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$(3, 1)$ [DOZ94]. $(m, l, s)$ [BL99]. $-1$ [Cum96]. 1 [FF05, GT14, Han05, JRS15, NV10, NSW16, TZ07]. $1 < p < \infty$ [LWY06]. 2 [Boc04, DL98, GM14, HKR04, Lee03, Möß10, Pot04]. 2.1933 [Pla00]. 3 [CK11, GL13, Hem95, Hem96, HS13, MU14, VW02, vdHS00]. 4 [Han98, Jia11]. $4n$ [SC08]. 6 [DLUS17]. $[-1, 1]$ [CT05, CKK12]. $^2$ [WZJ18]. $^3$ [MRS22]. $Ax = b$ [Cul96]. $c$ [Rip99, Sch11b]. $C^0$ [CFZ21, SS14, WY20]. $C^1$ [KST21, KJ09, LL04, LPSSP00, NZ04, NSZ04, Sab04, SS04, DL98]. $C^2$ [AF96, GSS22, Rem12]. $C^3$ [CGM01, CM03]. $C^k$ [MSS02, PR99]. $C^r$ [LLS96, LL98]. $C^\rho$ [LLS94]. $C^s$ [KV21]. $d$ [DQS20, HX02, Rob98]. $E$ [MP96, Pré94]. $\ell^1$ [GN08, GS13, MZ13]. $\ell_1$ [SHTS14, ZYY16]. $\ell_1, 2$ [Fli18]. $F(z + 1) = b^{F(z)}$ [PC17]. $F_A$ [BW15]. $F_D$ [BW15, TZ05]. $GC_n$ [HV19a, HV19b, BH17]. $H$ [Dai16, MS00, Peñ11, GH06, Xu04a, ZQ13, ZG16]. $H(\mathrm{div})$ [DMS22]. $H^{-1}$ [She09]. $H^1$ [HS20, ZJZ21]. $H^p_F$ [HLT11]. $H_1$ [MSS02]. $H_2(\overline{\Omega}, \partial\Omega; \mathbf{Z})$ [RBGS18]. $hp$ [MW01]. $L^2$ [CLZ02, LL10, LL12b, MS16, WQP23, ZW23a]. $L^2(\mathbf{R})$ [CHL17]. $L^2(\mathbf{R}^d)$ [CR08]. $L^\infty$ [Noa14]. $L^p$ [War13, RS99, BR23]. $L^p(\mathbf{R})$ [LWY06]. $L^p(\mathbf{R}^n)$ [PS23]. $l^q$ [BR23]. $L_0$ [TGA96]. $L_1$ [LW04, DSS09]. $L_2$ [KSUW23, DSS09]. $L_2(\mathbf{R})$ [Atr12]. $L_p$ [Jia95, LWZ19]. $L_p(\mathbf{R}^d)$ [DL04]. $l_q$ [LWZ19]. $L_r$ [CDP09]. $M$ [CTZ02, Jia00, Tem98]. $\mathbf{R}^3$ [BST24]. $\mathbf{R}^d$ [War13]. $\mathbf{R}^n$ [HNN23, Sor18]. $\mathbf{S}^3$ [Grä12]. $\mathcal{H}$

[AFM23, FMP22]. $\mathcal{H}_2$ [BGH15, BCS19, BB24]. $\mathcal{H}$ [KM19]. $N$ [HCF+21, ZTHW22, BH17, DKLT93, SC08, UG19]. $O(N)$ [GM14, HCF+21, ZTHW22]. $P$ [Dai16, Peñ11, Tyg23, CGG+20, CMM21, CS03, Don19, GH06, Jan98, SL12]. $P_0$ [ZT15]. $P_1$ [ZT15]. $\pi(x)$ [Kot08]. $q$ [Rob98]. $Q_1$ [HW18]. $QR$ [CM99, LMV11]. $\mathbf{R}^2$ [KL00]. $\mathbf{R}^3$ [KL00]. $s$ [Hes09, KL04, KL07]. $S^2$ [HL08, Hes09]. $\sigma$ [SX07]. SO(3) [Grä12]. $t^i e^{\lambda t}$ [MPR22]. $\tau$ [gTpM02]. $\theta$ [MP18]. $V$ [ZXC12]. $\varepsilon$ [GH16]. $\varphi$ [BEG22, WZtX16]. $\boldsymbol{P}_1 \oplus \boldsymbol{RT}_0$ [LLR24]. $W$ [CGH+96, IB17].

**-adaptive** [ZQ13, ZG16]. **-algorithm** [MP96, Pré94]. **-analysis** [ZYY16]. **-approximation** [KSUW23]. **-bases** [MS00]. **-channel** [Jia00]. **-conforming** [DMS22]. **-continuous** [WY20]. **-convergence** [CDP09]. **-d** [NV10, TZ07, DL98, FF05, VW02, JRS15]. **-dimensional** [DQS20, HCF+21, ZTHW22]. **-energy** [Hes09]. **-error** [WZJ18, BGH15]. **-estimate** [CLZ02]. **-finite** [HW18, LLS96]. **-fold** [Jia11]. **-frame** [CGG+20]. **-Frames** [CS03]. **-function** [BEG22, IB17]. **-functions** [WZtX16]. **-fundamental** [LL98]. **-geometrically** [ZXC12]. **-harmonic** [Xu04a]. **-inverses** [AFM23]. **-isometry** [SL12]. **-matrices** [Dai16, Peñ11]. **-matrix** [FMP22, KM19]. **-method** [MP18]. **-methods** [gTpM02]. **-minimization** [Fli18]. **-monotone** [KL04, KL07]. **-orthogonal** [SX07]. **-penalty** [GS13]. **-piecewise** [PR99]. **-point** [DLUS17, SC08]. **-poised** [BH17]. **-refinable** [CTZ02]. **-regularization** [MZ13, SHTS14]. **-smooth** [KV21]. **-sphere** [HKR04, Pot04]. **-splines** [BL99, MSS02, NZ04]. **-stable** [TGA96]. **-subgradient** [GH16]. **-subspaces** [HLT11]. **-superconvergence** [ZSB01a]. **-synthesis** [ZYY16]. **-term** [Tem98]. **-values** [Tyg23]. **-version** [Don19, Jan98]. **-wave** [HX02]. **-weighted** [MS16]. **-widths** [DKLT93, UG19].

