSS17, LJYS18, LHY18, LM18b, LX18, LZ19a, LZF18, LLP19, LV11, LRTV10, uHS12, MCR11, MGN+16, Mia18, MPGW19, MMH11, Mom11, MS12b, MSFS18, NPR10, OBCG19, OBAAD10, Oru19, PR11, PP14, PT15, PM10]. **non** [QCT17, RMM11, REHA11, RHD18, Rua19, Sah11, SMM19, SKG+11, SDH13, She18a, ST14, SL16c, SST19, SKFG11, SR18, SKH12, Tia19, TAA14, WH11a, WWB13, Wan16a, WL17a, WHS17, WZ18a, WBZY18, WW19c, WZG19, WL10, WY11b, XGH17b, YY15, YJ19, YTF10, YL14, YLG17, YM13, ZCSG13, ZZ16a, ZTZ16b, Zha18h, ZZL15, ZZ16c]. **non-absorbing** [RHD18]. **non-alternating** [LHY18]. **non-arbitrage** [CCJP11]. **Non-Archimedian** [SP10]. **Non-auto** [WF17]. **non-autonomous** [CZN11, CZL17, LLP19, PP14, WL17a, WZ18a, WW19c, YL14, YLG17, Zha18h, ZZ16c]. **Non-body-fitted** [LZZC12]. **non-chaotic** [OBAAD10]. **non-compact** [CT10a]. **Non-conforming** [SDH15, WBZY18]. **non-connected** [EAEH18]. **non-convex** [CCK18, MSFS18]. **non-cooperative** [CL16a]. **non-crystalline** [SKH12]. **non-delay** [WL10]. **non-dissipative** [LSS17]. **non-equilibrium** [JQG14]. **non-exhaustive** [WY11b]. **non-existence** [QCT17, She18a]. **non-extensive** [LZF18, WZG19]. **non-Fickian** [KRP12]. **non-flat** [IC12]. **non-harmonic** [LCK13]. **non-Hermitian** [Cao19, FZ14, FWZ16, GHC+15b, LM18b, Mia18, WWB13]. **non-homogeneous** [AYH17, CLB14, Wan16a, ZZL15]. **non-ideal** [BSS18]. **non-integer** [AR17, CKR10]. **non-integrability** [LV11]. **non-integral** [Gen11a]. **non-isoparametric** [Rua19]. **non-isothermal** [GFZ16]. **non-linear** [BMTV12, BGRV15, BGPP11, Fio14, IW18, JGK13, LLW11, MGN+16, MS12b, OBCG19, PR11, SL16c, SST19]. **non-Lipschitz** [BH10, JS11]. **non-local** [ARK13, HLY16, KP10a, YY15]. **non-locality** [Hu19, LRTV10]. **non-Markovian** [LJYS18]. **non-matching** [BE18, HT16a]. **non-monotone** [Tia19]. **Non-monotonic** [ABL15]. **non-negative** [LZD17]. **non-nested** [Hu15]. **Non-Newton** [Zho16]. **non-Newtonian** [ATO19, HHS+17, HZLM10, HWY14, KRCJ11, KDG11, uHS12, MCR11, Mom11, PM10, REHA11, Sah11, ST14, WH11a, YM13]. **Non-normal** [BK12b]. **non-orthogonal** [BFS15, CLMM18]. **Non-oscillation** [Par11a]. **non-oscillatory** [LX18]. **Non-overlapping** [BM18c]. **non-parametric** [Fio14]. **Non-periodic** [KHWK10, LZ18a]. **non-periodicity** [BBR10b]. **non-preemptive** [LA11]. **Non-prismatic** [BMAR18]. **non-radial** [ZTZ16b]. **Non-recursive** [KPP13]. **non-smooth** [DSL11, DHMU16, JZL18, KBAF18, LZ19a, SDH13, YJ19, ZZ16a].

Non-standard [MHM11, MMH11, RMM11, SMM19, XGH17b]. **Non-stationary** [Ers16, CGGM19]. **non-strongly** [PT15]. **non-symmetric** [FHS18, YTF10]. **non-traditional** [WHS17]. **non-traveling** [GMZ15]. **Non-trivial** [BDO11]. **non-uniform** [AM12c, JK10, KNZ19, MPGW19, Oru19, SKG+11, SKFG11, SR18, TAA14, ZCSG13]. **non-uniformly** [NPR10]. **nonanalytic** [DBS12]. **nonautonomous** [BCF13, CTA12, TZWM10, TZG10, WW18a]. **nonbreaking** [FER15]. **nonclassic** [Dua11]. **noncommensurate** [JC12]. **noncompact** [CLCF14]. **noncompactness** [MN10c, MKPS11]. **Nonconforming** [GLZ18, KDU15, SWL15, ZMFL18, GS15b, HMWZ16, Li15, QCLC17, RA11b, SSL14, ZS13, ZY19]. **nonconservative** [YÖ10]. **nonconvex** [ALI11b, Bai19]. **nondecreasing** [LZ11d]. **nondifferentiable** [AT11, Ant10]. **Nonexistence** [AJS19, JKS18, JPK18, XWY11]. **nonexpansive** [AE12a, Buo11, CGY11, CGHY11, CS10c, CS11d, CS11b, KK10a, KK11b, KKS10, KA10b, KYO10, KYR11a, KYR11b, KT11b, LjHO10, Mai10, Mar11a, Nil11, Pir11, QHW11, She11, SCC12b, ZS11a, ZLL11]. **nonhomogeneous** [CHZ19, DMV11, LWBW13, MR14, WW18b, ZZ18b, dSSV17]. **noninteger** [MCP13]. **Nonlinear** [CFN11, FP19, GF16, LXP11, LS12a, LS12b, MBS17, MH11, MG15, MTAS17, SW10, WZF12a, YK18, YWHC11, Aba10b, Abb11, AM13a, AIA13, ABJ11, AW11, ATUC15, AÇT11, AA15, AJAR18, ABCR10, AER12, APwS18, Asl11, APTZ19, BMRA10, BM11a, BD11b, BR12a, BAO+12, BCC14, Ber12, BDGS13, Ber16, BC10, BG10a, BE12, BDO11, BWZ16, BB08, BGL+15, CL11, Can11d, CH11a, CCR16, CCRS17, CGY10b, Cha11a, CN13, Cha11b, CC19, CDW11, Che11d, hCTM11, CLTA11, CM11b, CQ13, CW18, CCZ18, Che18, CAP10, Chu11a, CP16c, CCP19, ĆSCD11, CRRS11, CFF15, Cve11, DWY15, DL10, DN18a, DAM14, Dem10b, DG10b, Din13, DL14, DSM18, Don10a, DLC19, DC10, DL18, DCRL13, Dub13, DNR13, DZ16, DDK11, EO14, ESN10, EZRR10, FM19, FT10, FSHZ11, FN14, FH16, FIW17, FIS18b, FP18, GCR+18]. **nonlinear** [GRBT16, qGpWhL11, Gen11b, Gep16, GMZ15, GW15b, GML17b, GTZ19, GM11, Gur13, GN11, HH16, He11, HmZ11, HYCP11, HP17, HS12, HB12b, HA18b, HHGA19, HXL11, Hu18, Hua10a, HTWS15, HM15, HM19, HD19, Ibr11, Iom18, JKK11, JGSS10, JKK12, JKN10, Jan10, JPB11, JJC11, JPK18, JMB10, JJ19, JKS18, KA10a, Kar10a, KL12a, KK13a, KK15, KFYW11, KW11, Kig10, KJ11, KG11, KPK18a, Ku15, KS12b, KCK19, KY10, LX10a, Lan12, LK15, LKS10, LC10a, LK14, LR14, LHY11, LLZ10, LCN10, LCP10, LZC11, LW11a, LS11a, LY11a, LZ12a, LZWC16, Li17b, LX17, LD18, LZ11e, LK18, LBJ10, LC11b, LKU10, LWKK10, LJ10b, Liu11a, LXK11, LZKU11, Liu13, LLY13, LHL15, Liu15a, LDL+15a, LL15, LZ15b, LDL+15b, LTJ+16, LC16, LL16d, LW18b, LLLW18, LWSL19, LW19b, LGVS19, Luo18, MZ10, MX10, MM10a, MKHC11, MPZ11, MC10b, MN11a, MTM11]. **nonlinear** [MBH11, MAS11, MPfTX18, MAST18, MV11, MP19c, MDL18, MI16, MM18d, MGB+11, MLGY16, Mor13, MY13, Ned12, NDT11, Oru17, Ouy11, ÖZ11, PZA19, PPD10, Pit12, QAA+16, QZM17b, RKP12, RMA10, RY11, RZ16, RA18, RKF18, Ray16, RG11, RTV17, SNH10, SD15a, SLK12, SD12a, Sam19, SCSF19, San12, Sea14, Sea15, Sea16, SIL19, Sed13, Sha18, SMDI18, SNDK18, SBS12, SG14, SS14a, SD19, SG11b, SZGG11, SW17, SGZW18, SG16b, SG10b, SLYY13, SM14, zSdZ10, Sun10, SLL12b, SRG16, TN11, TZZ11, TTG16, Tan17, TTM19, TG11, TG14, TF17, Tao18,

TS11a, TAS11, TA11, TÇA12, TY16, THY+10, TTC14, Tur10, WKG10, WHS11, WhJxLwW11, WWW11a, WWW11b, WWA11, Wan11, WAZ11a, Wan12, WKS13, WL15, WV16, WC17, Wan18, WH18, WLL+18, WZG19, WS10b, WFL11a, WAW15, cW11, WCLD18, XWY11]. **nonlinear** [XY15, XYXZ16, XC18, XZ18, XY10, XGH17a, XGH17b, XXH18, Yan12b, Yan15, YGS+16, YZ18, YQWZ19, YC10b, Yaz11, YP10, YAS+11, YMLL18, YTC+18, YASK10, YLDL11, YSB15, YHC18, ZA10, ZLW10, ZM18, ZYG10, Zha10, ZQ11a, ZBF11, Zha11c, ZS11b, ZD11, ZHJ11, ZGW11, ZLL12, ZLL14, Zha17b, ZM17a, ZLT18, Zha19a, ZY19, ZCH12, ZL12a, Zha14, Zha18i, ZW16a, ZJZ18, ZWJ+11, ZW11d, ZLW19]. **nonlinearities** [AAZ10, BS16a, Gao17, GKLR11, LS17a, Luo19, MAST18, Sha18, SK11c, ZJ10b]. **nonlinearity** [ARK13, CT18, D'A18a, DZ21, GM11, HY10, HGW18, LRZ18, LLY13, MF18b, MF18a, ML19b, NT17, QAA+16, QHT16, Sea11, SMBY10, Su12, Tan17, Tru19, WS12, ZTZ16a, ZLG18, ZT16b, ZT18a, ZW11d, Zho19]. **nonlinearly** [AG10a]. **Nonlocal** [Kia18, Tod15, WZWX11, ZL10b, AW11, AAD17, AT18b, AT19, ABLS15, AG10b, BK11a, BKT11, BS16a, BL18, BC15, CW19, CP15b, Cha18, DG13a, DPBL16, DB11, DS18b, DSL18, FG18, GJ19, GF16, Goo11a, HLWX11, JL11a, JKS18, KSZ18, KB15, KHF+19, LGHR16, LSW10, LS19b, LZ14, LLZ18, LH10a, Liu13, LYZ17, LWSL19, zLYLQ19, LDG19, MA17, PH19, Pov19, QRMH18, Saj12, Saj14, SW12, SOK19, uIAA15, SZW11, eT10, Tia19, Tod18, TNHK19, VDB13, WC10b, WF17, Wan19b, XZR16, XSYL19, XZ19, YW10, ZLY14, ZZWG16, ZCZ17, ZLG18, ZL19a, ZSW19, ZWMD16, ZcHS18, ZG18a, ZLY17]. **Nonmonotone** [AA10a, HSD10, BDS17, BWL18, DKM17, TNP17]. **Nonnegative** [JD12, Mis14, BM13b, JL11b, YXX11]. **Nonnegativity** [DGZ13]. **nonnormal** [KSKK11]. **Nonoscillation** [MR10, FL10]. **nonoscillatory** [LKU10]. **nonparametric** [LWWY12, QZY11, WZ17a]. **nonparametric-based** [LWWY12]. **nonpolynomial** [SKM11]. **nonrectangular** [AD19a]. **nonrigid** [PZJ+16]. **nonself** [KT11b]. **nonseparable** [Ali15]. **nonsingular** [HWXC16, LM18b, SS16b]. **nonsmooth** [LW13, SbX19]. **nonsmoothness** [FP19]. **nonstability** [BPX11]. **Nonstandard** [YZMZ16, AGPCC10, CLM12, CLM14, Gur13, Lóp19]. **nonstationary** [GH18, Ngo18]. **nonsteady** [BPR18]. **nonsymmetric** [AT18a, BJS15, CM16a, CBS18, HH11, HWXC18b, LZ15a, LBW11, SJHC14, Tan18, YH15]. **Nontrivial** [ESN10, CCX13, QCT17, ZJ17]. **nonuniform** [LNW19, PC17, WCQ+19, YT13]. **nonzero** [KMT10]. **Noor** [Lee11a]. **Noor-type** [Lee11a]. **Nordhaus** [AH10c]. **Nörlund** [Bor10]. **norm** [AHV10, CCKP15, DCKY15, GWL11, He16, HM17b, Ipe12, Izs15, KSKK11, NDT11, NCC13, OÖ11, WWW14, WZ10]. **Normal** [BZKR15, BS18b, BK12b, LWC13, MSQ+11, SLK12, XHH+19, hYlLL11]. **normalistic** [SA11b]. **normalization** [WC11b]. **normalized** [HP10, MN10a, XC18, Ye17a, pZ10]. **normed** [Deb12, GKK11, MME10, SP10, ŞGY11, Yil10]. **norms** [BX10, CHBTD14, EM14, FM18, FR16, HR19, Liu11b]. **North** [RB19]. **Note** [BPX11, HKS14, Jun10, KK11a, ZYY10, AR10b, Ban13, BMY13, BY11, CTP10, CSW11a, CHS19, FDB13, Hai10, JS11, JY11, Lee11c, LFJ12, Min11, MT18, Özu15, RR11, SAIZ15, Tom11, Von11, WC10a, XZ10, YT12, YH11a, YS17, ZLZ10, dPLM18, uRK11]. **Notes** [BG11, CM11a, hCTM11, fDxZ11,

GDZ11, HLY12a, zLZ19, NKA18, PV12, WWW11a, WYG12, Wan13a, XWH16]. **notice** [JL20, JFS20, Pen11, SK12]. **Novel** [CM13a, CP10, LB11, LWW19b, Man18, SYO12, CCKY12, CAC14, DCG+12, FPW+11, GLLC19, HT18, HT12b, JZR15, KSPP11, KCL12, LW11a, LLFT17, MS17, MBKK10, OMS10, Par17b, QCYL12, Sha12b, TT12, Von19, WC11a, WLZ+18a, WZC+19a, XFH19, yYsZyYL13, ZA15, ZLPM13, ZCY16, ZLGL11]. **November** [Ano18-60, Ano18-63, Ano19-60]. **nozzles** [FLZ14a]. **NSFD** [MW13, Was13]. **NSGA** [LLW10]. **NTP** [ID10, JW05]. **nuclear** [GIMZ14]. **Null** [Gao15, YT18a, HKK+16, ZG14]. **null-solutions** [HKK+16]. **nullcline** [HNK13]. **nullcline-based** [HNK13]. **number** [AH10a, BC11, BR12c, Bri10, CKMR11, sCYhX18, DZW+15, Dol11, Far11, GCG12, GOGYL+11, GSD+19, HVA10, HP19a, HL12, IB10, Koj10, KP10b, LHH10, LYN11, MKL11, MMR10, MMR11, Ned12, NM11a, NDC+19, PDN19, QZ11, WW10b, Wan10b, XY11, ZM14, ZD15]. **number-valued** [BC11]. **numbers** [BBC+11, BS16b, CHM+10, Cvi11, Dia17, DRS11, EMRS12, GSS11, HBK+19, Haz11, Ipe12, KSKK11, Li10a, LLL11, LH12a, NM11a, Sae11, Sun11, TD10a, VP11, XCXW10, ZP10]. **numeric** [DR12, EZM12]. **numeric-analytic** [EZM12]. **Numerical** [AB10a, AM13b, ABK+13, BMAR18, BPM14, BDS17, BCFQ19, BRFH16, BGRV15, BSL11, BGP13, BMSS18, CM10a, CYP16, CCJP11, CHXL18, CLTA11, CLB14, CM18c, CR13, CLJ11, CJPB10, CFF15, CS13, CLL11, CM10c, DNS16, DA16, DZ18, DGT18, DSL11, Dun18, ESL11, FSRB15, GGM+13, Gen11a, GIM15, GTL16, GMI11, GDF12, HB19, HGHA19, HKI12, HHS+17, HJD15, HPR19, HTL10, HLL+15, HCLL18, HD19, HZLM10, IB11, JO19, KMT19, KMRN12, KSF14, KKSK18, Ku15, KLRW12, LS10a, LK13, LZC11, LDW11, LS11b, Li16b, LFC16, LGH+11, LHM11, LZB12, LvS15, Mai16, MC11, MTN19, MM18b, MAS11, MP19a, MD15, MEAMHHV18, OHK+19, PDN19, PN16, PvdM13, RS12b, RBB12, Ran15, RA18, RSB14, RCG15, RRO17, RZZ19, SSS16, SD10b, Sal16, SHM13, SYI12, uIAA15, Sou11, SM10, SM14, SK14b]. **Numerical** [TY13, UABK16, Vel15, Wan19a, XFH19, XWN11, XHA13, XWL18, XHH+19, YYK16, Yan18b, YJ19, YZ15, YTC+18, YSS11b, ZA10, ZZWG16, ZLTY16, ZTY+19, ZLA17, ZSD10, dBD17, AD15, AJRWS12, AJAR18, AM14a, AHO16, AS11b, AWJH19, ATH18, ABSV18, AB16, AGPCC10, ASSV18, AuIK11, BM11a, BC16, BHM19, BA11, BBDS11, BP11b, BMTV12, BPS18, Bho14a, Bho14b, BZ18, Bic11, BR12c, BM18d, BHJ14, BN14b, Boy16, Bra10, BMP15, BK12b, CCR16, CD19, CCRS17, CC11, Cie13, CJ15, CJCV10, CJRR11, Cos18, CN11, DMP18, DGL12, DGZ13, DD19a, Def10a, Def10b, DAM14, DM16, DNP15, DTR19, fDxZ12, DFW+18, DNR13, DHMU16, EMQ18, ECJ16, FJC16, FGHZ13, FER15, FSB17, FGL10, GSI19, GMP18, GHT+15, GR13a, Gha18, GY11, GALO18, GDM13, GW15b, HCL12a, HG18a, HY16, HO19]. **numerical** [HHNLGC18, HA16b, HLY16, HT16b, HKW15, ILS13, JKN10, JL17a, KP18, KMS10, KV17a, Kat11, KHF+19, KAS11b, KB13, KSMN11, Kup10, LLJK10, LBZL11, LY12b, LJSK13, LZ16a, LSZ16, LNW19, Lin14, LLG10, LCWZ18, LRBA15, LSV18, LDY11, LDL10, MDRRV11, MKR12, Mar16, MGY11, MMFT+19, MN10a, MT19b, OTiSY16, Özu15, Pan11, PMM17, Per18, Pet11, Por18, RKP12, Res16, RTRR18, RTL19, SSM+17, SCSF19, SS14a, uIAH10, SKTD13, TS14, TMDTTC16, Tom11, UKA15, VGK+16, VA10, WW14a, WRY18, WKBR18, WZKY12, WHW11, XG10, YT18a, YYYH19, Yüz11, Yüz12b, ZTR11,

ZLPM13, ZH15a, ZZLB18, ZHS+19, ZYZ11, ZL12a, ZD12]. **Numerically** [BDM19a, DH17, JL19, JL20, MBHV10, Oru19, TC10]. **numerics** [MUB+16]. **NURBS** [HH18b, Kar17, SH18, WZ16, WZC+19b]. **NURBS-enhanced** [WZC+19b]. **Nutrient** [MKG13, DKG14, XBHN16]. **nuts** [Hua12]. **NVIDIA** [LYC15]. **Nyström** [AOW18, DLS14, KMS10, KAS11b, MBJ16]. **Nyström-based** [AOW18].

O [Pan17, ZAK18b, XA13]. **object** [HH18b, HCL12b, LKK12, Med12, YC12]. **object-oriented** [Med12]. **Objective** [GACMO13, BMM12a, CCFV12, DM12a, DMPV10, GWL11, KGJ11, Li12b, LBH+12, dCMdSGTdC+16, RPTD10, RFP11, RF12, Smo17]. **objects** [CHS18, KLMV12, WYY11]. **oblique** [LHM11, WL11d, WCH13]. **obliquely** [LFC16]. **oblivious** [HSMY12]. **observability** [Guo12]. **Observable** [GD12, CCJP11, Gal10b]. **observation** [CS14b, ZL19a]. **observations** [CLJ11]. **Observer** [Yan12a, CZY13, JCWZ16, LZY12, THY+10]. **Observer-based** [Yan12a, JCWZ16]. **obstacle** [AD16, BS14a, BS15a, BLS18, BV17, GG18, GM19, LK14, eOS18, ZSZ18]. **obstacles** [DJD18]. **obstructed** [ASFM15]. **obtained** [AHF10, Krn12, SKST10]. **Obtaining** [GH14, ED11b, HM15, TCM18]. **obtuse** [KYW+18]. **ocean** [eMA18, FIW13, LPLR19, Liu18b]. **oceans** [LZ19c]. **octahedral** [HR14]. **Octave** [FRAK15, JRA+18, RAW+16, Váz16]. **October** [Ano18-58, Ano18-59, Ano19-56]. **octopus** [KBGC12]. **octree** [QKR19]. **odd** [HL11a]. **ODE** [CP16b, HL11a, RY11]. **ODEs** [ATUC15, FRSW11]. **OEMA** [WCD10]. **off** [Ikh11, MS15, SRS11]. **off-step** [MS15]. **offset** [LCT12]. **offspring** [ASB12]. **oil** [Mok11, WHD14]. **old** [PBS12]. **Oldroyd** [FZBF10, FAIV10, JKZ11, LZZ11b, SISH12, WSW11, YZ19, ZJB19]. **Oldroyd-B** [FZBF10, FAIV10, JKZ11, LZZ11b, YZ19, ZJB19]. **OLSR** [KHIB12]. **on-demand** [JCZZ13]. **On-diagonal** [Wu18b]. **On-line** [CQ11, ZZXY12]. **On-site** [LLL13]. **One** [THC+18, ADS14, Bac14a, BQS16, CNV14, CWH13, GGR15, GYH11, GK11a, HBE15, HW11, HA10, KYR11a, KYR11b, KL12b, KPG18, LW10, LCW17, Liu18c, MY16, MMRN12, MBS17, Mai16, MHL11, Mor13, RNQ13, SD15a, TT14, WZH10, WCW13, ZY10a, ZY11, ZD12]. **one-** [HA10]. **one-dimensional** [BQS16, CNV14, CWH13, HBE15, KPG18, MMRN12, TT14, WZH10]. **One-point** [THC+18]. **one-predator** [ADS14]. **one-sided** [ZD12]. **one-step** [KYR11a, KYR11b, Mai16, Mor13]. **one-time** [LW10]. **one-variable** [GK11a]. **Online** [KWPK13, KSMT11, LLD10]. **only** [HW11, Kup11, Tsi11, Wei12b]. **onto** [DVM12]. **Open** [KW12, ACE17, CV14, CHH14, HMP+15, HT12a, LVF+16, LWBW13, LSZ11, Par17a, YZ15]. **open-channel** [CV14]. **Open-loop** [KW12]. **open-source** [HMP+15]. **OpenCL** [KB13, MSZG17]. **operating** [PTL13, SKH12]. **operation** [ZLY+13]. **operational** [DBEE11, ED11b, KKBR19, KMRN12, LS11b, MKR12, SD10a, VBCJ10]. **operations** [ASN11, GXZ10, Ji14, JTCC11, SA11a]. **Operator** [BCF13, GR19a, AM10a, AES11, AS10a, AS10b, AS11c, ASMEE11b, AKA11, BCK11, BX10, BD11c, CH11a, CGHY11, Che14, CWY19, CH11b, DG13a, FRAK15, Fra11, FMPR15, FBB10, GTG11, GSD+19, GNP14, Hu15, KSJ12, Lad16, LY12b, LG12, LS10c, LJX12, Lup11, Mar11b, MPY16, ODR10, ORD11, ORR16, PA12, QYL10, RAW+16, SPL19, San12, Sat11, She18b, SRM11b, Sok10, Tac11, Tod15, TDM13, VLJH18, tWqLzGkP11, WL13a, WWW14]. **operator-difference** [AKA11].

Operator-splitting [GR19a]. **operators** [AD10a, AD11a, AM10c, AD10b, BK11a, BC11, BM10b, BM11b, Ber12, BBD10, CMGR11, CGY10a, CT10a, CDD12, DK12, Dra11a, Dra11b, Gao12, HT12a, KD10, KD11, Kir10b, Lad16, Lam12, Las10, LS10d, MB11, Mah10a, Mah11, MCP13, MKL11, MKPS11, NPD17, NNAS11a, OÖ11, PB12, Qiu12, RA11a, RRGTV10, SOJC10, UBF11, VSI12, WD10, WXF10, WZWX11, XJLX10, Yao10, ZM18, ZC10, Zha11a, ZSS10]. **opinion** [MB17]. **opponent** [KSM12]. **opposite** [Abd18a]. **opposite-bordered** [Abd18a]. **opposition** [DWI+12]. **opposition-based** [DWI+12]. **Optical** [KY10, Hei10b, HTWS15, KB10b, LTSW16, YTC+18]. **optical-fiber** [HTWS15]. **optics** [MPfTX18]. **Optimal** [AMA14, AR10c, AIIZ10, AT19, BO10, BMM12b, BBO10, CL12a, CRXL15, DH18, DMV11, FMPR15, GRW14, HLZ15, IIHI10, KYA15, LS11c, LSS17, LMZ17, LZF18, MP10b, MM16, Mop11, MN11b, MT19b, PM10, SISH12, SV11, SBA10, Sul16, TZ18, UKYK17, VMAVGCM19, Yil19, ZHT11, ZSY14, Zha13, ZLG+10, Akm15, Ala10, Als10, AEG11, ADS14, BNTT14, BQS16, BC17, BPKM10, CCN14, CY14a, CLH13, CHLY15, CHL18, CCK18, mCfX10, Chu11c, DL19, DO11, Def10a, Def10b, DRZ10, EF14, EG10, EE18, EUTS18, FHH13, FES17, FGHZ17, FES+19, FOS19, GK11b, GSR14, GM18b, GS15b, GS19, GNP14, GH18, GD16, HKI12, HM10, HK15, HR14, Hou15, HLY17a, Ibr16, IIHuI10, IBSS11, JLL18, Jum10, KBS11, KM12, KP19b, KKL16, KKL+13, KRBS18, LCH19, Li10b, LZZ18, LXP11, Liu15a, LDY11, MH11, MO14]. **optimal** [NMR15, NCC13, eOS18, Pan11, PA15, RGVR17, SAIZ15, SBS12, SbX19, SW16b, Tod13, TC10, VCM11, Vel15, WZWX11, WX18a, XL15, YMSL11, YC11, YLH12, YSB15, ZZ10a, ZG16, ZZX16, ZP18c]. **Optimality** [Mar12, CNV14, CGH14]. **optimally** [MS18]. **optimisation** [KTH13, Tod12]. **optimistic** [HCL12b]. **Optimization** [BR16, CCCW10, GGGR13, KP19c, Laz10, MCP13, TM19, VBW10a, VBW10b, APT11, Ahn12, AA10a, AG10a, AGDP19, AdSSS19, ABSV18, BMS19, BBO10, CI18, CChL14, CCFV12, DCG+12, DK14, DMRS18, DNS18, DLQ16, DH10c, EHO+12, FJB19, FLH10, FL11a, FBL11, FMP19, FLWJ11, GYTD12, GYH11, qGpWhL11, GALO18, GWL11, HSD10, HGJP19, HRMS10, HRMS12, HB12a, HM17d, HWY14, JPCY13, KGJ11, KM18, KL12b, KMS15, KFTT13, LWR16, LLH14, LYJ15, LG17, LY12b, LTX+13, LH19, LLH10, LGL+14, LW18c, LFZ19b, Mar12, MHL11, OMS10, PH13, PW10, PG10, PM10, PSS18, RR11, RGdSRLAJ10, SLMZ12, SJS+10, SW10, TWLYÖ10, TTC14, VHPVNXW18, WXYW11, WWZ12, WQRZ14, WZ17b, WMW13, WQNF12, XLZW11, XDL12, Yoo17, ZB19, ZLGL11]. **Optimization-based** [BR16]. **optimize** [CIN+18, LCW12, RJGS+19]. **Optimized** [DSK+14, KZ16, KAS11b, LKLP12, Mah14, SB14]. **Optimizing** [SXB+12, YS19b, LBH+12, YW14]. **Optimum** [GGGR17, HT12b, SKH12]. **Option** [GSS11, CWW15, CW14, CM18c, CKM12, CJPR10, CJPB10, CEJV16, DT17, ECJ16, ELS11, FSRB15, FSB17, GW15b, HZ16, HLvS18, KKT13, KCC+13, LvS15, MvS18, Moh15, Tha19a, YKA18, ZM16b]. **Options** [KDU15, ACAS11, ASSV18, BS10b, BC16, CXZ15b, CWDL17, CWY19, CGK14, Ciu11, DNS16, DH17, GLW18, HMV18, JYK16, Lee14, LW17, MZC17, MVKK14, SL16b, TC16, ZLTY16, ZBL12, ZH18b]. **Orbit** [Lam13, WX18b]. **orbits** [CT11b]. **Order** [GGAVRC+19, ABM11, AM13a, ABT19, AZ17, AEH18, ADGS18, AHV10, AAZ10, ATUC15, Akm15, AÇT11, AH11a, AJ10,

AJ11, AJ12, AS11b, AK19, ABL10, ATH18, ALI11b, Bac14b, BD11a, BD11b, BQ17, BMA11, BPM14, BLS18, BEAA11, BGIN13, BCK11, BDS10, BS16b, BBBM16, BZ18, BC10, BQS16, BG10a, BZKR15, BDO11, BDHR18, BWZ16, Bra16, Bra10, BS18b, BGM19b, BC17, BPX11, BMH19, BS17, CKSL+14, CCKP15, Can11d, CLT+13, CY14a, CGHW14, CO15, ÇT12, CW17, CB11d, CF16a, CM11c, CT11b, CLTA11, CLB14, CW14, CT17b, CS14a, CTM+13, CFdM+18, CM16c, CM19b, CSN11, CM14, CX18, CDD12, CT17c, CN16b, CKR10, Cvi11, DYH11, DZW16, DLZ17, DGTC13, DL10, DGL12, DN10, DN18b, DM18, DL19, DH11b, Dem10a, DG13b, DFG19, DGLS19, DGT18, DT17, DGK10, DBEE11]. **order** [DLS14, Don10a, DFW+18, DM19b, DC10, DFP+13, DNZ+13, DR12, DHGF17, ED11a, EKS10, EK13, ESN10, EOM11, FDB13, FM19, FN14, FZL+18, Fis18a, FM12b, FR16, Fu19, FKDN15, GY15, GM18a, hGzS15, GP11, GK13, GTG11, GK11a, GK11b, Gha18, GY11, Git14, GMI12, GS11b, Goo11b, GGEB12, GKM11, GGT14, GL16, GKS10, GJ10, GM11, GH10, GH12b, GH13b, HY10, HK10, HSD10, HLWX11, HS11a, HH17, HEP10, HLL13, HO10, HL11a, HL11b, Hes14, HZ11, HVO17, HM18a, HKKK13, HTV13, HHGA19, HGN+10, HLL+15, HG18b, HF10, Hua10a, HK17, IMD11, JGSS10, JA11, Jan10, Jaw13, JMB10, JW18a, JW18b, Jia12, JL18, JZ12, JC12, JZL18, KO11a, KJK18, KBS11, Kar10b, KM15, KKBR19, KS12a, Kig10, KG11, KPS17, Kim18, KS15a, KHF+19, KPG18, KB13, Ku15, KS12b, KK14c]. **order** [KS15b, Kun12, LZ11a, Lan12, Lee15, Lee16, LZ10, Li10e, LCN10, LCP10, LF11c, LW11a, LL11, Li12a, LLC13, Li16b, LLFT17, LCQL17, LLY18b, LKCN19, LM19a, LZZ19, LJ10a, LMLB19, LLY10, LKU10, LWKK10, LXK11, LZKU11, LHF11, LZY11, LCZ11, LL12e, LHL14a, LX15b, LDL+15a, LDL+15b, LZJY16, LZLL18, LLLW18, LLYL19, Lóp19, LCC13, LYSZ19, LLX11, MX10, MKHC11, MB11, Mac12a, MCP13, MV10, MT12, MDG19, MPY16, MJWD19, MP19b, MNPD15, MHM11, MRS+12, MM18d, Mor13, MBJ16, MM19, MB10b, NLA19, NPD17, Naw11, NCV+18, NHH13, NH15, NZ16, NNAS11b, NB17, OSZP13, Ouy11, ÖZ11, ÖKJR19, PN10, PCO16, PC17, PS16, PR11, Par11a, Pet11, QZ16, RZ17, RSDR11, RES10, RR18, RG18, RCH19, RQ18, RR19, RR14, SD10a, SD10b, SMF10, Sal16, Sal10, STC18, SBvdV13, SAIZ15, SDH15, Sea11, Sea15]. **order** [Sed13, SG14, SL18b, SXM11, ySW10, SLW14, SW12, SGZW18, SSP13, SV11, SW11, Sou12, SKM11, SZ11, SK11d, TJ10, TZWM10, TZZ11, THC+18, TMDTTC16, Tod15, TT14, Tre18, TC10, TMSO12, TM10, Tsi11, VLFS12, VRD11, WHS11, WS11a, WWA11, WW11c, Wan11, WJ11, WRW13, WV14, WZM+16, WTM17, WLL+18, WW19b, WZC+19a, WLZ18b, Wei14, Wei17, WGY+18, WX18a, XZC12, XY15, XZ18, XY10, XH11b, XC13, XW18, YXS10, YY10b, YX11a, Yan11d, xYsHjL11, Yan15, YZX18, YZM+19, YZY10, YC10b, Yas12, YWH14, YTZ17, YSS11a, Yüz11, ZA10, ZSAN18, ZR18c, ZA15, ZSH11, ZYWZ17, ZFZQ10, ZJ10b, ZYG10, ZS11b, ZTH11, ZGW11, ZQ11b, ZL11, ZLL12, ZLPM13, ZCY16, ZY17c, ZLJ+18, ZL19a, ZHL12, ZZX16, ZM16b, Zho19, dVDR18]. **Ordered** [AR10d, Ali11a, AKS11, APS12, CSW11b, ĆSCD11, DGB10a, DDD10, GRS12, HLS11, KPR10, NS11, Qiu12, RK10, SK10a, Sha10, SS11c, SCK11]. **ordering** [Ste16]. **orderings** [BS11a]. **orders** [BR12a, BMJ10, CDG15, GW15a, JC12, KAJ11, THD19]. **ordinal** [LLH10]. **ordinary** [AJY13, LeT10, Li10e, LF11c, RSDR11, SBEB10]. **organ** [LWHL12]. **organic** [ZZHF12]. **organizing** [Bur13, JWX+13]. **Orientation** [FKDN15, Loh16, LC12b]. **orientations** [AGH+15]. **Oriented** [Ste16, AGDP19,

BDM+19b, BWZ16, DPM15, Med12, SWOF19, TYY+12, XSLS11]. **orifice** [YCS19]. **Origin** [TMO13, WCH18]. **originating** [KS15b]. **Orlicz** [Haz11, HCF16, Yao10]. **Ornstein** [Li18d]. **Orthogonal** [APRM11, YZX18, BT10, BFS15, CLMM18, DA18b, ED11b, FSZS18, MS11a, QX19, XSLS11]. **orthogonality** [RES10]. **orthotropic** [FG18, LTT13]. **oscillating** [Çak11b, CHLY15, FAIV10, ZLZG11]. **Oscillation** [BD11a, BD11b, BB10b, Can11d, Don10a, Dos12, FL10, HEP10, Hua10a, LLY10, LZY11, ÖZ11, RM17, YX11a, ZYG10, ZGW11, ZQ11b, AAZ10, AK10, CDM12, DDK11, GGEB12, KÖ10, LXK11, LS12c, Par11a, SH18, SK11c]. **oscillations** [BCD+16, BG10b, FT15, HF10, LvS15, MNPD15, OSZP13, Yaz11, YAS+11]. **oscillator** [ArEM10, CL11, hCTM11, CKR10, FT10, Gen11b, MMMG12, RKP12, RSS10, ZLW10]. **Oscillators** [Cve11, CT10b, EZRR10, HM10, RG11, YASK10, ZQ11a]. **Oscillatory** [GDM13, ANP19, KAS11b, LX18, PR11]. **Oseen** [BLyS18]. **osmosis** [YTF10]. **osmotic** [CIN+18]. **Ostrowski** [Ana11b, Dra11b, FM12a, HN10, KBS11, Sar10, SS11b, Set12, TD10b, Von11, XZL10]. **Ostrowski-Grüss** [FM12a, TD10b]. **Ostrowski-like** [HN10, Von11]. **Ostrowski-type** [XZL10]. **other** [ZSAN18]. **Otsu** [LTL+12]. **outcome** [KSM12]. **Outer** [AK11, Ji14, Pet14]. **outflow** [HMF+19, Yan13]. **outflow-explicit** [HMF+19]. **outliers** [WL11b]. **output** [LZT11, ZDL11]. **outputs** [Tol12]. **over-penalized** [ZCW15]. **over-relaxed** [Hua10b, Ver08, Ver12]. **over-represented** [fLcJ10]. **overcoming** [Cho17]. **overdetermined** [Gon13, hRWH18]. **overland** [WBN18]. **overlap** [DHQ11]. **Overlapping** [BL14, BM18c, Cal19, SRV10]. **overrelaxation** [DH11a, HWXC19]. **overspecified** [HP13]. **overview** [CJK18, RS13]. **Owa** [AS10a, AS11c]. **oxygen** [IS12]. **ozone** [CHT11].