**/fourth** [FZLZ21]. **/volume** [LLLH23].

**1** [BF94]. **19.07.1998** [Sil99]. **1D** [ATS19, BSK19, CHS21].

**2** [DMBH24]. **2-chains** [RBGS18]. **29** [Fus08a]. **2D** [LRY23, MH22, GQL24]. **2D/** [GQL24].

**3D** [ANGV19, BCC22, CGHK23, GQL24, GSS22, ZD18]. **3D-VAR** [ANGV19].

**4** [Hem96]. **409b** [CN96].

**96c** [Hem96].

**a-posteriori** [MRH15, SWH20]. **Abel** [VNS18]. **Abel-type** [VNS18]. **ability** ['Sw19]. **absence** [GM14]. **absorption** [NKL+19]. **accelerate** [KKL+22]. **Accelerated** [HQHV20, GM22]. **Acceleration** [Pré94, XY15, CV23, DMMS11, LZY98, MP96, WMB13, ZCY20, ZTHW22]. **accelerations** [Noa14]. **Accuracy** [FF05, ZCY20]. **Accurate** [HX21, MPR22, WWX18, Del17, GM22, GJW20, HBMY14, HW19a, KCCV23, Qiu23, SJJY21]. **acoustic** [ARPR01, BBR02, GM22, HSSS18, HR02, LMRV23a, LMRV23b, ZP06, ZP24]. **across** [ZMQ23]. **action** [Las16]. **actions** [WW19]. **active** [KPY09]. **active-set** [KPY09]. **Adams** [Wil98]. **adapted** [AL13, Che06, CZS16, GK19, GHLU19, LW23, Str13]. **Adaptive** [Ano01b, BDD06, BMP+19, BDMR10, BLS02, CHP19, DFR07, EOR18, FYL08, GDMS21, HMX22, Hol01, Kac18, KKL+22, KHM16, LC20, MSZ06, MJM23, PP97, QW11, RTV21, RWT13, WZM21, XZ03, ZW23b, AM24, ASU17, AU20, APV14, ACPV21, BKN11, BMK15, BV24,

BCE+09, BF94, CCE+12, DMMS11, Dũn11, Dũn12, FaKT22, Gia20, HBH24, KCW17, KESR22, KC16, LC18, LZL23, LJL20, MSL21, RS19, RSZ11, SW96, SvVW22, Wan22, WBY24, WLPV15, XYZ21, ZL16, ZQ13, ZG16, ZW23c]. **adaptively** [GJS14]. **adaptivity** [AK01, CR23]. **adding** [RY13]. **additional** [CaL06]. **additive** [Bre95, PTC12]. **ADI** [FZLZ21, QX21]. **Adini** [MS19]. **adjacent** [Khl18]. **Adjoint** [LSLS14, BST24, FGO14, FMPS13, YZ24]. **ADMM** [BC19, TY18]. **Adv.** [Fus08a, Hem96]. **Advances** [Ano02d, BOP+15, Ano03c, Ano04d, Ano04e, Ano04f, Ano05a, Ano05b, Ano16]. **advection** [CLZW13, CtTB21, LZCW21, Zen19]. **aerial** [ZB99]. **aeroacoustic** [CEL15]. **Affine** [CSS98, Jia03, CHSS03, Mai06, PW94]. **affine-invariant** [Mai06]. **age** [Kim06]. **age-structured** [Kim06]. **agent** [PSW24]. **agent-controlled** [PSW24]. **agglomerated** [CH22a]. **aggregated** [YB21]. **aggregation** [AL21]. **Airy** [dLL19]. **algebra** [BN19, BN21, BKN11, BP11, CLM02, FH05]. **Algebraic** [JF02, RSA14, RM19, CHS20, CGR13, CCLM21, DMMS11, FÁG19, Hau97, HF19, LMV11, Pan95, SXYY06]. **algebras** [Kni24]. **algorithm** [AKKN22, BMB14, BPK96, Bre19, CP99, Che02, CX04, zCpST09, CZS16, DM19b, DES21, DLK12, DGK15, DHWZ18, FKS05, Fou23, GL23, GM14, GR19, GIKV21, Han05, HHX18a, HHX18b, HCH20, HZHL12, HFH15, HCF+21, JZ10, KBL22, KPY09, KC16, LY21, LD07, LWZ19, LWWZ22, Maz07, MU14, MP96, Mur08, Pré94, QW11, Rip99, Rob98, RHZ17, Sid20, Ven94, nCV13, WW12, WLW16, XWL13, Yao19, ZSHZ15, ZTHW22, ZS24, ZXC12, Zwi94, dH94, Yao19]. **Algorithmic** [Cai02, GH99]. **Algorithms** [Ano02d, FMR00, GN01, ACM+22, BGM93, BEPS96, CHM18, CDPS22, CW19, DT96, DM23, DT12, FJ99, FRT09, Gon93, GN08, GH16, GS19b, LLS09, LT06, Li04, LSXZ15, LKT18, LT12, MSZ06, MSXZ13, Sab04, SMK22, Tem98, Tem00, Tem01, Tem02, VM17, VK96, WLPV15, XZ01, Yin07, ZQS22, ZS21]. **all-electron** [SL15]. **Allen** [RWT13, GWC24, HS20, JlLZ20, KL22, LZL23, QZX23]. **almost** [CJKK18, GP95, yGmW98]. **along** [FM18]. **alternate** [MP96]. **Alternating** [SYCJ18, TSV21, YF23, YKZ19]. **Alternative** [LPY10, Sch11b, SLT21]. **Ambient** [Mai20]. **American** [lZmCRX03]. **Ampère** [Awa15, CFZ21]. **analog** [LPY10]. **analyses** [KKL03, MNC16]. **Analysis** [ADL11, DSW20, GS18, GPS21, JS05, KS17, KvL95, KL16, Lee03, LLR24, LJL20, MO19, VW02, WZ19, WZ20a, dFGAJN18, AGN23, Ang00, AK15, BBB22, BSK19, BMSR+16, BBdD21, BC19, BSSM22, BEPS96, CDP03, CCSS09, CR23, CCG10, Che06, CGH+13, CS19, CV23, CGHK23, CDM+24, CKW10, CsL18, DM22, DMBH24, DG13, DLZ16, Fin19, Flo96a, FM04, GAN20, Gat21, GRdSA19, GJMY19, GGRBRG21, yGW07, GL17, HMM21, HL20, JS21, JK08, KK05, KA97, Kum23, LP19, Lee16, LC21, LA22, Lev99, LKT18, LZ20b, LY21, LSY22, LMV11, LY08, Lut04, MH22, MS19, MWW13, Nie98, OS09, OBS15, Onc14, PM17, PLRGVR22, PS98, RMCCG+19, RAB+09, RHZ17, SXZ06, SLN14, TY18, TZ03, TS05, VW05, WYW11, WXWL19, WZ10, WOBL17, XB05, Xu14, YDF97, YL24a, Yao16, YZLL24, Yem22, YXM23, Yin07]. **analysis** [ZSB01b, ZGGW12, ZYY16, ZW23a, ZL20, ZL21, ZW20, Zwi94]. **Analytic** [CCK20, CSW96, MXO13, Kot08, Pet00, RAB+09, Sto96]. **analyze** [FÁG19]. **analyzing** [KL15, LCC19]. **anchoring** [SJJY21]. **Anderson** [CV23]. **angled** [MB96]. **angled-derivative** [MB96]. **angular** [SF14]. **Anisotropic** [GKM+20, BlH23, BSSM22, CtTB21, CGRS15, DKMT20, GO95, GQ22, HS03,

HW18, Kun01, Pei05, WQP23, ZC14]. **Announcement** [Ano01c]. **anomalous** [ZD17]. **ANOVA** [PW24]. **antenna** [SFDE15]. **antennas** [MKS02, Ryn00]. **Antisymmetric** [Jia03]. **any** [KXZ04, Mon09]. **Appell** [BCZ05]. **Appending** [Kun95]. **Application** [FE15, LL12a, Nee96, lZmCRX03, AGN23, BEG17, BDD06, CLL08, CZS16, CGS93, FRT09, yGSlX03, KF19, Li10a, LZ21, LD07, MSW+22, MU14, PZ16, Pré94, RF19, SWH20, SL12, Svá19, Wal95, Yao19, YZLL24, ZGV22, ZL16, BBF+24]. **applications** [ABI15, ByLl01, CdGDN20, DST04, DNS21, DQS20, DS13, yGS08, HKR04, HAS05, HX17, IY22, JGW15, JW95, LP19, Low05, MRS18, RT14, RZ10, RSZ11, SW06, Sto96, TLG+22, TX19, WZtX16, YTL+20, vdHS00]. **applied** [AC05, BBB21, BBB22, BP11, CEL15, Smo07, ZB12]. **Applying** [MGSS22]. **Approach** [Zoz15b, AHK+19, ANGV19, AR20, BBF+24, BCS19, BPJ02, BKP20, CCSS09, CCNT21, CC24, CHRX06, CS18, DGMES13, DKK22, ES23, FÁG19, FBDH19, FY13, GHKL18, Grä12, HT12, HQR23, JKK+12, KvD01, LSW17, Leo02, MMNM23, Pan95, PPH+21, RLGGAV19, SBZR19, SLT21, Wal95, WM21, ZD14]. **approaches** [ZD17, Zoz15a]. **approximability** [FMP22, Fou23, KM19]. **approximants** [BCZ05, CDTV99, VK96]. **Approximate** [CLMR10, FPR+12, FGO14, GN01, FOW14, IMS99, JLZ08, KK05, Kim06, NBL11, Pan95]. **approximated** [GLS15]. **Approximately** [CJKK18, DM15, GGRBRG21]. **approximating** [CGR11, DM22]. **Approximation** [AMM20, AB11, BDKY02, Bei23, BGN17, BR15, CP04, KP04, Le 05, Li09, Lut04, MZ22, Mha93, MNW99, NSW07, PR19, Pot04, SS16, SS08, SSK24, Xu04a, ZJ06, AS21, AK01, ASS10, Ara20, BX94, BN21, BC99, BMK15, BS05, BW20, BEG22, BNPP20, BB24, BA15, BFCIV22, BW15, CLLS06, Cas07, CL07, CLM96b, CH22b, CP07b, CG17, DPS93, Dar03, DY01, EGL13, FJ99, Flo96a, FHN94, FW15, GHdN12, GZW18, GLX23, Grä12, GS10, yGmW98, Han12, HMX22, HW00, IY22, JS21, KS20, KORS17, KL04, KL07, KSUW23, KvD01, KP18, LP21, LS98, LW04, LW14, LT06, Li94, Li03, Li10a, Li10b, LT98, LB93, LL07b, LP14, Mai20, MM00, Mai05, MN15, MRH15, MNW96, MWW13, MS04, MS16, NW04, NS04, Nee96, NG99, NZ04, ON18b, PWL20]. **approximation** [PW24, PS98, QZX23, SMK22, Spe17, TLG+22, TX19, Tem98, TYY11, TDG16, WZ20a, War13, WH07, WZ20b, YZB20, YF23, YCQZ24, YZ08, Yoo01, ZP19, ZCL20, ZW23b, ZW23c]. **approximations** [ALRÁY22, ByLl01, CCG10, CHS21, CW19, Che06, CGH+13, CJN18, DG13, DG16, ER21, FF05, GJU22, GHJZ23, yGSlX03, yGS08, HL05, HR01, HX02, IB17, IMS99, JGW15, Kot08, MRS03, Ryd19, Sid20, SU22, WXWL19, YLBL12, Ye00, ZZP23]. **arbitrarily** [Han10]. **Arbitrary** [ZJ23, CMP07a, CHR00, GH18, HW00, LW23, SL05, Ven94]. **arc** [Leo02]. **architecture** [Jan98]. **Area** [HR17, LLLH23]. **area-** [LLLH23]. **area-/volume-preserving** [LLLH23]. **arguments** [Bre19, MS22]. **arising** [AM14, BNP14, JM00, LN14, LL99, LSXZ15, MV01, TBD94]. **Arnoldi** [WZtX16]. **array** [AH96]. **arrays** [Cal05, SFDE15]. **arriving** [AGGAV+19]. **arrowhead** [RDEG24]. **art** [FRT09]. **article** [BS23, Zoz15b]. **Artificial** [PRS24, An20b, Mha93]. **aspects** [BZA24a, BZA24b, Le 00, Sau95, Svá19, Yoo01, dB00]. **Assessment** [PJ20]. **asset** [PGB15]. **assimilation** [GAN20, KKP19]. **Associated** [GH03, ADL11, CW09, GRV22, HLT11, KA97, LLLH23, LPSSP00, NSW07, SM00]. **association** [New96]. **astrodynamics** [ABI15]. **asymmetric** [WSL+19].

**Asymptotic** [AV15, CL07, CV23, FL00, HWZ13, JLZ08, RL07, DHO16, DGS18, LL07a, MWW13, WG19]. **asymptotic/numerical** [WG19]. **Asymptotically** [TX19, TDG16, Kac18]. **Asymptotics** [IS13, DS01]. **asynchronous** [Tal19]. **Atmospheric** [CLM96a]. **Atomistic** [APK18]. **Atomistic-continuum** [APK18]. **atoms** [FGO14, Füh16]. **ATPH** [BCHS22]. **attractors** [CTZ02]. **augmentation** [CWX06]. **augmented** [WLW16, XWL13]. **Author** [Ano00a, Ano01a, Ano02a, Ano02b, Ano03a, Ano03b, Ano04a, Ano04b]. **auto** [GLM23]. **auto-** [GLM23]. **autocorrelation** [BD10, Plo95]. **Automated** [Nes16]. **Automatic** [Hag98, GLM23]. **automorphic** [Kni24]. **autonomous** [MO16]. **avalanche** [IL16]. **average** [ALRÁY22, ABD08, Atr12, Li03, LD07, RJ00]. **averaging** [MSZ06]. **AWGM** [AU20]. **axi** [Nit22]. **axi-symmetric** [Nit22]. **axial** [Jia11]. **axis** [CCH+08]. **axisymmetric** [Ara20, BBF+24, BH02, FKS05, KNV01, LD22].