P [GRS12, Pan17, WY15]. **p-FEMs** [WY15]. **P2P** [LLX+10]. **PA** [FSM19]. **PA-12** [FSM19]. **package** [JPP12, MV10, WBA+18, XYXZ16]. **packed** [KPS10a, KPS10b]. **packing** [CKMR11, LTX+13]. **packs** [LRCG16]. **Padé** [NGG12, RY11, KKT13, KPS10a, KPS10b]. **Pages** [Ano18-62, Ano18-65, Ano18-71, Ano18-72, Ano18-64, Ano18-73, Ano18-55, Ano18-54, Ano18-67, Ano18-69, Ano18-70, Ano18-53, Ano18-61, Ano18-57, Ano18-66, Ano18-68, Ano18-60, Ano18-63, Ano18-58, Ano18-59, Ano18-74, Ano18-56, Ano19-52, Ano19-54, Ano19-64, Ano19-61, Ano19-62, Ano19-63, Ano19-65, Ano19-50, Ano19-59, Ano19-58, Ano19-49, Ano19-51, Ano19-55, Ano19-57, Ano19-60, Ano19-56, Ano19-53, LK15]. **Painlevé** [HLLM19]. **paintings** [PAE+12]. **pair** [CM10b, GJX18, GC19a, LM19a, LY11d, MR17, NS11, ZCT18]. **pairing** [FSH10]. **pairs** [MCF18, RKSA18, San12, Tsi11]. **Pan** [McN12]. **panels** [RJGS+19]. **pantograph** [LW11b, XZ10, Yüz12a]. **paper** [Abd18b, JY11, Pan17]. **parabolic** [AMGC19, AAD17, AYH17, AG10b, AS10c, AY12, AA13, BS14a, BS16a, BCK11, Bra16, CL17a, CLS19, Cha18, CW14, CY19, Chu18, CELY18, CCP19, CG14, CJ15, Dai14, DN18b, DG10b, Din13, DSZ18, DZ21, DL18, EE18, FID14, FJP18, GHMN16, GM19, HGSL18, HGW18, HZP18, HLW19, JLF17, Kar18, KB15, KKL+13, KK14c, LMR19, LSW10, Li19a, LZZ18, LLY13, LW18c, MT19a, MS15, MT18, MT19b, NLA19, NSYY13, Oan13, Saj12, SHM13, SNDK18, SBM10, SLM16, SLW18, Tan17, TG11, Tha19b, Tia17, TNV19, VB10b, WQRZ14,

WLZ18b, XWY11, XFY18, XDH16, XZ19, Yan15, ZS13, ZY19, ZZ10b]. **parabolic-hyperbolic** [EE18]. **parabolized** [Bis14, DNZ+13]. **paraboloid** [JCF19]. **paradigm** [KKD13]. **paraelectric** [MM18b]. **Parallel** [BH14, CP16b, Fia15, KBCS16, KCC+13, KSS13, LZ19a, LO16, MUB+16, YSX+19, AML+14, ADD+15, BKR+19, Cos18, DdSF13, DM12a, DCG+12, DZO+19, DZ17, HD16, Kan15, KRCJ11, LCC12, MGN+16, MNJ+13, PW10, RWZ13, SPH10, SKCL19, TH19, VMC+14, WFL11a, WBN18, WKP+14, WY19b, YXYH10, ZS16]. **Parallel-in-time** [YSX+19, BKR+19]. **paralleled** [San12]. **parallelism** [GL16]. **Parallelization** [Hof18, JZE+18]. **parallelotopes** [CR13]. **Parameter** [ADGG13, FJC16, FWFL11, MCL+13, MN10a, TDXQ18, ARK13, CLT+13, CD12, CHL18, CEJV16, DGTC13, DO11, FJB19, FIM18, GYH11, GH15, GN19, HYCP11, HO19, Her14, JCWZ16, KJK18, KP19c, KK14c, KGM11, LK14, Li12b, LL13, Lin10b, LB11, LHL14a, Liu16d, Luh12, MSQ+11, MA17, MP11c, NB11, OSA13, SLYY13, SYW11, TWLYÖ10, TL12, VAS+18, WYD10, YLDL11, ZDL11, Zha19c, dPLM18]. **parameter-free** [VAS+18]. **Parameter-uniform** [MN10a, HO19, KK14c]. **Parameterized** [HWXC18b, ZZ15a, ZYW15, DWZ16, LM17, LM19b, LJ10a, XY17, ZM16a, ZSZ17]. **parameterizing** [Boy16]. **Parameters** [CJ18b, AZB13, AsNAd10, AEG11, AAP12, BV11, BZT16, CCJP11, CZMZ11, DL11, EUTS18, FSRB15, KBDC12, LLZ11, Luk11, PA15, RSS10, Sha14, Ste16, TMLF19, WL11b, WLHZ14, WH11b, WZY13, YS19b, ZL14b, ZJZ+11]. **Parametric** [WLDL11a, WLDL11b, AKV11, CLF10, Fio14, HWH+15, ID10, JW05, Pop13, Pop14, WY18a, yZjH12]. **parametrization** [MS17]. **parametrized** [DDMQ19, IQR16, NMR15, PGQ16]. **paranormed** [DÇ12]. **parasitical** [ZL10a]. **paraxial** [SS14b]. **Pareto** [SLMZ12]. **parity** [YZMA18]. **ParMooN** [WBA+18]. **Part** [Ikh11, Sea15, ZZC13a, ZZC13b, HHNLGC18, LT15b, CFS17, DHMU16, FRAK15, JRA+18, RAW+16, Tao18]. **Partial** [DW18b, GGAV18, GGAVGG19, GGAVRC+19, RES10, AKT12, AuIK17, AMA14, AM13b, ABL10, AGU14, Arq18, AKS11, AuIA17, BKE18, BH10, BP11b, BHM12, BE11, BCF+14, CM18c, CJ18a, CY19, CL15, CS14a, ĆCM10, DCL17, fDxZ12, DHY19, Els10, FID14, FN14, FNW18, GR13a, GTL16, GR13b, GMZ15, GGO16, HG18a, HY16, HLvS18, HP10, IBSS11, JNBK13, JW18b, JS11, KÖ10, Kat11, Kaw15, KK14c, KV18, Lee15, LC11a, Li11a, Li18d, LL16c, LLLC14, Liu16d, Ma18a, Ma18b, MI16, MM18d, MS15, MT18, NLA19, Ouy11, PC17, PW10, RM17, RS15, SCSF19, SAIZ15, SS14a, SGZW18, TN11, TWLYÖ10, VA11, Ye16, YQ18, ZY17c, Zha17b, ZZL18a]. **Partially** [Sha10, AM13b, BSK11, BKR+19, DDD10, HA18a, LZ12c, NS11, RK10, SS11c, XWL18, YZ15]. **Particle** [ATO19, JKK11, MZB10, NNL13, WRW+19, AJS14, BCCZ18, BBO10, CV14, COR18, DA18c, DH10c, FM11, FLWJ11, GSY10, HDHL11, JNJ+11, KPP13, LCW12, Laz10, LTX+13, PTH+16, RMB+14, RCG15, SGK18, SPP18, TTC14, WLA18, WvDRG19, XLZW11, ZYT+16]. **particle-in-cell** [BCCZ18]. **particles** [ASFM15, BHK16, BKMT16, CDM10, Eba14, GLW13, KVR11, NNL13, NWZ11, SK14a, THC+18, WAG+14, ZLHF19]. **Particular** [LCLL18, BPF13, DCL17, DLC19, NKM15, YY15, YKC11, YCLY15, Yao16, ZTC14]. **Particulate** [ZYT+16]. **partition** [BASW18, CDP16, CHT11, GGLP15, GCE18, HR14, KdLK19, MBT+13, SL16b]. **partitioned** [KRD16, MUB+16, PBK19, SZ17]. **partitioning** [Koj10]. **partitions**

[EMRS12, LNW19]. **parts** [FSM19]. **party** [HPC12, KWPK13]. **party-play** [KWPK13]. **Pass** [SZ12b, WHC12]. **passenger** [ZNWG11]. **passification** [LZ12c]. **passing** [CHY12, LFC16]. **passive** [SRDD17]. **passive-active** [SRDD17]. **Passivity** [LZ12c]. **past** [Lee11c, MS13, Sah11, UMLF13, VPR11]. **past-sequence-dependent** [Lee11c]. **patch** [JK18, KVJB15, KV17a, KV17b, YLZ17]. **patches** [Dej11]. **path** [BSN13, Gao11, HR15, KYAA10, LJJ11, Lin10a, TMMASG10, VMO10, WZ17b]. **path-following** [HR15]. **pathogen** [ZWZ16]. **paths** [CSS10, DA12, Lin11]. **pathway** [XBHN16]. **patients** [ZJZ+11]. **Pattern** [KS10b, SFM15, YXWL14, ZS15, AAR11, CS11a, FL13b, IW18, MGTH16, SD11b, TJQS13, VB10a, ZY15b, Zho13]. **patterns** [BGL+15, DA16, Hu19, IS14, LZ11c, LD19, Liu16b, TG14, Zha18b]. **Pawlak** [AMD10]. **payment** [MM11]. **payments** [DRK10]. **payoffs** [LH12a]. **PCM** [JFS14, JFS20]. **PCO'2010** [VBW10a]. **PD** [HK10]. **PDE** [AM17, BLS17, BH14, CGHW14, DGLS19, FSZS18, FF15, GMS18, HG18b, HWW13, HM17d, KM18, KFTT13, LG17, LW18c, LSV18, LR13, PMM17, PSS18, TMZ+15, Tre18, YLC18]. **PDE-based** [BLS17, HWW13]. **PDE-constrained** [KM18, HM17d, KFTT13, LW18c, PSS18]. **PDES** [BNTT14, ATUC15, AHJM18, BQ17, BMP15, CCNT16, DWZ16, Gha17, Gha18, HJ13, HA18b, KMS15, LLH14, Lep11b, MMH11, MBJ16, PLT+19, uIAA15, SK19, Yao16, YSB15, ZM16b, ZFLM18, ZFLM19, ZZL15]. **pdf** [Özd18]. **Pearson** [LMS13]. **Peclet** [DZW+15]. **pectoral** [LTL+12]. **pedestrian** [KYY12]. **peer** [SBA10]. **peer-to-peer** [SBA10]. **PEM** [SCA14]. **PEMFCs** [DD19a]. **Pempinelli** [LM18a, Liu18a, LZM18, MR17, PTZ19]. **Pempinlli** [ES17]. **penalized** [Ibr16, ZCW15]. **penalty** [CW17, CQ13, CW14, GP19, GNP14, LP12, LW17, SMH18, SCGW18, TNT12, WSW11, ZCW15, ZT15, ZD15]. **penalty-free** [CQ13]. **pendulum** [BAO+12]. **penetrable** [ZSZ18]. **penetration** [LHM11, XHH+19]. **Peninsula** [ZGD13]. **Penrose** [BT10, LZ19b, SSP13]. **penta** [JKS12]. **penta-diagonal** [JKS12]. **pentadiagonal** [EMR10, JJ13, JJ15, JYL16, JL17b, JL17a, dS16]. **pepper** [DCKY15]. **perceptrons** [KY11]. **perceptual** [WHC12]. **percolation** [CLB14, JL18]. **perfect** [PB11]. **Perfectly** [MLG17]. **perforated** [DC15]. **perforation** [LHZ+11]. **Performance** [DdSF13, KHIB12, PLT+19, YW14, AD19b, AGK15, BF16, CIN+18, DA12, Ebr11, GGO16, KSPP11, KL12b, MSZG17, ODAZ15, PÁAP+15, PPC15, PSD+13, RF12, SJS+10, WBN18, WTC+12, YWW+12]. **performances** [AGH+15]. **Peridynamic** [MSZG17, LCW17, SL16a]. **perimeter** [Bri10]. **Period** [And12, Aki17, JL12, LJYS18, NNR14]. **Periodic** [DHGF17, ES17, FRSW11, Haj18b, LSW10, LW11b, PRR18, TZWM10, WYN12, Wri13, Zen11, ZKW15, AGT19, AA11, AN11a, AK12, AGDP19, ÁBÁPM11, AD12, ASY+11, AKMUH17, BL18, BDGS13, DMP18, Dan12, DS18a, DSR10, DCN+18, FJ19, Gao17, GÇK10, GL17b, GH13b, HN18, HMF16, HB12b, HXL11, HGW11, JJ13, JJ15, Kia18, KHWK10, KK19b, LZ18a, LS19a, Li10e, LD11b, LF11c, LZZ18, LT15b, LY11c, LLT16a, LLT16b, Liu18a, LDL10, MM10a, PLT17, Sah17, She16, SC16, SCBCB+13, SCBCB+17, SM14, TJ10, TZ15, TUT11, TNF11, Tim14, TTX+16, VZM14, WF18, XY10, XLT17, YBC11, YZY10, YLG17, ZD11, ZZ11a, ZL11, ZTZ16a, ZZM17, ZSZ18, ZBFC19, ZL10a, ZDM11]. **periodic-type** [ZDM11]. **periodically** [WHLC11]. **Periodicity** [YY10a, AR09, AR10b, BBR10b, GH12b,

QYL10, SZ12a, Sed13, TUT11]. **Peristaltic** [Tri11, Eba14]. **Permanence** [TZG10, ZHW14, YZAX10]. **permanent** [HLCY12]. **permeability** [XY16]. **permeable** [Pal13, REHA11, RRP16, SPH10]. **permissible** [DRK10, MM11]. **permitted** [RZL11]. **permutation** [Als10]. **persistent** [CEF+13, DW18a, MW10]. **personal** [RPTD10]. **personalized** [HCHH12]. **perspective** [FCZ12, KJA10, SYZ19, VMAVGCM19]. **persymmetric** [dS16]. **Perturbation** [LYS12a, LYS12b, RSDR11, AÖ10b, AP10, BGPP11, BE11, BG11, CH11a, CTG17, CG15, DS18a, Dem10a, DM12b, Eba14, FH11, Gup11, GS11c, HN18, JNJ+11, KW11, LX10a, LY10a, MH11, MGB+11, Naw11, PP10, RMA10, RY10, Sah17, XXG10, YL16, Yus09, ZYSY17]. **perturbation-iteration** [AP10]. **Perturbations** [GH13a, Bae10, BR13b, CHM18, CRRS11, HDHW11, LW12a, LW12b, LCC13, ÖZ11]. **Perturbed** [DIJ12, HCF16, ABCR10, AHO16, ALI11b, BR12d, BZT16, CG14, CJ15, CX18, Dar11, DN18b, FM18, FBTS19, FR16, FH17, HO19, KAG11, KSMN11, KK14c, LN98, Li10c, LLC13, Lü14, LGVS19, MN10a, RS12b, Tur10, WSCL11, WZY13, dS16]. **pervasive** [YWK+10]. **Peter** [BCHS18, Col18, Per18]. **Petrov** [BS14b, CCN14, CEQ14, EDC14, NCC13, RCH19, Rob14, Ros12, SXM11]. **Petviashvili** [SMYK19, Ade17, CTSX16, CZ15, Gep16, HTY+19, IMS19, JPB11, KTK17, LZL19, LWL11, LMZK16, LXY19, MCF18, QTW+18, SIL19, TTX+16, WF17, WTYZ17, WF18, WW18a, WL16, WTLS18, YMHL18, YTL+18]. **Petviashvili-like** [LMZK16]. **Pexiderized** [CBKR10]. **PGSS** [DYWL19]. **Phan** [ZH15b]. **Phan-Thien** [ZH15b]. **Phase** [KS12b, ATO19, AS11b, ABK+13, BTEM19, BGM19a, BCFQ19, BSZ16, BKK12, BMSS18, BV17, CP15a, CPP10, CYP16, CFdM+18, Col14, DTR19, DFW+18, DJD18, FGB19, GOT19, GDM13, JFS14, JFS20, KÖC+18, KM13, LMPE18, LK11, LH19, LSC17, Lin14, LZCL18, LCWZ18, MGN+16, MK18, MM19, PFDG17, PGF18, RKW12, SSS16, SSHH+18, SPT17, SSIP19, SS16a, Ser19, SLL17, STDLM19, Sul16, TR14, TY13, TDM13, Wan14, WCW13, WS16, ZR16, ZLC+11a, ZQ14b]. **phase-field** [CYP16, FGB19, LK11, LH19, LCWZ18, PFDG17, PGF18, SLL17, Sul16]. **phase-field-based** [LSC17]. **phase-lag** [AS11b, KM13]. **phase-type** [RKW12]. **phases** [CTD10, HMSC10, Kup11]. **phenomena** [CHH14, EAMA19, GT15, GT16, KB15, Liu13, LLY13, LWW19b, LMPG13, MF18a, Sam19, SD19, TTG16, Tan17, TF17, Ye19]. **Phenomenon** [Boy10, IMS19, MM11, ZBFC19]. **phenylenes** [DYX11]. **phi** [CDM12, CCHG17]. **phi-Laplacian** [CDM12]. **phone** [KRM+10]. **phonons** [Hei10b]. **photobleaching** [SL18b]. **photonic** [EGG16, KSF14]. **photovoltaic** [LCW12, YLH12]. **PHT** [VAK+19]. **PHT-splines** [VAK+19]. **Physical** [ZSY19, LDW11, MC10a]. **Physical-bound-preserving** [ZSY19]. **physics** [FMGR19, Grm13, SR17a, Xu11a]. **phytoplankton** [YLZ17]. **pi** [Mor11b]. **PIC** [TBP19]. **Picard** [Zha19b]. **PID** [dSCM12, DZS10]. **PIDE** [YKA18]. **piece** [Dan12]. **piece-wise** [Dan12]. **piecewise** [Gen11b, JCF19, LZH16, WW10b, ZL11, ZHL12]. **piecewise-linear** [JCF19]. **PIES** [Bol16, ZS18]. **piezo** [CL12b, LL12c]. **piezo-actuated** [LL12c]. **piezo-actuating** [CL12b]. **piezoelectric** [AB18, Kia16, KYA15, RYK13, SSH15]. **piezoelectricity** [FR15]. **pile** [LGH+11]. **Pilot** [WZWS11]. **PIM** [YLLN16]. **pinning** [ZFC11]. **pioneer** [Sen12]. **pipe**

[AB10b, BPR18, DLWW12, LWL14, MC10b, MEAMHHV18, YZ10a]. **pipe-flow** [LWL14]. **pipe-flow/Darcy** [LWL14]. **pipeline** [KSO16, WWZ12]. **pipelines** [CRXL15]. **pipes** [BTEM19, XXG10]. **Pitaevskii** [SSC19]. **pitching** [GMS15]. **pivoting** [BDM19a, Raf12, RTB14]. **planar** [DM12b, GKLR11, Hal13, KV17a, KLTS11, Luo18, QCLC17, YMM12]. **Planck** [AAH+18, AHOP18, Loh16, SK14b, YQWZ19, ZL12a]. **plane** [ATH18, ĆCM10, Her14, JNJ+11, Kar17, KS12b, LCQL17, Liu16a, MA10b, OSA13, PJ17, Pov12a, PK19, RHD18, Sha14, XCZQ16, ZM14]. **planktonic** [ZLMZ18]. **planning** [HHS+10, MAPS10, VB10a]. **plant** [Li11b, ZL14a, ZZF18]. **plant-herbivore** [Li11b, ZL14a]. **plants** [AZB13, GIMZ14]. **plasma** [BCCZ18, MR19, Sea14, Sea16, Xu11a, YTL+18, ZTSC16]. **plasmas** [ES18]. **plastic** [CTS19, HAESLB14, LMLB19]. **plasticity** [CTS19, KMS19, RSH18, TPHD18]. **plate** [AGH+15, BHZJ19, BM13a, CCN14, D'A18a, FZBF10, KTA12, KYA15, LZZ11a, Par18, PvdM13, RBB12, Ran15, SSH15, SM17, SSL14, TM19, UKA15, YLY12, ZWL11, ZWG11]. **plates** [ATH18, ATH19, BKE18, BL14, GK16, HSK11, HD14a, JW15, KRCJ11, Kia16, MM13, MG15, SPH10, ZW11a]. **platform** [HMP+15, HWH+15, LZL+18, PC12, WD13]. **platforms** [BF16]. **play** [KWPK13]. **Playing** [Bur13]. **PLC** [ZMG10]. **PLEIADES** [HMP+15]. **Plücker** [BE18]. **plume** [JMDA13]. **plus** [GK11b]. **ply** [ABR10, ZTW+19]. **PML** [MSFS18, DL19, HMZ18, MTV13]. **POD** [DA18b, DFP+13, DNZ+13, FMP19]. **POD-assisted** [FMP19]. **Pohozaev** [GTC18, QCT17, Luo19]. **Poincaré** [BX10, LG12, XD10]. **Poincaré-type** [BX10]. **point** [AE12a, AW11, AN12, AIB10, AJ12, AR10d, AER12, AHF10, AH11b, AKS11, APS12, Bac14c, BQ15, BQ17, BJQS18, BJ19, BZ10, Bai11b, BZZ+10, Ber12, BS12b, Bic11, BGP13, BLyS18, CB11a, CB11b, CB11c, CM16a, CMR17, Cao19, CAY12, Cha11b, CCG18, CBS18, Che15a, CTZ17, CAP10, CSW11b, CM10b, ÇA14, ĆSCD11, Das12, DGK10, DYWL19, Dra11a, EM19, ESN10, EE18, FZ14, FWZ16, GRS12, HHY13, HLS11, HH11, HL11b, Hua10b, HWXC16, HWXC18b, JZ11, KAG11, KPR10, Kar10a, KT11a, KL12a, Kim11, KK10b, LCW10, LW11a, LM17, LM18b, LL19b, LZ11e, LZ11d, LZ15a, LZ16b, LZ18b, LC11b, LLL12, Liu12, LT11, MTM11, Mia18, NS11, PPC13, Pop11, RH15, RA11a, RI12, SD15a, SK11a, SMK18, SR17b, SZ12a, SWS19, Sha10, She12, SBJ15, SS16b, SR10a, SCK11, SZ14, SKH12]. **point** [THC+18, Tha19a, TB10, Tur10, Ver08, Ver12, WZH10, WWA11, qXjH11, XY14, YBC11, Yan18c, YLK10, Yas12, YLH12, Yun13, ZC10, ZJ10b, ZBF11, Zha11d, ZZ18a, Zha14, ZL16, ZL10b, ZZ14, ZYW17, sHC11]. **point-collocation** [EE18]. **point-weighting** [CTZ17]. **points** [Ahm10, ABR10, Ant10, CS11d, Eba11, HR14, HH10a, IN10, KKS10, Mar11a, MAK12, Pir11, Qiu12, SLK12, XLY10, XW18, YK17]. **Pointset** [DK18]. **Poiseuille** [LYN11, MA10b, RSV11, SPP18, WCQ+19]. **Poisson** [LY17, VMC+14, AZ17, AM10c, Bao16, CTG17, CT17a, DLZ17, DLZ19, DO11, DLC19, Fio14, GTC18, Gha17, KKBR19, KL16b, LS17a, LC16, MLL16, MT19b, RCM11, hRWH18, She18b, SWL15, WZM+16, Ye17a]. **Poissonian** [Liu16e]. **poker** [Coo10]. **polar** [BM13a, BJPT16, LY10a, TLR17, WV16]. **polarity** [LHH10]. **polarized** [AHP+14]. **pole** [MCP13]. **policies** [BO10]. **policy** [BKP11, CL12a, CWDL17, DRK10, HKHK13, RPTD10, VCM11, ZZ17]. **pollutant** [MC10b, RAZ19]. **pollution** [DGOZ13, ODAZ15, RZL11, ZGD13]. **Pólya**

[NP12, WLS10]. **Pólya-type** [NP12]. **Polychotomous** [LLSW10]. **polygon** [CCK18]. **polygonal** [AOW18, ABSV18, JLL18, LL12b, SWL19, Vac18, VHPVNXW18, WW14a, Wei14, Wei17]. **polygroup** [YZGW10]. **polygroups** [WYG11]. **Polyharmonic** [Seg19]. **polyhedra** [CDN14, Wac10]. **polyhedral** [BN16, CBBE16, WW14a, dVDR18]. **polyhedron** [HMF+19]. **polymer** [EF14, FG18, GGH18, LDS10, Lin14, STDLM19, ZH11]. **polymer-solvent** [STDLM19]. **polymeric** [ZR16]. **polymers** [CD12]. **Polynomial** [DCL17, KP10a, PKTH13, BKY10, Boy16, BS17, DE10, EE10, Gem16, GK11b, HA18b, Ikh11, JLCS10, LMW10, LY11a, Liu16a, Lu12, LvdVX18, McN12, MP12, MW14, PZ11a, PW18, RS14a, yS10, Was13, WO18, WFL11a, WY15, WZ11b, YSS11a, YSS11b, ZM14, ZHL12, ZMFL18]. **polynomial-and-log** [Boy16]. **Polynomial-based** [PKTH13]. **Polynomials** [CM11a, YMDZ10, APRM11, Bay19, Boy16, Büy10, CMGR11, CDD12, Dua11, ESL11, Gal11a, GTL16, KK14a, KW11, KAS11a, KYR15, Kim10, LY11a, LS11d, Mah10b, MBH11, MS11a, MRR11, MB10a, Oru17, Öza11, OSS10, Pap15, RT10, SKPW14, TÇA11, VT11, VSI12, WJ11]. **polyps** [ZJZ+11]. **polytopes** [Gue13, IBB10, Wac11]. **polytree** [VHPVNXW18]. **polytree-based** [VHPVNXW18]. **polytropic** [Zho16]. **Poncelet** [CGM10]. **pools** [GIMZ14]. **POOT** [HCL12b]. **Popoviciu** [Yan10b]. **Population** [VV14, ALMLM14, AB16, Gal12, GS15a, Hu19, LZ11b, MCL15, MW13, MW16, OAKR16, PP10, TNF11, Wri13, YKKS10]. **populations** [AF13, CN16b, PLKCC13, VDV13]. **Pore** [SCA14, YLL+14]. **Pore-scale** [SCA14]. **poro** [RDE+17]. **poro-elasticity** [RDE+17]. **poroelastic** [AKSW19]. **poroelasticity** [CR18a, KVV14, SR17c, SS13]. **Porosity** [PHM+19, XY16]. **porosity-permeability** [XY16]. **Porous** [Li18e, AM18, AGPR19, AP19b, ASMM11, BASW18, BSK11, BV10, BKNR19, CIN+18, CP15a, CJ12, CLB14, DVY14, EAAS18, EAMA19, EEBM10, FLZ14b, Far11, GQF+10, GZR+13, GGGR17, GDM13, GF19, HWyL11, IK16, KMT19, KNT12, KRP12, KBCS16, KRBS18, LR15, Liu13, LZP+19, MCB10, MCR11, MM19, MMA12, MS10c, NPR10, OHMAK18, PZL+18, PCO16, Pan17, RY10, RHMA18, RBB12, Ran15, REHA11, RTL19, RJGS+19, SSS16, SSHH+18, SD19, SRRP18, TR14, Tim14, TRL19, UABK16, XY16, XZL+11, YYK16, YB13, YKKS10, YLL+14, ZSLZ19, ZD18]. **Portfolio** [WZG19, BKM11, BKK11, cFpClC13, Jum10, LS11c]. **portfolios** [Che11b]. **posed** [CH11a, CDY11, HO19, LP10, Liu14, MZES12, ZT16a]. **posedness** [AKV11, AS10c, BTB18, CCR16, Dua18, FAHZ17, LL16c, PZA19, Pu12, QY17, QaY18, RA19, Tha19b, Via15, WD16, YZ19]. **position** [AY18]. **positioning** [LL12c]. **Positive** [BDS10, CHS11, Fer11, GCR+18, HL11b, HGW11, JWX14, KLL19, Kon16, LS17a, Li10e, LS11a, LY11c, MM10a, PC11b, Su12, YY10b, Yan11c, Yan11d, Yan12b, YL10b, Zha10, ZZ11a, ZLG18, Amb19, BS12a, BC12, BB12, BKL+19, BR13b, CGY10a, ÇT12, CC19, CM13b, CO19, CP16c, DWY15, DLS18a, DSL18, FIS18b, GJ19, Goo11b, HY10, HLWX11, HYCP11, HM15, HH10b, JK11c, KD10, KB15, Kim11, KM11, LW19a, LL19a, LLZ10, LCW10, LYZ11, LF11c, LZ12a, LY14, Li18b, LZ11e, LZ11d, LWKK10, LZKU11, LLT16a, LLT16b, LS10d, MX10, MW17, Mah11, MS11a, MPLR18, SYY13, Sta11, WSG10, WZH10, WWB13, WLM13, WS17, WS10b, Wu16, XLD11a, XLD11b, Yan10d, ZSH11, ZL10a, ZCH12, ZT16b, ZY15c].

positive-definite [BKL+19, WLM13]. **Positivity** [CLM14, YDW15, CP15c, MS11b]. **Positivity-preserving** [CLM14]. **possibilistic** [LYLX11]. **post** [DZ17, YW11b, KB10b]. **post-buckling** [YW11b]. **post-processing** [DZ17]. **postbuckling** [KHF+19]. **posterior** [FdOdSS17]. **posteriori** [AV14, Bac14a, BPC17, BO18a, BWL18, BV17, BS15c, CCKP15, CCZ18, CGO19, DVY14, FOS19, GRBT16, GGS16, GS18, GOS18, GSZ14, Hou15, Kim14, KT15, KKJ15, LCH19, MRR18, OY19, PS18, PL17, RDE+17, RCRV14, RA11b, WZ18b, ZY11, GG18]. **posteriori-based** [DVY14]. **Postprocessing** [Cer18]. **potato** [RMS12]. **potential** [AHHM19, Bao16, BDGS13, CRG16, CTG17, CHZ19, CT17b, DL14, DLS18b, EPP18, FJ19, FDG+17, GTC18, HLY17b, JPB11, KVW18, LL19a, LD11b, Li18b, LC16, PC11b, PLT17, SPL19, SGK18, SBM13, Was13, YL16, YW19, YM13, ZKWW17]. **potentials** [Ali15, SLKK19]. **Poussin** [Kig10]. **powder** [RMK19]. **Power** [CSCM13, HMM12, VBW10a, VBW10b, Ala10, AM14a, BZZ+10, CCJ10, CCJV11, mCfX10, Ciz12, D'A18a, DGA18, DS18a, GIMZ14, HM10, KSMT11, LLH10, LL12d, PTL13, QGGL13, SMBY10, TS11b, VPR11, YLH12, ZY10a, Zha19c, ZT18a]. **power-law** [AM14a, SMBY10, TS11b, VPR11, Zha19c]. **powers** [Mah11, dS15]. **PPHSS** [HWXC16]. **PPS** [LM18b]. **Practical** [RWZ13, YÇG12, HKS14, LZL+18, LA11, fNS11, PMM17, WW11a, ZPS+12]. **Practice** [KKK12]. **practices** [SXB+12]. **Pre** [ZD15, XS10]. **Pre-asymptotic** [ZD15]. **pre-matroids** [XS10]. **precipitation** [BP11a]. **Precise** [FLDZ12, MHH11, YLS12, ST12]. **Preconditioned** [BJRF19, HS18, HWXC19, LHY18, YLC16, CMR17, CWDL17, CL17b, FZ14, FWZ16, KLK15, KM14, Mia18, WZ17b, XWY17, XWY18, ZYW15]. **preconditioner** [CWWY15, DGR18, Du12, GSR14, LZ16b, LZ18b, LJJ17, LHL+14b, MY13, Raf12, RTB14, SWS19, SS18a, WWB13, Yan18c, ZZ18a]. **preconditioners** [BD16, BF16, BK15, Cao19, CHK+18, CBS18, DdSF13, DDMQ19, DHMU16, HH11, HM17d, HMZ18, HWXC18b, HK17, KM18, KCL14b, LZ11c, LXZ18, LZ15a, LZZ18, SBJ15, SS16b, WN18, ZLS13, ZYW17]. **Preconditioning** [LZ16c, PSS18, AEF15, BJ19, BDHR18, CNP14, DM19a, GGR19, HP19a, KK13a, Pul16, RC17a, Tan18, Tom13, ZT13, ZZ15a]. **predation** [KALAS11]. **Predator** [ZY13, ADS14, BP13, CSW11a, Che16, DGT18, GOGYL+11, JLWX18, KL19, LG10, Li13, Li14, LW15, LWN15, LWD15, Li17a, LX17, LLY18a, Li18a, LD19, LY11c, Liu16b, LDL10, LPY16, MLY18, MW16, PQB+16, SZ14, SFM15, WL15, WW19a, WX18b, XZZ16, Xu14, YY10a, YL13, Yan18a, YXWL14, YDW15, Zen11, ZZ11a, ZHW14, ZZ16a, ZSW19, ZG18b]. **Predator-induced** [ZY13]. **predator-prey** [DGT18, KL19, LX17, LLY18a, Li18a, MLY18, WW19a, Yan18a, ZSW19, ZG18b]. **predator-prey-dependent** [JLWX18]. **predators** [CP16a, MY16]. **Predicting** [CHT11, MSH10, CGJ+14, KSM12, SH18, XWL18]. **Prediction** [HBS+10, SKCL19, yS10, BEAA11, Che11e, MLSLM15, VJM15, XJLX10, XCM12, YMSL11, ZNWG11, ZLY12]. **predictions** [HCL12b]. **Predictive** [RMK19, BKDM13, BL12, CN13, HMM12, MBT+13]. **predictor** [AGPCC10, KBAF18, WFL11b, ZC11c]. **predictor-corrector** [KBAF18]. **preemptive** [LA11]. **Preface** [Ano14y, Boc19, CK13, CBM10, DGL18, GR12, HPV+18, LNP+13, Zel13, Zho10]. **preinvex** [LN10]. **Preliminary** [CZ11b]. **premixed** [AM13b]. **premixing** [AM13b].