**B** [AMK19, CHRX06, CM12, FGS16, Flo94, JKLY13, KK99, LM06, MXZ08, MH17, NSS04, Plo95, Str95, Wal95]. **B-spline** [CHRX06, FGS16, Flo94, KK99, MXZ08, MH17, Wal95]. **B-splines** [CM12, JKLY13, LM06, NSS04, Plo95, Str95]. **background** [ACM+22]. **backpropagation** [KKP24]. **backward** [AK15, BCZ23, HT11, WLW23, ZL20]. **backward-Euler** [AK15]. **balance** [AL21]. **Balanced** [BDYY20, GPAF18, Kür18, CT17b, PWL20, RDEG24, Tha19, TTC21]. **balancing** [GKS19]. **ball** [Li08b, Xu04b, DP06]. **balls** [DQS20, Noa96]. **Banach** [CS03, DST04, Tem01, Tem07]. **band** [MNW04]. **band-dominant** [MNW04]. **banded** [AH96]. **bandlimited** [FPR+12, GP14, Lem09]. **bank** [CMX07]. **banks** [EGL13, Jia00, Jia09b]. **Barycentric** [War96, WSHD07, FHK06, GRB12, GGW24]. **basal** [IL16]. **baseballs** [ALDHHZ+19]. **based** [AS02, AV15, AB97, An20b, ABD08, BN21, BCM99, Bei23, Ben97, BH19, BS97b, BS97a, BS00, CZS16, CFZ21, CJKK18, DL98, DS10, DGMES13, DAP13, DLK12, DHWZ18, DQS20, Dũn09, FÁG19, FM14, FKT20, GZW18, GGW24, GWC24, GS13, HL05, Han05, HH15, HBH24, ILHH22, KKL+22, Khl18, KA97, LHH23, Mac94, MSZ06, MW01, MC10, Nai12, Nes16, NBL11, NKL+19, NP24, PM19, PRS24, SMK22, SS16, SS15, TQ17, TSZ98, VK96, Wat96, XZ01, ZMQ23, Zha01, ZLPX23, ZS21, PP23]. **Bases** [LW03, LP04, Maz04, CMR22, DS00, DP06, GJS14, GLT93, HHS04, Hua06, JL06, Li09, LWY06, MPR22, MS00, Pau19, QWXZ10, Sab04, TSY10, TYY11]. **basic** [BZA24a, BZA24b]. **Basis** [HORU19, ASU17, AZW15, ANGV19, AM14, AS05, BCM99, BGH15, BV24, BFMNP24, BDM20, Cai02, CP93, CEL15, CL16, DSW05, DP13, Fas99a, Fas99b, FF05, FS98, FW15, HK21, Hub12, IUV17, Jüt98, Le 05, LST11, LW14, LM14, LLY06, LL99, LR07, Li05a, Li10a, Li10b, Lic22, LK05, Low05, Mai05, MRH15, MMNM23, PPH+21, RS99, Rip99, RBGS18, Sch95, SL15, SS08, SRFH12, WH07, WK20, Wie15, Yan19]. **Bayesian** [SZJ21]. **BDF** [LZ20b, LYF+21, LHH23]. **BDF2** [WMW21]. **be** [Kle21, WS01]. **Beamlets** [She09]. **Bedrosian** [TSY10]. **behavior** [LL07b, RL07]. **behaviors** [YX24b]. **behaviour** [Mur08, Smo07, WW19]. **Bell** [Pit16]. **Bell-shaped** [Pit16]. **below** [YLBL12]. **Beltrami** [KN14, KNQ16, O'N18a, PTC12]. **BEM** [ADG17, CP15, EEK21, HS03, MS98, NT23, Tau19]. **Bending** [Alb15]. **Bernstein** [Sab04, ACM20, CMP07a, CP93, CCLM21, Jüt98, LKW17, Sor18, WSM13, WZ20b].

**Bernstein-type** [Sab04]. **Berzolari** [CG15]. **Bessel** [Bre19, KXL24, LYY13, Lóp18, Mac94]. **Best** [BDKY02, Rau05, CC24, Li94, Tem98]. **better** [DM23]. **between** [ATS19, BWX97, BCE+09, FK10, HR17, PZ16, SM00, She13]. **Beyond** [GN08, Buh06, Maz01]. **Bézier** [CC94, DP13, Flo94, LKW17, Sor18]. **Bezout** [GRV22]. **Bezout-like** [GRV22]. **bi** [JS99, LN19, TMH21, dCFCF20]. **bi-degree** [TMH21]. **bi-Laplacian** [LN19]. **bi-objective** [dCFCF20]. **BiCG** [Cul96]. **bicubic** [KP04]. **bifurcation** [PPH+21]. **bifurcations** [CGS93, ER99]. **biharmonic** [CL07, CLL08, FKS05, HSY16, Jeo98, JM03, Li10a, WXWL19]. **bilateral** [CW09, ILHH22]. **bilaterally** [KPY09]. **bilayers** [Alb15]. **bilevel** [MHR21]. **bilinear** [BCS19, BGW21, BGW24, BA15, DHGA23, KV21, Rei93, RGB18]. **binary** [GZW18, Khl18, LLY06, Lev99, SJJY21]. **binder** [SEE96]. **Binomial** [BMSZ01, And20]. **binomial-Kumaraswamy** [And20]. **binormal** [KKV15]. **biological** ['Sw19]. **Biorthogonal** [Jia11, CHR00, CL02, Kei95, KKL03, KKLY10, PST08]. **bit** [GKKS23]. **bits** [MNW04]. **Bivariate** [MNW96, Rem12, She08, CG04, CGR13, DL98, DS00, DZ04, Flo96b, LS98, LKW17, MH17, NZ04]. **Black** [PGB15]. **blended** [LHH23]. **blind** [Fli18, HR13]. **block** [AB97, Bai99, sCLC13, CSWP99, HH16, HHX18a, HHX18b, MC23, NBL11, TY18, TZL16, YL24b, dCB07]. **block-factorized** [NBL11]. **block-randomized** [YL24b]. **blossoming** [Maz98]. **Blossoms** [Maz04, Maz99, Maz07]. **body** [GM14, HKRS14]. **Boltzmann** [HXC10]. **Boor** [JS95, Maz07]. **Born** [CdGDN20]. **both** [ZYY16, ZD17]. **bottom** [TTC21]. **bound** [Bar03, GWC24, RDEG24, ZW22]. **boundaries** [BK96, CCLM21, She13, Sou22, Tau19]. **Boundary** [dLL19, GJMY19, IMS99, MS99, ACK19a, ACK19b, ABI15, AR20, BBB22, BSK19, BBdD21, Boc04, BLV20, BR22, CDS02, CWLH95, CP99, CWX12, CT17a, CHS17, CG17, Del17, DKK22, DQS20, EX20, FLM96, FK98, FZ12, FM18, FY13, FH18, GMM09, GM14, Gil17, GRdSA19, yGmW98, GH06, GPG15, HH15, HJH12, HR02, HZHL12, JSSE97, Jeo98, JM03, JS05, Jia09a, KP95, Kno09, KS17, KP18, Kun95, LD22, Lee03, LR19, LC21, LLR24, LS19, LQW18, MH22, MR96, MB96, Ock96, QC12, RZ98, SH23, SW98, TZ07, TSZ98, TGA96, VC00, Wan22, WLB22, ZCL20, ZGV22, ZS24]. **boundary-layer** [ZCL20]. **boundary-partition-based** [DQS20]. **bounded** [AS21, BBR02, CL16, CH22b, GM17, GKM+20, LWW21, PST95, San15, TDG16]. **boundedly** [CET21]. **Bounds** [AS08, Dam07, Dav23, LB93, Mai05, MRS22, NG99, NSW16, SWH20, TMH21, XHC15, ZXC12]. **Boussinesq** [Lee03]. **box** [BS05, CGR13, ZW19, Gér19]. **box-spline** [BS05]. **Bracket** [Chi03]. **branch** [IB17]. **branched** [KC16]. **breaking** [GH08]. **bridging** [ESTW19]. **Brinkman** [AMS22]. **Brunel** [New96]. **bulk** [EX20]. **bulk-surface** [EX20]. **Burgers** [KP18, WZzS21]. **Burridge** [XKY15]. **Butzer** [BS23]. **BVMs** [AB97]. **BVODEs** [Mui99]. **bypass** [HF19, KRP19].