preordered [JMLF11]. **Preparing** [ODAZ15]. **preprocessing** [ZWJ+11]. **preproximity** [ÇA10a]. **prescribed** [HA18a]. **presence** [BTEM19, COR18, EA10, Gol13, Kia18, MCB10, MM18a, MVB+12, PLKCC12, SSK13, VV14, WLT13a, YLS12]. **presentation** [OSS10]. **presented** [FES17]. **Preservation** [AM12c]. **preserve** [CMGR11, Mah11]. **preserving** [AH10a, AX11, AS11c, BBC+11, BC11, CLM14, GW15a, HM15, JJ13, KKVS19, MJB18, MDRRV11, MDVM17, TMZ+15, WK13, Wu11b, YXP+13, YDW15, ZSY19]. **press** [HT12b]. **Pressure** [Yan10c, BMSS18, DLF+11, GGR15, HMF16, LB18, MMT18, QWGJ15, VMP15, XZL+11, ZZLB18, ZLZG11]. **prevention** [Cha13, DA18b, LHL15, MKA+10, TYY+12]. **preventive** [LJYS18]. **prey** [ADS14, CP16a, CSW11a, Che16, DGT18, GOGYL+11, GM14c, JLWX18, KL19, LG10, Li13, Li14, LW15, LWN15, LWD15, Li16a, Li17a, LX17, LLY18a, Li18a, LD19, LY11c, Liu16b, LDL10, LPY16, MY16, MLY18, MW16, SZ14, SFM15, WL15, WW19a, WX18b, XZZ16, Xu14, YY10a, YL13, Yan18a, YXWL14, YDW15, Zen11, ZZ11a, ZHW14, ZZ16a, ZSW19, ZG18b]. **prey-predator** [LD19]. **prey-stage** [Xu14]. **prey-taxis** [KL19, Li16a, Li18a, WW19a]. **price** [BM12a, BC16, CGK14, CEJV16, FES17, GSS11, Sca11, Sin16]. **prices** [CKM12, ZH18b]. **Pricing** [LW17, Li18d, LPP15, SS19, ZLL18, ACAS11, CXZ15b, CM18c, CJPR10, CJPB10, DNS16, DH17, DH10c, FSRB15, FSB17, GW15b, GLW18, HMV18, HZ16, HC18, HZ18, HLvS18, KKT13, Lee14, LvS15, MZC17, MvS18, Moh15, SL16b, Tha19a, YKA18, ZM16b, ZC11c, ZBL12, ZH18b]. **Primal** [FLdS14, BQ17, DG13b, Hof18, KLP10, RTT17]. **primary** [ABK10]. **Prime** [ZHB11]. **primitive** [BG15, LH10b, ZZG19]. **principal** [LZH16, LR17a, ZM13]. **principle** [AKT12, BBR10a, EK16, Gal10a, Kim17, Liu17, MF11, Mah14, ÜM16, XFY18, XH11b, ZM17a, ZZG19, ZW11d, ZM17b]. **principles** [Auc18, KK15, ZLWL11]. **printed** [WA19]. **printers** [SLCC12]. **priori** [BP19, BN16, DLS18a, GGS16, GS18, GOS18, Hou15, NB17]. **Priority** [CL12c, CZ10, LA11]. **Priority-based** [CL12c]. **prismatic** [BMAR18, CWHW17]. **Privacy** [WK13, YXP+13, GVJ13]. **privacy-friendly** [GVJ13]. **Privacy-preserving** [WK13, YXP+13]. **private** [SBA10]. **probabilistic** [BA16, HpD11, Wan10a, WCZ13]. **probabilities** [FSM19]. **Probability** [Coo10, CKN11, HW11, LL13, MD10, PS12b, WW11b, WL12a, WLT13a, ZC11a]. **probe** [WY11a]. **problem** [Aba10b, ABB17, AW11, AK12, AA10b, AHO16, AAD17, AT18b, AT19, AS15a, ÁBÁPM11, ADS14, AV14, AS19, ACTB19, AKL18b, AA10c, BZ10, Bai11b, Bai12, BNR10, BLS18, BPS19, BDS17, BCK11, BKMT14, BKMT17, BDF16, BWL18, BMS13, Bog10, Bog11, BD19, BM18d, BRR16, BV17, BZT16, BPKM10, CW19, CL17a, CCRS17, CGHY11, CCY10, Cha18, CLTA11, CLH13, CLCF14, CM19a, CZF10, CyL11, CPT15, Cho17, CCK18, CS11b, CB19b, CM14, CG15, CN16a, CX18, CHS19, CGJ+14, DL10, DGR18, DRK11, De 10, DCG+12, DFGG13, DMPV10, DDM+18, DH16, DZ17, DLQ16, DH10c, ESN10, EG10, EE18, EKZ17, EKE18, FST19, FES17, FLdS14, FPB17, FBL11, FRSC16, FH17, FOS19, FKeT12, Fur13, FIM18, GG18, Gao11, GHC15a, GS18, GOS18, GR13a, GRS18, GHMN16, GM19, GF19, HB19]. **problem** [HA18a, Haj18c, HY18, HXX19, HO19, Hes14, HSJ15, HSWZ11, HSZ15, HK15, HCZ16, HMZ18, Ibr16, JRZK11, JPS14, JWX+13, JO19, KAG11, KLP17, Kar17, KP10a, KN11, KV10, KLL19,

KTA12, KTDT17, KS12a, Kig10, KLP10, KCL14b, KK19a, KA13, KSS13, KFTT13, Koj10, KKL+13, KM13, KKD13, LeT10, LPK15, LX16, LLZ10, LLW10, LYZ11, LL11, LX12a, LWBW13, LTX+13, LLY18b, Li18b, LKCN19, LJ10a, LZ11d, LZ14, LZ19a, LLZ18, LBH+12, Lin10b, LJJ17, LJLY19, LC10d, LCZ11, LLL12, LLY13, LDL+15a, LDL+15b, Liu16a, Liu16d, Liu17, LW18b, LZF18, LLLW18, LCHZ19, LHTL19, LGVS19, LDHH13, LLX11, MA17, Mar12, MM13, MMOJ14, MMT18, Mat19, Mia18, MGB+11, Moh14, MMR10, MMR11, MLGY16, MRR18, Nab19, Nes10, Ngo18, NSYY13, OY19, ODR10, ORR16, Özu15, PCO16, PAE+12, Pir11, Pit12, PA12, QZ16, RSM17].
problem [RES10, RS15, RDE+17, RBTD14, RCRV14, RHD18, RFP11, hRWH18, RGVR17, Sal10, SYZ19, Sca11, SJL+19, SH12a, She12, SKPW14, ySW10, SLW14, SWL15, SBM10, SMBY10, SS18b, Sle13, SS16c, SbX19, ST19, SWW11, SKM11, SZ11, SZ12b, SSL14, SCGW18, TLR17, eT10, TAS11, TB10, Tia17, Tod15, Tod18, THD19, Tro13, TW18, TKBMT17, TNV19, VDB13, WZW10, WZH10, Wan11, tWqLzGkP11, WG11, WL12b, WL15, WZ18b, WZG19, WZ18c, WY15, WH14, WFZ12, WZ11b, WZY13, WCW13, WW14b, Wu18a, XD17, XW19a, XL15, XZR16, Xu11a, YK18, YF10, Yan11d, Yan18a, YJ19, YGR11, Yil19, YYYH19, Yun13, Zak18a, ZSH11, Zha10, ZHZ14, ZHJ14, ZZ15b, ZT15, ZKWW17, ZHC17, ZJ17, Zha17a, ZL18, ZSL19, ZH19, ZL10b, ZT16b, ZG18a, ZMFL18, dBD17].
Problems [Agr10, BCHS18, AEG18, AA11, AN11a, ANP11, AA10a, Akm15, AH11a, AJRWS12, AAH+18, AIIZ10, AEO15, AD16, AA18, AER12, AYH17, AKLS19, AK11, Ant14, AVZ15, jASzZ12, AG10b, AKA11, Auc18, ABK+13, Bac14a, BJRF19, BS12a, BMJ19, BL10, Ban13, BS14a, BS15b, BS15a, BHM19, BDM+19b, BJS15, BDGS13, BCJ19, Bic11, BR16, BGR14, Bol16, BSN13, BT14, BLyS18, BKP11, CHS11, CB11a, CB11b, CB11c, CKSL+14, CGGM19, CM16a, CMR17, Cao19, CAY12, ÇT12, Cha11a, CHBTD14, CCG18, CBS18, CCD10, Che11d, CM11c, Che12b, CHLY15, CCZ18, CLL19, CO19, CKLL10, CM16c, CAP10, CNP14, Cia12, CJ15, CJPB10, CFLX18, CN11, CDN19, CLN+19, DMP18, DGB10b, Dai14, DWY15, DN10, DN18b, Def10a, Def10b, DM12b, DS18b, DGK10, DBEE11, DB12, DCN+18, DGLU18, DBH+14, DYWL19, DLC19, DSL18, DHMU16].
problems [EFK15, EO15, EDC14, EGG16, ED12, EF14, FJB19, FMS19, FZ14, FWZ16, FZ19, FDG+17, FM18, Fer11, FM12b, FR16, FGHZ17, FP18, GLLC19, GCE18, GP11, GGVRB19, qGpWhL11, GSZ14, GMI12, GR19b, Goo10, GKM11, GN19, GR13b, GHCZ18, GS15b, GS19, GNP14, GW12c, GLZ18, Hak14, HSD10, HHY13, HLWX11, HMY15, HYCP11, HKK+16, HZL17, HCF16, HL11b, HRMS10, HT13, HZ11, HVO17, HT16a, HM18a, Hou15, HLY17a, HLSN15, HRHP17, HC14, HWXC16, HM17d, HZP18, HWXC18b, HD19, HK17, IQR16, Ima17, Jal14, Jan10, JM16, JZ11, JK12, KA10a, KK15, KLK15, Kaw15, KP19a, KM18, Kha10, KFYW11, KL12b, Kim11, KW14a, KW14b, KVV14, KRD16, KAS11b, Ku15, KS12b, LP10, LMR19, LLW11, LG17, LC11a, LCH19, LN98, Li10c, Li10b, LCW10, Li10a, LBZL11, LW11a, LW11b, LS11a, LY13, LCK13, LY15, LH16].
problems [LM17, LXZ18, LM18b, LL19b, LS19b, LZ11e, LZ15a, LZ16b, LZ18b, LZ19b, LYC12, LZ17, Lin10a, LBvB+16, LCLL16, LMRS10, LLH11a, LHF11, LXP11, LLH11b, LS12a, LS12b, Liu12, LW18a, LW18c, LZ18c, LW19b, LRBA15, LDY11, LvdVX18, Luc10, LLW15, MM10a, MJB18, MD18, MT10, MM16, MT12, MDG19, MV11, Mil18, MP19b, MvS18, MP19c, MN10a, MR15, MS12b, NPD17, NMR15, NXHN14, NCC13, OP14, PGQ16, Pad18, PN10, PC11b, PH13,

PKD19, Ped18, PW10, PH19, PBK19, PD17, Pir11, PT11, Pov12a, QCLC17, QWL19, RSWZ10, RFK16, RCH19, RWTW19, RSH18, RF12, RHC15, RR11, RS18b, RGdSRLAJ10, RA11b, SK11a, SSSB11, SRGL13, SR17b, SVY16, SWS19, SWL19, She11, She12, SBJ15, SS16b, She18a, Smo17, SW11, Sta11, SST12, Su12, SZW11, SS13, SI17, TPHD18, TM12, TCM18, TA11]. **problems** [Tha19a, TC10, TDN19, Tur10, Vac18, VAS+18, VB10a, VAB12, WWW11a, WS11a, WWW11b, WWA11, WZWX11, WSCL11, WZF12a, WZF12b, WmN13, WC15, WHS17, WTM17, WCSW18, WZC+19b, WCCS15, WLZ18b, WLGL10, WQNF12, XFL16, XW14, XZC12, XFY18, XC18, XLD11a, XLD11b, XC16, XHH+19, YY14, Yan10d, YY10b, Yan11c, Yan15, YH15, YLK10, YZY10, YC10b, YNLK10, YCLY15, Yas12, YX11c, YDL11, YSB15, ZT16a, ZN18, ZB19, Zbo19, ZYWZ17, ZJ10b, ZBF11, ZLL11, ZLLF12, ZL14b, ZZWG16, ZYT+16, ZZ18a, ZL19b, ZSS10, Zha14, Zha15b, ZcHS18, ZL16, yZjH12, ZY10b, ZGZ13, ZZ14, ZG16, ZZX16, ZYW17, lZxLhY12, ZS18, ZLGL11, dPLM18, sHC11, uRK11]. **procedure** [AD15, BKMT14, CD14, HYL10, JPCY13, Mai16, SSS11b, WW11c, YLDL11, Zha18d]. **procedures** [Tom11]. **Proceedings** [BCHS18]. **Procesi** [YT11]. **Process** [SLCC12, ATO19, ALI11b, CsH10, CPP10, CSSW12, CL12b, Chu11b, DK14, FXC18, GSI19, GCG12, GLW18, HHS+10, KYR11a, KYR11b, KT11b, LL12a, Li18d, Mai10, MP11c, NJV13, RMK19, SSIP19, WvDRG19, WA19, XLK11, XLF12, XX19, YLL+14, HLvS18]. **processes** [ASB12, AD12, AGD10, BGM19a, CIN+18, CGS12, EF14, FLDZ12, GDM13, IW18, JSGP16, MDVM17, MMS+18, PdlF10, SM19, Tim13, XWN11, YjH18, ZZHF12, ZWMD16]. **processing** [AA10b, AA10c, DSK+14, DZ17, IC12, OKTR11, PMM17, TYY+12, WSS10, WJWW12, WCZ13, WPH11]. **processor** [KORR10]. **produced** [RNB11, RB19]. **producing** [YLZ17]. **Product** [YZGW10, AAR11, CHM+10, CQRW11, ET12, GTG11, GM18b, KD11, MV12, VC12, WW10c, XD17, YKRV11, ZHJD13, ZZL18a]. **product-form** [MV12]. **product-sum** [AAR11]. **product-type** [ZHJD13]. **production** [CCCW10, Chu11b, DRK10, DRK11, DK14, DKG14, MAPS10, QMW18, VB10a]. **products** [CL12a, Git14, LCLL18, San11, VCM11]. **Prof.** [DFG+18]. **professional** [KSM12]. **profile** [MNJ+13, Mom11, ZLG+10]. **profiles** [DL18, TNT12, WYL19]. **program** [BCF+14, WBA+18, ZHQG12]. **programmable** [HHY+11]. **Programming** [HH15, Ant10, CQ13, DBH+14, GKS10, HDS11, HTGSH13, Koj10, LLW10, OSZP13, RFP11, RF12, SKK12, THZ+11, WZW10, WLGL10, ZLL12]. **progress** [PZ11a]. **projected** [Mai16]. **Projection** [KEHB18, VMP15, Zha17a, BS16b, CGHY11, CD16, FSB17, HD14a, HZM11, JMHF13, KN12, LY15, Liu14, LL15, MKL11, MW14, PLKC16, QZ16, QHW11, SK11a, Von19, WY15, qXjH11, XY14]. **Projection-based** [KEHB18]. **projection-proximal** [qXjH11]. **projections** [ASA16]. **projective** [JW11, PC12, SH11]. **projectors** [AAB+13, BT10, DNS15]. **projects** [BKK11]. **prolate** [LDHH13]. **prolongation** [Hu15]. **promising** [BGPP11]. **proof** [BCF+14, DC10, ZY17b, ZWY19]. **Proofs** [YLLN16]. **propagated** [ABDKD12]. **propagating** [CWH13, KSG11, MTV13, PLMS14]. **Propagation** [LMP13, AGT19, Abd18b, AM13b, AM18, BP11a, CBB15, DW18b, EO15, GM18a, GGK18, GGL13, HB19, Ikh11, KB10b, LR17b, MNPD15, MR15, PD17, Ray17,

SIL19, WZHW13, XCZQ16, ZZW15]. **proper** [DA18b, FSZS18]. **propertie** [Wan13a]. **properties** [AZ15, AS10a, ASMEE11a, AX11, ADGG13, BM11b, BL17, BCSCB+15, BBD10, CNV14, Che11a, DK12, EAA10, GW15a, HLY12a, HA11, Ili12, JTC+10a, Jia11, KHUO12, MP10a, Mah10a, Mah10b, Mah11, MC10a, NODA11, PKK12, Par17a, QZ11, SK10a, SL16c, SST19, SGQ12, TO11, VLJH18, WS10a, WC10a, WZXL11, WYG12, WSH12, XMWH10, ZJ12, ZGD14]. **property** [AAR11, AIB10, Che19a, GRS12, LW11c, Med12, MAK12, TKH10, THY+10, XDL12, YLB16, Yil10]. **property-based** [LW11c]. **property-oriented** [Med12]. **proportional** [CW10b, LW17]. **Proposing** [KK12]. **propositions** [ABFGZ11]. **prospect** [DD13]. **protection** [JCZZ13, LD19, Yan18a]. **protein** [NJV13]. **PROTEUS** [FIVM17, FIMV18]. **protocol** [CHY12, CJP15, GLM+11, HPC12, MKA+10, NCL13, QCYL12, SPLHCB14, VBK13, CJP12]. **protocols** [KHIB12, LYM12, OO12]. **proton** [SCA14]. **prototypes** [NEB14]. **provable** [LWHY10]. **Provably** [FSH10, WMSH11, CPL11]. **proximal** [Hua10b, Ver08, Ver12, qXjH11, XY14]. **proximal-point** [XY14]. **proximity** [AH10c, BA11]. **proxy** [GH12a, LWHY10]. **PRP** [TNP17]. **Pseudo** [Abb11, Hes18, CsH10, CZN12, CT10a, DZ21, GDZ11, HGW18, HS13, HSJ15, JLF17, KS10a, Liu11b, MEAMHHV18, NT17, SBEB10, SH10, SLW18, Tha19b, ZL11, ZcHS18]. **pseudo-contractions** [CsH10, KS10a]. **pseudo-contractive** [GDZ11]. **pseudo-homogeneous** [MEAMHHV18]. **pseudo-parabolic** [DZ21, HGW18, JLF17, SLW18, Tha19b]. **Pseudo-spectral** [Hes18, HS13, HSJ15, SBEB10, ZcHS18]. **pseudo-triangular** [Liu11b]. **pseudocontractions** [CS11c]. **pseudocontractive** [ZRC11, sHC11]. **pseudoconvex** [XL11]. **pseudodifferential** [PT15]. **pseudomonotone** [AK11]. **pseudopotential** [WGY+18]. **pseudospectral** [Ali15, HLX18, Jav11, SD12a]. **pseudostress** [GGS16]. **pseudostress-based** [GGS16]. **pseudowheels** [KW12]. **psi** [Che11a]. **PSM** [ZcHS18]. **PSO** [DWI+12, JS12a, PSD+13, ST12]. **PSP** [LT15a]. **PSP-splines** [LT15a]. **PSPS** [LT15a]. **PSS** [FWZ16, LZ15a, LZ18b, Yan18c]. **PSS-based** [LZ15a]. **public** [Lee11b, WH10, WMZW11]. **public-key** [Lee11b, WH10]. **pull** [NGG12, RMA10]. **pull-in** [NGG12, RMA10]. **Pullback** [PP14, YL14, ZZ16c]. **pulsatile** [MDL18]. **pulsating** [ASFM15]. **Pulse** [MBH11, KB10b, LS11b]. **pulsed** [WHLC11, YMDZ10]. **pulses** [BL12, Dan12]. **pump** [AdSSS19]. **punctual** [Yaz11, YAS+11]. **purchasing** [DH10c]. **pure** [BM19, CKR10, ZT18a]. **Purposeful** [AAP12]. **push** [KSPP11]. **put** [CW14]. **puts** [ZC11c]. **puttable** [ZLL18]. **pyramid** [CW15b, TKH10].

QFD [WC11b]. **QoS** [DFS11, WL11a]. **Quad** [BP18, SCGW18]. **Quadratic** [SZW11, WH10, APRM11, BDK+11, Cer18, CD10, CM19a, Cie11, Dar11, Dej11, DBH+14, DP15, EGG16, HA18a, Haj18c, HTGSH13, ILP+11, KC11, Kes10, Lee11b, MTM11, Sal11, TCM18, WTM17, You11, ZZ10a]. **Quadrature** [AuIK11, BC15, MT19a, Bis14, CR13, HL18b, JW15, LH16, LSZ11, MD15, PCS13, RSM17, SNH10, SD15a, Von19, WY18a, WV15, XG10, YW11b, ZMM18, ZW11a]. **quadratures** [SSSB11]. **quadric** [Dia17]. **quadrilateral** [ATH19, KHF+19, WN18, ZL19b, ZMFL18].

quadrilaterals [Li15]. **Quadruple** [KL12a]. **Qualitative** [BBDS11, MW16, AÇT11, FdOP17, MP10a]. **quality** [DRK11, KYW+18, LLX+10]. **quantification** [BCPS15, BK18, WY15]. **Quantitative** [AM10c, KC19, BM10b, DB10, FdOP17, Wu10]. **quantities** [AK16, JQSS12]. **quantity** [Chu11b, KGJ11]. **quantum** [Baa13, COR18, FGL10, Iom18, JKS19, LJJ17, Lóp19, MT12, SPL19, TTC14, ZSAN18]. **quarantine** [SG11a]. **Quartic** [BM13b, DL11, Ahn10, GKLR11, GMI12, HKT11, SCV10, ST16]. **Quasi** [DGLS19, NCC13, SL16c, WMW13, YYYH19, Zha19a, Abb10, AM15, ABCR10, ADK10, BGIN13, BNTT14, Bor11, Çak11b, CS10c, CS11d, CT10a, FIW13, GWZ11, GW15a, HLCY12, KKS10, KA10b, KKLJ11, LT13, LX16, LHY11, MYZ12, Mai10, MS15, NHH13, NZ14, NJV13, PT11, QHW11, QL10, SID15, SSR11, ST16, She11, SH10, SW11, SW16b, SJHC14, WXF10, WH18, Wei17, WY18b, Zha11d, Zha18e, vdW14]. **quasi-** [QHW11]. **Quasi-Chebyshev** [WMW13]. **quasi-compact** [WH18]. **quasi-contractive** [Zha11d]. **quasi-convex** [ADK10]. **quasi-distribution** [SID15]. **quasi-equilibrium** [PT11, SW11]. **quasi-geostrophic** [FIW13, WY18b, Zha18e]. **quasi-Hausdorff** [SSR11]. **quasi-interpolant** [GW15a, ST16]. **quasi-interpolants** [BGIN13]. **quasi-interpolation** [GWZ11, WXF10, Wei17]. **quasi-linear** [KKLJ11, MS15, vdW14]. **quasi-minimal** [AM15, SJHC14]. **Quasi-Monte** [DGLS19]. **quasi-Newton** [LHY11]. **quasi-Newtonian** [LX16]. **quasi-nonexpansive** [CS10c, CS11d, KKS10, KA10b, Mai10, She11]. **Quasi-optimal** [NCC13, BNTT14, SW16b]. **quasi-pseudo-contractive** [SH10]. **quasi-pseudo-monotone** [CT10a]. **quasi-sliding** [HLCY12]. **quasi-static** [LT13, NHH13]. **quasi-stationary** [NJV13]. **quasi-uniform** [Abb10]. **Quasi-Variational** [YYYH19, ABCR10, NZ14]. **quasi-variational-like** [QL10]. **quasicontraction** [AH11b]. **quasicontractions** [KPR10]. **quasiequilibria** [AKV11]. **quasiequilibrium** [yZjH12]. **quasigeostrophic** [MS17]. **quasilinear** [BWL18, CW19, CCX13, CF16b, CTC17, CT17b, Cov13, DB11, DS18b, GALO18, HX14, KPK18b, Kon16, LY14, LL14b, MY10, QMW18, She18a, SC16, Wan15, Wan16b, WZ15, XLT17, YX11a, ZW16a, ZW16b, ZCY11, dSSV17]. **Quasilinearization** [WG11, DMD10]. **quasioptimization** [AKV11]. **quasisecant** [LW13]. **quasistatic** [AKLS19, CXMO19]. **quasivariational** [CLF10]. **quaternion** [MJB18, SWC11, WZ10, ZMLZ16]. **quaternionic** [JZJ18, LJJ17, LJLY19]. **qubit** [OVV+16]. **Quenching** [XX19, CPP10, Pad18]. **queries** [HpD11]. **query** [IC12, LKK12, YXP+13]. **query-by-region** [LKK12]. **questions** [ZFC11]. **queue** [AM11, AGD10, LA11, LXYT11, WY11b]. **queueing** [BA11, CTD10, HH10a, PdlF10]. **quickest** [Lin10a]. **Quintic** [Moh15, SKM11, AZ10, Che18, ML19b]. **quotient** [BMJ19].

R [DBH+14, EM19]. **R&D** [BKK11]. **R-linear** [DBH+14]. **Rabinowitz** [She18b, ZZ15b]. **Radau** [MV10]. **RADAU.** [MV10]. **Radial** [BASW18, Cov13, HT12a, HT16b, MvS18, Saj14, SL16b, Ber16, BL14, Boy10, BM13b, CM13b, DHQ11, DO11, DAM14, DM15, DM16, GL10, GK18, HT13, KKT13, KRP12, Kon16, KY11, LW19a, LDW11, LL19b, MG15, MFSL19, PT15, RKP12, RFK16, RKF18, SYY13, Tha19a, TMDTTC16,

ZTZ16b, ZC16, Zha18d, ZcHS18]. **radial-stiffened** [MG15]. **radiation** [KZ16, LHZ+11, LZZ11a, MCB10, MM18a, NJ16, Pal13]. **radiative** [BJRF19, GH16, GRS18, KB10a, PDN19]. **radiative-conductive** [GRS18]. **radiative-convective** [PDN19]. **radii** [BK13]. **radio** [CJP12, CJP15, KP10b]. **radio-frequency** [CJP12, CJP15]. **radiographs** [LWWY12]. **radius** [AA10a, LL12e, NNAS11c, THGG14, ZYS10]. **radius-dependent** [THGG14]. **Radon** [Amb12, AM13c, GZ14, XD10]. **rainbow** [LLL11]. **Ramanujan** [KK10c]. **Random** [CJCV10, MX15, VBCJ10, AHOP18, BEAA11, BNTT14, CCJ10, CCJV11, CCNT16, CPT15, CJRR11, CRRS11, CM10c, DRK11, DWZ16, DGLU18, FLDZ12, GGL13, GM18b, JKMS12, LLH14, LG17, LRCG16, Mil18, MNT15, MT19b, Nie10, Ryl15b, SWOF19, SM17, Sun11, TKBMT17, WL17a, WZ18a, WY11b, XLK11, YLS12, YL18b, Zha18h]. **Randomized** [ASA16, FSH10]. **randomly** [CBB15]. **range** [MS12a, Ser19]. **rank** [AEH19, BK14, CS14b, EHL+14, KL12b, MHL11, RWW18, WWXW19, WZ10, Zha15a]. **rank-one** [KL12b, MHL11]. **rank-two** [RWW18]. **Rankine** [ZZHF12]. **Ranking** [NM11a, KSKK11, Li10a, Sae11, SSS+11a, WYY11, WYK10, ZHJZ11, ZLY12]. **ranks** [Als10]. **Raphson** [SG10a, SL16c]. **Rapid** [OBCG19, LYL12, MSTB17, Ngo18]. **rarefaction** [LYN11]. **rate** [AF13, AR17, CCRS17, CLM12, CL12c, CXZ15a, CCCW10, DRK10, DD10, GCR+18, GGGR13, GD16, HW19a, HZ18, KKLJ11, KPK18a, LBW11, LXYT11, LW11d, Ngo18, XGH17a, XGH17b, ZHW+18]. **rates** [AM12c, BGH14, BC17, GZN19, HKJ14, JPK17, LZ12c, MT19b, Par15]. **ratings** [WC11b]. **ratio** [BSK11, CZY11, CY14b, Ebr11, GOT19, JS12b, Li10a, Li17a, SSHH+18, ST15, SZ14, XA13, ZZ11a, ZZ16b, ZG18b]. **ratio-dependent** [Li17a, SZ14, ZZ11a, ZG18b]. **Rational** [LMZK16, Men18, QRMH18, RMY19, Wac10, YGS+16, YS16b, ZDZY17, BC12, BAO+12, DE10, EZRR10, GMB12, LTX10, Pan11, PTZ19, TUT11, YTZ17, YTL+18]. **rationality** [CEJV16]. **ratios** [RTRR18, SGK18]. **Raviart** [CLH13]. **ray** [CX16, Abd18b]. **Rayleigh** [AHV10, BMJ19, LK13, RGVR17, Zak18a]. **RBF** [MFSL19, AuIK17, Bay19, BHJ14, DA18b, FLP13, GCE18, HMV18, JSGP16, LZJY16, QZF19, ZN18]. **RBFs** [DM16]. **RBIE** [OP14]. **RC** [LKL+15]. **RC4** [CM13a]. **re** [CD12, GH12a, RPTD10]. **re-assembling** [RPTD10]. **re-encryption** [GH12a]. **re-identification** [CD12]. **reacting** [BKR10, RSV11]. **Reaction** [LN98, Li10c, WFY17, AD15, AD19a, Akm15, AKL18a, AO18, AK19, AAA12, AB16, Ara18, AV14, ABN18, BDM+19b, CBBE16, CL19, CL17a, CG14, CYM13, CFLX18, CCM14, DMP18, DS18b, DHGF17, EKE18, FM18, FMSV17, GD10a, Gao15, Gao17, GM14c, GML17b, HNK13, HTGSH13, HY13, HPR19, HHNLGC18, HM17a, KBAF18, KW14a, KW14b, KAA19, LCM14, LZC13, Li18c, LHL15, LDL+15a, LZ15b, LDL+15b, LWSL19, LZP+19, LZG19, LGVS19, MGTH16, MY16, MF18b, MF18a, MBS17, MPY16, Özu15, QZF19, RKF18, She16, SOJC10, Tam16, TM18, TTM19, TF17, VAS+18, WCB13, WW11c, WHS18, WCLD18, XL15, XZZ16, XZ18, XX19, YP10, YDW15, YSB15, ZWZ16, ZSW19, ZZW15, ZZ16c, ZZ17, ZLW19]. **reaction-advection-diffusion** [Tam16]. **reaction-cross-diffusion** [FMSV17]. **Reaction-diffusion** [WFY17]. **reactions** [CS13, Kei13]. **reactive** [BMS13, MC11, MCR11, VPR11]. **reactor** [CM13b, CL16a]. **reactors** [IL13]. **reactors/bioreactors** [IL13]. **reader**

[WNC12]. **Real** [ACAS11, BK14, CWW15, DSK+14, GS12, Kup11, Li12b, LWQZ18, MS11a, PC11a, PZ11a, RMS12, TL10b, TD10a]. **real-time** [DSK+14, PC11a, RMS12]. **Realistic** [LWHL12, BV10, HB12a]. **Realization** [KRM+10, KSF14, Wei14]. **realizations** [GD12]. **realizing** [KK12, ZPWY12]. **reasoning** [BMS12]. **reassembly** [PAE+12]. **reattaching** [AD19b]. **rebates** [LZL16]. **recall** [KS10b]. **recently** [FKC12]. **recidivism** [SCSF19]. **recipes** [Res16]. **recipients** [KLY16]. **reciprocal** [Ipe12, QZ11]. **Reciprocity** [CPP15, SC19a]. **recognition** [CCL+12, PC11a, TNT12, VKJ13, WPH11]. **recommendation** [HCHH12]. **reconstructed** [GZR+13]. **reconstructing** [HN18]. **Reconstruction** [HLY17b, ZSZ18, CL19, CZY13, CX16, CCM14, GZ14, HH18b, KVW18, LK14, LLG+11, LZJY16, dCMdSGTdC+16, RDE+17]. **reconstructions** [CM19b, JCF19]. **record** [McN12, MP12]. **recovering** [RAD13]. **Recovery** [SG16a, VAK+19, WLW16, WLW17, WW10c, ZXW13]. **rectangles** [DRZ10]. **rectangular** [AYY12, CY14b, DGH17, FBTS19, HCT12, HMWZ16, KTA12, MMFT+19, Mis14, MM18c, Nes10, PGW19, SH18, WCH13, ZW11a, ZWL11, ZPGW16]. **recurrence** [Dua11, JYL16, RT10, WLGL10, XC11b]. **Recursive** [KPS10a, KPS10b, LXYT11, ECY11, FRSC16, Ham10, HSBL11, KPP13, LTX10, LL12d]. **recursively** [EMR10]. **recycling** [DKG14, MKG13]. **Red** [KK14b]. **Reduced** [CWHW17, Che15b, DGH17, DNZ+13, IQR16, NMR15, PGQ16, Zha15a, Akm15, BWZ16, BGH14, CJN19, DDMQ19, DFP+13, FW18, Gup11, KLL10, LS17b, MPY16, MDW13]. **reduced-order** [Akm15, BWZ16, DFP+13]. **Reduced-rank** [Zha15a]. **Reducing** [MNPD15, DEFP11]. **Reduction** [Sed13, AD11d, CM19a, CLL11, DESV18, DIS19, ES18, HTGSH13, HKS19b, HKW15, LML11, LRV13, MSQ+11, MK18, Med12, MBJ16, RFP11, RF12, SB19, SSK13, VC12, WJ11, Yan11d, YZ12, YMLL18]. **reductions** [NHIN16, WY16]. **redundant** [YMM12]. **reference** [DVMS13, Her14, OSA13, SJL+19]. **refinable** [LT15a]. **refined** [BG15, FMPR15, GSZ14, JW19a, JVMF19, JK18, Krn12, RS14a, WmN13]. **refinement** [AKL18b, DESV18, DVY14, EFK15, LR13, SLW11, Tod13, VFM19, WLS10]. **Refinements** [ADK10, HX10, Mor11b, Yan10b, FWW14, KK14b]. **refiners** [McN12, MP12]. **reflected** [Mai16]. **reflection** [BJRF19, Ban13, BY11]. **reflector** [LHZ+11]. **reflexive** [SCC12b, XHM14, YqS16]. **reformulation** [DG13b]. **refrigerated** [GWR+18]. **refuge** [GM14c]. **regime** [CEJV16, DNS16, ECJ16, HC18, Lee14, MS18, QCG15, YKA18, ZM16b, ZBL12]. **regime-switching** [DNS16, Lee14, ZBL12]. **regimes** [LBZL11]. **region** [AA10a, Ber16, DNZ+13, LKK12, LW11c, LLH11a, LLH11b, ZM14, ZLL12]. **Regional** [LL13]. **regions** [ACD+11, ANP19, Kup11]. **registration** [Bar17, JZR15, LGHR16, LXZ13, PZJ+16, PZAR19, ZCY16]. **regression** [Bra13, FL11b, JWX+13, KOPS13, LTL+12, PATA11, QZY11, SW10]. **Regular** [CPP15, MW11, SJN10a, ZZT11]. **Regularity** [CYL17, FZ17, GFZ16, JJC11, JLL18, LL12b, Yan19, Yao10, Ye15, Zha18f, AT17, BWL18, CM15, CCNT16, CL15, Cia16, CJK17, CDN14, EG18, FAHZ17, FSZ17, FSZ18, GLR13, GGR15, Liu18c, LB18, Ma18b, MAH18, TDN19, Wen18a, WY18b, Wen18b, XZ17, Ye16, Ye17b, YWT18, YQ18, ZZ16b, ZaY17, ZZ18b, Zha18g, ZWY19]. **Regularization** [ACTB19, APTZ19, BCD+16, BKMT17, CCR16, GKS17, Gos10, HCL12a, KJK18, KM15, KTDT17, KLRW12,

LP10, LHL14a, PGDL18, PB13, TKBMT17, TKHL18, WL12b, WLXG18, Waz11b, XY14, YF10, yYsZyYL13]. **Regularized** [ZLW18, BGF15, Boy16, CCG18, CM11c, FKF13, FL11b, KBA11, LZ16b, LZ17, NZ14, Ros12, SBJ15, WQRZ14]. **regularized-stabilized** [FKF13]. **regularizers** [Liu15b]. **regularly** [ÇHK11, KMT10]. **reinforced** [Kia16, LHM11, RYK13, Sza15]. **reinforcement** [FHH13, PHM+19, ZR18b]. **reinitialisation** [AMGC19]. **reinitialization** [KWAS16, TS16]. **Reissner** [CCN14]. **relapse** [ZLY17]. **related** [AKS10, ANR11, BCSCB+15, BFG11, Che11a, DPZ13, DRS11, KT11a, KYR15, LS11d, MS11a, MN11c, NNAS11a, Noo11, ODR10, QH11, RSB14, RGVR17, SGQ12, VT11, WO10, YA11]. **Relating** [Med12, NODA11]. **relation** [BL10, CM18a, Gal10a, GC19b, HVA10, JYL16, LZCL18, YG11]. **relational** [GWL11]. **Relations** [Tia11, AH10c, BS10a, BL11, BCSCB+15, JMST11, LFJ12, PKK12, RRC11, RES10, RT10, RGdSRLAJ10, SKST10, SYL10, XY16, YG11]. **Relationship** [BCF10, DT11]. **relationships** [AX11]. **Relative** [BKT12, BZK12, LY10a]. **relatively** [CGHY11, LjHO10, Nil11, ZLL11]. **Relativistic** [Gal10b, Gal10c, QY13]. **relativity** [Gal10a, Gal10d, Gal11b, Gal11c, Gal11d]. **Relaxation** [SZZ11, ABL15, BOT14, FVVS16, GT15, GT16, KM10, KGM11, LZZC12, LSC17, MG15, OHK+19, RSS10, SKTC15, SKTC19, ZSW15, ZHW+18, Zha13]. **relaxation/retardation** [RSS10]. **relaxed** [Hua10b, SS17, Ver08, Ver12, Yan18c, YLK10, Zha19b]. **reliability** [CCDL10, DLT12, HH10a, KLTS11, Lin10a, LLW15, fNS11]. **reliable** [Abd18a, DFM15, EGG16, HM18a, KTDT17]. **RELS** [WCD10]. **reluctance** [MK18]. **relying** [BP18, Gos10]. **remaining** [MSH10]. **Remap** [KKVS19, PBM19]. **remark** [BS18a, DFG19, Hua10b]. **Remarks** [Eba14, LC10b, LB18, RR19]. **Remediation** [ID16]. **remodeling** [NCV+18]. **remoteness** [AH10c]. **removable** [SJS+11]. **removal** [DCKY15, LX15b]. **Removing** [HKHK13]. **renal** [KLY16]. **rendering** [LWHL12]. **renewing** [VCM11]. **repair** [VCM11]. **repairable** [Tod12]. **replacement** [VCM11]. **replacement-repair** [VCM11]. **representation** [BAO+12, Dej11, MWWL11, RMS10, RHD18, XKH10]. **Representations** [Ana11b, jASzZ12, DPM15, DSB19, Was13]. **represented** [fLcJ10, MTN19]. **Reprint** [GT16]. **reproducing** [Arq18, DA18c, WSCL11]. **reproduction** [AF13]. **repulsion** [Wan16b, ZMH16]. **request** [KK13b]. **request-based-revealing** [KK13b]. **requirements** [KX12]. **resampling** [HLC11]. **rescheduling** [OPDC12]. **rescue** [GW12b]. **research** [GZW+18, Sen12]. **reservoirs** [FLWJ11]. **Residual** [BDGG14, GCDG17, ÖKJR19, Wei17, ABT19, BPC17, CJN19, Haj18a, HLTL17, zLYmL18, MZES12, Naz13, OC14, RH15, SNEP19, Śmi11, SJHC14, VAK+19]. **residual-based** [BPC17, RH15, VAK+19]. **residual-free** [CJN19]. **resilient** [CUK12]. **resist** [Lin14]. **resistive** [AHHM19]. **resolution** [CAC14, DB10, LGHR16, LXZ13, TZXP11, THGG14, WZ16, dBD17]. **resolved** [GWR+18, NDC+19]. **resolvent** [BK11a]. **resolvents** [AD12]. **resolving** [Boy16, DSWB18]. **resonance** [Bai11b, ILP+11, LLL12, Yua18, ZBF11, ZLW18, ZCT18]. **resonances** [ACE17, Hei10a]. **Resonant** [GZZ+16, LZM18, ZM17a, KST10, WZ11b, WZMY18, ZM17b]. **resonators** [Hei10a].

Resource [BPKM10, ALMLM14, qGpWhL11, OPDC12, RR11]. **resource-leveling** [qGpWhL11]. **respect** [ABR10, MP11c, WLHZ14]. **respiratory** [IMD11]. **Response** [GB18, Bae10, BCC14, BKR10, CP16a, DDLM13, IMD11, JLWX18, KLY16, LLL13, LG10, Li13, Li14, LWD15, LKL+15, LY11c, MPMTV15, RS13, RSP18, XZL+11, YX16, YXWL14, YZMA18, ZL14a, ZLC11b]. **responses** [SM14]. **restart** [KL12b]. **restarted** [JW10, WNTW19]. **restarting** [ZG19]. **Restoration** [LHLH15, Bai19, BLS17, KJK18, KSZ18, LGHR16, LZ17, LHL14a, Liu16e, LZG19, LYSZ19, PGDL18, ZT16a, Zha19b]. **restoring** [HM10, LX10a, UCK16, YZM+19]. **restrained** [CLM11]. **restraint** [HL11c, ZTW+19]. **restricted** [Chu10, SWC11]. **restriction** [MR19]. **restrictions** [LGG12, ZLZ11]. **restrictively** [WZ17b]. **result** [DLS18b, EGSHR10, FH16, FIW17, LYZ17, NODA11, She18b, Yu17]. **resulting** [Fia15]. **results** [AKS10, AEO15, AR10d, AKRT14, AKS11, APS12, Bai11a, BK11a, Cha11a, Che12c, Cia16, CM10c, DN18a, DG10a, DQ10, DHMU16, DRS11, GRS12, HL18a, HSBL11, JL11a, Jia12, KR11, KSJ12, KYR15, LD13a, LC12a, LS19b, LZ19b, LH10a, LL10b, LL12e, Lü14, Luc10, MP11b, MP16, MSA12, MV11, Mos10, NUH12, PB11, RA11a, Sha10, She18a, eT10, TB10, Tim14, VRD11, WAZ11a, WS10b, WLL12, XDH16, Yak11, ZBF11, ZW11b, ZZ18c, dSAC11]. **retardation** [Lóp19, RSS10]. **retarded** [KMT10, WC10b, Yüz12c]. **retinal** [MAN+15]. **RETRACTED** [KYR11b, SK10b]. **Retraction** [JL20, JFS20, Pen11, SK12]. **retractions** [PB12]. **retrial** [AM11, CTD10, GD11, WY11b]. **Retrieval** [CJP12, CJP15, LKK12, xLlFwWL12, PDHL12, SBA10]. **reutilization** [PPC13]. **revealing** [KK13b]. **reversal** [BRROP19, SR16]. **reverse** [ZS11b]. **reversibility** [SAU11]. **reversible** [CYM13]. **reversible-irreversible** [CYM13]. **reverting** [BM12a, TC16]. **Reviewing** [AaC19]. **reviews** [LYX11]. **revised** [RA18]. **revisited** [PL10a, Sle13]. **Revisiting** [KKG10, WW10c]. **revolution** [PLW+18]. **reward** [ZZXY12]. **rewiring** [LJYS18]. **rework** [CCCW10, Chu11b]. **Reynolds** [BS16b, Far11, GHL18, HBK+19]. **RFID** [CJP15, CJP12, QCYL12, SPLHCB14, TZMZ12]. **RH** [PS12b]. **RH-conservative** [PS12b]. **Rham** [Oh15]. **rheology** [DKM17, ST14]. **rib** [LWWY12]. **Riccati** [BJS15, Ers16, Gen10, HVR18, KAJ11, LBW11, PIAH10, SH11, Yüz12b]. **Riccati-type** [Ers16]. **Richardson** [DZW16, DLZ17, FHZ10, FHZ13, GJX18, ZDF+14, ZGD14]. **Ricker** [BR13b]. **Riemann** [Abd11, HKK+16, LEN10, LS12c, Liu12, SK11c, TLR17]. **Riesz** [fDxZ12, Els10, LLFT17, ZLJ+18]. **right** [AT18a, CKN11, KM12, Mok11, NM11a, Raf12]. **right-hand** [AT18a]. **right-looking** [Raf12]. **rigid** [DVM12, MGN+16, PTH+16, YGR11]. **rigid-body** [YGR11]. **Rigorous** [BPR18, DW18a]. **Ring** [WMZW11, EHO+12, PBS12, SKdA11, Tso13, Yaz11, YAS+11]. **ring-deficient** [EHO+12]. **rings** [AKT10, AS11d, DZK10, DZY11, ÖI12]. **Riordan** [Wan10b]. **ripple** [MK18]. **rising** [ST15]. **Risk** [ZZXY12, CANA19, KC19, WC11a]. **Risk-reward** [ZZXY12]. **risks** [CWW15]. **Ritz** [AHV10, JW10, LPML19, RAD13, RS14a]. **rivers** [LZ19c]. **RLW** [AO13, KBA11, Li16b]. **RN** [Amb19, MPLR18, ZJ17, Zha18h, ZT18a]. **road** [VMAVGCM19]. **roadpricing**

[GVJ13]. **roaming** [SCKH10]. **Robin** [DA18c, Din13, DB12, Liu13, WRY18]. **robot** [KBGC12, Kuo16, LH12b, YC12]. **robotic** [TT12]. **robots** [SCC+12a, YLC12]. **Robust** [BV11, BR12b, FM18, FR16, FH17, Hua11, JZ12, Kun12, LZT11, LLC13, LZZ18, LCYC12, Lin10b, LLZ12, LCC13, MMRN12, Raf12, RTB14, ST19, Tom13, TMLF19, VMO10, WS12, AP19a, AHO16, BGF15, BS14b, CNSV17, CHBTD14, CJN19, CMS10, Hu15, HYL10, KJA10, KKL+13, LZ11a, LC12a, LZY12, LW10, MSA12, PC17, SZDO10, WZY13]. **rock** [BV10]. **Rofe** [Dos10]. **Rogue** [QTW+18, WTLS18, ZCT18, CZ18, DTYZ18, LM19a, LYC+19, ML19a, WTYZ17, YTD+18, YHC18, Zha18i]. **Role** [Grm13, BP13, KGM11, WHLC11]. **roof** [PBS12, ZD12]. **room** [JMDA13]. **Root** [PZ11b, Gem16, Ikh11, McN12, MP12, PZ11a, ZHB11]. **Root-finding** [PZ11b, Gem16, PZ11a]. **root-refiners** [McN12, MP12]. **roots** [BG10a, Boy16, GS12, KG11, LCN10, PPD10, ZM14]. **Rose** [CZMZ11]. **Rosenau** [AO13, CdR18, Li16b]. **Rosenberg** [CJMS10]. **Rosenbrock** [LO16, MT18]. **Rossby** [ZYSY17]. **Rössler** [BBDS11, MHM11]. **rotary** [Che12c]. **rotated** [ZZ15a]. **rotating** [CNH17, CBB15, MSH10, MMA12, ZLZG11]. **rotation** [GC19b, Mah14, NNAS11b, NNAS11c, Wan16b, WCQ+19]. **rotational** [ADGL14, NWZ11, YCW+14]. **rotationally** [HMY15]. **Rothe** [KQ11]. **rotor** [MH11]. **rotor-bearing** [MH11]. **rouge** [CTSX16]. **rough** [CP10, Gao12, LXL12, LSZ16, MZQ11, PB13, SH12b, WC10a, ZW11c]. **roughness** [CD12, LYN11, ZFZ10a]. **Roumen** [Sen12]. **Round** [Ikh11, LJJ11, LLSS13]. **Round-off** [Ikh11]. **rounds** [KLL10]. **router** [SSESG12]. **routing** [KHIB12, MKA+10, SRS11]. **row** [Ji14]. **RPIM** [LL19b]. **RTk** [Ben17]. **rule** [LZH16, LR17a, LSZ11, QZY11, SWC11, WD12]. **rule-based** [WD12]. **rule-of-thumb** [QZY11]. **rules** [AuIK11, HL18b, KOPS13, PCS13, Pap15, Som13, SAR18, WV15, XG10]. **run** [CM12b, FER15]. **run-time** [CM12b]. **Runge** [Boy10, FHZ13, KMS10, KAS11b, MVKK14, MBJ16, SLL17, TFS11, Tsi11, ZGD14]. **runs** [MP11b, MP16]. **rupture** [LZ10]. **Ruscheweyh** [Lup11, NA11].

S [Abd18b, EM19, KKAM11, Pan17, HSMG12]. **S-boxes** [HSMG12]. **S-H** [KKAM11]. **SaaS** [KLH+12]. **SABR** [LSV18]. **SABR/LIBOR** [LSV18]. **Saddle** [Ant10, BJQS18, BJ19, Bac14c, BQ15, BQ17, BLyS18, CM16a, CMR17, Cao19, CCG18, CBS18, Che15a, DYWL19, FZ14, FWZ16, HH11, HWXC16, HWXC18b, LM17, LM18b, LZ15a, LZ16b, LZ18b, Mia18, SR17b, SWS19, SBJ15, SS16b, Yan18c, Yun13, ZZ18a, ZL16, ZZ14, ZYW17]. **saddle-point** [DYWL19, Yan18c, ZYW17]. **safe** [KAK+12]. **Saha** [Abd18b]. **Saint** [ZTR11]. **Saint-Venant** [ZTR11]. **Salagean** [Lup11]. **Saleh** [EM19]. **sales** [SLCC12]. **salesman** [LYC12, tWqLzGkP11, ZGZ13]. **salesmen** [San11]. **Salié** [ZP10]. **Salt** [DCKY15]. **Samarskii** [BCK11]. **same** [Ikh11]. **Sample** [YYL11, CHL18, HW11]. **Sample-weighted** [YYL11]. **sampled** [LCYC12, THY+10]. **sampled-data** [LCYC12, THY+10]. **Sampling** [GV11b, HN18, Chu12a, Li12b]. **sandwich** [ASMEE11b]. **Sasa** [SR17a]. **satellite** [UKAL10]. **satisfying** [MW13, Tsi11]. **Satsuma** [LWW19a]. **saturated** [GQF+10, KMT19, MCR11, REHA11, RRAK19, SSS16, TRL19, UABK16, Yan12a]. **saturated-unsaturated** [SSS16]. **saturating** [RHMA18]. **saturation** [CNSV17, XMW10, Zho13]. **Sayed** [DR12]. **SBFEM** [LLL16]. **Scalable**

[Kan15, ALLQ13]. **scalar** [Fer12, Pal12, SLKK19]. **scalarization** [AHF10]. **scale** [AFGL10, BMS19, BJS15, CCY10, CChL14, CMT12, DGOZ13, FGHZ14, FLH10, FL11a, GW12b, GK19, LC12a, LHY11, LY13, LCQF19, Liu16a, LFZ19b, MS17, OPDC12, RJGS+19, SCA14, SM14, TAPA+17, THY+10, TRL19, WLYX13, WL17b, XBHN16, YWW+12, Zha14, Zha15b, ZLC+11a]. **scaled** [DM15, Śmi11]. **scales** [Ana10, Ana11b, BG10c, Can11d, ÇT12, DGK10, Dos10, FL10, GGEB12, HY10, HEP10, HZ11, Hon10, LCW10, Li10d, Li11a, LXP11, MP11a, MT11, MZB10, PW11, Rah11a, Rah11b, Sar10, TD10b, WSG10, WZ11a, YX11a, Yas12, Zen11, ZFZ10a, ZFZ10b, ZHJ11, ZGW11, ZQ11b]. **scaling** [LS10a, Mac12b, XM15]. **Scattered** [ZL13, HH10b, LW19a]. **scatterers** [HMY15, Liu18b]. **Scattering** [HCT12, BJRF19, BT14, CHS18, Col18, CDS15, GN19, HMY15, Hei10a, HMZ18, KK19a, LZ18a, LSZ16, MDG19, NJ16, Par17a, SBB+18]. **Schauder** [Yil10]. **Scheduling** [WSS10, AK12, AA10b, ÁBÁPM11, AA10c, DM12a, FLWJ11, KX12, Lee11c, LLW11, LCC12, LBH+12, MMR10, MMR11, RT11, RR11, Wan08, WW10a, WWW11a, WWW11b, YY10c, YH11a, YX11c]. **Scheme** [CM11a, YMDZ10, ABT19, AZ17, Ara18, AGPCC10, AKA11, BN14a, BSL11, BMSS18, Bra10, BGM19b, CB11c, CFN11, CBBE16, CG13, CTZ17, CV14, CKRW19, CPL11, CCM14, DL19, Def10a, Def10b, DM15, DM10, DGT18, DFW+18, DH18, DZ17, DLT10, DL11, Dun18, EO14, EAMA19, FSH10, FM19, FM11, Fis18a, FIS18b, GMS15, GS15b, GDM13, GA10, HMF+19, HD14b, HLL+15, HD16, HLSN16, HD19, HKW15, IC12, KKT13, KO11a, KS10a, KK13b, KA10b, KSMT11, KSS13, KS15b, Lee11a, LS19a, LJJ11, LF11b, LLML15, Li16b, LW17, LZPZ19, LZZ19, LWHY10, LC10c, LCLL16, LH12b, LZB15, LLYL19, Ma19, MD18, Mah14, MDBCF16, MP19c, MMH11, MM18d, PZZ18, PCO16, PC17, PBM19, PW18, PRS18, QZ16, QX19, QCS+19, RAZ19, RZ16, RR18, RS15, RQ18, RTRR18, RRO17, SNMA12, ST15, Saj12]. **scheme** [SZA+18, Sha12b, She12, SWL16, SLW14, SR10a, zSdZ10, SSL14, SR18, WZXL11, WMZW11, WW14a, WV14, WV16, WZM+16, WH16, WLL+18, WBZY18, WRY18, WMP+19, WZC+19a, WSCW16, WX18a, WCLD18, WCZ+19, XGH17b, XW18, YZMZ16, YWK+10, YT13, YT18b, YK17, ZYWZ17, ZPWY12, ZZL+18b, ZÖXL+19, ZC11c]. **schemes** [AD16, AM12c, AY12, AA13, ADGG13, ADGL14, BZ18, BS18a, BDR19, BKNR19, Bra16, BMH19, CGH14, CYP16, CLM12, CLM14, sCYhX18, CS18, Cie13, CG14, DNS16, DL16, DZ18, Dub13, ED12, FDXW11, hGzS15, GGT14, GL16, Gur13, HB19, Ima17, JYYL16, KA11, KVV14, KPG18, KRBS18, KGM11, LCM14, LZ16a, LX18, LLG10, MP19b, MHM11, NH15, OF16, PS16, Por18, Rhe10, SZC+18, STDLM19, Tan18, Wan16a, YL13, YDW15, ZMM18, ZH15a, ZQ14a]. **Schiff** [AKMUH17, CM18b]. **Schinzel** [CBKR10]. **Scholes** [Bho14a, Bho14b, CHXL18, CXZ15b, CWY19, Dav17, DH17, HG18b, Jum10, LC13, Moh15, WY19a, ZLTY16, ZH18b]. **Schrödinger** [Ali15, AS11b, Bao16, BZ18, BC10, BJPT16, CDW11, CF16b, CTC17, CTG17, CT17a, CHZ19, Cov13, DM16, DZ16, FJ19, FZ18, GL10, GTC18, GMP18, GL17b, HP17, HA16b, HXL11, Hu18, HTWS15, HXS+15, HLX18, Iom18, JZJ18, JKS19, KMS10, KK13a, LS17a, LL19a, LK18, LRZ18, LT15b, LTJ+16, LC16, LLT16a, LLT16b, Lü14, LL14b, Luo18, MKHC11, MI16, PZA19, PJ17, PLT17, QCT17, She18b, SC16,

SMBY10, SBM13, zSdZ10, TCHW19, VMC+14, Wan15, WHTZ16, WH16, WZKY12, WZ15, XLT17, YL16, Ye17a, YTC+18, YW19, ZDLC14, ZTZ16b, ZC16, ZZM17, ZH18a, ZLG18, ZW11d]. **Schultz** [Pet14]. **Schur** [EMRS12]. **Schwarz** [Cal19, DdSF13, DGR18, FMPR15, KZ16, LDHH13]. **Schwarzian** [Asl10]. **Science** [GGAVGG19, KLK13, LAM+16, YLLK14, DELK13, He11, HLK10, KFYW11, LLR+19, PHWM10, ZLG+11]. **Scientific** [GIM15, FGHZ13, FGHZ14, LCQF19]. **scores** [Mok11]. **SCR** [CI18, CHY19]. **SCR-based** [CHY19]. **scrambling** [LH10b]. **scrap** [CCCW10]. **screening** [LSW16, WD12]. **screw** [HHS+17]. **SCTP** [LJJ11]. **SDE** [HW11, WZG19]. **SDEs** [ZZWG16]. **SE** [RAZ19]. **search** [EMRS12, HSD10, LW11c, Mai16, MO14, OMS10, SBKS12, VB10a, tWqLzGkP11, WZ17b, WQNF12]. **Searching** [YC10b, AAR11, CD14, CDP16, CM13a]. **Secant** [CAH11, Cvi11, EGGS+12, WKG10]. **secant-like** [WKG10]. **Second** [BGM19b, CHS18, GGT14, KKVS19, MA10b, PN10, WLL+18, ZM16b, AAZ10, AJ10, AJ11, AJ12, ALI11b, BM11a, Bac14b, BD11a, BD11b, BQ17, BDS10, BS16b, BBBM16, BMH19, BS15c, Can11d, CM11c, CT11b, CLTA11, CWQJ12, DGL12, DWS19, Don10a, DFW+18, ED11a, FM11, FN14, FZL+18, GY15, GMI12, HSD10, HH17, HEP10, HLL+15, HF10, Hua10a, KO11a, Lee15, LL11, LZKU11, LCZ11, LX15b, LLLW18, uHS12, MM18a, MSG11, MBJ16, MB10b, NPD17, NZ16, OCNG12, ÖZ11, PC17, RSDR11, RCH19, RR14, SNMA12, SL12, Sal16, SBvdV13, Set12, Sou12, SKM11, TJ10, THC+18, TMDTTC16, Tod15, VRD11, WS11a, WRW13, WTM17, WW19b, WLZ18b, WHS12, XZC12, YX11a, Yan15, YJ19, YZY10, Zak18a, ZA10, ZYWZ17, ZFZQ10, ZJ10b, ZGW11, ZQ11b, ZL11, ZLL12, ZHL12]. **Second-invariant-preserving** [KKVS19]. **Second-kind** [CHS18]. **Second-order** [BGM19b, WLL+18, ZM16b, AAZ10, ALI11b, Bac14b, BD11b, BDS10, BMH19, Can11d, CM11c, CT11b, DGL12, ED11a, FZL+18, GMI12, HSD10, HH17, HLL+15, KO11a, Lee15, LL11, LCZ11, LLLW18, MBJ16, MB10b, SBvdV13, SKM11, TJ10, THC+18, TMDTTC16, Tod15, WTM17, Yan15, ZA10, ZYWZ17, ZFZQ10, ZGW11, ZQ11b, ZL11, ZLL12]. **secondary** [DFM15]. **Secret** [KK13b, OO10, ZPWY12]. **section** [LZ12b, HPV+18]. **sections** [Ahn10, WY18a]. **sector** [ATH18, CCH+12, MG15]. **sector-based** [CCH+12]. **Secure** [SPCS13, dlPBTW13, CPL11, FSH10, HPY10, KRM+10, KLL10, LYM12, LLX+10, OO12, OYXK12, PKTH13, UKAL10, WMSH11, yYqWqZC13]. **Security** [AJJAD+10, LLSS13, SPCS13, Ge10, GH12a, KKG10, KX12, LHHZ12, LWHY10, LC10c, NCL13, Ögü13, PHWM10, QCYL12, Zha11b]. **sediment** [CWW19]. **sediments** [JQG14]. **seepage** [FJB19, KP19a, SVY16]. **Segel** [FL13b, FHA16]. **segment** [FdOdSS17]. **segmentation** [CB19a, FJWW16, FQLC18, HCL11, LK11, LTL+12, PZAR19, QXLL11, XJYL17, YZWW14, yYsZyYL13, jZsQdLmG19]. **segmentations** [HT16a]. **Segmented** [DE11]. **segregation** [AB16, Ara18]. **Sehgal** [PRR10]. **seismic** [BPM12, LKL+15, Por18]. **seizures** [HPR19]. **selectable** [GLM+11]. **selected** [PKD19]. **selecting** [Che12a]. **selection** [BKM11, BKK11, CSSW12, DFS11, DMPV10, HLC11, HCL11, KJK18, KBDC12, KLP10, LS11c, LHL14a, MLY11, PTL13, WZ17a, WZG19]. **selective** [KÖC+18, SSIP19, SM19, BGM19a]. **selector** [QZY11]. **Self** [BGGCGRSP16, YS19b, Bur13, FOX11, FSCG11, HP10, HM19, JWX+13, KLMV12, TBP19, YMHL18, Yu11b, pZ10, Zha17b,

Zha17a, ZLY+13]. **Self-adaptive** [BGGCGRSP16, FOX11, HM19, Zha17a, ZLY+13]. **self-adjointness** [Zha17b]. **self-consistent** [YMHL18, Yu11b]. **self-force** [TBP19]. **self-normalized** [HP10, pZ10]. **Self-Optimizing** [YS19b]. **self-organizing** [Bur13, JWX+13]. **self-shrinking** [FSCG11]. **self-similar** [KLMV12]. **selfadjoint** [AD10a, AD11a, Dra11a, Dra11b]. **selfish** [CQLX11]. **SEM** [ADZ19]. **Semantic** [JTCC11, Ogi12, BL11]. **semantics** [WYY11]. **Semi** [CH17, DYH11, LM17, LXL14, MPMTV15, TC16, YTL+18, ZZ14, AJAR18, BG15, CM16a, CWHW17, CCG18, CLC16, De 10, DFM15, DBH+14, EO15, GGGR13, HKJ14, HHY13, JKB11, LL14a, Lee15, Lee17, LM19b, LRH13, MWWL11, Mia18, PLW+18, QRMH18, SRGL13, TA11, UKI11, WLYX13, XZ10, YH19, ZSZ17, ZL16]. **Semi-analytical** [MPMTV15, AJAR18, LL14a, Lee17, TA11, UKI11]. **Semi-convergence** [LM17, ZZ14, CM16a, CCG18, LM19b, Mia18, ZSZ17, ZL16]. **Semi-discrete** [CH17, HHY13]. **Semi-foldon** [DYH11]. **semi-implicit** [DFM15, XZ10, YH19]. **semi-infinite** [CLC16, De 10]. **semi-inverse** [JKB11]. **semi-Lagrange** [EO15]. **Semi-Lagrangian** [TC16, BG15]. **semi-linear** [HKJ14, Lee15, LRH13]. **semi-monotonic** [DBH+14]. **Semi-rational** [YTL+18, QRMH18]. **Semi-structured** [LXL14, CWHW17, GGGR13, SRGL13]. **semi-supervised** [MWWL11, WLYX13]. **semiconductor** [FP19, HDS11, HHS+10, MDW13]. **semicontinuity** [AKV11, CLF10, SSL11, WL17a]. **semidefinite** [DP15]. **semidiscrete** [NSYY13]. **semigroup** [Buo11, CLCF14, Pir11, SKdA11]. **Semigroups** [SJN10b, Ali11a, BR12c, JMLF11, SDM10, SK10a, SJN10a, Yan11a]. **semihypergroups** [AMD10, JMLF11]. **Semilinear** [ANP19, Bra16, CL17a, CZN12, CCD10, CC17, HLW19, JPK17, JFC14, KB15, Li18c, LX15a, MT18, MT19b, Oua12, SRM11a, SS16c, Tia17, TNHK19, Wu18b, XZC12, XDH16, ZH19, lZxLhY12]. **semilocal** [CAH11]. **Semimartingale** [Dun11]. **semiparametric** [LLG+11]. **semipositone** [DGK10, LS11a, ZJ10b]. **Semirigid** [KP19b]. **semiring** [BMS12]. **semiring-based** [BMS12]. **semismooth** [XX17]. **Senator** [LX10a]. **sense** [GDZ11, Set12, ZRC11, sHC11]. **Sensing** [BMP15]. **sensitive** [San11]. **sensitivities** [GSS11]. **Sensitivity** [ADY12, WCB13, WLHZ14, AD19b, BNP18, DGOZ13, JLL19, LGL+14, ODAZ15, SJL+19, WLT13a, WPL16, Wan18, ZMWH18]. **sensor** [CQLX11, CL12c, CMS10, Chu12a, HB12a, HCL12b, JCWZ16, PHPK12, SLXC11, ST12, WCB13, YXP+13, YDK+12, gZnZpZbD12, dlPBTW13]. **Sensorless** [LC12b]. **sensors** [LX12b]. **sentiments** [FPW+11]. **separable** [LL17, XJLX10]. **separated** [Dol11, STS19, YL18a]. **separating** [AD19b, PXT10]. **separating-reattaching** [AD19b]. **separation** [IK12, LD11a, TAPA+17, YXX11, ZS18]. **SephadexTM** [LCA+17]. **September** [Ano18-74, Ano18-56, Ano19-53]. **septimal** [Che18]. **sequel** [KAA19]. **sequence** [AES11, ÁBÁPM11, BD16, CM12a, DÇ12, ECY11, FKDN15, FBB10, Ham10, Haz11, KB10c, Lee11c, MN10c, MN11c, MKPS11, NNL13, Sön11, TÇ11, TD10a, YT12]. **sequence-dependent** [ÁBÁPM11]. **sequences** [Bor11, Çak11b, Çan11a, ÇHK11, Çan11b, CM10c, DG10a, DGOZ13, Hak14, KS11, LTX10, LFJ11, LSJ12, MP11b, MP16, Mor10c, Mor10d, MME10, XC11b]. **Sequential** [AN12, Fur13, NKA18]. **sequestration** [TZ18]. **serial** [CKK+10].