**cache** [CM99]. **cache-** [CM99]. **Cahn** [LGC+20, CZ20, GWC24, HS20, JlLZ20, KL22, LYF+21, LZL23, QZX23, RWT13, SXWG22, WaZL24, ZY20, ZZL+24, ZL21]. **Calculation** [VC00, WWX18]. **calculations** [CLR19, SL15, Tad19]. **calculus** [Lic22, TH24]. **Calibration** [Tyg23]. **camera** [FGS13]. **can** [Kle21, WS01]. **canonical** [AS24, CL22]. **cap** [HW12]. **capabilities** [CLLS06, CLM96b].

**capacitance** [TW98]. **capillary** [BSSM22]. **Caputo** [Gu20]. **cardiac** [GLS15]. **Cardinal** [HL16a, HL18, BS05, Buh06, Led15, RS99]. **cardioid** [ALDHHZ+19]. **cardioid-parametric** [ALDHHZ+19]. **Carleman** [CHS21]. **Carlo** [ESTW19, KR19, PM19, Zhe23]. **Carlo-bridging** [ESTW19]. **carpet** [LSY22]. **Cartesian** [CH22b]. **Cas** [GGAVGG+19]. **cascade** [CX04, Li04]. **case** [AS24, CM03, Han05, KS20, RH12]. **Cauchy** [Bra01, BR07, CKP13, Cum96, KXL24, WZ10, ZW12]. **Cauchy-type** [Cum96]. **Causality** [GGL07]. **cavities** [QC12, VW02]. **Cayley** [DLP98, ZS21]. **Cayley-transform-based** [ZS21]. **CDG** [YZ24]. **cell** [ALRÁY22, ABD08, BEPS96, Dad17, JS05, KHM16, LR19, ZQ13, ZG16]. **cell-average** [ALRÁY22, ABD08]. **cell-centered** [KHM16]. **center** [EHV17]. **centered** [BEPS96, KHM16]. **central** [TQ17]. **centroids** [MFB+11]. **ceramics** [SEE96]. **certain** [Sto96]. **certified** [AHK+19, ANGV19, BV24, HK21, Pra23, SFDE15, ZMQ23]. **CG** [ZT14]. **CG-like** [ZT14]. **chain** [PM19, PR15]. **chains** [DMMS11, RBGS18, ZXC12]. **challenges** [Onc14]. **channel** [Jia00, YTL+20]. **characteristic** [CCE+12, HCH20, LZCW21]. **Characterization** [CHS20, LLS95, Li04, SZ09, FGG+17, FH20, Fus08a, Fus08b, GP95, LWY06, Mon09]. **Characterizations** [LY07, Far10]. **charged** [LW23]. **charged-particle** [LW23]. **Chebyshev** [BR13, Cop98, Fou23, MV99, Maz99, Maz01, MC23, Nee96, SC08, TZL16, WK93, Zhu15]. **chemorepulsion** [GGRBRG21]. **chemotaxis** [CEHK18, PLRGVR22]. **chiral** [HPP+19, ZGGW12]. **choice** [GPT17, JJLR14, Kno09, LLY12, RH12]. **Christoffel** [LP19]. **Ciarlet** [CL07]. **circle** [CJ07, GVSLN96, GKKS23]. **circle-preserving** [CJ07]. **circuit** [SS15]. **circular** [HO17, MKS02, PW08]. **circulation** [SI15]. **clamped** [LQW18, MM20]. **class** [ADL11, ABY13, Atr12, Bai99, BHT11, BDM20, CJKK18, DG13, GMS12, GKS21, Hak00, HR17, HCYY20, HX21, Hub12, IRT23, LLS94, LSXZ15, MSS02, MN00, ZW20]. **classes** [CKP13, Dai16, KL07, Pei05, Peñ11]. **classical** [Zoz15a]. **Classification** [CG04, XP10]. **classifiers** [ZJ06]. **Clenshaw** [XHC15]. **Clifford** [CLM02]. **cloak** [LSY22]. **Closed** [Hub12, Dav23, GQL24, Noa96]. **closed-loop** [GQL24]. **closest** [GS19a]. **closures** [SM18]. **Clothoid** [RW21]. **Clough** [LL98]. **Clustering** [CS18]. **CMOS** [Tal19]. **CNNs** [YZ23]. **co** [PR15]. **coarse** [CH22a, KS18, KXZ04]. **coarse-grid** [KS18]. **coated** [CH15]. **cocoercive** [nCV13]. **codes** [CHMR97, Hal95, Kir98, NKL+19]. **coefficient** [FL23, GS13, QZX23, SZJ21, Spe23, SJJL15]. **coefficient-based** [GS13]. **coefficients** [AS21, BKP20, CJN18, ÇY23, Ehr00, EGL13, Gia20, Kum23, LS18, Pet02, Wan23a, Wan23b, ZB12, dB00]. **Coercivity** [HW18]. **cohomology** [PR15]. **Cokriging** [BZ18]. **Cole** [HW19a]. **collections** [SB22]. **Collocation** [AHHR16, LS19, AB23, BJX09, CCK20, CCNT21, CDM+24, Cum96, FS98, GK19, Gu17, Gu19, Gu20, yGqW09, GW14, GW21, Han05, Hau97, HS13, HR02, HS16, LLS09, LK05, Liu99, LBCZ18, MWZZ23, MH22, MR96, Nai12, QX21, Ram95, RWT13, Sch09, XH13, YZLL24, ZP24]. **colonoscopy** [MU14]. **colorization** [LN19, YKZ19]. **combination** [FPT06, PW24, TSV21]. **combinations** [DGMES13, MPS96, MPS97]. **combinatorial** [TMH21]. **Combined** [DSS09, KK20, BBB+16, CLCH19, HO15, HCYY20, HY18]. **coming** [BDM20]. **commensurate** [Ryd19]. **common** [Len94]. **Commutation** [KMMI19]. **commuting** [GLT93]. **compact** [Gna07, HWZ22, PS23,

Str13, WZzS21, XY20, ZW22]. **Compactly** [CHSS03, JJK13, JS99, Wu95, CL16, Hub12, Lai06, LLS95, Len96, Wen95]. **comparative** [BSK19, DM23]. **comparing** [Sch15]. **Comparison** [HKR21, BBB+16, Zoz15a]. **compass** [GMB97]. **compatible** [TDG16]. **compensating** [AS24]. **competition** [Ble07, DLK12]. **complements** [Dai16, Peñ11]. **complete** [CtTB21]. **completely** [Dou94, Xu14]. **completion** [CMX07, DDLL23, GS19a, GS20, MHR21, WLW16]. **completions** [MRS14, MRS18]. **Complex** [NW22, BCC22, BFH+18, DOZ94, FMR00, FH05, FKT20, Han10, IL16, MKS02, PC17, Pau19, SM99, ZHzSR21]. **Complex-scaled** [NW22]. **Complexity** [NUWZ17, Tom96, Cho95, GKS19, Pei05]. **complicated** [Gia20]. **component** [Gat21, JLW20, LKT18]. **components** [RST+14]. **Composite** [yGjW10, CV23, Gia20, HXC10, Pla12]. **comprehensive** [FGG+17]. **compressible** [An20b, BBB+16, HCH20, ZCL20]. **compressing** [MST05]. **compression** [DPS93, DKLT93, DES21, LW14]. **compressive** [FBDH19, SL12]. **compromise** [BCE+09]. **Comput** [Fus08a, Hem96]. **computable** [CZ19]. **Computation** [Ano02c, BJMR24, PR15, ZA10, And20, ANSZ17, BPJ02, BH02, BK24, BPK96, CX04, ER99, GH99, KNV23, LKT18, LD07, MFB+11, Miy19, NP18, NT23, PPH+21, dCFCF20]. **Computational** [Ano01b, Ano03c, Ano04d, Ano04e, Ano04f, Ano05a, Ano05b, Ano16, Pei05, Sau95, Yoo01, dB00, BZA24a, BZA24b, BOP+15, CGDHRÁ+19, CC24, FÁG19, GRdSA19, Lee03, Sch15, NW04]. **Computationally** [TL18]. **computations** [ASU17, GGAVGG+19, GDMS21, KP98, MPR22]. **computers** [EJ97, vdH93]. **Computing** [BEG22, CKP13, GH08, GS19a, GKS21, HMS19, HBM03, Jon17, Kni24, KL15, AB23, AR20, BI11, HCF+21, Kir98, LMV11, MXY13, SC08, ZTHW22]. **concentrated** [GG06, PS23, RST+14]. **Concentration** [GZ13]. **concentrator** [HL20]. **concepts** [ESTW19, WLPV15]. **condensation** [HH19a]. **condensed** [ASS10]. **condition** [Awa13, CZ19, DKK22, Flo94, QC12, Sch95, SS96, Wan22, WL05, ZYY16]. **Conditional** [Xia13]. **conditionally** [FM21]. **conditioned** [ČF11, LWWZ22]. **Conditioning** [ZP24, Ant18, LG13]. **conditions** [ACK19a, ACK19b, BBB22, BR22, CDP09, Del17, EX20, EHV17, FLM96, FM18, FS07, Füh16, GW17, Gil17, HXC10, JM03, Jia09a, KK99, Kun95, LLR24, MB96, SLT21, TGA96, ZS24, ZhXpZ16]. **conducting** [ATS19]. **conduction** [BDMR10, CN96, HT11]. **conduit** [HYHH21]. **Cone** [Leo02]. **confidence** [KR19]. **configurations** [BEG17, CG04, CGG+20]. **confinement** [LQW18]. **confluent** [DGS18, NP18]. **conformal** [CWLH95, CL18, HL16b, LLLH23, MKS02, NRR+22, TB16]. **Conforming** [MN16, DMS22, YZB20, ZMQ23, ZC14]. **conic** [Flo96a]. **conical** [EHS02, PW08]. **conjecture** [Kle21]. **conjugate** [DDLL23, ZS21]. **conjunction** [DSS09]. **connected** [CWLH95, CL18, HL16b, RCJ+23, San15, TB16]. **connection** [BGM93, NSW07, SM00]. **connectivity** [NS21, PŠWX03]. **conservation** [CFC23, KK05, MV01, Yan19, ZQ13]. **conservative** [HWZ22, LR19, LZ20a, LZ22, WZJ18, XY20, ZW22]. **conserving** [ABI15, MWZZ23]. **consistency** [CX06, HFH+07, MNPR06]. **consistent** [KHM16, MSW+22, Sou22]. **constant** [KPY09, LY08, Spe23, ZB12]. **constant-coefficient** [Spe23]. **constitutive** [JS21]. **constrained** [BHT11, IUV17, KPY09, SW06, Yao19, KKL+22]. **constraint** [KXZ04, LC18, MHR21].