Series [RY11, Tur10, Ala10, AM13c, CCJ10, CCJV11, CHT11, CS10b, ED11b, Gos10, GR13b, HZ18, LS11d, MWWL11, Mor10a, PW11, SMBY10, yS10, WHG11, WS11b, YMSL11, dPRVRB13]. **series-form** [HZ18]. **server** [LXYT11, WY11b, WMSH11]. **server-aided** [WMSH11]. **servers** [GD11]. **service** [BL11, Cha13, CTD10, DFS11, KK12, LLX+10, MKA+10, TYY+12, YC12]. **services** [KC12]. **servicing** [VC12]. **servo** [BMJ10]. **set** [AMGC19, AvdW13, BS10a, BBR10a, BDF16, BR12c, CMS10, CChL14, CP10, CCP19, CAC14, DLQ16, FHH13, GXZ10, GXZ11, HMF+19, HRMS10, HRMS12, Hon10, JPS10, JLP10a, JY11, KR11, KWAS16, LKS10, LC10b, LCC12, PKK12, PZAR19, Pop13, ST15, SPT17, TS16, WD10, WG11, YLY+09, YG11, ZW11c, vdW14]. **set-up** [LCC12]. **set-valued** [AvdW13, CMS10, HRMS10, HRMS12, JPS10, KR11, LKS10, WD10, vdW14]. **sets** [AKT10, ATZ11, ASN11, ACD+11, BS11a, BL11, BK10, CCBSRFRM11, CT10a, DDD10, Dol11, FLLF10, Gal11a, GV11b, GN11, HDT11, HLY12a, JTC+10b, JTC+10a, Jia11, JTCC11, JMST11, KST10, LMW10, LZH12, LXL12, LWBW13, LZYW13, MSQ+11, MS10a, MZQ11, MN17, Pop14, SA11a, gShYL10, TK11, Tia11, WYG12, Wan13a, XGXZ10, XZC12, XMWH10, YLJ12, ZJ10a, ZZT11]. **Setting** [LYLX11]. **settling** [CV14, DFM15]. **setup** [ÁBÁPM11, Lee11c]. **seventh** [FM19, RG18]. **seventh-order** [FM19]. **Several** [AB18, HR15, Zha18g, LXK11, MJ10, MRR11, Ped18, RSS10, WLW16]. **severity** [HSBL11]. **SFDD** [JS12a]. **SFOPDES** [GGAVRC+19]. **SGL** [YLF19]. **SGS** [AD19b]. **Shadow** [XLZW11]. **shadows** [JK11c]. **Shafer** [KBDC12]. **shaft** [Che12c]. **Shallow** [GZD18, HIS19, KK19b, LMPE18, LLG10, LZ19c, Men18, MDBCF16, PLMS14, RAZ19, RRO17, SZA+18, WBN18, WFL11b, YLG10, ZÖXL+19, ZQ14b, ZDZY17]. **shallow-water** [MDBCF16]. **Shamanskii** [HM19]. **Shamanskii-like** [HM19]. **Shan** [KM10]. **Shannon** [BPM12]. **Shape** [APT11, DRZ10, ZB19, CHL18, CPT15, DO11, DNS18, FJB19, FKDN15, GW15a, KP19c, LK14, LH19, Luh12, Pop14, SR10b, Tha19a, WvDRG19, Wu11b, YLLN16]. **shaped** [CNR10, She16]. **shapes** [FKDN15, WY18a]. **share** [LY11a, LSM11, ZPWY12]. **shared** [WKP+14, WY19b]. **sharing** [CZ10, OO10, OO12, ZY10a, ZX11, ZPWY12]. **Sharp** [Cia16, GH12b, XL10, Ciz12, KT15, LG12, Liu10]. **sharpening** [MA16]. **sharply** [MSTB17]. **shear** [ATH18, BKR10, FZBF10, HHS+17, HZLM10, HWY14, Kia19, LGC+17, MSV18, MJWD19, MLSLM15, Sea15, VGC+15, Wan14, WD16, Yan19]. **shear-dependent** [HZLM10, Wan14]. **shear-thinning** [BKR10, HHS+17, MLSLM15]. **sheet** [CYZZ18, Das12, FG18, KWFY11, RRP16, Sah11]. **sheet-driven** [Sah11]. **sheets** [GF16, KHF+19, RY10, WL17b]. **shell** [CRA19, DRS11, Hak14, LGC+17, MTN19, MJWD19, PBS12]. **shell-like** [DRS11]. **shells** [GR15, LPML19, PLW+18, VĆV11, ZTW+19]. **Shepard** [CDD12]. **shield** [YLDL11]. **shift** [CM16a, CMR17, Cao19, HWXC18b, SR17b, SS16b]. **shift-splitting** [CM16a, CMR17, Cao19, HWXC18b, SR17b, SS16b]. **Shifted** [DHY19, GHM+14, LHL+14b, WmN13, WNTW19, ZT16a, ZG19]. **Shishkin** [DN18b]. **shock** [Ban13, BSS18, BMS13, EK16, ILV+19, XZL+11]. **shocks** [GM18b]. **shooting** [SM14]. **shop** [AK12, DM12a]. **Short** [FLWJ11, ABB17, BMY13, CPL11, HCL12b, VMC+14, WC10a, XH11b, ZPWY12]. **Short-term** [FLWJ11, HCL12b]. **Shortest** [Gao11, YDK+12, TMMASG10]. **shrinkage**

[WC11a]. **shrinking** [CGHY11, Das12, FSCG11, KWFY11, KN12, RRP16]. **shrinking/stretching** [KWFY11]. **SHSS** [LM19b, ZM16a]. **shunt** [Ala10]. **SIAM** [HPV+18]. **Sibanda** [Pan17]. **side** [KM12, KLL10, STS19]. **side-channel** [KLL10]. **sided** [FZL+18, MY13, SJPS11, ZD12]. **sidedly** [CST14]. **sides** [AT18a, CDG15, NM11a]. **Sign** [LC10d, Bao16, CTC17, CTG17, CT17a, CHZ19, CT17b, DL14, DLS18b, HY10, HY18, LL19a, LL11, LY14, Li18b, LC16, Su12, ZT18a]. **sign-changing** [Bao16, CTC17, CTG17, CT17a, CHZ19, CT17b, DL14, DLS18b, HY10, HY18, LL19a, LL11, LY14, Li18b, LC16, ZT18a]. **signal** [BPM12, JLL19, ZT19, ZHJD13, ZXW13]. **signal-dependent** [JLL19]. **Signaling** [SLXC11, KPG13, XBHN16]. **signals** [CM10a, DB10, HCT12]. **signature** [CPL11, FSH10, LWZG10, Tso13, WMZW11]. **signatures** [WMSH11]. **signcryption** [HPY10, LHHZ12, LWHY10]. **Signorini** [AD16, LY15, Zha17a]. **signs** [KK12]. **silica** [SKCL19]. **silico** [CANA19]. **silicon** [SKH12]. **similar** [KLMV12]. **Similarities** [OAY11]. **Similarity** [KKK16, Zha19c, BL11, CYZZ18, FPW+11, KKK14, KKK15, KK17, KTK18, Lam12, VP11, WK13, XZL+11]. **Simple** [CUK12, KKJ15, AP19a, AA15, AAP12, Che11c, Che14, FGB19, Gur13, HD14b, HL11c, LK15, LMW10, Liu18b, Moh14, WCH18, WHS18, XY15, ZZ19, Zha15b, Zhe11]. **Simpler** [ZG19, ZWY19]. **Simplest** [CJ18a, HMWZ16, JKK12, YS16a, ZSAN18, ZSAN19]. **simplex** [WZW10]. **simplexes** [Von19]. **simplices** [KK14b, RR19]. **simplicial** [Tod13]. **simplified** [GFZ16, XWL18, YF10]. **Simplifying** [NCV+18, XA13, Tsi11]. **Simply** [KBS11, ZWL11]. **Simpson** [SSO10]. **SIMTHESys** [IBG12]. **simulate** [DFJS10, RR14]. **Simulated** [dCMdSGTdC+16, Che12a, VB10a, ZLY+13]. **Simulating** [ALHZMC+19, AML+14, BDPM12, LR17b, YNS+14]. **Simulation** [ARESH18, AM10b, BHK16, BR13a, DM10, GK19, HLSN15, JMDA13, KRAS19, MM19, PC14, QWGJ15, ST14, ZR16, AM13b, ASSV18, BCCZ18, BKL14, BGM19a, BRFH16, CZY11, CLB14, CCY18, CGS12, CJPB10, DRT+15, DGL12, DM16, DSK+14, DSL11, FSZS18, FER15, GQF+10, GLW13, GZR+13, GW12b, GSY10, GIMZ14, HBK+19, HHS+17, HS18, HPR19, HTL10, HLL+15, HKW15, Ima17, JK12, KP18, KORR10, LK13, LZZC12, LCLL16, LYN11, LDL10, MNJ+13, MMFT+19, MJ14, MNPD15, MD15, MDW13, NKM16, NNL13, NDC+19, Özd18, RMK19, RTRR18, RCG15, SSM+17, SK14a, Sag10, SSIP19, SRDD17, SG11b, SGK18, SNEP19, SKTD13, SKFG11, TTT10, THC+18, TY13, UMLF13, Wan19a, WWH12, YSW16, YZ15, YGH11, YLL+14, YCW+14, ZY15b, ZZL19, ZZC13a, ZZC13b]. **Simulations** [AR17, AVV18, ADD+15, BGP13, CIN+18, CYP16, CM15, Cos18, DSWB18, DTR19, DFM15, FP19, GGAV18, GGGR17, GSD+19, HH17, HMSC10, HIS19, ILP14, JK10, JK11a, JGK13, JO19, KHWK10, KVR11, Kup10, Kup14, LDW11, LLML10, LHM11, MMS+18, MUB+16, MLG17, OHK+19, PTH+16, RKD18, Rua19, SSHH+18, SL16a, SSK13, SZC+18, Tro13, WWLL13, WL13b, WBN18, WS16, WCZ+19, XFH19, YLF19, ZLS19, ZLHF19]. **simulator** [LWHL12]. **Simultaneous** [CL19, DIS19, HLI14, Ikh11, LW19b, MO14, XC11a]. **simultaneously** [Ned12, WQRZ14, ZL12b]. **Sinc** [MN11a, AEG18]. **Sinc-collocation** [MN11a]. **sinc-Galerkin** [AEG18]. **sine** [KTDT17, LZWC16, MPfTX18, WL17a, ZWG11]. **sine-Gordon** [KTDT17, LZWC16, MPfTX18, WL17a]. **Single** [BTEM19, DM19b, Wan08, WW10a, WWW11a, WWW11b, YH11a,

ALHZMC+19, BRFH16, BO10, BSN13, CNH17, DJD18, Gal12, JL12, KGJ11, Kia18, Lee11c, LLW11, LYLX11, LXYT11, MR19, MMR10, MMR11, OHK+19, PP10, SYO12, TY13, WHC12, WS16, WL17b, XWY17, YY10c, YX11c, ZQ14b]. **single-** [BRFH16, OHK+19]. **single-buyer** [BO10, KGJ11]. **single-eyed** [CNH17]. **single-layered** [WL17b]. **Single-machine** [Wan08, YH11a, Lee11c, LLW11, YY10c, YX11c]. **single-pass** [WHC12]. **Single-phase** [BTEM19, DJD18, WS16, ZQ14b]. **single-stage** [JL12]. **single-step** [XWY17]. **single-vendor** [BO10]. **single-walled** [Kia18]. **singletons** [AD11c]. **Singular** [BCF10, LCP16, WCCS15, AR10a, ABJ11, AM10c, AD10b, BS12a, Boy16, CHS11, CM16a, CCG18, CCX13, CCCW16, CR13, CG15, DYWL19, DLS18b, Elb15, Erg19, FID14, FZ14, FSHZ11, Fer12, GMI12, HLWX11, HS11a, HKI12, HH11, HX14, HWXC16, Ibr11, Jal14, JW18a, KA10a, KN11, KS12b, LW11a, LFC16, LS16, LM17, LM18b, Li19b, LM19b, LZ15a, Mia18, MS12b, NB17, Ols10, Oru19, QX19, QWL19, QCG15, SC19a, SR17b, SS16b, Sta11, Su12, WCH18, Wei10a, XLD11a, XLD11b, YCLY15, Yüz11, ZSZ17, ZJ10b, Zha10, ZLC+14, ZL16, ZMWH18, ZZ14, ZCY11, dSSV17]. **singularities** [Cho17, CCK18, Dos18, FRSW11, KL16b, PPC13, RSWZ10, WS17]. **Singularity** [YMM12, CK15, DBS12, NB17]. **singularly** [AHO16, BZT16, CG14, CJ15, CX18, DN18b, FM18, FR16, FH17, HO19, KAG11, KSMN11, KK14c, LN98, Li10c, LGVS19, MN10a, RS12b, Tur10, WSCL11, WZY13]. **sinh** [FYYT11, LZWC16, LS16, SH11, Wei10b]. **sinh-cosh-Gordon** [FYYT11, SH11]. **sinh-Gordon** [LZWC16, Wei10b]. **sink** [EA10]. **Sintered** [FSM19]. **sintering** [WA19]. **sinusoidal** [HHM12]. **SIP** [CCK12]. **SIPG** [BCG17]. **SIR** [Aki17, Gur13, LJYS18, MMOJ14, Sun10, ZK16]. **SIRH** [ZLY17]. **SIRS** [XMW10]. **SIS** [CHS19, LRV13, XL15]. **Sit** [RIW12]. **Sit-to-Stand** [RIW12]. **site** [LLL13]. **sites** [LYX11]. **Six** [Boy10, BJLZ12, YMM12]. **six-DOF** [BJLZ12]. **sixteenth** [GK11b]. **sixteenth-order** [GK11b]. **sixth** [AH11a, DLZ17, LJ10a, WX18a]. **sixth-order** [AH11a, DLZ17, WX18a]. **size** [ALMLM14, EAAS18, GLW13, GGGR17, GD16, HL12, HHM12, RMK19, SSPL10, WAG+14, WHLC11]. **size-structured** [ALMLM14]. **sizes** [AM12c, SM19]. **sizing** [CCY10, DRK11, DH10c, WW10c, ZLG+10]. **skew** [DH10b, JW15, SWC11, TL10b, WLD13, WLM13, WHW11, XCS18, ZYW15]. **skew-Hamiltonian** [XCS18]. **skew-Hermitian** [WLD13, WLM13, ZYW15, ZS16]. **skew-symmetric** [TL10b, WHW11]. **skewness** [BKM11]. **Sleep** [SSM12]. **Sleep-based** [SSM12]. **slender** [FXCC18]. **Slepian** [Gos10]. **slice** [IS12]. **slider** [Far11]. **Sliding** [HGN+10, CZMZ11, CL12b, FDB13, FKC12, HLCY12, Kuo11, LZY12, PC12, YWHC11]. **sliding-mode** [CL12b, Kuo11]. **slightly** [AP19b, ZR18b]. **Slip** [Das12, DSM18, GB16, HKS19a, IBSS11, LTT13, MC10a, RR14, Sah11, UKA15, UABK16]. **slip/temperature** [RR14]. **slipping** [STS19]. **slope** [RAW+16, VFM19]. **sloping** [FER15]. **sloshing** [WCH13]. **slotted** [TZMZ12]. **slow** [BG13]. **slowly** [Çak11b, LSM11]. **Smagorinsky** [GWR+18]. **small** [Bao16, BO18b, CHM18, Gur13, HAESLB14, JMDA13, KJA10, KALAS11, KYW+18, PQBK17, Sha14, WH11b, WZY13, WW15, YLY12, Ye15, ZX11, ZH19]. **small-gain** [KJA10]. **Smarandache** [AS11a]. **smoking** [EZM12]. **smooth** [AM10c, CsH10, CS11c,

DSL11, DHMU16, HH18b, JZL18, KV17a, KV17b, KBAF18, LZ19a, SDH13, Seg19, YJ19, YN16, ZZ16a, ZZL18a]. **Smoothed** [ATO19, WRW+19, FM11, LL19b, SPP18]. **smoother** [ACC18]. **smoothers** [Che15a]. **smoothing** [CM11c, LGC+17, MZES12, NZ14, ZXW13]. **SMS** [KRM+10]. **Sobol** [DGOZ13]. **Sobolev** [BKT11, BK12a, DSL18, FWW14, HGHA19, HCF16, HR19, LL16a, LS19b, LLZ18, RSB14, She18a, SW16a, SC19b, WS17, ZLL17]. **soccer** [TT12]. **social** [DW18b]. **Soft** [AKT10, Ali11a, AS11d, BS10a, ÇE10a, ÇE10b, ÇKE11, MZQ11, SA11b, THB12, WYG11, YKD11, ZJ10a, ASN11, BS11a, CD12, FLLF10, GXZ10, GXZ11, AB11, HLY12a, HA11, JTC+10b, JTC+10a, Jia11, JTCC11, JLP10a, JY11, LZH12, LFJ12, MSQ+11, MS10a, MS10b, Min11, ÖI12, PKK12, SA11a, SN11, TK11, WYG12, Wan13a, XGXZ10, XMWH10, YLY+09, Yan11a, YG11, YJZ11, YLJ12]. **Software** [HH10a, SBB+18, CCDL10, JPP12, KLH+12, LZL+18, LYL12, NEB14, PLT+19, Rob14, ZHQG12]. **soil** [GQF+10, LLL16]. **soils** [WC11a, YLDL11]. **solar** [BZZ+10, SKH12]. **Solid** [WKBR18, BPZ19, CPP10, CM19b, GLLC19, HAESLB14, HLSN15, JNJ+11, LL19b, MMT18, SK14a, SRDD17, WAG+14, ZLC+11a]. **solid-solid** [CPP10]. **solids** [FM17, RNQ13, RNQ16]. **Solitary** [AKMUH17, DTYZ18, KK19c, Cha11c, Chu11a, ES17, FER15, GZW+18, KK19b, Kuo18, LD11b, LGZ19, LGH+11, zLZ19, Man18, NTR15, RNB11, Sea15, SIL19, SMYK19, TZ15, Tao18, WTYZ17, WF18, Wan19a, WL16, YTD+18, YYLW19, ZLL14]. **solitary-wave** [TZ15]. **Soliton** [BC10, JPB11, KK17, KT18b, YYC11, ZTSC16, Bis10, Elb15, GTZ19, HLLM19, HTY+19, HTWS15, KTK18, Kuo18, LMMF17, LMDL11, LTSW16, LL16d, Liu18a, LZM18, zLZ19, LWW19a, MCF18, ML19a, MGS+14, OVV+16, Osm18, XX10, YTD+18, ZZ11b, ZCZ17, ZDM11, ZTZJ14]. **solitonary** [NNWAS11]. **solitonic** [LWL11]. **Solitons** [CTSX16, ZSAN18, AGT19, CDW11, Che18, Elb15, QTW+18, TTG16, WW18a, YHC18, ZCT18, ZM17b]. **solute** [Kup14]. **Solution** [EG10, GVSP12, HA18b, RMA10, AB10a, AM13a, AJRWS12, AaC19, AIIZ10, AJ12, AS11b, Alo11, AKL18b, BMAR18, BS16a, BGRS11, BD16, BDF16, Bis14, Bis10, BOT14, BT14, BHJ14, BL17, BN14b, BK10, BPF13, CCJ10, CCJV11, CM11a, CNR10, CP15b, CB11d, CLF10, CYZZ18, CHL18, CJK17, DWY15, DLZ17, DD19a, DAM14, DNP15, DFGG13, DM12b, EMQ18, EM19, EZRR10, EOM11, ESL11, FR15, FLZ14b, FJC16, GMP18, Gha18, GY11, GALO18, Goo11b, GR13b, GW15b, HZ18, HG16, HVR18, HHNLGC18, HB12b, HSZ15, HT12a, HQ19, HXL11, HLZD11, HGW11, HXS+15, HM15, HM17c, HT19, IBSS11, JKN10, JFC14, KB19, Kat11, KV10, KP19a, KPR13, KBCS16, KCC+13, KRD16, KAS11b, KY11, KS12b, LS10a, LS11b, LGG12, LCK13, LSZ16, Li18e, LT18, Li19a, LZ11d, LZ14]. **solution** [LY11d, Liu14, Liu16a, LLT16a, LLT16b, LCW17, LLP19, LWW19a, LSV18, LLL16, LMP13, LXYT11, MX10, MDW11, MWL18, MDRRV11, MGY11, MO14, Mil18, MN10a, Moh14, NT17, Oru17, ORR16, Pan11, PMM17, PAE+12, PJ17, Pop13, Pop14, RKP12, RY11, RNB11, RBB12, Ran15, RCM11, RC17b, RZZ19, SD10b, SD11a, SMK18, Sat11, STS19, SYI12, SSH15, SBS12, SA16, SKPW14, SMBY10, uIAA15, SWC11, SKM11, SK14b, TZ18, TAS11, TNHK19, Tur10, UKA15, VA10, VA11, VDB13, WYN12, WLT13b, WW19a, WAW15, XZC12, XCS18, XLT17, YYK16, YC11, YJ19, YYLW19, YN16, YM13, ZA10, ZTR11, ZWC10, Zha11c, ZS11b, ZLTY16, ZYSY17, ZH18a, ZWLZ18, yZjH12,

ZTW+19, Zho19, ZBL12]. **Solutions** [ArEM10, CA10b, HKT11, Kes10, LZGZ11, LLX11, MLL16, Abb11, ARESH18, ABL15, AK16, Ade16, Ade17, AJS19, ABJ11, AP10, AÇT11, AA15, AAEG17, AJAR18, AJ10, AJ11, AA18, Amb19, AKLS19, AT17, ACE17, Arq18, ASY+11, AET19, AKMUH17, ALI11b, BZ10, BS12a, BK12a, BM10a, BC12, BNR10, BH10, Bao16, BM18a, BR18, BAO+12, BHM12, BK14, BDS10, BB12, BC10, BKY10, BML11, Bog11, BDO11, CHS11, CW15a, CP15a, CWW19, CW19, ÇT12, Cha11c, CANK11, CZN11, CZN12, CC19, CCD10, CTA12, CCX13, CM13b, CF16b, CTC17, CTG17, CT17a, CT18, CM18b, CO19, CHZ19, jC11, CyL11, CZ15, CZ17, CT17b, CS12, CAP10, Chu11a, Chu11c, CP16c, CC17, Chu18, CCP19, CJCV10, Cov13, CZ18, DLS18a, DCL17, DGA18, DGZ13, DQ10, DSR10, DLD10, Din13, DL14, DD16, DLC19, DSL18, Dua18]. **solutions** [DDK11, EGAA19, EK16, ESN10, ES17, ES18, Elb15, Erg19, EG18, FKKS11, FYYT11, FSTN18, FST19, FW18, FSHZ11, Fer11, FL13a, GZZ+16, Gao17, GTC18, GJ19, GK13, Gen11a, Gep16, GTL16, GSY10, GL17b, Goo10, Goo11a, GK18, GZD18, GMZ15, GTZ19, Gup11, GH13b, Haj18a, HA18a, Haj18b, HY10, HY18, HL18a, HLWX11, HC16, HLTL17, HLLM19, HGHA19, HKI12, HYCP11, HKK+16, HTM18, HL11a, HL11b, HM10, HRMS10, HM17b, HX14, HTWS15, HYC18, Ibr11, IMS19, JKB11, JKK12, Jal14, JRZK11, JPB11, JPK18, JQSS12, JL11b, JWX14, JPS10, JS11, JLTB12, JD12, JZ11, JLF17, JKS18, JKS19, Jum10, KSG11, KLL19, KK14a, Kim11, KL16b, Kon16, KL19, Ku15, KKK14, KKK15, KKK16, KTK17, KK17, KTK18, KT18a, KT18b, KK19b, KK19c, Kuo18, KMT10, KM11, LK15, LSCG16, LS17a, LL19a, LLZ10, LCW10]. **solutions** [Li10e, LYZ11, LD11b, LF11c, LDL11, LJ11, LS11a, LL11, LZ12a, Li13, LY14, LL16a, Li16a, LMMF17, LX17, LLY18b, Li18c, Li18b, LZL19, LM19a, LCW19, LGZ19, LJ10a, LZ11e, LWL11, LLZ18, LL10a, LCLL16, LJLY19, LKU10, LWKK10, LJ10b, LC10d, LMDL11, LZKU11, LY11c, LC16, LTSW16, LL16d, Liu16c, Liu18a, LW18a, LCLL18, LZM18, LYC+19, LW19b, LZ19c, zLZ19, zLYLQ19, LWW19a, LDL10, LSX13, LL14b, LMZK16, LXY19, Luo19, MM10a, MP10a, MP11a, MPZ11, MZL13, MW17, MF18a, MYZ18, uHS12, MCKM12, Man18, MZM18, MM18a, MGS+14, MPfTX18, Men18, MAST18, MLZ+16, MV17, MS12a, MPLR18, MY10, MI16, MM12, MK17, MAH18, MCN10, Nab19, NKM15, NTR15, NNWAS11, OZF19, Osm18, Ouy11, ÖZ11, Pad18, PDM11, PRR18, Par11a, PC11b, Pen11, PTZ19, PD11, Pet15, Pir11, PT11, PMA17, PP12, PLT17, QRMH18, QHT16, QCT17, QTW+18, RSM17, RHMA18, RSDR11]. **solutions** [RFK16, Ray16, RG18, RWW18, RMY19, RÖ10, RNQ13, RNQ16, SR17a, SH11, San12, SAIZ15, Sca11, SZ12a, SJL+19, Sea11, Sea15, SIL19, SVY16, Sha18, SMDI18, SNDK18, SNSK19, SW12, SBM13, SW11, SYY13, Sta11, SZ11, Su12, SZW11, SLL12a, SZ12b, SLL12b, TN11, TJ10, TZWM10, TZ15, TCM18, TUT11, TNF11, Tol12, TTX+16, UABK16, ÜM16, Üns18, VLFS12, WSG10, WZH10, WZF16, Wan16b, WS17, WF18, WWD18, WY19a, Wan19b, WO18, Wei10b, WHW11, WFDW10a, WFDW10b, WLDL11a, WLDL11b, Wu11a, WZ15, WW15, Wu16, WZMY18, WX18b, XX10, XZR16, XYXZ16, XC18, XY10, XLD11a, XLD11b, XHA13, XC17, XZ19, YY15, YTD+18, Yan10d, YY10b, Yan11c, Yan11d, Yan12b, YL16, YGS+16, YM17, YGS17, YKC11, YCLY15, Yao16, YÖ10, Ye17a, YMDZ10, YLG10, YL10b, YMLL18, YTC+18, YW19, YMHL18, YqS16, YS16b, YZS18, YTS+17, YTL+18, YHC18, YSS11a]. **solutions** [YSS11b, Yüz12b, Yüz12c, ZSAN18, ZA15,

Zen11, ZSH11, Zha18a, ZFZQ10, ZJ10b, Zha10, ZLZ11, ZZ11b, ZS11b, ZD11, ZZ11a, ZL11, ZTC14, ZLL14, ZZ15b, ZTZ15, ZTZ16b, ZMLZ16, ZCZ17, ZXZ17, ZJ17, bZM17, ZM17a, ZDZY17, ZZLB18, ZLT18, ZLG18, ZDB19, ZSL19, Zha19c, ZL10a, ZDM11, ZCH12, qZM17a, ZTZJ14, ZTSC16, ZLZG11, ZKW15, ZW16b, ZT16b, ZT18a, ZJ10c, ZWW13, Zho16, ZZ18c, ZP18c, ZSD10, ZCY11, ZLW19, ZMA10].
Solvability
[Bai11b, Liu12, Ols10, LJX12, Wan14, WF17].
solve [BDM19a, GL10, HHGA19, Li16b, LLW15, MP19c, SD12a, SD11b, Tom11, XHM14, XW19b, YK17]. **solved**
[Kar17, TLR17]. **solvent**
[CM19a, STDLM19]. **Solver**
[GGAVRC+19, AP19a, BKL+19, Cos18, DTR19, DB12, Du12, FIVM17, FIMV18, Fia15, FXCC18, FP18, HMY15, KKL+13, LN19, Mar16, Ngo18, PÁAP+15, PPC13, QKR19, VMC+14, WFL11a, XZ18, YSW16, YLC16, YW14, ZS16]. **solvers**
[ABK+13, BJQS18, BG10a, DGR18, JRB15, JJ19, LMR19, LCN10, LYC15, PPC15, ST19, SST12, THGG14, WKP+14, ZZL19, ZGL14].
Solving [BBBM16, CCJV11, CRRS11, DGB10b, DT16, GDM13, Haj18c, HLY12b, Lep11b, LLW10, LH12a, LLH11a, LLH11b, LGVS19, PT15, QAA+16, SNH10, SNMA12, SBM10, WNTW19, XL15, YKA18, AD15, ADZ19, AD19a, eMA18, AEH19, Abd18a, AIA13, AO10a, AR10a, ATUC15, AJY13, AER12, AT18a, BM11a, BJRF19, BS11b, BDS15, BGPP11, BE11, BG11, BXKZ11, BX14, BP18, Bra10, BMP15, BPF13, CH11a, CY14a, CAY12, CW10b, CDY11, CM11b, CWDL17, CM17, CW18, CM19a, DZW16, DM12a, DL10, DN18a, DCL17, DM15, DA18c, DHY19, DBS12, DLC19, DZ16, DJZ18, DH10c, Eba11, ECJ16, ESBR10, Els10, EE18, EKE18, FJB19, FT10, FPB17, FH11, Fia15, FIS18b, GGLP15, Gen10, GR13a, GH15, GHR10, GR19b, GHC+15b, GM19, GM11, GGO16, HXX19, HZL17, HA16a, HSWZ11, HHG14, HSMT19].
solving
[HL18b, HM14, HWXC16, HWXC18a, HWXC19, HT16b, IB11, JKK11, JGSS10, JYF+11, JA11, JNBK13, JKS12, JJ13, JJ15, JL19, JL20, JWX+13, JYYL16, KAG11, KKAM11, KAJ11, KL12b, KMRN12, LC11a, LHY11, LLJK10, LYZ11, LH16, LBJ10, LBW11, LHL12b, LLLC14, Liu15a, LWZ16, LW18a, LW18b, LFZ19b, LW13, LDY11, LM18c, MN11a, MTM11, MKR12, MHHC18, MBHV10, MZES12, MHM11, Moh15, MSG11, Mor13, MBJ16, NLA19, NUNAS11, OZF19, OP14, Oru19, eOS18, PC17, Pap15, PIAH10, PLR15, PW10, RKF18, RS15, RWTW19, Ros12, SD10a, SK11a, SYG11, SSSB11, SVY16, SG14, SS17, SWL16, SPST18, TM17, TNP17, TA11, TTZW18, TS16, TC10, TTC14, UKI11, VAB12, WD10, WKG10, WSCL11, WKS13, WWB13, WZ17b, WHS17, WTM17, WHS18, WLZ18b, WH11b, WFL11b, cW11, qXjH11, XY15, XWY18, XH11b, YXS10, YX11b, YC10b].
solving [YNLK10, Yao16, YP10, YT18b, Yus09, Yüz11, Yüz12a, ZB19, ZSAN19, Zha11a, ZY17a, Zha19a, ZYZ11, ZÖXL+19, ZH15b, ZQ14a, ZT18b]. **SOMA** [SZDO10].
Some [ANP11, AS10a, AX11, AS11c, APTZ19, BCB11, BD11c, ÇT11a, ÇHK11, Cha11b, Che11a, Chu11c, DG10a, DÇ12, EAA10, ET12, FM12a, Gao17, GHT+15, GRS12, Gro19, Haz11, HA11, Jic10, KR11, KK15, KM18, KKBR19, KB10c, KKK15, KTK17, KK19b, KHUO12, LD13a, LLW11, LY10b, Li10d, LCN10, Li11a, LC11b, LSJ12, LG12, LL10b, LSZ11, LZJ12, LS11d, Luc10, MZJ11, MM18a, NNWAS11, NODA11, PKK12, RA11a, RR19, RI12, RGdSRLAJ10, Sön11, SGQ12, TÇ11, TÇ12, TO11, VRD11, Wan10a, WS10a, WAZ11a, WSH12, XW10, Yak11, YL10a, YNLK10, YX11c, YWL17, ZW11b, ZJ12, Abb11, AM12a, AvdW13, Arq18, BCFQ19, BJS15, BL17, BBD10,

CJ18a, CJ15, CM10c, DGZ13, DE10, DYX11, Din10, Dra11b, EBENEA10, EBENF10, EGGS+12, Gav12, GFZ16, HH16, JZ13, Jum10, Kes10, KA11, Kir10b, KT18a, LWBW13]. **some** [LZ11e, LTX10, LFJ11, LSV18, MP10a, MB11, MDVM17, MV11, MB10a, MN10b, Mor10d, MN10c, MN11c, MKPS11, Noo10, NA11, NUH12, Pop11, Pop14, QH11, Rah11b, RRC11, RRGTV10, RGHZ15, SG11b, TN11, Von11, WC10a, WS11b, XC11b, YS17, ZWMD16]. **Soret** [ABV11]. **Soret-induced** [ABV11]. **sorting** [DHQ11, PN16]. **Sound** [ANN10, GC19a, HTL10, IK12, Par17a, Par17b, TTT10]. **sound-hard** [Par17a, Par17b]. **Source** [BRROP19, CZF10, AM13a, ABL15, ANN10, CL19, CV14, CLJ11, CCP19, DS18b, EA10, FL13b, FIM18, GD11, HKJ14, HC16, HH18a, HP13, HMP+15, HHM12, IK12, KVW18, KPK18b, LY11b, LMZ18, Liu17, LWSL19, MA17, PC17, RCRV14, RZZ19, SBM10, SS18b, SS16c, SG16a, TKHL18, WQRZ14, WW14b, YF10, YXX11, YMHL18, ZSQ+18, ZL19a, ZKW15, ZW16a, ZY15c]. **sources** [CM18a, CH19, FT15, NPR10, PXT10, SRG16, Wu16, Yu11b, ZZ10b]. **Space** [BSY+19, EEBM10, FID14, KV17a, KV17b, ZFLM19, AJS19, AES11, AZ15, AK19, Arq18, Bac14a, BL18, BTEM19, BBR10a, BP13, BZ18, Bis14, BGH14, BGM19b, BMH19, Buo11, CWWY15, CLA19, CyL11, CR19, COR18, CELY18, DDMQ19, DVMS13, DA18d, fDxZ12, DLT12, DZO+19, DH16, DJZ18, EGAA19, FZL+18, FNW18, FOS19, Fur13, GLR13, GGAV18, GLP18, GH14, GM14b, GD12, GM19, GABC16, GF19, Her19, HD14b, HZP18, HLX18, HLY17b, IW18, JW18b, JW19a, JL18, JKS18, Jum10, KK13a, KBAF18, KS15a, LMR19, Li12b, LLFT17, LGZ19, LK18, LN19, LHL12b, LZG13, LWZ16, LFAL19, Lóp19, LDG19, MBS17, MP11c, MS15, MY13, Nab19, NHH13, NH15, NCC13, Ols10, Pad18, PS16, Pov12b, RAZ19, RMS10, RZ16, SD11a, SZA+18, Sha12b, SGK18, SOK19, SND19, SI17, TD10a, THD19, Tru19, TT12, UMY11]. **space** [WQRZ14, XA13, XLK11, XSYL19, XaZH19, YZ15, Ye19, YDW15, YSX+19, Zha11d, ZLJ+18, ZCLW19, ZZL19, ZLL17, ZLZ10, ZY17d]. **space-dependent** [HLY17b, WQRZ14]. **space-fractional** [AK19, BMH19, FZL+18, HLX18, IW18, JW18b, KBAF18, LK18, MY13, SI17, YSX+19, ZLZ10]. **space-momentum** [KS15a]. **Space-time** [BSY+19, DH16, FNW18, GABC16, LWZ16, Sha12b, YDW15, ZLL17]. **space-time-fractional** [Pov12b]. **spacecraft** [DLWW12, KW12, LLZ12]. **spaces** [Abb10, AKT12, AE12a, ABRL18, AD10a, AD11a, AIB10, AR10d, AD11c, AHF10, AH11b, AvdW13, AKS11, ASV11, APS12, BKT11, BHM12, Ben17, BM12b, CsH10, CB11b, CDG15, CDG16, CGY11, ÇA10a, CANK11, CZN11, CR19, CSW11b, CS11d, CS11b, CS11c, CM10b, CSN11, ĆSCD11, Deb12, DÇ12, Dra10, Dra11a, Dra11b, DGH17, FL14, FLDZ12, FRZ15, FBB10, Gao12, Ge10, GKK11, GLZ18, HLWX11, HLS11, Haz11, HCF16, HS11b, HA11, IN10, KPR10, KR11, Kar10a, KK10a, KK11b, KC11, KKS10, KA10b, Kha10, KYR11a, KYR11b, KA11, KN12, KB10c, KT11b, KLMV12, Lad16, Lee11a, LS10b, LjHO10, Li17b, LC11b, LZ12b, LLX11, MP10b, Mai10, Min11, MN10c, MME10, MN11c, MKPS11, MAK12, NS11, Nil11, PRR10, PT11, PCM12, QL10, Qiu12, QY17, QaY18, RK10, RA11a, RR19]. **spaces** [RI12, RA19, RGdSRLAJ10, SP10, SCV10, SK11a, ŞGY11, SLK12, Sal10, SN11, Sha10, SS11c, SH10, SCK11, SW11, Sön11, SCC12b, Via15, WD10, YBC11, Yao10, Yil10, ZLL11, Zha18e, Zha18f, vdW14]. **spacewise** [RAD13]. **spacewise-coefficients** [RAD13]. **spacing** [FES+19, GGGR17]. **Spalart** [PLR15]. **spam** [CDFP12]. **span** [Nab19]. **spanning** [MW11, RR19]. **SParC**

[ADD+15]. **spark** [JS12b]. **Sparse** [BF16, CR19, ASA16, ADD+15, CX16, DGLU18, Git14, HLX18, KM14, KSS13, LCLL16, LSV18, RZZ19, SW16b, TJQS13, THGG14, WY19b, ZS16, ZFY+19, ZZL18a, ZXW13, ZGL14]. **sparse-view** [CX16]. **sparsity** [LZ11c, PSS18]. **Spatial** [FL13b, GV11a, Hu19, Zha18b, AB16, Ara18, CLTA11, CM18c, FSM19, JHW15, LY11b, WYL19, YZMA18, ZH15a, ZSLZ19]. **Spatial-temporal** [Hu19]. **spatially** [CL19, CRG16, Che18, GWR+18, GMS18, GLL14, LHL14a, WCCS15, WLZ18b]. **spatially-distributed** [CL19]. **spatially-varying** [CRG16]. **Spatio** [ZZF18, ZLMZ18, AET19, VJM15]. **Spatio-temporal** [ZZF18, ZLMZ18, AET19, VJM15]. **Spatiotemporal** [MLY18, SZ14, Zho13, GM14c, YG17]. **SPDE** [MT19b]. **speaker** [Hon12]. **Special** [CBM10, LZL+13, PHWM10, SPCS13, VBW10a, VBW10b, YWL+11b, ZMLZ16, ZFLM19, ADK10, DG13a, Din10, Gal11b, Kir10a, Kir10b, LZGZ11, Lup11, MTN19, MJ10, QY13, RRGTV10, SKST10, TN11, ZWLZ18, Zho16]. **Species** [YZAX10, BFF+11, Che16, CKRW19, DD19a, FHA16, Gal12, KL16a, Li16a, LMZ18, MW17, PP10, PQB+16, PQBK17, TM18, TZG10, VPR11, ZT19, ZL10a]. **Specific** [Bra13, Ebr11]. **specifications** [CFRS10]. **Specifying** [ZMG10]. **Spectral** [AS15a, CLC16, CSS10, KDU15, LvdVX18, PGQ16, UMLF13, VLJH18, YCHW18, YQWZ19, ZLHF19, ADZ19, AR10a, AB10b, APRM11, AK19, AT18b, BG14, Boy16, DNS15, DB10, DBEE11, DB12, DHY19, DNS18, DZ16, DHMU16, FID14, GHC15a, GB16, GY11, GSY10, GML17b, HG16, HA16a, HS13, HSJ15, Hes18, HC14, HZP18, HK17, Ipe12, JL18, KB10a, LL14a, Lee17, LCA+17, LK18, LL12e, LZ15b, LFZ19b, PFDG17, PGF18, SD15a, SD18, SBEB10, SD11b, SL18b, SK14b, Tha19b, TXL19, THGG14, ZYS10, ZLJ+18, ZCLW19, ZcHS18, ZJZ18, ZY11, ZZX16, ZC17, ZT18b]. **Spectral-element** [UMLF13, ZC17]. **spectral-Galerkin** [AB10b, DB12, DHY19]. **Spectrally** [AHF16, SMF17, BL14]. **Spectrally-accurate** [SMF17]. **Spectrum** [BCF10, AES11, CCL+12, FBB10, LSM10, LL10b]. **speech** [YZ12, ZJZ+11]. **speed** [Ebr11, LMP13, LC12b, QCS+19, RR14]. **SPH** [FL13a, GHT+15, HMF16, LVF+16, TLR17, VLJH18]. **sphere** [AA18, HR14, LRCG16, Mic17, PT15, RSP18, SKFG11]. **spheres** [GT15, GT16, PL17]. **spherical** [BJLZ12, BOY12, CDM10, GVSP12, GH16, JNJ+11, PL17]. **spheroid** [LDHH13]. **spheroids** [MKS13]. **Spike** [DHQ11]. **spill** [WHD14]. **Spin** [AHP+14, GTZ19, LM19a]. **Spin-polarized** [AHP+14]. **spiral** [HSC17]. **Spline** [Gha17, Cer18, DSB19, GW15a, GMI11, GMI12, JK18, LXL14, MP10b, MD15, MM18d, Moh15, Pet15, PLT+19, QX19, SHH16, SKM11, SYW11, WZH18, YZX18]. **Spline-based** [Gha17]. **splines** [CQRW11, HH15, KB19, LD13b, LT15a, MRS15, PZJ+16, PZAR19, PL17, Seg19, ST16, Sou11, TWLYÖ10, VAK+19]. **Split** [WH16, CAY12, CX16, DMZ10, JZJ18, WH18]. **Split-step** [WH16, DMZ10, WH18]. **Splitting** [AO18, KVV14, SLL17, AM10a, BCF13, BKR+19, BKNR19, CM16a, CMR17, Cao19, CR18a, CWY19, Del13, EO14, FZ19, Gal12, GS15a, GTG11, GR19a, GSD+19, HMF16, HJ13, HWXC18b, KM14, LM17, LWQZ18, MKHC11, MPY16, Oan13, PW10, RWTW19, Saj12, SR17b, SS16b, SS14b, SLM16, WLD13, WWB13, WLM13, WHW11, ZT13, ZT16a, ZYW15, ZS16, ZZ18a, ZYW17, ZQ14b]. **splitting-based** [CR18a]. **splitting-differentiation** [GS15a]. **splittings** [Lad16, LFZ19a, Mis14, MM18c]. **SPN** [LLSS13]. **spotty** [ÖŞ11]. **spreading**

[GGK18]. **spring** [GBG11, KJ11]. **Spurious** [GOT19, ACE17, BCD+16, MNPD15]. **SQP** [ZLL12]. **SQP-filter** [ZLL12]. **squall** [GZW+18]. **Square** [CZN11, CCJ10, CCJV11, CCKY12, CJCV10, FGL10, HSK11, RMB+14, SRRP18, TNP17, XH11a, ZHB11]. **Square-mean** [CZN11]. **square-wave-driven** [CCKY12]. **Squares** [BDGG14, GCDG17, KDU15, RCM11, BQ15, BQ17, BJQS18, BJ19, BG14, BC17, CCKP15, DM16, Dia17, GB16, HA18a, HS13, Hes14, HSJ15, Hes18, HM17c, HK17, Ku18, LC10a, LR14, LGG12, LL16b, LZ17, LJJ17, LJLY19, LY11d, Liu14, MLGY16, PFDG17, PGF18, PATA11, TCM18, TJQS13, TBP19, WLT13b, YD12, ZLZ11, ZMLZ16, ZY17a, ZWLZ18, ZL13]. **squeeze** [CJ12]. **squeezing** [IIHI10, IIHuI10, MMA12]. **squirrel** [DGGBTRJF12]. **Srivastava** [KSJ12]. **SST** [LZPZ19]. **ST** [SWS19]. **stabilised** [LMR19]. **Stability** [AR09, AR10b, AKSW19, BDB12, CW15a, Chu10, Das15, DD19a, FF14, FZ18, GKK11, Hon10, HTV13, HW19b, JC12, KC11, LCP10, Li17a, MG16, MMFT+19, RMM11, Saj12, Sea14, SSC19, SYW11, WYLZ10, WZ11a, XXH18, YG17, YH19, ZH19, ZLC11b, ZZW15, ZZ17, AM15, AEDL14, Bai11a, BV11, BG19, BTB18, Bis14, BY11, BK13, BK12b, CBKR10, Cie11, CHS19, CFF15, DMZ10, DYQM14, FDB13, FLZ14a, GV11a, GL16, HY13, HM17a, Hua11, HT16b, JZ12, JZL18, KP13, KG14, KLP17, KJA10, KPG18, KGM11, LC12a, LPK15, LHW11, LW15, LWD15, LL16b, LCC13, Luo18, LPY16, MAB19, MSA12, MTV13, MW14, MZ11, Ngo18, Pal12, PCM12, RSV11, Rhe10, SP10, SCV10, SMF10, She16, SI10, Sun10, VB10b, WWG10, WW11a, WZF12a, WLL12, WCW13, XMW10, XH11a, YÇG12, YY10a, YX16, YS19a, YW11a]. **stability** [YLLN16, ZHW14, ZMWH18, yZjH12, ZGD14, dPLM18]. **Stabilization** [HH18a, LCQL17, Lin12, BL12, BHH16, CKSL+14, CBBE16, CW17, KEHB18, LMZ18, OSZP13, SZDO10, ZTR11, ZT19]. **stabilizations** [DM18]. **Stabilized** [MVKK14, MPY16, TS16, BPS19, BS16b, CBS18, FKF13, FLdS14, FGHZ17, GLP18, GGH18, HZM11, LLML15, LHL18, MFSL19, RC18, WC15, YZ15, ZHJ14]. **stabilizing** [HK10, Nes10]. **Stable** [BMH19, Dub13, FXC18, FLP13, SZGG11, AvB16, Ahn12, AKMS18, BR12d, DGTC13, Dun18, FHZ10, GS15b, HP17, HA16b, HKW15, KKT13, LS19a, LLJK10, LLYL19, MM18d, NCC13, RFK16, RKF18, SS14a, SCC+12a, STDLM19, Wei12b, ZLC+14]. **stage** [Amo15, BP13, CCL+12, CHT11, HHY+11, JL12, LL12c, MLY11, MM18c, SFM15, Xu14, YG17, YD12, Zen11]. **stage-based** [HHY+11]. **stage-structured** [BP13, Zen11]. **Staggered** [KNT12, CDL17, ED12, KG14, KCL14a, KCL14b, KCL16, RS18b, SWL16, ZP18a]. **stagnation** [BGP13, Das12]. **stagnation-point** [BGP13]. **stairs** [KHIB12]. **Stancu** [Büy10, Gal11a, Mah10b]. **Stand** [RIW12]. **standard** [MMH11, MHM11, RMM11, SMM19, TLR17, XGH17b]. **standing** [DL14, FZ18, Luo18]. **star** [CNR10]. **star-like-shaped** [CNR10]. **starlike** [RS12a, Sok11, SWW11, YL10a]. **Starlikeness** [Mos10, SK11d]. **Start** [YZ10a]. **Start-up** [YZ10a]. **State** [BKR11, TMSO12, ZHV19, AdAS11, CC19, CTC17, CT17a, CMS10, DNS16, DLT12, FGHZ17, Gao15, GTC18, GRS18, Gro19, GD12, GS19, HP19a, HC14, Kia19, KLTS11, KAK+12, Kup10, Kup11, Lan12, LSCG16, LLZ11, LL13, LWN15, LT18, Li18b, LCYC12, LLT16a, LLT16b, LLP19, Luo19, MCL+13, MN11b, Pen11, PB11, QHT16, RMS10, RFP11, RF12, TMO13, VCM11, VV14, WZ15, XLT17, YY11a, YW19,

YKA18, YTZ17, ZHJ14, ZTZ15, ZSQ+18, ZLMZ18, ZT18a, ZZX16, Zho19, ZBL12, dAS18, dSAC11]. **state-dependent** [AdAS11, DNS16, Pen11, dAS18, dSAC11]. **state-space** [DLT12]. **States** [HPV+18, AF13, CL16a, Das15, GCR+18, JLWX18, MCL15, PTL13, Wu18a, ZTZ16a, ZHS+19, ZMWH18]. **Static** [ZHQG12, CCCW16, JAJ18, KLTS11, LT13, LX18, MMS+18, NHH13, PÁAP+15, TAS11]. **station** [Mok11]. **Stationary** [LD19, WL15, CW15a, CGGM19, Cho17, CN16a, CGO19, Ers16, FIW13, FMSV17, HKP17, HZM11, JFC14, KL19, LFZ19a, Liu16b, NCC13, NJV13, SK14b, WH14, Yan18a, YH19, ZHY14, ZT15]. **Statistical** [AD10b, BA11, DK12, KD11, MHH11, CCJV11, Che11e, DD10, Fio14, JL16, KD10, LZF18, VDV13, WZG19, yXpYxZT11]. **statistics** [BEAA11]. **stator** [LC12b]. **Steady** [DKM17, LWN15, SL12, ZZC13a, BMS13, CL16a, Das15, GCR+18, HP19a, HLSN15, Ima17, JLWX18, Mom11, PD11, TH19, YY11a, Yan18c, YT13, YTZ17, ZHJ14, ZSQ+18, ZLMZ18, ZMWH18]. **Steady-state** [LWN15, YY11a, YTZ17, ZHJ14, ZSQ+18]. **steady-states** [JLWX18]. **steel** [CPP10]. **steels** [SSIP19]. **steep** [YL16, YW19]. **Stefan** [HSZ15, UABK16]. **Steffensen** [SV11]. **Steffensen-type** [SV11]. **Stein** [XW19b]. **Steklov** [MRR18, RA11b]. **stem** [Ben12]. **Stencil** [CCHG17]. **Stencil-based** [CCHG17]. **stencils** [FLP13]. **stenosed** [SR10b]. **stenosis** [SR10b, SRV10, ZAK18b]. **stented** [WSC16]. **Step** [MBJ16, ATUC15, ABCR10, AM12c, CYM13, DN18b, DZW+15, DMZ10, Don10b, FLH10, FL11a, GK11a, GK11b, GGT14, HWXC18a, KRCJ11, KYR11a, KYR11b, KSMN11, LCK17, Mai16, MR19, MS15, Mor13, OBAAD10, SM19, WH16, WH18, XWY17]. **Stephenson** [HT12b]. **Stephenson-I** [HT12b]. **stepped** [LPML19]. **stepping** [AK19, SZ17, SZC+18, YH19]. **steps** [WZHW13]. **Stepwise** [GGAVRC+19]. **sterile** [ADL12, DD13]. **Stewartson** [HLTL17, KSG11, QRMH18, THfL17, WLXZ18]. **Stieltjes** [BR12a, LS12c, SK11c]. **stiff** [ABL15, AJY13, KAG11, SSSB11, ZR18b]. **stiffened** [MG15, PBS12]. **stiffness** [BCG17, MM13, PH13]. **stimulus** [PLKCC12]. **Stirling** [Mor10a]. **Stochastic** [BNTT14, BCPS15, BM19, GHL18, JHW15, KPK18b, KKK12, LHW11, Lin11, LDG19, MP11c, ZZG19, aZW17, ASSV18, BM12a, BS10b, BH10, BH14, BY11, BR13b, BKP11, BK12b, CFN11, CZN11, CLS19, CXZ15a, CKM12, CCCW10, DRK11, DWZ16, DMZ10, DGLU18, EBENF10, EHL+14, FES17, Gao17, Git14, HDS11, HZ18, HP19b, HA18b, JS11, KPR13, KMRN12, KSM12, LD11a, LW17, Li18c, LQMW18, LX12b, LH10a, LSD10, LLH11a, LLH11b, LW12a, LW12b, LW11d, MKR12, MV12, MP19a, MS12a, MB10b, Pal12, PDM11, PZL+18, PW18, PH19, Pul16, SSA12, SYZ19, SP12, VB10b, WS12, WL17a, WZ18a, WLXG18, WW19c, Wan19b, WWH12, XZ10, XH11a, XSYL19, XaZH19, YL18b, ZZ19, ZLW18, ZWMD16, Zha18h, ZC11a, ZC11c, aZ18]. **Stock** [CXZ15a, FXC18, LWJ10, DRK10, FES17, LX10b, San11, Sin16, WTC+12]. **stock-dependent** [DRK10]. **Stokes** [AT17, GOS18, AS19, BT15, BS16b, BO18a, Bis14, BNP18, BC17, BPF13, CLTA11, Cho17, CH17, CB19b, DDMQ19, DM19a, DSM18, DNZ+13, DZ17, DLQ16, Dua18, Ers16, FZ17, FH11, Fis18a, FRZ15, GGLP15, GRBT16, GB16, GH18, HKP17, HKS19a, HS13, Hes14, HSJ15, HQ19, HZM11, ILS13, JRZK11, JPS14, JJH16, JYYL16, KLP10, Kim14, KCL14b, KLRW12, LC10a, LL12b, LR14, LHL18, LHL12b, Liu16c, MM16, MLGY16, NMR15, Ngo18, PGQ16, PLKC16, PGW19, QZM17b, QM19, RBTD14, RTV17, RA19, SMM19, SYI12, Sha14, SZ17, SHH16,

SR18, TDM13, TW18, WC15, WPL16, Wan16a, Wan18, WCSW18, WMP+19, WH14, XSYL19, Yan18b, Yan18c, YJ19, YT13, YTZ17, YT18b, Zak18a, ZZ16b, ZL18, Zha18g, ZWY19, ZL19b, ZP18a, ZP18b, ZP18c]. **Stokes-** [BNP18]. **Stokes/Darcy** [HQ19, JJH16]. **stopping** [DVY14]. **storage** [CWHW17, JFS14, JFS20, KPS10a, KPS10b, SH18]. **STR** [BRROP19]. **strain** [KHF+19, NHH13, NH15, RC18, TPHD18, ZHW+18]. **strains** [ED12, HAESLB14, SCvdV+19, TCM15, YWH14]. **Strang** [Del13, EO14]. **strategies** [Ala10, BDPM12, Boy10, BK16, CCHG17, CM13a, FBL11, FMP19, Ögü13, PM13, SJS+11]. **strategy** [AKL18b, BDHR18, CCH+12, CSSW12, CL17b, DPBL16, DWZ13, DESV18, DDM+18, GYTD12, HD14a, HCL12b, JS12b, LDS10, LTX+13, LW11c, Raf12, RTB14, RC17a, SLXC11, Tan18, Tod13, VC12]. **stratification** [GIMZ14]. **Stratified** [Abb10, GZW+18, Liu18b, Sea15]. **stream** [LWC13, OVV+16, QGGL13, YTZ17]. **streamfunction** [FIW13, YT13, YT18b]. **streamfunction-velocity** [YT13, YT18b]. **streams** [FKC12, MHH11, WCZ13, ZCSG13]. **Strength** [SLMZ12, SJS+10, ZFC11]. **strengthened** [LKL+15, Pul16]. **Stress** [LTT13, RDE+17, BKR+19, BKNR19, CKL18, DB15, Dos18, FZBF10, GGVRB19, HWY14, JPCY13, KL16b, KKVS19, LS16, MSV18, MMT18, Pov19, VGC+15, Yoo17]. **stress-assisted** [GGVRB19]. **stress-based** [DB15, JPCY13, Yoo17]. **stress-pressure** [MMT18]. **stresses** [DVMS13, DD19b, ÖKJR19, Pov12b, Pov19, SNEP19]. **stretched** [DDK11, Gen11b]. **stretching** [BHZJ19, Bog11, CYZZ18, EA10, KWFY11, MMA12, Pal13, RY10, RRP16, Sah11, VPR11]. **stretching/shrinking** [RRP16]. **strict** [CsH10, CS11c, GDZ11, KS10a]. **strictly** [LZ11d, sHC11]. **stride** [NHIN16]. **strike** [LTT13]. **strike-slip** [LTT13]. **string** [CFLM19, TS11b]. **strip** [AB18]. **stripe** [ZCT18]. **Strong** [CsH10, CB11b, CS11c, KS10a, KK10a, KK11b, KA11, Lee11a, LjHO10, Liu17, Pir11, She11, Wu11a, ZLL11, BTB18, BD11c, CHM+10, CS10c, EZRR10, FST19, GN12, GDZ11, Hua10b, KKLJ11, Kup14, LLL11, Liu16c, MT19b, NCL13, Sun11, YZS18, YM13, ZZ15b]. **stronger** [WHS12]. **strongly** [BGPP11, CGY10a, FT10, KRD16, LG10, LXZ18, LFJ11, Liu11a, Nil11, PT15, SOS11, SCC12b, WL17a, WZ18a, YL10a, YASK10, ZZ10b]. **Structural** [FLZ14a, CFdM+18, FL14, FMP19, KSD+19, Tom11, XC16, YLC18]. **Structure** [SAU11, AvdW13, BK10, COR18, HB19, HZ10, HM15, JSEM13, JJ13, JL17b, KEHB18, LX16, LMS13, LLD10, LZGZ11, LXL12, LLSS13, LYY12, MJB18, Mac12a, MDVM17, MZM19, MUB+16, Rhe10, RHC15, RZZ19, SLK12, SCSF19, SFM15, TK11, WLYX13, Xu14, XDL12, YG17, YLF19, YZGW10, YLJ12, YLL+14, Yoo17, Yu11a, ZPWY12]. **structure-adjustable** [LLD10]. **structure-preserving** [MJB18, MDVM17]. **structure-preserving-doubling** [HM15]. **Structured** [BK13, ADY12, AF13, AVV18, Aki17, ALMLM14, BP13, BX14, BFS15, CWHW17, CN16b, EHO+12, GMS18, GGGR13, GGO16, HG16, HCL12b, Hu19, JK10, JZ12, LXL14, LJJ17, LJLY19, LCC13, SRGL13, ZK16, Zen11]. **structures** [ASN11, BI12, BK12b, DCN+18, FMGR19, GHT+15, JKK10, JLK11, LZ18a, LS16, LGC+17, LKL+15, MJWD19, WLXG18, YC10a, YLS12]. **students** [WNC12, WTC+12]. **studies** [AM12a, BV10, DGOZ13, PTP14, PATA11, SL16a]. **Study** [ALHZMC+19, BM13a, CZL17, Far11, KRCJ11, KM13, WAG+14, AB10a, AÖ10b, AW11, AY18, AM14a, Amo18, ABSV18, AGK15, BM18a, BK18, BM18d, BNP18, CCR16, CD19, CGK14, CJRR11, CS13, DA16, DNR13, EAMA19, FdOP17,

FMGR19, GGM+13, GSZ11, HB19, HZLM10, JRB15, JJ19, JAJ18, KRP12, KAK+12, KSMN11, LBZL11, LJK+19, LNP+12, LLG10, LG13, LTJ+16, MC11, MB17, Odi10, OTiSY16, Par17b, RS12b, SSS16, SPT17, SDM10, ST16, uIAH10, TMDTTC16, WSC16, WZKY12, XWN11, XX19, YB13, YWW+12, YCS19, ZMG10, ZCSG13, ZZX+14b, ZYZ+17, ZHS+19, ZD12]. **Studying** [HHM12, LX12b, ZGD14, BBR10b, RS13]. **Sturm** [jASzZ12, CKLL10, KA13, YY10b]. **style** [HCHH12, LZL16]. **sub** [AM13a, ADZ19, BMS19, CBBE16, GH14, ML19b, Nes10, PS16, SR15, WW16, WW18b, WY18a]. **sub-diffusion** [AM13a, ADZ19, GH14, PS16, WW16, WW18b]. **sub-equation** [SR15]. **sub-grid** [Nes10]. **sub-mesh** [CBBE16]. **sub-parametric** [WY18a]. **sub-quintic** [ML19b]. **sub-scale** [BMS19]. **subbetweennesses** [RdSSS11]. **subclass** [AS10a, MG11, SRM11b, XL10]. **Subclasses** [ORD11, AX11, Las10, Noo10, ODR10, SK11b]. **subcritical** [SKFG11, ZT18a]. **subdifferential** [LMZ17]. **Subdiffusion** [Iom18, AD15, LZC11, LZLL18, Luk11, Yil19]. **subdivided** [YA11]. **Subdivision** [KLCD16, PXXZ16, SR10a, WZXL11, ZB19]. **subdomains** [DCN+18]. **subgradient** [ZM18]. **Subgraph** [Bog10]. **subgraphs** [MW11]. **Subgrid** [ZHJ14, ILS13, MS17, Sag10]. **subgroups** [hYxLL10]. **subject** [Arq18, DP15, FZBF10, KYA15, LGG12, ZLZ11]. **subjected** [KLTS11]. **sublattices** [jHlXZ11]. **subliminal** [LWZG10]. **sublinear** [Bao16, KM11, YL16]. **submatrix** [HA18a, TCM18]. **submerged** [LFC16, VHPVNXW18]. **subnear** [ÖI12]. **subnear-rings** [ÖI12]. **Subordination** [AKS10, AS10b, XL11, AS11c, BB18, KSJ12]. **subordinators** [AKMS18]. **subsequential** [TÇ11]. **subsimplices** [KK14b]. **subsonic** [FLZ14a, MS18]. **subspace** [ACC18, BJRF19, BS11b, BJS15, BOT14, CL16b, DGR18, DNS15, GK13, LSW16, Liu14, Liu15a, Par17b, SL18b, WmN13]. **subspaces** [GH13a]. **substitution** [HDS11]. **substrates** [DVM12]. **substructures** [AS11d]. **substructuring** [LP12, OTiSY16]. **subsurface** [MNJ+13, RRAK19]. **success** [MP11b, MP16]. **successful** [AM11]. **succession** [HHS+10]. **successive** [Bic11, DH11a, HWXC19]. **suction** [SRRP18]. **suction/injection** [SRRP18]. **Sufficiency** [Ant14, ZLLF12]. **Sufficient** [AEDL14, KC10, SOS11, Swa10, AD12, CAH11, LC10b, SRM11b, TÇ11, YL10a, ZFZ10b]. **Sugeno** [Ahn12]. **suitable** [Bra13, Mok11]. **sulfate** [DEFP11]. **sum** [AAR11, WSS10, WS11b, WZ10]. **sum-of-actual-processing-time-based** [WSS10]. **Summability** [Ehr18, Bor10, ÇT11a, Çan11c, EÇ10, ET12, Sar11, Sav10, TÇ12]. **Summation** [KAS11a, Rey12]. **summations** [Xue13]. **sums** [CS10b, Cvi10, HP10, MS11b, Sun11, YLS12, YA11, pZ10]. **Sumudu** [KK11a]. **sup** [Kim14]. **super** [CB19a, CT17a, Eba11, IW18, LGHR16, Zha14]. **super-cubic** [CT17a]. **super-diffusion** [IW18]. **super-diffusive** [CB19a]. **super-future** [Eba11]. **super-large** [Zha14]. **super-resolution** [LGHR16]. **supercloseness** [LZ18c]. **supercomputers** [ODAZ15, ZGL14]. **superconductivity** [FSZ18]. **Superconvergence** [Bac14a, CLH13, Füh18, HZM11, JMHF13, Ku18, LNW19, NSYY13, SW16a, WHTZ16, ZS13, ZY19, BQS16, HLY17a, SW17, SY18, ZZL+18b]. **superconvergent** [Bac14b, DLT10]. **supercritical** [Wan15]. **superdiffusion** [LZC11]. **superhydrophobic** [CLL11]. **superlinear** [Bag17, CT18, HEP10, LS11a, LL16a, Wu18a]. **superordination** [AS10b, AS11c, KSJ12]. **superordinations**

[Lup11]. **superposition** [MF11, ÜM16, ZM17a, ZM17b]. **superpositions** [PL10b]. **supervised** [MWWL11, SLYY13, WLYX13]. **SUPG** [NNK13]. **supplementary** [JPP12]. **supplier** [CW10a, SSS+11a]. **suppliers** [Che12a]. **supply** [CSSW12, Chu11b, Chu11c, Chu12b, KGJ11, ZSY14]. **Support** [GAVOF11, LW12c, CLW11, JWX+13, TJQS13, XKH10]. **supported** [NJV13, ZWL11]. **supporting** [DA12]. **suppression** [CRXL15, Dan12, FDB13, LWWY12, LYY12]. **sure** [HP10, KPR13, LFJ11]. **Surface** [EKE18, Lin14, AM15, AA18, AML+14, ABR+14, AM17, CD12, CCY18, CDM10, EA10, GB18, GZN19, ID10, IS12, JK10, JK11a, JGK13, JVMF19, KVW18, Kia19, LHZ+11, Pal13, PGDL18, RRAK19, RB19, SH18, ST18, SG16a, SK19, TTT10, VPR11, WL13b, WY18b, XFY18, ZB19]. **Surface-volume** [EKE18]. **Surfaces** [KLCD16, AM10b, AD11d, AM14b, BN16, CLL11, DSL11, FMSV17, HH18b, HT12a, HWW13, JW05, LXL14, MT19a, SLKK19, UMY11, WZ16, XSLS11, XFH19]. **surgery** [LWHL12]. **surgical** [FBL11]. **Surpassing** [WL11c]. **surrogate** [PKD19]. **surround** [GW12a]. **surveillance** [LYM12]. **survey** [AD10a, AK10, AD11a, DS18a, KY11, McN12, MP12]. **survivability** [ABDKD12, PHPK12]. **survival** [GCG12]. **suspended** [THC+18, WCQ+19]. **suspension** [MX15, SRV10, VGK+16]. **suspensions** [WLA18]. **sustainable** [BDPM12]. **Sustaining** [DGTC13]. **SVEIR** [DYQM14]. **SVM** [ALLH11, ALLQ13]. **swaps** [HC18, HZ18]. **swarm** [BBO10, DH10c, FLWJ11, HSZ15, JKK11, LCW12, Laz10, LTX+13, TTC14, XLZW11]. **swarming** [CS11a]. **swaying** [SH18]. **sweep** [KZ16, RWTW19]. **sweeping** [ALI11b]. **swell** [WC11a]. **Swift** [KKAM11, Lee17, PP14]. **swirl** [AdSSS19, Bis14, ZaY17, Zha18g]. **swirling** [AD19b]. **switched** [LCYC12, MK18, MSA12, XH11a]. **switching** [CY14b, CEJV16, DGTC13, DNS16, ECJ16, HC18, HTV13, Lee14, LJJ11, LS11c, YKA18, ZM16b, ZBL12]. **Sylvester** [WLDL11a, AEH19, BR18, BK14, CM17, Haj18a, HSMT19, HM17b, HM14, HM17c, HM18b, KM14, LHY18, LM18c, TM17, WLM13, WFDW10a, WFDW10b, WLDL11b, XHM14, Zha15a, ZY17a, ZY17b]. **Sylvester-conjugate** [WLDL11a, BR18, HM17b, HM17c, HM18b, TM17, WFDW10a, WFDW10b, WLDL11b]. **Sylvester-transpose** [CM17, HM14, XHM14]. **Symbolic** [Ade17, EMR10, JL15b, JJ15, KOPS13, LSX13, LMZK16, MWWL11, Pan11, XX10, Zha18i]. **Symmetric** [ÇT12, GY15, HY10, YTF10, AH10b, ABR10, AEDL14, Bac14c, BKL+19, CM16b, CW18, DH11a, DH10b, Dra10, DIS19, EO14, FHS18, Gem16, GKS10, GJ10, Haj18a, Haj18b, HMY15, HKK+16, HVR18, HDT11, HMWZ16, HWXC18a, HWXC19, KL12b, KSS13, LM19b, LWQZ18, MHL11, Noo10, Pap15, SS18a, TL10b, TM12, WmN13, WHW11, WV15, XY17, XWY17, XWY18, XC16, ZCW15, ZM16a, ZSH11, dCM12]. **symmetrical** [TLR17]. **symmetries** [zLYmL18, LXY19, XC17]. **Symmetry** [WY16, Zed10, Zha17b, Abd18b, Ade17, HLTL17, Kim10, KT18b, KK19b, KK19c, MDRRV11, MDL18, Ray17, RRP16, SR17a, Sin16, SSK13, WF17, WLXZ18]. **symmetry-preserving** [MDRRV11]. **symplectic** [DGT18, Dos12, HXS+15, SB19, ZC16, Zha18d]. **SYN** [JS12a]. **Synchronization** [AAA12, LZC13, xYsHjL11, AsNAd10, BR12b, FDXW11, HPR19, HGN+10, JW11, Kun12, Kuo11, MMMG12, MRS+12, PC12, WL10, ZFC11]. **synchronization/desynchronization** [HPR19]. **synchronizations** [ZGL14].

synchronous [HLCY12, PBK19, ZL14b]. **synergetic** [LH12b]. **synovial** [BKR10]. **syntax** [MBH16]. **synthesis** [BDM19a, OSZP13]. **synthesized** [LLZ12]. **synthetically** [DSWB18]. **System** [GGAVRC+19, Lin10a, OC10, PFBL10, SBEB10, Ala10, ABCR10, AKL18a, AZ10, ABN18, ACTB19, Bae10, BJLZ12, BS16a, Bao16, BMJ10, BP11b, BCC14, BG19, BTB18, BF11, BD11d, BG11, Bra13, BLyS18, BHH16, BPF13, CGY10b, CR18a, CZY13, CN13, CJ12, CB11d, CP16a, CT11b, CSW11a, CM13b, CM16b, CF16b, CTC17, CHZ19, CKLL10, CTD10, Chu11c, CFB11, CSU13, Cov13, DGB10a, DYH11, DGTC13, DGL12, DVMS13, DSR10, DL14, DLWW12, Du12, DL18, ES17, Elb15, FZ17, FSZ17, FSTN18, FWFL11, FSHZ11, GV18, GW12a, Gao15, GMB12, GM14c, Guo12, GH10, GH13b, HKP17, HC16, HKS19a, HL11b, Hes14, HGN+10, HT12b, HCHH12, HY11, HDHW11, HTWS15, HMZ18, IMD11, JKB11, JNBK13, JMB10, JLL19, KSPP11, KK12, KPK18a, KL19, KPG13, Ku15, Ku18, KKK15, KKK16, KK17, KTK18, KCK19, KPL11, KYY12]. **system** [Kup14, LS17a, LL19a, LG10, LZY12, Li13, Li14, LY14, Li17a, LY17, LLY18a, Li18a, LHL18, Li19a, LD19, LYY12, Lin12, Liu14, LHL15, LC16, LTSW16, Liu16b, LS17b, LZG19, zLYLQ19, LV11, LW13, LDL10, LLZ12, MCL15, MY16, MG16, Ma18a, Ma18b, MS18, ML19a, MBS17, MM16, MAB19, MH11, MGS+14, MS15, MK17, PC11a, PTL13, PMA17, QL10, QMW18, RMS10, RC17a, RGVR17, SMDI18, SNDK18, SCC+12a, SW11, SSS11b, SLL12b, TZWM10, Tan17, THfL17, TF17, TS11a, TTZW18, TZMZ12, TTC14, VMC+14, Via15, WHS11, WhJxLwW11, WZ11a, Wan12, WWZ12, WL15, WPL16, WZF16, Wan16b, WY16, Wan18, WWD18, Wei12b, WZKY12, WW10c, Wu10, WPH11, WZ11b, WTC+12, XZZ16, XZ17, XCM12, XDL12, YY10a, Yan10d, YW10, Yan11c, xYsHjL11, Yan12b, Yan17, Yan18a, YZX18, YWHC11, YLH12, Ye17a, YGH11, YZAX10, Yu17, YSB15, Yus09, Yüz12c, ZA10, Zed10, ZA15, Zen11]. **system** [ZM16a, ZZ11b, ZBF11, ZW11b, ZTZ15, ZZ16a, ZTZ16a, ZS16, ZaY17, ZZ18b, ZLG18, Zha18f, ZLMZ18, ZT19, ZWY19, ZSL19, ZFY+19, ZL10a, ZNWG11, ZYZ11, Zha18h, ZW16a, ZMH16, ZMWH18, ZZ10b, Zho16, ZG18b, uRK11]. **systems** [Abd18a, AIA13, AHV10, ATUC15, ABDKD12, AsNAd10, AEDL14, Alo11, AO18, AAA12, AT18a, AB16, Ara18, ACE17, BM11a, Bac14c, BKT12, BZK12, BR12a, BDM19a, BA11, BDS15, BB12, BD16, BGPP11, BE11, BE12, BKDM13, BWZ16, BDR19, BN14b, BK13, BK12b, CFN11, CS16, CI18, CKW13, CZY13, CW17, CC19, CD10, Che11c, CCH+12, CTA12, Che15a, CTG17, CT17a, CT18, CW18, CM19a, CMS10, CS11a, CAP10, CG14, CFB11, CMT12, Dan12, DH11a, DB11, DYX11, DM10, DGT18, Dos12, FDB13, FL14, FDXW11, FJP18, Fia15, FMSV17, FL10, GD10a, Gal11b, GBG11, GTC18, Gar13, GD11, GKLR11, Gon13, Goo11b, GD12, GHM+14, GHC+15b, GPV11, Gur13, GN11, HK10, HmZ11, HH11, HM17a, HTV13, HXL11, HLZ15, HWXC18a, HWXC19, HWY14, IW18, JKK11, JW11, JKS12, JJ13]. **systems** [JJ15, JL19, JL20, JCWZ16, JZ12, JC12, JKS19, JKK10, KPS17, KAA19, KST10, Kun12, Kuo11, LX10a, LCW12, Lam13, LZ11a, Lan12, LC12a, LHY11, LCP10, LD11a, LLC13, LX17, LM19b, LZ16c, LCYC12, LLH10, LCT12, Lin12, LSD10, LB11, LS12a, LWQZ18, LCC13, Lü14, LL14b, LRTV10, LZ12c, LHL+14b, MP10a, MP11a, MPZ11, Mac12b, MAPS10, MV10, MZES12, MZ11, MP19a, MM18c, MHM11, MRS+12, MB17, MM12, MN17, MP19d, NHIN16, NN13, Odi10, OBAAD10, Ogi12, Ögü13, Ols10, OPDC12, OSZP13, PC12, Pan11, PS12a, PdlF10, PV12, Pir11,

PT11, PCM12, QAA+16, QCYL12, QCT17, RES10, Ram11, RRAK19, RA12, RS13, RR11, SMF10, SYG11, SRM11a, SPS+13, SG14, She12, She18b, SS18a, SD19, SZGG11, SM14, SLL12a, SJHC14, TN11, TJ10, TZZ11, Tan18, TNP17, TZG10, TNF11, TAPA+17, TL12, TÇA12, TMSO12]. **systems** [THY+10, Vel15, VMO10, VDV13, WSL10, WCD10, WYD10, WW11c, WJ11, WS12, WWB13, WN18, WNTW19, Was13, Wei10a, WFL11a, Wei12a, WAW15, WMW13, Wri13, WX18b, XY15, XY17, XWY17, XWY18, XDH16, XH11a, Xue13, YÇG12, YHZY11, Yan12a, Yan18c, YGR11, YD12, YKA18, YW11a, hYlLL11, YWW+12, YSS11b, Yüz12a, ZZ15a, ZSZ17, ZMG10, ZDL11, ZHJ11, Zha11b, Zha18i, ZJZ+11, ZG19, ZWW13, ZZ18c, ZDV13, ZMA10]. **Szabo** [SZC+18]. **Szasz** [VSI12, Mah10a]. **Szego** [MKS13, ODR10, WLS10].