**constraints** [AHK+19, GHKL18, WOBL17, ZW19, ZLPX23]. **Constructing** [CGM01, FMPS13, GW17, GU02, Lem09, GM14, GIKV21, WM21]. **Construction** [AF96, BD10, ČF11, CHR00, CaL06, DHO16, FOW14, GS10, JMO00, Lai06, OBS15, Rei93, SX07, WOBL17, ABC14, BLP19, BCZ05, CCH+11, CP14, CMX07, CL02, FHK06, Hua06, KKLY10, LH13, MSS02, PST95, RBGS18, SW98, Str13, ZW23a]. **constructions** [CHL17, Lic22]. **constructive** [CGR13, DG16]. **contact** [HKRS14]. **context** [HSV09, Wie15]. **continuation** [Awa15, BSK19, Mur08, She13, Tim21]. **continuity** [LM04]. **Continuous** [CS94, DM93, LW23, LWX19, PT21, ALADH+19, ALZ02, BP93, DY10, DAP13, GGRBRG21, JL97, Len96, LA22, Mui99, WY17, WY20, ZT14]. **Continuous-stage** [LW23]. **continuum** [APK18]. **contraction** [PR15]. **Control** [GS22, KLNS95, AM24, AV15, AHS20, AMPT22, BGW21, CBK01, Cas07, ÇY23, CCE+12, EH24, GN13, HR01, KP18, LSY24, Lee03, LC18, LC21, LZ21, LY01, MRS03, Per22, Wil98, Yan03, ZW23b, ZW23c, dCFCF20, dLdDSM07]. **controllability** [CHS21]. **controlled** [PSW24]. **controllers** [CS18]. **controls** [MS16]. **convection** [ANN22, ÇY23, CCE+12, DFOS23, HO17, KY01, KXZ04, LC20, LRS12, Mat09, MG19, OS09, PP97]. **convection-dominated** [CCE+12, KY01]. **converge** [CSW14, Gon93]. **Convergence** [AK15, BQRB13, BBdD21, Bru23, CCSS09, CET21, FS98, Gom95, HX02, HW19b, JL19, KB15, LC18, Li08a, LG13, MH22, MS19, MNC16, Noe95, PK94, Ryn00, Sou22, TY18, WYW11, WZ10, Yao16, Yin07, ACM20, AAFV19, Ara20, Bad19, BC19, CLC16, CDP09, Che06, CS19, CV23, CZ19, CKW10, Don19, FJ99, FP99, FL00, GH06, GS19b, HL18, HS20, KKP19, Led15, LR07, Li04, Li05b, Li08b, LZ20b, LY21, PS98, Tem02, Wan19, Wan23a, Wan23b, WZ20b, Yao19, YXM23, ZJZ21, ZQS22]. **Convergent** [HPP+19, Lóp18, GQL24, KXZ04, LLS09, LWZ19, WMB13, ZYB18]. **conversion** [LPY10]. **Convex** [FPT06, TSV21, sCLC13, CZS16, CCH+15, FBDH19, FHK06, FK10, HH16, HHX18a, HHX18b, Kva14, LD07, LY01, MR10, MRS03, Par22, Pet96, RGB13, SYCJ18, TY18, War96, WSHD07, ZLPX23]. **Convexity** [CC94, KK99, SS14, Car95, Flo94, LPSSP00]. **convolution** [Cop98, HJJV97, Li03, YZ13]. **convolution-type** [YZ13]. **convolutional** [MZ22]. **Convolutions** [CK03b]. **Conway** [AVGGEG+19]. **cooperativity** [CGDHRÁ+19]. **Coorbit** [DST04]. **coordinate** [YWC12, Zwi94]. **coordinates** [FHK06, KB15, RGB13, War96, WSHD07]. **corner** [Noa98, Sab04]. **corner-cutting** [Noa98]. **Corrected** [Nit22, IRT23, WM21]. **Correction** [ACK19a, BZA24a, BD21a, HHX18a, LMRV23a, Wan23a, ZW23c, CS19, HV19a, KCW17, WaZL24, WM21, XH13, XYZ21, ZS24]. **corrections** [FXZ96]. **corrector** [CSWP99, ZD14]. **correlation** [GLM23]. **Corrigendum** [Hem96]. **corrupted** [XWL13]. **Coulomb** [HL08]. **Counterexamples** [LL07a]. **Counting** [TD21, Kot08]. **CountSketch** [MB20]. **coupled** [AMPT22, DFOS23, GLO10, HFH+07, JRS15, LZ20a, LGC+20, MRH15, MS98, OS09, XY20, ZMQ23]. **Coupling** [HF19, SH23, ADG17, DGMM16, GMM09]. **couplings** [EEK21]. **Courant** [CBK01]. **CP** [YL24b]. **Crank** [CLCH19, HCYY20, How96, New96, Ock96, SXWG22, aZWL23]. **creates** [Ito96]. **criss** [SXYY06]. **criss-cross** [SXYY06]. **criteria** [ZV08]. **criterion** [FBCR13, Tem02]. **Critical** [Sto96]. **Cross** [BH19, GLM23, HL96, Ryd19, SXYY06]. **cross-correlation** [GLM23]. **Cross-Gramian-based** [BH19]. **cross-validation** [HL96]. **Crouch** [JMO00]. **Crouzeix** [HMM21, YZB20, ZHY19].

**cryptographic** [Ren09]. **crystal** [HY14, LMYL19, LS20, RH15, RMCCG+19, Zhu15, aZWL23]. **crystals** [KK02, SJJY21]. **CSOR** [HJJV97]. **cubature** [DG13, GS10, IMS99, Pet00, Xu98, Xu00]. **cubic** [ANSZ17, BCHS22, CG06, CHS20, ČF11, Flo96a, JL06, NSZ04, PWL20, Pet96, Rem12]. **cubic-like** [BCHS22]. **cubical** [Loh23, PR15]. **cubics** [Noa06, PFMS05]. **cuboid** [HSY16]. **CUR** [DM23, VM17]. **curl** [BKK17]. **Current** [MM99, AGN23, AMPT22, BMSR+16, Cai02]. **Curtis** [XHC15]. **Curvature** [RS01, CC94, HW19b]. **Curve** [Pot95, Bei23, CM03, Khl18, MU14, Pet96]. **curve-based** [Bei23]. **curved** [KB15, SH23]. **Curves** [CL22, MP04, ABMM19, BX94, BWX97, BGN17, BC94, CHS20, CLM02, CGM01, Der04, FS94, FaKS02, Far10, FGS16, FGG+17, FM18, Flo96b, HBMY14, JKK+12, KLNS95, KKV15, Mon09, Pot95, PS98, RSA14, RM19, Sab04, ZN18]. **curvilinear** [LQ14]. **cut** [SLK20]. **cuts** [DT12]. **cutting** [Noa98, Sab04]. **Cycloidal** [MP04]. **cylinder** [MKS02]. **cylindrical** [ALADH+19, BGMS07, YDF97].

**D** [Hem96, HS13, Lee03, CK11, GT14, Han05, NV10, TZ07, Boc04, DL98, FF05, GM14, GL13, Hem95, MU14, VW02, vdHS00, JRS15]. **D-problems** [Hem96, Hem95]. **DAE** [GZA20]. **damped** [ADG17, JSW20]. **Damping** [TBG18]. **Darcy** [WaZL24, CHM18, MRH15]. **Data** [CP04, HO15, LW14, WBGG22, ALRÁY22, BCV23, BSK19, Bes03, BE00, CCSS09, CP15, CGW13, CMSS23, DZ04, DSW05, DSS09, ECS18, FHN94, FM04, GAN20, GSS22, GGW24, Grä12, GL13, HQR23, KKP19, KMO+14, KESR22, Kun09, LW04, LP19, LNW02, LP14, MS22, MST05, MJM23, MNW99, MHR21, NSW98, NG99, Pot04, PJ20, RF19, RS99, WL05, WSM13, Yoo01, ZMQ23]. **Data-driven** [HO15, WBGG22, GGW24, HQR23, PJ20]. **data-independent** [DSW05]. **datasets** [CC24]. **date** [ALADH+19]. **Daubechies** [DKB99, EGL13]. **Davidson** [MC23, TZL16]. **DCA** [HWZ23]. **DDFV** [DSW20]. **deblurring** [CZS16, KPY09]. **decay** [NV10, RCJ+23]. **decaying** [LP10]. **December** [Ano16]. **decision** [AGGAV+19]. **decoder** [HD20]. **Decomposition** [BRR18, BHM18, BFFM24, CM99, DT12, ES23, FKS05, GLM23, GL13, Hag98, HKRS14, HFH+07, HQR23, HS03, HYHH21, Hu07, KESR22, Las16, LH13, LKT18, LHY08, MB20, MMNM23, Par20, PS05, PSNP11, SI15, Sto17, YL24b]. **Decompositions** [DS13, AL13, CCN+16, CW19, CHRX06, DM23, VM17]. **deconvolution** [Fli18, HR13, WZM21]. **decoupled** [CHM18, DSW20]. **Deep** [YZ23, BFFM24, GHJZ23, Kni24, MZ22]. **defect** [ZS24]. **defect-correction** [ZS24]. **Deficits** [BCHL03]. **defined** [FMR00]. **definite** [Bai99, FM21, GS10, LS05, Pin04, SM99, WMY13, WMB13, Wen95, Wu95]. **definiteness** [Luo99]. **definition** [DQS20]. **deflated** [PPH+21]. **deformation** [HSSS18]. **degenerate** [AGN23, Gna07, LB93]. **degeneration** [Bes03]. **Degree** [PR99, ABC14, BR13, DOZ94, FL00, Mar95, Mon09, PK94, SM00, TMH21, Wen95]. **degree-raising** [FL00]. **degrees** [Loh23, ZRR23]. **DEIM** [ZMQ23]. **DEIM-based** [ZMQ23]. **delay** [BP93, BPW95, ER99, GH08, WY17, Wan19, ZZL+24]. **delay-free** [ZZL+24]. **delay-integro-differential** [WY17]. **delays** [Dad17, XH13]. **delta** [CDS02, DRS08, LPY10, Wan08, GKKS23]. **demand** [GS22]. **demixing** [Fli18]. **Democracy** [GHdN12]. **denoising** [BCE+09, JZ10, MSXZ13, Zhu19]. **densely** [She09]. **densities** [DMT03, WBY24]. **density** [An20b, CJN18, JJK13, WZM21].