T [AEDL14, DDLM13, EOM11, MGY11]. **T-cell** [EOM11]. **T-cells** [DDLM13, EOM11]. **T-hyperbolic** [AEDL14]. **table** [CL12b, MNJ+13]. **Tableau** [CM14]. **tabular** [Kup11]. **tag** [CJP15, SPLHCB14, CJP12]. **Taguchi** [TL12]. **Taguchi-chaos** [TL12]. **TAIEX** [LCCC10]. **tailored** [HHY13]. **taint** [ZHQG12]. **Taiwan** [HHS+10, SLCC12]. **Takagi** [Ahn12]. **taking** [CD12, SST19]. **Talbot** [KBDC12]. **talent** [HHS+10]. **tandem** [LA11, UMLF13]. **tangent** [Ana11a, Cvi11, WhJxLwW11]. **tangential** [TG14, Tao18]. **tanh** [Ade17]. **tank** [WCH13, WFC16]. **tanks** [DFM15, SH18]. **tanlock** [EKS10]. **Tanner** [LG10, Zha18b, ZH15b]. **TAPENADE** [ZKBE16]. **tardiness** [LYLX11]. **tardy** [MMR10, MMR11]. **target** [HDHL11, WYL19, WPH11]. **targeting** [SSM+17]. **targets** [LHM11]. **Tarski** [JK11b]. **Task** [WWZ12, DZS10, KX12, OSZP13]. **tau** [Boy16, SD11a, Zak18a, DE11, ED11a, GY11, VA11]. **Tauberian** [ÇT11a, ÇHK11, EÇ10, ET12, TÇ12]. **tax** [ZZ17]. **taxis** [KL19, Li16a, Li18a, WW19a]. **Taylor** [Che14, Dra11a, ED11b, FL13a, GR13b, HH18a, HW19a, HLZD11, KLP17, KO13, KSMN11, LK13, LPK15]. **TDG** [BS14a]. **tearing** [Hof18]. **Technical** [WC11b, cFpClC13]. **technique** [BR12a, BGGCGRSP16, BCD+16, BMP15, CDP16, CJ15, DA18d, DMRS18, DD13, Eba11, FR15, FL14, HLT12, HYS+14, JZR15, JCF19, LX10a, LD11a, LGC+17, LSV18, LDY11, Mil18, MBKK10, fNS11, NGG12, RY11, SD12a, SWS19, SZ12b, TA11, WWZ12, WZ17b, WFL11b, ZXW13, ZD18]. **techniques** [BA11, BGIN13, Che11e, DM16, DCRL13, DHMU16, JZJ18, KNIF13, Lin14, LB11, MZES12, MHL11, PKD19, PL10a, SH11, SL16c, ZZ15a, ZLY12]. **technological** [GM18b]. **Technologies** [LY12a]. **technology** [ADL12]. **telegraph** [HA16a, LS10a, Pov12b, SPST18, YK17, ZLY14, ZT18b]. **telegraph-diffusion** [ZLY14]. **Temperature** [BCSCB+15, CPP10, AM18, ATH19, BKE18, BMS13, BBL19, CL19, GRW14, Her14, OSA13, Özd18, RR14, SZA+18, SCA14, SKK12, ZC11a]. **temperature-composition** [Özd18]. **temperature-dependent** [ATH19, Her14, OSA13]. **Temperature-related** [BCSCB+15]. **temperatures** [FM17, RNQ16, ZCH14]. **Tempered** [GLW18, AKMS18, CWDL17, DA18d, DZ18]. **temporal** [AET19, DGA18, Hu19, LLG10, LR13, VJM15, ZZF18, ZLMZ18]. **temporary** [XMW10]. **tennis** [KSM12]. **tension** [GZN19, IS12, JVMF19, ZR18b]. **tensor** [EHL+14, Gal11c, Git14, JW18a, KKVS19, LZ19b, MMRN12, Pov19, Sha12a, SK14b, WPL16, XD17, XW19b, ZLY14, ZHW+18, ZZL18a]. **tensor-valued**

[WPL16]. **tensors** [JBBL17, LKCN19, LZ19b, Loh16]. **tent** [GMS15]. **term** [AM13a, ARESH18, Bag17, BKR11, BTB18, BDS10, BSY+19, CLA19, CZF10, CLJ11, DSL18, FLZ14b, FH16, FLWJ11, HH18a, HP13, HCL12b, JGSS10, JA11, JLTB12, KLL19, KPK18a, LP12, LD11a, Liu12, LYZ17, Liu17, LLLW18, LFAL19, MLZ+16, QZM17b, RZZ19, SC19a, SBM10, SLL12b, Tia17, TY16, WSCW16, yYsZyYL13, yZjM10, ZL19a, ZLA17, ZZL+18b, ZWH+19, ZKW15]. **terminal** [fNS11]. **terminals** [RT11]. **termination** [LWJ10]. **terms** [ABL15, ANP19, GGR15, Gen11a, HKJ14, HC16, IS12, KNZ19, KPK18b, LSW10, MT10, PC17, PC11b, PL10b, QY17, WZ11a, Was13, WGY+18, YSB15, ZL10a]. **Tesla** [AdSSS19]. **Tesla-type** [AdSSS19]. **tessellation** [FJWW16]. **tessellations** [WJWW12, XY16]. **test** [BGH14, CCN14, CHBTD14, DGH17, HK15, NCC13, XLZW11, YW11a]. **testbed** [KHIB12]. **tested** [AM15]. **testing** [CCDL10, Dun18]. **tests** [BK13, HAESLB14, HLB14, WHG11]. **tetragamma** [Che11a]. **tetrahedra** [MW14]. **Tetrahedral** [ILV+19, CG13, GLLC19]. **text** [Hon12, MLY11]. **text-independent** [Hon12]. **texts** [GA10]. **textured** [ST18]. **TFBSs** [fLcJ10]. **TFLHOWA** [LS10c]. **th** [LM19a, HLWX11, HL11a, HL10, Yan11d]. **th-order** [HLWX11, Yan11d]. **Thai** [TNT12, WNC12]. **their** [BMRA10, Chu10, DSA10, FF14, GK11a, HPR19, HLY12a, HSMG12, JTC+10a, Jia11, KK10c, LCWZ18, MP10b, MTV13, MS11b, RMY19, RA12, Sal10, Sal11, SK10a, Tia11, THH12, WYG12, Wan13a, XSLS11, XY16, XMWH10, Xue13, YA11]. **them** [TTG16]. **themes** [Boy16]. **theorem** [Çan11b, Çan11c, EÇ10, HP10, LZ12b, SZ12a, WFL11a, WHS12, Zha11d, ZZG19]. **theorems** [AE12a, AIB10, ASMEE11b, BD11a, BD11b, Ber12, CsH10, CB11b, ÇT11a, ÇHK11, Cha11b, CSW11b, CS10c, ĆSCD11, ET12, GDZ11, HLS11, HRMS12, KPR10, Kar10a, KT11a, KL12a, KK10b, KT11b, Lee11a, LjHO10, LFJ11, LC11b, LSJ12, LZ12b, LT11, MZLF10, NS11, NP12, PRR10, Pop11, RI12, She11, SCK11, XL10, YBC11, ZRC11, ZC10, ZQ11b, ZLL11, sHC11]. **Theoretical** [AM12a, CC15, GMP18, HLY16, PMM17, Sag10, TC18, XLF12, YWL+11a, ZWL11, ZC11b]. **Theories** [Pov12b, BC15, BKK12, KM13, WW11b]. **Theory** [BCF10, DGL12, GW12a, GSPK15, GTG11, JMST11, KKK12, VBCJ10, ZSHL11, AA11, ABFGZ11, AHF10, AH11b, ATH18, BMS13, ÇE10a, ÇE10b, CG15, Col18, CDM10, CFB11, DD19b, EAEH18, FG18, GF16, GMS15, GH10, JZ11, JLP10a, JK11c, KBDC12, KHF+19, KKK16, LCW12, Li11a, LLH10, LJJ17, LS10d, MTN19, MT11, MJWD19, PC11a, PW11, Pov19, SKPW14, SS13, WZF12b, WZF16, WZWS11, WWH12, Yao10, YZMA18, gZnZpZbD12, ZYZ+16, ZYZC18, ZW11c]. **theory-based** [LLH10]. **Thermal** [ATH19, HLT12, LLML10, OAKR16, RYK13, SM19, AML+14, BKE18, BSK11, BK15, BHH16, CNH17, CJ18b, DZW+15, DVY14, GSI19, GIMZ14, HKS19b, Hei10b, HNPS13, JMDA13, JLD19, JFS14, JFS20, KWFY11, Kia18, KHF+19, KÖC+18, LWC13, MM18a, MS10c, Pal13, PZL+18, Pov12b, SST19, TL18, VMO10, WWLL13]. **thermal-acoustic** [BK15]. **thermally** [HSK11]. **thermistor** [AT18b, AT19]. **Thermo** [HAESLB14, BCSCB+15, FG18, GR10, GF16, HLNZ19, NH15, SSIP19, SCBCB+13, SCBCB+17, WY15, YWH14]. **thermo-elastic** [GF16]. **Thermo-elasto-plastic** [HAESLB14]. **thermo-hydrodynamics** [GR10]. **thermo-hyperelastic** [WY15]. **thermo-hyperelasticity** [YWH14].

thermo-magneto-electro-elastic [BCSCB+15, SCBCB+13, SCBCB+17]. **thermo-mechanical** [FG18, SSIP19]. **thermo-viscoelasticity** [NH15]. **thermochronology** [GHMN16]. **Thermodynamic** [BB18, Ebr11, Gro19]. **thermodynamics** [CCF13, Grm13]. **thermoelastic** [CBB15, FM17, Her14, Kim17, MTN19, OSA13, RNQ13, RNQ16, SEM13]. **thermoelasticity** [CCCW16, ED12, KVV14, KM13, ZKR+12]. **thermomechanical** [HLB14, JM16]. **thermoviscoelastic** [BDS17]. **theta** [BM12a]. **thick** [JW10, STS19, ZW11a]. **thick-restarted** [JW10]. **thickness** [GHL18, HD14a]. **Thiele** [SVY16]. **Thien** [ZH15b]. **thin** [ANP19, BPR18, BPZ19, DD19b, GHCZ18, GR15, IS12, JW15, JK12, KEHB18, KWFY11, KS12b, LS16, Lin14, MTN19, Mom11, STS19, YLY12]. **Things** [gZnZpZbD12, XCM12]. **think** [HN10]. **thinning** [BKR10, HHS+17, HWY14, MLSLM15, Yan19]. **Third** [CSN11, AÇT11, ATH18, BG10a, FKKS11, GK11a, GGEB12, KRCJ11, KS12b, Li10e, LZZ19, LWKK10, LXK11, MC11, Par11a, RHMA18, XW18, YY10b]. **third-grade** [MC11]. **Third-order** [CSN11, ATH18, BG10a, Li10e, XW18, YY10b]. **third-step** [GK11a]. **Thomas** [CLH13]. **thread** [SKG+11]. **Three** [GQF+10, Ima17, JL11b, Kup14, LS16, MMA12, SSHH+18, Sea16, SL18a, WY18a, AN12, AuIA17, BHZJ19, BPS19, BGP13, CB19a, CLA19, DM18, DA16, DLS14, DFW+18, DH18, Dua18, DHMU16, Erg19, FGB19, GGR15, GSPK15, GHCZ18, GDM13, He16, HP17, HVO17, HWyL11, JK12, KL16a, KNT12, KSMN11, LP12, LK13, LDL11, Li16a, LMY19, LNW19, LZ11e, LZ11d, LSC17, LLYL19, LDHH13, MW17, Ma18a, MM18d, MS15, PDN19, PQB+16, PQBK17, Pas14, RKA+18, SK14a, SMF17, SBM13, TH19, TB10, TY13, Tom11, UMY11, UKI11, VFM19, WPL16, WHS17, WMP+19, WLZ18b, XW14, YMM12, YK18, YLZ17, YCLY15, ZJ10b, ZBF11, ZZX+14a, ZSW15, ZHC17, Zha18f, ZCLW19, ZHW+11]. **Three-dimensional** [GQF+10, Kup14, LS16, MMA12, SSHH+18, Sea16, WY18a, AuIA17, BHZJ19, BGP13, DA16, DFW+18, DH18, Dua18, GGR15, GHCZ18, KNT12, LK13, LMY19, LSC17, LDHH13, Ma18a, RKA+18, SK14a, SMF17, UMY11, VFM19, WPL16, WHS17, WMP+19, YLZ17, YCLY15, ZZX+14a, ZSW15]. **three-field** [BPS19]. **three-level** [He16, MM18d]. **three-phase** [GDM13, TY13]. **three-point** [AN12, LZ11d, TB10, ZJ10b, ZBF11]. **three-species** [KL16a, Li16a, MW17, PQB+16]. **three-step** [KSMN11]. **three-wave** [LDL11]. **Threshold** [HL18a, XDH16, Lin10a, Lin11, LRV13, OO10, RIW12, WZ17a, ZZ16a, ZPWY12]. **thresholding** [LTL+12]. **thrust** [LLZ12]. **Thue** [HKT11]. **thumb** [QZY11]. **Ti** [GSI19]. **tibia** [DRT+15]. **tiered** [YXP+13, YGH11]. **ties** [LKL+15]. **tight** [XSLS11]. **Tikhonov** [BKMT17, SM10, YF10]. **tilted** [HHM12]. **Time** [CLT+13, CMT12, DL18, LCWZ18, LLLW18, MWL18, PK19, SBvdV13, SP12, XaZH19, ZCH14, ZFLM18, ZFLM19, AAR11, ARESH18, ABT19, AJS19, AK18, AKL18a, AK19, AJT19, AT19, Ana10, Ana11b, AHOP18, AHJM18, AR17, Arq18, AA10c, BJQS18, Bag17, BKR11, BS16a, BL18, BO10, BMM12a, BS16b, BO18a, BQS16, Bis10, BKDM13, BG10c, BDHR18, BBO10, BKR+19, BOT14, BGM19b, BRROP19, BSY+19, Can11d, Cao19, CFRS10, CHXL18, ÇT12, CXZ15b, CLC16, CJ18a, CLA19, CHT11, CR19, CTM+13, CGK14, CELY18, CM14, CM12b, DH17, DVMS13, DSK+14, DZ18, DFM15, DGT18, fDxZ11, DGK10, DZO+19, DLS14, Dos10,

DH16, Dra11a, DHGF17, DJZ18, EGAA19, EAAS18, FID14, FSZ18, FSRB15, FRSW11, FZBF10, FL10, FNW18, FIM18, GD10a, Gal11e, GLP18, GP11, GMP18, GGEB12, GM14b, GGT14, GABC16]. **time** [Guo12, HB19, HY10, HK10, HGSL18, HXX19, HW19a, HG18a, HP13, HEP10, Her19, HA16b, HZ11, Hon10, HA18b, HHGA19, HGW11, HZP18, HLI14, IK12, JKN10, JPK18, JW19a, JLTB12, JL18, JC12, JLF17, JKS18, Jum10, KKT13, KLP17, KVW18, Kar18, KKAM11, KYA15, KK14c, KCK19, KBK19, KM10, KGM11, LMR19, LHD18, Lee11c, LC12a, LR14, LPK15, LCW10, Li10d, LDW11, Li11a, LHW11, LZZC12, LLML15, LCK17, LLY18b, Li19a, LGZ19, LSC17, LK18, LZ19a, LZZ18, LCYC12, Lin10a, Lin11, LN19, LW10, LXP11, LH12b, LHL12b, LDL$^+$15a, LX15a, LDL$^+$15b, LWZ16, Liu17, LW18c, LW19b, LFAL19, Lóp19, LLL16, LXY19, LHTL19, Luc10, Luk11, LZ12c, MP11a, MF18b, MS18, MDVM17, MAB19, MHHC18, Mar12, MMT18, MT11, MSA12, MDG19, MR19, MZB10, MWWL11, MLZ$^+$16, MV17, MLG17, MM18d, MBJ16, MAH18, Mur08, Nab19, NHH13]. **time** [NH15, Ngo18, yN11, NWZ11, Oan13, OY19, OHK$^+$19, Pad18, PC11a, PW11, PS16, PQB$^+$16, PD17, PCM12, Pov12a, Pov12b, Pov19, QXG13, QZ16, QZF19, RAZ19, RSWZ10, Rah11a, Rah11b, RS18a, Ray18, RG18, RSB14, RMS12, RZZ19, SD15a, SC19a, SEY12, SZA$^+$18, Sam19, STC18, Sar10, SR16, SZ17, SNSK19, SL18a, Sha12b, She16, SZL$^+$17, SY18, SLM18, SOK19, SS18b, SG16b, SS16c, SG16a, SM19, SZC$^+$18, SI10, yS10, SKTC15, SKTC19, SRG16, SLW18, SW19, TF17, TZ13, Tia17, TCHW19, THD19, Tro13, TKHL18, TDN19, TNHK19, TD10b, UMLF13, VAK$^+$19, WSL10, WSG10, WSS10, WHS11, WWW11a, WWW11b, WJ11, WZ11a, WL12b, WYN12, WS12, WV14, WHTZ16, WW18b, WLA18, WLZ$^+$18a, WLL$^+$18, WRY18, WZC$^+$19a, WZG19, WZKY12, WZ18c, WLGL10, WL17b, XW19a, XZZ16, XWH16, XSYL19, XDL12, YY14, YY15, YF10, YY10c, YMSL11, YX11a]. **time** [YCHW18, YQWZ19, YH19, YS19a, Yas12, YZAX10, YDW15, YSX$^+$19, Zen11, ZFZ10a, ZFZ10b, ZHJ11, ZGW11, ZQ11b, ZLPM13, ZSW15, ZLTY16, ZHW$^+$18, ZCLW19, ZSL19, ZL19a, ZSW19, ZSLZ19, ZY19, ZLL17, ZLA17, ZZL$^+$18b, ZWH$^+$19, ZJZ18, ZLS13, ZY17d, ZY15c, ZG16, ZP18b, ZP18c, ZY13, aZ18]. **time-decay** [JLF17]. **time-delay** [BKDM13, LCYC12]. **time-delayed** [ZSW19]. **Time-dependent** [MWL18, ABT19, BO18a, Bis10, CM14, FSZ18, FSRB15, FZBF10, HP13, HLI14, KVW18, KYA15, LR14, LLML15, LZ19a, Oan13, OY19, QZ16, RZZ19, SD15a, SLM18, SG16b, TCHW19, Tro13, WWW11a, WWW11b, WHTZ16, YF10, YS19a, ZL19a]. **Time-domain** [SP12]. **time-efficient** [CGK14]. **Time-fractional** [LCWZ18, PK19, ZCH14, ZFLM18, ARESH18, AJS19, AK18, AJT19, Arq18, CHXL18, CXZ15b, CJ18a, DH17, GMP18, HXX19, JLTB12, Kar18, KKAM11, KCK19, LHD18, LLY18b, LDL$^+$15a, LDL$^+$15b, Liu17, LLLW18, LHTL19, Luc10, MAB19, MV17, MAH18, Pov12a, Pov19, RS18a, RG18, SC19a, SEY12, SS18b, SS16c, TKHL18, TNHK19, WL12b, WLZ$^+$18a, WRY18, WZC$^+$19a, WZKY12, WZ18c, XW19a, YY14, YY15, YCHW18, ZL19a, ZY19, ZLA17, ZWH$^+$19, ZP18b, ZP18c, aZ18]. **time-harmonic** [BDHR18, Cao19, DLS14, MDG19, PD17, VAK$^+$19, ZLS13]. **Time-integration** [SBvdV13]. **time-invariant** [Guo12, JC12]. **time-periodic** [LZZ18]. **time-scales** [ÇT12]. **Time-space** [XaZH19, BSY$^+$19, CLA19, LN19, LFAL19, Nab19, Pad18, PS16, THD19, ZCLW19]. **time-step** [GGT14]. **time-stepping**

[SZC+18, YH19]. **time-variant** [IK12, WSL10]. **time-varying** [BO10, BBO10, DVMS13, DHGF17, HW19a, HGW11, KLP17, LZ12c, SI10, WYN12, WS12, WZG19]. **Time-weighted** [DL18]. **times** [AJS19, AA10b, ÁBÁPM11, AA10c, BB10a, CL19, LCC12, RSS10]. **Timoshenko** [BMAR18, LMR14, TAA14, VLFS12]. **Timoshenko-like** [BMAR18]. **tin** [BO18b]. **Tinkerbell** [dSCM12]. **TiO** [ZAK18b]. **tip** [WY11a]. **tissue** [IS12]. **tissues** [Mag10]. **TLA** [ZMG10]. **Toda** [SR17a]. **Toeplitz** [BDS15, JKS12, JSEM13, JJ13, JYL16, JL17b, JL17a, LZ17, LWQZ18, WLW16, WLW17]. **Tokamak** [NKM16, NKM15]. **tolerable** [Pop13]. **tolerance** [PA15]. **tolerant** [ĆCM10, ZPS+12]. **Tomography** [KY10, dCMdSGTdC+16, BOY12, CX16, DRT+15, GZR+13, GR19b, GKS17, HKS19b, LLG+11]. **tool** [BBR10b, JPP12, WCB13]. **toolbox** [JRA+18, RAW+16, FRAK15]. **tools** [ADD+15, KTDT17]. **top** [HpD11, LLSW10, PQB+16, WYY11]. **top-** [WYY11]. **top-down** [LLSW10]. **topic** [xLlFwWL12]. **topography** [MDBCF16, SZA+18]. **Topological** [HM12, LXL12, TK11, AvdW13, BK10, DB15, DYX11, HA11, Kha10, LS10b, Min11, PDHL12, SN11, SW11]. **topologies** [LEP11a]. **Topology** [AGDP19, AdSSS19, DLQ16, HWY14, LYJ15, Tod12, ABSV18, ÇKE11, FMP19, JPCY13, KP19c, LWR16, LGL+14, PH13, PM10, SSM12, VHPVNXW18, Yoo17, gZnZpZbD12]. **tornado** [GC19b]. **tornado-like** [GC19b]. **torque** [MK18]. **Torrey** [CLA19, LFAL19, QLT+18]. **Tortorelli** [MPS18]. **torus** [JQSS12]. **Total** [ASSV18, CLM11, YZM+19, AA10c, GKS17, LYLX11, LX15b, Liu16e, RZL11, YY10c, Zha19b]. **Towered** [YT11]. **Toxicity** [Li11b, CANA19]. **toxin** [DKG14, YLZ17, ZL14a]. **toxin-determined** [ZL14a]. **trace** [CW15b, HKS14, KSS13, MW14]. **TraceMIN** [KSS13]. **Tracer** [LPLR19]. **track** [JSGP16]. **tracker** [BZZ+10, THY+10]. **Tracking** [LL12c, FGB19, HDHL11, HCL12b, MZB10, PC14, VMO10, YLH12, YLC12, ZHQG12]. **trade** [Chu11c, Chu12b, SRS11]. **trade-off** [SRS11]. **trading** [WTC+12]. **traditional** [BKL+19, WHS17]. **traffic** [BDPM12, BKK12, DNP15, LKLP12, Sal16, SKTD13, WL12a]. **trajectory** [HW11]. **transaction** [CJPR10, LW17, LC13, TYY+12]. **transcoding** [CUK12]. **transcritical** [PLMS14]. **Transdermal** [FdOP17]. **transfer** [BJRF19, BHZJ19, BB15, EA10, EUTS18, GRS18, GD10b, GK18, HLSN15, Ima17, KB10a, LZZ11a, LZP+19, MSV18, MC10a, MM18a, MS10c, NPR10, OP14, Pal13, PCO16, PvdM13, PB11, RJGS+19, Sah11, SL12, SRRP18, UKA15, YL18a, ZYT+16, ZJB19, ZWG11]. **transfers** [HSMY12, JMNZ19]. **transform** [ArEM10, APRM11, Alo11, Amb12, AM13c, BG10c, BM13b, DB10, GZ14, Gup11, Hol11, ILP+11, KK11a, KRCJ11, KW11, LWQZ18, LZS12, MZC17, MZM19, NDT11, OBAAD10, Ost11, Rah11a, Sat11, TS11a]. **transformation** [AB10a, BGM19a, BMY13, CZ15, DD10, EM19, LS16, LM19a, Liu11a, LSX13, MR17, SMK18, SSIP19, SI17, WY11a, WF17, WW18a, Wei10b]. **Transformations** [Din10, LWL11, EAAED10, EAA10, Gal10c, Gal10d, KK17, KTK18, Lam12, zLYmL18, SB19, WF18]. **Transforms** [Ehr18, KLMV12, RS12a]. **Transient** [BDGBM12, MC10b, BDGS13, BGRV15, BPS18, BJPT16, DLS14, FXCC18, GRS18, Ima17, MC10a, QWL19, WCH13]. **transients** [TMSO12]. **transit** [ZNWG11]. **Transition** [Liu16b, GSD+19, LZ12c]. **transitional** [Özd18]. **Transitive** [BS11a]. **translation** [NJV13]. **Translational** [JKZ11, NWZ11]. **translational/rotational**

[NWZ11]. **transmissible** [MW16]. **transmission** [AS15a, jASzZ12, BD19, BM18c, CCRS17, CL12c, CRXL15, CPT15, FH17, FP18, HK15, LZ11b, LHL12a, PM13, SG11a, SW19, WBZY18, ZWZ16, ZTZJ14, ZLG+10]. **transmissions** [YZMZ16]. **transmissivity** [BCPS15]. **transmittal** [Gal10a, Gal11b, Gal11c, Gal11d]. **transmitted** [ABLS15]. **transparent** [JXZ+10, KSF14, XD17]. **transplant** [KLY16]. **Transport** [RAZ19, AHP+14, ASFM15, ABK10, BNR10, BDF16, CRG16, CDM10, CN16b, EN11, EAMA19, GQF+10, GH16, JSGP16, KK11a, KKSK18, KS15b, LPLR19, NCC13, PZL+18, SSSB11, ySW10, ySGL+10, Sul16, Tim14, Tri11, TRL19, VGC+15, YYK16, YZMA18]. **transport-based** [Sul16]. **transportation** [Chu12b, WWH12]. **transpose** [CM17, HM14, TM17, XHM14]. **transverse** [AM18, NZ16, TAA14]. **transversely** [FR15, ZR18c]. **trapezoidal** [AH10a, ADK10, BBC+11, BC11, KSKK11, LR17a]. **trapping** [CYP16]. **Traub** [EGSHR10]. **Traveling** [BL18, CS16, FYYT11, LX17, Tia19, VDV13, WX18b, ZLY17, ABL15, AAEG17, jC11, DGA18, GMZ15, HBS+10, KS12b, LZY12, LYC12, MS10c, QTW+18, She16, tWqLzGkP11, XXH18, ZGZ13]. **Travelling** [JKK12, YW10, RG18, YGS17]. **traversing** [DVMS13]. **treating** [Gen11b, KA10a]. **treatment** [BJPT16, DFM15, GS11a, SSM+17, ZHV19]. **treatments** [Yan13]. **tree** [EHO+12, FNZ13, KCL12, LL17, LLSW10, WHC12, XDL12, ZZ19]. **tree-structured** [EHO+12]. **Trees** [Ili10, BDK+11, GDF12, LHH10, Mar11a, Pas14, QZ11, RdSSS11, RT10, SXB+12, TFS11]. **Trefftz** [SWL19, TMCM19, Wei14]. **Trefftz-like** [Wei14]. **trellis** [Sha12b]. **Trends** [CKN11]. **Tresca** [BPZ19]. **Tri** [LT15a]. **Tri-PSPS** [LT15a]. **triangle** [Pap15, SLW11, ZWH+19]. **triangles** [Erv12, MW14]. **Triangular** [WHW11, AG11, BMRA10, CBS18, CLH13, Dej11, GLLC19, HMZ18, Li10a, LH12a, LT15a, Liu11b, SRGL13, SBJ15, Zha18c, ZYW17]. **triangulated** [XSLS11]. **trickle** [IL13]. **trickle-bed** [IL13]. **Tricomi** [DA18c]. **Tricomi-type** [DA18c]. **tricubic** [WZH18]. **tricyclic** [Dol11]. **tridiagonal** [Abd18a, Gem16, JSEM13, JL15a, JL15b, JL19, JL20, Mar16, dS15]. **Trigonometric** [LWQZ18, BM12b, Cvi10, GW15a, MS11b, ÜM16]. **triharmonic** [AEG18]. **trim** [SG10a]. **trimmed** [GR15]. **trinomials** [CKK+10]. **trip** [LJJ11]. **Triple** [WZH10, AM18, BFSO12, Sön11, TL10a]. **Trivariate** [DSB19, GK11b]. **trivial** [BDO11, SLKK19]. **tropical** [Lit13]. **Truncated** [KLCD16, WZH18, CChL14, MCB10, MLG17, PZJ+16, PZAR19]. **Truncation** [EM19, SMK18, BGGCGRSP16, LY11b]. **Trust** [Ber16, DNZ+13, SPCS13, AFGL10, AA10a, LLH11a, LLH11b, ZLL12]. **Trust-region** [Ber16]. **trusted** [WD13]. **Trusting** [BCF+14]. **truth** [Wu10]. **Tsallis** [BPM12, MBKK10]. **Tsanev** [Sen12]. **tube** [GK18]. **tubes** [AVR17, Tri11]. **Tucker** [GN12]. **tumor** [APT11, CB19a, CGJ+14, EE18, HBS+10, HW19b, KFTT13, Özu15, SSM+17, WHLC11, ZHC17]. **tumorous** [NCV+18]. **tumour** [AWJH19, Amo18]. **tuning** [dSCM12]. **tunneling** [COR18, YLDL11]. **tuple** [SD12b, Zha11b]. **turbid** [LTLL12]. **turbine** [DGGBTRJF12, KDG11, WXYW11]. **turbulence** [DSWB18, Dun18, FVVS16, GWR+18, JL16, KNIF13, MM16, PLR15, WAG+14, WTSS10, YL18a, YCW+14]. **Turbulent** [GUK13, Cos18, DdSF13, De 10, GLW13, GSD+19, GJX18, HBK+19, HS18, JQG14, KP18, LDS10, LZZC12, LZPZ19, MS17, NDC+19, PZZ18, PLR15, SKTC15, SKTC19].

Turing [BGL+15, DA16, SD11b, SZ14, TH13]. **turn** [yN11]. **turning** [KAG11]. **TVD** [HLL+15]. **TVL1** [LHL14a]. **TVL1-based** [LHL14a]. **twin** [KAG11, SD12b]. **Twisted** [Sim10, WY18a]. **Two** [AGT19, AA10c, BMRA10, BWL18, CP15a, mCfX10, CLN+19, DM12a, DM16, FMS19, FDG+17, hGzS15, HH11, HCZ16, Hu18, HM15, JJ15, LZ16b, Liu11b, MM18c, Pop11, QM19, RG18, RS13, ySW10, SJPS11, TCHW19, UBF11, WC17, WLW17, YD12, YGH11, ZN18, ZT15, ZLS13, ZYW17, AM13a, ATO19, AHHM19, AJRWS12, Ali15, AA10b, AdSSS19, AER12, And12, AVZ15, ADS14, ASSV18, AGD10, ABK+13, BJLZ12, BN14a, BTEM19, BKL14, BBBM16, Bic11, BSZ16, Bis14, BMSS18, BM18d, BV17, BZT16, BSY+19, BPF13, Cal19, CST14, CP16a, CQ11, CLW11, CLB14, Che14, CCCW16, CS18, CCZ18, CR18b, CHT11, CKRW19, CS11d, CTD10, Chu12b, Col14, CYM13, CX18, CDS15, Def10a, Def10b, DM15, DTR19, DB10, DLS14, DSVS15, DDM+18, Dos12, Dra11a, DIS19, ES18, Elb11, FR15, FLZ14a, FLH10]. **two** [FZL+18, FM17, FAIV10, Fio14, FIW13, FIM18, GBG11, GK11a, GH14, GMB12, GOT19, GL16, GML17b, GC19a, HGHA19, HY15, HPC12, HP17, HA16a, HSZ15, HD16, Hu19, HA10, HWXC18a, ID10, JJH16, JW05, JL18, KG14, KVJB15, KV17b, KN11, KRCJ11, KK14a, KYO10, KYR11a, KYR11b, KO11b, KLP10, KCL14b, Koj10, KPG18, Kuo11, KYY12, KGM11, LMPE18, LCM14, LA11, Lep11b, LD11b, LZH16, LR17a, LCS18, LZ19a, LNKU12, LXL14, LMZ18, Liu10, LHL12b, LRH13, LDL+15b, LWZ16, LCHZ19, zLYLQ19, LFAL19, LGVS19, MP10a, MP11a, MPZ11, MCL15, MY16, MA17, MZB10, MNJ+13, MLY11, MS15, MY13, MM19, MSFS18, NWZ11, fNS11, Oru19, PS12a, PD11, Por18, PLKCC13, QX19, Qiu12, RZ16, RQ18, RWW18, RWTW19, RFP11, Rus16, SSS16, SSHH+18, SPT17, SK11b, Saj12, San12, SS16a, Ser19, SHH16, SKCL19, SZL+17]. **two** [SY18, SPST18, uIAA15, SZC+18, SRV10, SYW11, Sul16, TR14, TTG16, TM18, TS11a, TAPA+17, TDM13, TRL19, Tur10, UMLF13, VC12, VMP15, WZ11a, WWLL13, WV14, Wan14, WV16, WW16, WY16, WH16, WCH18, WHS18, WBZY18, WZC+19a, WO18, Wei12b, WFZ12, WZY13, WS16, WCLD18, XG10, XM15, XZ18, XZ11, XX19, XZL10, YGS17, YJ19, Yan19, YQWZ19, YXP+13, YCLY15, Yil19, YYC11, YS16b, YSX+19, YK17, ZCW15, ZZ15a, ZLS19, ZCSG13, ZDLC14, ZTC14, ZLL14, ZC16, ZR16, ZLJ+18, Zha18d, ZT19, ZCLW19, ZJB19, ZL10a, ZYZ11, ZLA17, ZLC+11a, ZJZ18, ZSD10, ZBL12, ZQ14b, ZR18b]. **two-** [YCLY15]. **Two-aircraft** [YGH11]. **two-by-two** [ZZ15a]. **two-component** [DB10, YYC11]. **Two-dimensional** [BMRA10, RG18, AM13a, AHHM19, AJRWS12, Ali15, AdSSS19, BSY+19, BPF13, CLB14, CCCW16, CS18, Def10b, DM15, DSVS15, DDM+18, Dos12, FR15, FLZ14a, Fio14, hGzS15, GH14, GL16, GML17b, HSZ15, Hu18, HA10, JL18, KG14, KK14a, KCL14b, KPG18, LCM14, Lep11b, LZH16, LR17a, LCS18, LWZ16, LFAL19, LGVS19, MP10a, MP11a, MPZ11, MM19, MSFS18, Oru19, PD11, Por18, Saj12, SZL+17, SY18, SPST18, uIAA15, SZC+18, TS11a, TCHW19, VC12, WW16, WY16, WCH18, WHS18, WZC+19a, WCLD18, XZ18, XZ11, XX19, YGS17, Yil19, YSX+19, YK17, ZCSG13, ZDLC14, ZTC14, ZC16, ZLJ+18, Zha18d, ZYZ11, ZLA17, ZJZ18, ZSD10]. **two-directional** [Bis14]. **two-fluid** [RQ18]. **Two-grid** [BWL18, HCZ16, Hu18, QM19, TCHW19, WC17, BN14a, CCZ18, CR18b, HD16, JJH16, LZ19a, LRH13, LDL+15b, WBZY18, WFZ12]. **two-handed** [LNKU12]. **Two-layer** [AGT19, zLYLQ19].

two-layer-liquid [WO18]. **two-layered** [SRV10]. **Two-level** [ZLS13, AVZ15, Chu12b, FIW13, LHL12b, MS15, WCLD18]. **Two-machine** [AA10c, AA10b]. **two-mass-spring** [GBG11]. **two-material** [ZLS19]. **two-mode** [BJLZ12]. **two-parameter** [FIM18]. **two-party** [HPC12]. **two-patch** [KVJB15, KV17b]. **Two-phase** [CP15a, ATO19, ABK+13, BTEM19, BSZ16, BV17, Col14, DTR19, GOT19, LMPE18, SSS16, SSHH+18, SPT17, Ser19, Sul16, TR14, TDM13, Wan14, ZR16, ZLC+11a, ZQ14b]. **two-point** [AER12, Bic11, Tur10]. **two-prey** [ADS14]. **two-relaxation-time** [KGM11]. **two-scale** [TAPA+17, TRL19]. **Two-sided** [SJPS11, FZL+18, MY13]. **two-sidedly** [CST14]. **two-solitary** [LD11b]. **two-species** [CKRW19, LMZ18, ZT19]. **Two-stage** [MM18c, YD12, CHT11, MLY11]. **two-state** [ZBL12]. **two-step** [CYM13, FLH10, HWXC18a]. **two-sweep** [RWTW19]. **two-terminal** [fNS11]. **two-tiered** [YXP+13]. **two-variable** [GK11a]. **two-way** [Koj10]. **Type** [LN98, SSR11, AR10a, AD10a, AD11a, AÖ10b, AP10, ADK10, AdSSS19, AAA12, Ana11b, AR17, AGPCC10, ANR11, Bae10, BKT11, BK12a, BV11, Ban13, BM11b, BM18a, BCK11, BX10, BD11c, BF11, BML11, BHJ14, CMGR11, CGY10b, CC19, CQRW11, CTG17, CS18, CO19, CZ15, CZ17, CS12, CT10a, CCP19, CD16, CJCV10, Cov13, DLS18a, DN18a, DN10, Dar11, DA18c, DK12, DDM+18, Dra11a, Dra11b, DFS14, DSL18, Ers16, EKE18, FKF13, FLH10, FL11a, FM12a, FXCC18, FP18, Fur13, Gao17, GTC18, Gav12, GKK11, GHM+14, HY18, HGSL18, HLLM19, HmZ11, HCF16, HSBL11, HN10, JJC11, JPS10, JH10, KP13, KPR13, KC11, KKBR19, Kha10, KYR15, KJ11, KM11, Lee11a, LSCG16, Li10c, LLW10, LD11b, LZYW13, LL16a, LX17, Li18b, LZL19, LCW19, LD19, LSZ11, LRV13, LTSW16, LMZ17, LYZ17, LW18b, LCLL18, LYC+19]. **type** [LLP19, LPP15, Lu11, LS11d, Lü14, Luo19, LPY16, MPLR18, MI16, MN17, Mor10d, NZ14, NP12, Nil11, NUH12, eOS18, ÖAK11, PCS13, PS12a, Par15, Par17a, PRR10, QXG13, QHT16, QZM17b, QM19, RKW12, Sal10, SSO10, Sar10, SS11b, Set12, SV11, SC19b, TL10a, TZZ11, TÇA12, THD11, THH12, TTX+16, TNV19, TD10b, Uze10, VA10, VSI12, VAB12, Von11, WL11b, WW15, Wu18a, WX18b, XZR16, XC18, XWH16, XZL10, YY14, Yan11b, YL13, YM17, YGS17, Yu17, YZ19, Yüz12b, ZS11a, ZHJ11, ZJ17, Zha18b, ZDM11, ZHJD13, ZT16b, ZWW13, Zhu10, Li13, MBKK10, Üns18]. **type-2** [LZYW13]. **Type-II** [Li13]. **types** [BR13b, GD10a, ID10, JW05, JLP10b, XM15, YZ10b].

UBIAS [Ogi12, Ogi12]. **ubiquitous** [AJJAD+10]. **UBM** [Hon12]. **UCM** [RY10]. **UHF** [QCYL12]. **Uhlenbeck** [Li18d]. **Ulam** [Cie11, WZF12a]. **ULT** [LM17, ZL16]. **ultra** [AY12, Füh18, VMC+14]. **ultra-parabolic** [AY12]. **ultra-short** [VMC+14]. **ultra-weak** [Füh18]. **ultraslow** [YLC18]. **Ultrasonic** [CLW11, HB19]. **Ultrasound** [LYSZ19, FQLC18, GGL13, Ray16, jZsQdLmG19]. **unbalance** [PFBL10]. **Unbounded** [SZ11, BKR11, FMS19, GH14, LWBW13, WL17a, YL14, YLG17, YL18b]. **uncertain** [AEG11, BV11, BR12b, CZMZ11, Gao11, HGN+10, LZ11a, LZT11, LBH+12, LCYC12, Lin12, LZ12c, PG10, WYY11, YWHC11]. **uncertainties** [FPB17, HLCY12, JZ12, LC12a, LYY12, SP12, WLT13a]. **Uncertainty** [BCPS15, LZYW13, SH12b, WY15, FSM19, Gor13, HDS11, WS12, WLT13b, ZHT11, dPRVRB13]. **Unconditional**

[GL16, GH18, SW17, YS19a, LLYL19]. **Unconditionally** [SS14a, AHP+14, HP17, LLJK10]. **unconfined** [KP19a, SVY16]. **unconstrained** [AA10a, FLH10, GYTD12, HSD10, KL12b, LFZ19b, MHL11]. **unconventional** [DPM15]. **uncountably** [LWKK10, LZKU11]. **under-determined** [TNP17]. **under-resolved** [NDC+19]. **underlying** [ZH18b]. **underwater** [TTT10]. **Unfitted** [FVZ18, WC15, dPLM18]. **Uniaxial** [ZR18b]. **Unidirectional** [BB18, Sza15]. **Unified** [FL11b, KSO16, LZB15, Öza11, Ala10, AS19, FDXW11, HL18b, Kun12, LPML19, OSS10, WSCW16, XC11b]. **Uniform** [FSTN18, FSZ18, FST19, LZ18c, Abb10, AM12c, CJ15, DE10, HKJ14, HO19, JK10, KNZ19, KK14c, LPML19, MPGW19, MN10a, Oru19, SLK12, SKG+11, SKFG11, SR18, TAA14, Tri11, XZ11, yZjM10, ZCSG13]. **uniformization** [ZWC10]. **Uniformly** [CG14, LN98, Li10c, AKS10, BBD10, CsH10, CS11c, MS18, NPR10, Noo11, SK11d, Yao10]. **unilateral** [EKZ17]. **unintuitive** [SLKK19]. **Unique** [Che19a, SWC11]. **Uniqueness** [CP15a, LY11a, LWD15, QYL10, WRY18, WCW13, ZX11, BK10, CM11a, CM15, DQ10, FKeT12, GRS18, Goo11a, JS11, LJ11, LZ12a, LZ11d, LLL12, Liu16c, Luc10, MS12a, MY10, Ouy11, Qiu12, SW12, SLL12b, TNHK19, WAW15, WW14b, XLY10, YWL17, ZSH11, ZDB19, ZLW19]. **Unit** [Gal10d, DSK+14, DH10c, JFS14, JFS20, LYZ11, LSM11]. **Unit-free** [Gal10d]. **unitary** [OVV+16]. **united** [Wan12]. **units** [BGRS11, OKTR11]. **unity** [BASW18, CDP16, GCE18, KdLK19, SL16b]. **univalent** [KHUO12]. **univariate** [WXF10]. **Universal** [Tso13, TL10a, WZCC10, Zhe11]. **Unknown** [CZY13, AsNAd10, HN18, HP13, SBM10, TNT12, THY+10, TKHL18]. **unknowns** [KLP10]. **unlabeled** [MHH11]. **unmatched** [HLCY12]. **unreduced** [GH13a]. **unreliable** [GD11, WY11b]. **unsaturated** [BKNR19, KMT19, SSS16]. **unsaturated-saturated** [KMT19]. **unstable** [PP12]. **Unsteady** [BPZ19, BKR10, LZZ11b, MCR11, ZWG11, AV14, BHJ14, DZW16, DM19a, EA10, FKKS11, HH17, HHS+17, KNZ19, MC11, MLZ+16, Pal13, RKF18, RS14b, SYI12, SZZ11, YYK16, Yan18b, YT18b, ZAK18b, ZTC14, ZH15a, ZZLB18, ZLZG11]. **unstirred** [WWG10]. **Unstructured** [LFAL19, ZQ14a, BDR19, DFP+13, JZ12, JCF19, LPLR19, LZZ19, LZJY16, PZZ18, TBP19, WZH18, ZÖXL+19]. **Unstructured-mesh** [LFAL19]. **Unsymmetric** [BS17, LHL+14b]. **updated** [RWW18, WSM+19]. **updates** [LHL+14b]. **updating** [DWZ13, KH13, MHL11, XC16]. **UPFC** [AR10c]. **Upper** [HGSL18, Ipe12, Pul16, ZY15c, AJ12, LT18, SB19, San12, SRG16, WL17a, WZ10, ZS11b]. **Upscaling** [PLKCC13, HJ13, ILS13]. **uptake** [IS12, XBHN16]. **upwind** [CW17, sCYhX18, CS18, CKRW19, JYYL16, LHL15, YT18b]. **urban** [BDPM12, KAK+12, VMAVGCM19]. **Urysohn** [SNH10]. **use** [ABFGZ11, GZ10, Ikh11, KK10c, MTN19, OO10, SSSB11, SD12a, SDH13, ZZWG16]. **used** [HZ16]. **useful** [Li11a, MSH10]. **user** [LYX11, SBA10, TXZ+10]. **user-private** [SBA10]. **users** [KAK+12]. **Using** [DFJS10, FHH13, HSZ15, LCW12, LCA+17, WSCL11, AAR11, ATO19, AHV10, AMGC19, AR10a, AÖ10b, ASA16, AB10b, AJAR18, ArEM10, AM14a, Alo11, ATH18, AJS14, BOY12, BPM12, BRFH16, BAO+12, BMM12a, BBBM16, BBO10, BL12, BE18, Bri10, CKSL+14, CKL18, CDFP12, CD14, Cer18, CKK+10, Cha18, CCL+12, CL12b, Che12c, Che15a, CHT11, CUK12, CLJ11, CFLX18, CAC14, DGB10b, DRT+15, DPM15, DM15, DA16, Del13, DMPV10, DB12, DGH17, ES18, EAAS18, FJB19,

FKC12, FL13a, FLWJ11, GLLC19, GVSP12, Gep16, GHT+15, GTL16, Git14, GMI11, GMAM12, GGR19, GHCZ18, HTGSH13, HH18b, HKI12, Haz11, HJ13, HGJP19, HJD15, HMM12, HA18b, HYS+14, HH10a, HD19, HPY10, IK12, JKB11, JKK12, JK11a, JCWZ16, KAG11, KRCJ11, KMS19, KW11, KSMT11, KPP13, KW14a]. **using** [KMS15, KL16b, KHF+19, KVR11, KSMN11, KKK16, KK17, KW12, KORR10, LGHR16, LS10a, LMR19, Laz10, LDS10, LKLP12, LL12a, LKK12, LPLR19, LSW16, LLW10, LK11, LS11b, LZZC12, LY15, LS16, LW17, LYY12, LL12c, Lin14, LLG10, LGH+11, LTL+12, LX15b, LZJY16, LCLL18, LvS15, Lu11, Lup11, MAN+15, MCKM12, MPY16, MNJ+13, MNPD15, MG11, MD15, MBKK10, MN10a, MM19, MAK12, NKM15, NH15, NGG12, OHK+19, ODAZ15, PC14, Pap15, PZJ+16, PZAR19, PJ17, PT15, PM10, PDHL12, QLT+18, QWGJ15, RMS10, RMA10, RSL+18, RES10, RIW12, Ray18, RSB14, RMS12, RG11, RCG15, RR11, ST15, SH11, SS11a, Sea11, SL18b, ST18, SSM12, Sin16, SL16c, SSP13, SM19, Ste16, SW10, TR14, TMMASG10, TTT10, TY13, TBP19, VP11, VMO10, VBK13, WJ11, WAG+14, WLA18, WKBR18, WY15, WO10, WTC+12]. **using** [WCW13, WL17b, XFL16, XY14, XLZW11, XXG10, YYK16, Yan12a, YWHC11, YMDZ10, YASK10, yYsZyYL13, YW11b, YLLN16, YK17, ZHB11, ZM14, ZTR11, ZSAN18, ZSAN19, ZW11a, ZS11b, Zha18d, ZL13, ZPGW16]. **utility** [KC12]. **Utilization** [SZDO10]. **utilizing** [QXLL11, ZZHF12]. **Uzawa** [CM16b, FP18, LM18b, Yun13]. **Uzawa-type** [FP18].

V [McN12, She16, Amb12, AM13c, GSI19, ZFLM19]. **V-line** [Amb12, AM13c]. **V-shaped** [She16]. **vacation** [LXYT11]. **vacations** [WY11b]. **vaccination** [DYQM14, KKL16, XXH18, YZ18]. **vaccine** [SG11a]. **vacuum** [RJGS+19, Wu11a]. **Vague** [HLY12a, XMWH10, YJZ11]. **Vakhnenko** [jC11, LMMF17]. **valent** [AX11, EAA10, YL10a]. **valently** [PA12]. **validating** [SXB+12]. **Validation** [HHNLGC18, SNEP19, GSI19, GSPK15, MS13, MLSLM15, MBT+13, OAKR16]. **validity** [AaC19, RZL11]. **Vallée** [Kig10]. **Valuation** [Ciu11, CWW15, CW14, CXZ15a, CWDL17, DT17, ELS11, FXC18, LZL16]. **value** [Aba10b, AEG18, AA11, AN11a, ANP11, AW11, AH11a, AAH+18, AIIZ10, AA18, AER12, ASSV18, BZ10, Bai11b, Bai12, BS12a, BBC+11, Bic11, CHS11, ÇT12, Cha11a, CP16b, CCD10, Che11d, Che12b, CLCF14, CX18, CN11, DGB10b, DL10, DN10, DGK10, DBEE11, DB12, ESN10, Fer11, FM12b, GCE18, GMI12, Goo10, GKM11, GR13b, GW12c, GF19, HLWX11, HYCP11, HL11b, Jan10, JZ11, KA10a, KP10a, Kaw15, KM12, KFYW11, Kim11, KAS11b, LC11a, LN98, Li10c, LLZ10, LCW10, LYZ11, LW11a, LW11b, LS11a, LL11, LYLX11, LCK13, LZH16, LR17a, LJ10a, LZ11e, LZ11d, LZ14, LHF11, LCZ11, LLL12, LS12a, LS12b, Liu12, Luc10, MM10a, MN10a, MS12b, PC11b, Pit12, Pov12a, RS15, RCH19, SKPW14, SKM11, Sta11, SZ11, Su12, SZW11, SZ12b, TB10, TKBMT17, TDN19, VAB12, WZH10, WWA11, Wan11, WG11, WZF12b, WQRZ14, WHS12]. **value** [XZC12, XLD11a, XLD11b, YK18, YY10b, Yan11c, Yan11d, YZY10, YC10b, Yas12, ZSH11, Zha18a, ZJ10b, ZY10a, Zha10, ZBF11, ZLC+14, ZSS10, ZL10b, lZxLhY12, dPLM18, uRK11]. **valued** [AD11b, AvdW13, BC11, BBR10a, ÇA10a, CMS10, CS11d, FLLF10, FRZ15, HRMS10, HRMS12, JPS10, JTC+10a, Jia11, JMST11, JY11, KR11, KK10b, LKS10, RI12, gShYL10, WD10, WG11, WYG12, Wan13a, WL13a, WPL16, Wu10, YLY+09, vdW14]. **Valuing** [JYK16]. **valve** [KEHB18].

Vandermonde [Res16]. **vanilla** [SL16b]. **vanished** [AS11b]. **vanishing** [FN14]. **vapor** [Kup11, Kup14, Laz10]. **vapor-liquid** [Laz10]. **VAR** [DNZ+13, Che11b, CS14b]. **variability** [RS12b]. **Variable** [KK13a, WN18, AJRWS12, BB10a, BZ18, CL17a, CTSX16, CLTA11, CLB14, Dem10a, Dem10b, Ebr11, ES17, ES18, EA10, EUTS18, FZL+18, FRZ15, Gal10c, GK11a, HH18a, HP17, HHGA19, IMS19, JL18, KSZ18, KÖ10, KWFY11, KYR15, Lam12, LY11b, LCS15, LLML15, LWL11, LYY12, LN19, LZ19c, zLYLQ19, LXYT11, MDW11, Mac12a, MCB10, MC10a, MA10b, MCR11, MHHC18, MM18a, MAST18, MV11, MM18d, NLA19, NCV+18, Osm18, RS14b, RA19, SD10b, SYG11, SZA+18, Sha18, SNDK18, SRG16, VMFF18, WW18a, WLZ+18a, WZC+19a, WLXZ18, Wu16, WTLS18, XZ18, YTC+18, ZYG10, ZLPM13, ZDLC14, ZZLB18, ZWH+19, ZW11d, ZY15c]. **Variable-coefficient** [Dem10b, CTSX16, ES17, IMS19, Lam12, LWL11, WLXZ18, WTLS18, YTC+18]. **variable-exponent** [MAST18, Sha18]. **variable-order** [BZ18, CLTA11, CLB14, HHGA19, JL18]. **variables** [ABFGZ11, CTM+13, FLDZ12, LLZ11, LL13, Liu10, MRR11, Nie10, RÖ10, Sun11, TMSO12, XZL10]. **variably** [DM15]. **variance** [BKM11, HZ18, JMNZ19, LS11c, MDW13, WLHZ14]. **variance-reduced** [MDW13]. **variant** [IK12, KG11, LHY18, LZ17, LBJ10, SS18a, SJHC14, WSL10, Zha19b]. **Variants** [EGSHR10, LZ18b, Yun13, FL13a, LZ16b]. **variation** [GKS17, KS11, LX15b, Liu16e, TD10a, Wei10a, YZM+19, Zha19b]. **Variational** [Agr10, AMA14, Auc18, CTS19, DRD12, EK16, Elb15, GH15, Kar18, LCZ11, Naw11, PTP14, PMA17, SEY12, YMDZ10, YYYH19, Aba10b, AM14a, ABCR10, AT11, Ant14, BL10, BLS18, BHM19, Bar17, BMM12b, BPG10, BKY10, BXKZ11, BX14, BS15c, CB11a, CB11b, CB11c, CY14a, CGY10a, CKW13, CW10b, CC11, CW14, CAP10, CT10a, CMT12, DSZ18, DWS19, Els10, Far11, Gen10, Gen11b, GALO18, HSWZ11, HZ11, HR15, JJC11, JPS10, KA10a, KFYW11, KTA12, KH18, LGHR16, LKS10, Lu11, Mai16, MT10, MT11, MT12, Mat19, NLA19, NZ14, NUNAS11, NN12, eOS18, PN10, Ped18, QL10, QZM17b, QM19, RGdSRLAJ10, Sea11, She11, She12, SMH18, SS10, UCK16, WD10, cW11, qXjH11, XJLX10, YXS10, YC11, YX11b, YLK10, YDL11, Yua18, ZCW15, Zha11a, ZLLF12, ZHZ14, ZLW18, ZLWL11, ZY10b, ZW11d]. **variational** [dCM12]. **variational-hemivariational** [BHM19, SMH18]. **variational-like** [RGdSRLAJ10]. **variational-type** [JPS10]. **variations** [FXCC18, NUH12, OMT12, PAT13]. **various** [BC15, BK16, KC11, LBZL11, SCV10]. **varying** [BO10, BBO10, CRG16, CBB15, DVMS13, DHGF17, HW19a, HGW11, KLP17, KMT10, LZ12c, OÖ11, SMC10, SI10, WYN12, WS12, WZG19, WCCS15, Xia11]. **vcBK** [ZZ11b]. **Vector** [AHHM19, AH11b, BOY12, CEF+13, CLF10, CLW11, DGGBTRJF12, GAVOF11, HLY12b, JPS10, JWX+13, Kha10, LZ11b, LSJ12, LW12c, LLZ12, Mar12, OVV+16, PT11, RH15, SW11, TJQS13, yZjH12, ZQ14b]. **vector-borne** [LZ11b]. **Vector-potential** [AHHM19]. **vectorial** [RGdSRLAJ10]. **Vectorized** [KB13]. **vectors** [GAVOF11, JW10, RS14a]. **vegetation** [RB19]. **vehicle** [GWR+18, KPL11, LLWZ11, RT11]. **vehicular** [CHY12]. **veins** [MAN+15]. **velocimetry** [RMB+14]. **velocities** [Gal10b, Gal10c]. **Velocity** [GSZ11, BMJ10, BS18b, CT10b, De 10, Fer12, GOT19, HL18b, Liu18c, NWZ11, PLKC16, RS14b, RR14, VMP15, Yan19, YLC12,

YT13, YWT18, YT18b, ZSW15, ZZ16b]. **velocity-components** [PLKC16]. **velocity-two** [VMP15]. **Venant** [ZTR11]. **Vendor** [DMPV10, BO10, KGJ11]. **ventricular** [AY18]. **Verification** [PBS12, CZ11b, WMSH11, YWL+11a]. **verified** [MMS+18]. **verifying** [ZMG10]. **Versatile** [GMAM12]. **version** [Haj18a, SHH16, WHS12]. **versions** [AT18a, JKS19]. **versus** [BOT14]. **Vertex** [CG13, ATZ11, CBBE16, CCM14, DYX11]. **vertex-based** [CBBE16]. **Vertex-centroid** [CG13]. **vertex-degree** [DYX11]. **vertical** [ABV11, Das12, DGM14, GDM13, MCB10, MS10c, NPR10, REHA11, RRP16, SPH10, ST18]. **vertices** [LSM10]. **Very** [CT17c, CM14]. **vesicles** [DVM12]. **vessel** [BNR10]. **vessels** [HZLM10, MDL18, YLF19]. **via** [AD15, AA15, AHF10, Ant10, AKMUH17, BK11a, BMAR18, BR12b, BGM19a, CP16b, Che11c, CSSW12, CTG17, Dan12, DAM14, Far11, GTG11, Haj18a, Haj18c, HT18, HGHA19, HLSN15, HLY12b, JZ11, JK18, Krn12, Kun12, LK15, LZC13, LTT13, LFZ19a, LCYC12, Lin11, Lin12, fLcJ10, LLH11a, LLH11b, zLYmL18, LLSW10, MR17, ÖAK11, PB12, PW18, QCT17, RSS10, SSAM11, SHM13, SIL19, SDH13, Set12, SS19, Sou11, SZ12b, SK14b, Wan10a, WZWX11, WZF16, WY16, WFL11a, Wen18a, XFH19, XC11b, Yan11d, Yan19, YLK10, Yaz11, YAS+11]. **viability** [MGW11]. **vibrating** [CNR10, GHC15a, SSS11b]. **vibration** [BC15, DD19b, JW15, Kia16, KYA15, LPML19, PLW+18, PHM+19, SSH15, TAA14, WY18a, WL17b, ZTW+19]. **vibrations** [CKR10, JZ13, RSS10, TS11b]. **video** [CUK12, HDHL11, LYM12]. **view** [CX16, GH10, XZL+11]. **viewpoint** [LS10d]. **VIKOR** [PCK13]. **viral** [WYL19, XGH17a, XGH17b]. **Virtual** [Rus16, WRW13, AAB+13, ABSV18, Cal19, DM18, TMLF19, WTC+12, CM16c, MRR18, Vac18, dVDR18]. **virtualization** [JXZ+10, JCZZ13]. **virus** [EOM11, SW19, TTM19, WZXS17, YX16, YZMZ16]. **virus-to-cell** [YZMZ16]. **viscoelastic** [BP19, BTB18, CRA19, CYZZ18, FH16, GGL13, HC16, HW19a, KLP17, KDG11, KPK18b, MLZ+16, NB11, QaY18, RSS10, RS13, RSP18, SPH10, Sha18, SP12, Tia17, TY16, WSW11, Wan13b, XC13, XJ18, XHH+19, YZ10a, ZH15b]. **viscoelasticity** [NHH13, NH15]. **viscometer** [HAESLB14, HLB14]. **viscoplasticity** [FKF13]. **viscosities** [WD16]. **Viscosity** [KN12, CB11c, CYL17, CZ11b, CL15, DNR13, EUTS18, GRBT16, GC19a, KAG11, KWFY11, LL16c, Ma18a, Ma18b, MCB10, Mai10, MA10b, MCR11, Naz13, RTV17, SD12a, TLR17, Wan14, YZS18, ZZ18b, ZH19]. **Viscous** [ySGL+10, eMA18, DSL11, GZN19, GGO16, PTH+16, ST14, Wan14, YSW16, Ye15, Ye19]. **Vision** [KPL11, Hua12, RMS12, YC12]. **Vision-based** [KPL11]. **visualization** [LMPG13, RSL+18]. **Visualizing** [SLKK19]. **visually** [WNC12]. **vital** [KK12]. **vivo** [CSU13]. **Vlasov** [GSY10, MB10b, RÖ10]. **vocal** [ZJZ+11]. **VOF** [JGK13, MLSLM15]. **VOF/FVM** [MLSLM15]. **voids** [SWL19]. **Voigt** [AT17, BN14a, BP19, KLRW12]. **volatility** [BM12a, BS10b, CKM12, HZ18, LW17, LL17, SYZ19, WY19a, ZZ19, ZC11c]. **volcanic** [BCF10]. **voltage** [AR10c, BPS18, ZLG+10]. **Volterra** [ABJ11, AD12, ACTB19, BMRA10, BR12a, BGPP11, BE12, BK13, CS16, CSW11a, DSR10, GKLR11, HKI12, JWX14, KMRN12, MG16, MTM11, MBH11, MKR12, MBHV10, SNMA12, SYG11, TS11a, Tom11, Via15, YSS11a, dAS18]. **Volume** [CDS15, FIS18b, LK15, Pas14, ABLS15, BMSS18, CG13, CWW15, CS18, CCZ18, Che19b, CV14, CM14, CCM14, CSU13, CT17c, DPBL16, DRK11, EFK15, EKE18, GY15, GR10,

GGO16, HMF+19, HLZM16, HZM11, IS14, JW19a, JYYL16, KRBS18, LLFT17, LW17, LHL18, LHL15, LZJY16, MGTH16, MZM19, MM19, NSYY13, RQ18, SD11b, SLCC12, Tam16, ZL19b, ZSY19, ZQ14a, ZZL15]. **volume-filling** [HLZM16, IS14, MGTH16]. **volumetric** [FGPP17, Zho16]. **Voronoi** [FJWW16, WJWW12, XY16]. **Vortex** [Che18, GC19a, WFC16]. **vortices** [CNH17]. **vorticity** [eMA18, CRG16, RCG15, Wen18a, YTZ17, ZZ16b, ZaY17]. **Vries** [YYC11, Asl10, Dem10b, ES18, KT18a, LGZ19]. **vs** [BKL+19, OC10, PMM17]. **vulnerability** [ZHQG12, ZHJZ11]. **vulnerable** [JYK16].

W [EMRS12]. **WALE** [WTSS10]. **walk** [Mil18]. **Walker** [EMRS12]. **walks** [AHOP18, JKMS12]. **wall** [AD19b, Bog11, CDW11, HBK+19, HWY14, MJ14, MMA12, PAE+12, SRDD17, YL18a]. **walled** [Kia18]. **walls** [BNR10, BSK11, RKA+18, STS19]. **Walrasian** [Sca11]. **warranty** [CL12a, VCM11, VC12]. **waste** [MC10b, ZZHF12]. **wastewater** [DFM15]. **Water** [GZD18, BASW18, CRXL15, Dem10a, Dem10b, EGAA19, GZR+13, HIS19, KHWK10, KK19b, Laz10, LF11b, LZ16a, LFC16, LZ19c, MZM19, MNJ+13, Men18, MDBCF16, PLMS14, RKA+18, RS18a, RMY19, RRO17, SZA+18, ySGL+10, TTT10, WBN18, WFL11b, YGS+16, YLG10, ZÖXL+19, ZDZY17]. **Water-like** [ZDZY17]. **waterborne** [ZWZ16]. **waterline** [LL17]. **Wave** [CBB15, XCZQ16, ARESH18, Abd18b, ABL15, Ade16, AJS19, AAEG17, AKMUH17, Bac14b, BCH+18, BL17, CNR10, CM18a, CLC16, jC11, CCKY12, CZ15, Chu11a, CZ18, DGA18, DA18d, DL14, DSVS15, DC15, EGAA19, ES17, ES18, FYYT11, FH16, FIW17, GM18a, GZZ+16, GH15, GSY10, GMI11, GS11b, GR19b, GZD18, GMZ15, GML17b, HKJ14, HB19, Hal13, HC16, HH18a, HW19a, HLL13, HP19b, HNPS13, HSC17, HTY+19, HLY12b, HLY17b, IMS19, JGSS10, JA11, JKK12, JPK17, JPK18, JQSS12, KBA11, KSG11, KKLJ11, KPK18b, KSF14, KS12b, KBK19, KK19b, KK19c, LD11b, LDL11, LZ16a, LFC16, LX17, LZL19, LM19a, LGZ19, LCLL16, LX15a, LYC+19, LZ19c, LWW19a, LMP13, MWL18, ML19a, Man18, Men18, ML19b, MTAS17, MAST18, MNPD15, MNT15, MR15, PD17, Por18, Pov12a, QTW+18, RZ16, RAD13, Ray16, Ray17, RG18, RMY19, Ros12]. **wave** [SC19a, SAIZ15, Sea15, SIL19, SS18b, SRG16, SMYK19, TZ15, TG14, TTX+16, TDN19, UKI11, VKJ13, WF18, WZ18a, WWD18, Wan19a, WZ18c, WZMY18, WX18b, XW19a, XZL+11, YTD+18, YW10, YC11, YGS17, YCHW18, YL14, YLG17, YHC18, yZjM10, ZLL14, ZM17a, ZCT18, Zha18d, ZBFC19, ZWH+19, ZD15, dVLV18]. **wave-guides** [KSF14]. **wave-like** [GH15, SAIZ15]. **wave-particle** [GSY10]. **wave-soliton** [HTY+19]. **wave/diffusion** [JLTB12]. **waveform** [BOT14]. **Wavefront** [HLZM16, MR15]. **wavefront-based** [MR15]. **wavefronts** [DMP18]. **waveguide** [Liu18b, Osm18, ZR18a]. **waveguides** [ZSZ18]. **Wavelet** [BPM12, KV18, SB14, AuIA17, BP11a, BBR10b, DB10, GM14a, HHGA19, LWZ16, Liu16d, LZS12, Oru19, eOS18, RG18, SNMA12, SKH12, VAB12, XCZQ16]. **wavelet-based** [BBR10b]. **wavelet-Galerkin** [SNMA12]. **wavelets** [AuIK11, BE12, Cer18, HGHA19, JYF+11, Lep11b, MKL11, uIAH10]. **wavenumbers** [SS14b]. **waves** [BL18, CJK18, CTSX16, CWH13, Dem10a, Dem10b, DLS14, DTYZ18, Dub13, EGAA19, EK16, FER15, FZ18, GZW+18, HS12, Her14, HTY+19, HYC18, LM18a, LGH+11, LWW19b, Luo18, MS10c, OSA13, PTZ19, PJ17, QTW+18, RS18a, RRO17, Sea14, Sea16, THfL17, Tao18, Tia19, VDV13, WTYZ17, WO18,

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Anonymous:2019:EBo

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