**depend** [MGSS22]. **dependence** [KL22]. **dependent** [AKS23, BFMNP24, BKM+21, DFOS23, FaKT22, FL23, GS18, GQL24, HQR23, LZZ09, SW10, TBG18, TB16, TGA96, dFGAJN18]. **derangements** [IS13]. **Derivative** [FXZ96, FF05, FW15, KS17, MB96]. **derivatives** [BRSV15, BS23, LWW21, XL10]. **derive** [ZRR23]. **described** [FKT+19]. **describing** [Ara20]. **descriptor** [BW20]. **Design** [Yem22, Pot95]. **designing** [FGS13]. **designs** [BMRS20, HL08, Hes09]. **desired** [Lem09]. **Detecting** [BLP02, DGMES13]. **detection** [CGS93, CGW13, ER99, Lee21, MP00, SPS21]. **determinants** [Maz98]. **Determination** [LK20, FL23]. **determined** [BGM93]. **Determining** [SF14, LAG+24]. **deterministic** [BZI19, ÇY23, GIKV21, WSM13]. **detonation** [ZG16]. **Developing** [LCC19]. **Development** [CDP03, LSY22]. **deviation** [Tyg23]. **devices** [BMRS20]. **DG** [GM24]. **Diagonal** [Peñ11, Dai16, FMPS13, Kos15]. **diagonalized** [LWL17]. **Diagonally** [vdHS00, EJ97]. **diagram** [DQS20]. **diagrams** [CL22, PPH+21]. **Dictionary** [HBH24, NP24, BN21, Mai06]. **Dictionary-based** [HBH24, NP24, BN21]. **Difference** [EX20, BEPS96, Che06, CLL08, CEHK18, Dav23, ES23, FZLZ21, GK19, HWZ22, JRS15, KY01, LCC19, LZ20a, MB96, NV10, PL05, SYCJ18, TZ07, WZJ18, XY20, Xu14, YXM23, ZHzSR21, ZW22, ZLPX23, ZD16]. **difference-of-convex** [ZLPX23]. **different** [FKT+19, LQ14, WBY24]. **Differentiability** [Sau06]. **Differential** [KK02, ANGV19, BP93, BPW95, BCZ23, ByLl01, BV24, BFCIV22, CJX17, CWX06, CN96, DLP98, EOR18, ESTW19, ER99, FZ12, Fas99b, FY13, GHJZ23, Gu20, GH08, yGS08, yGqW09, GW21, Gut21, Hau97, HK21, HBM03, HS08, JS21, JLZ08, KA97, LMV11, Liu99, Loh23, Mai20, MS18, MMNM23, PM17, QX21, SW96, She13, lWyG06, WY17, WZ19, Wan19, Wat96, WK20, ZRR23, ZL24, ZV08, ZD14, vdHv97]. **differential-algebraic** [LMV11]. **differentiation** [KF19, WH07, XL10]. **Diffraction** [BBR02, EHS02, Wan22]. **diffusion** [ANN22, BlH23, BCE+09, CC22, CK11, CLM96a, CLZW13, CtTB21, ÇY23, CHS17, CCE+12, DFOS23, DKMT20, DSW20, FZLZ21, GLO10, HO17, HW18, JLW20, KY01, KXZ04, Kim06, KHM16, KC16, Kun01, LC20, LD16, LRS12, LZCW21, MR15, Mat09, MXO13, MG19, MNC16, OS09, PP97, QZX23, SZJ21, Sou22, TDG16, YZLL24, YXM23, ZD17, ZJZ21, ZC14, ZCY20, ZW12]. **diffusive** [GQ22]. **digital** [LPY10]. **digital-to-analog** [LPY10]. **dihedral** [BJMR24]. **dilation** [Gro13, Han98, Han06]. **dilations** [CHSS03]. **Dimension** [CL12, TQ17, KORS17, Mai06, PŠWX03, TD21, TMH21, ZD18]. **Dimension-by-dimension** [TQ17]. **dimensional** [AU20, BNR00, BJMR24, BR15, CMP07b, CCK20, CC24, CGH+13, CCH+08, CLM18b, CLM18a, DLS14, DQS20, EH24, ESTW19, FZLZ21, GDMS21, GJW20, HSY16, HCF+21, JN18, KKP19, KF03, LG13, LZ20a, LYF+21, LZZ09, LL07b, LK20, MR15, Nov00, Onc14, PW24, QX21, SM00, TH19, WHS18, XKY15, ZHzSR21, ZTHW22, ZQ13, ZG16]. **Dimensions** [ZWDD16, ACK19a, ACK19b, AS08, Bei23, Che02, FP99, Füh16, GL23, HW00, HH19b, JSW20, MS19, O'N18a, WZJ18, WG19, YZLL24]. **diminishing** [CGP95]. **DIMSEMs** [EJ97]. **DIMSEMs-diagonally** [EJ97]. **Dirac** [CDS02, DRS08, yGSlX03]. **Direct** [AM14, LL99, Che02, CGHK23, DZ04, GM22, LWWZ22, MS16, SH23, TY18, YX24a, ZGV22]. **direction** [BS05, LLS96, LL98, SYCJ18, YF23].

**Directional** [ANZ23, CCH+15, CGRS15, GL17, MSS02, NSS04, RF19]. **directly** [TQ17]. **Dirichlet** [AK01, ACH10, BBB22, GLX23, JM03, Lee03, Li05b, LLR24, WL12, ZS24]. **Dirichlet-to-Neumann** [WL12]. **discharge** [FKT+19]. **discontinuities** [AL13, BR15]. **discontinuity** [ZW19]. **Discontinuous** [LGC+20, Yan19, Ye04, AK15, BQRB13, BDFS19, BDM20, ÇY23, CHP19, CH22a, Don20, Gia20, KF03, LC20, Lep23, LZL23, Pet02, SXZ06, SH23, WXWL19, WaZL24, ZZP23]. **Discrepancy** [Leo13, Pla00, RJ00]. **Discrete** [CMX02, JSSE97, dLdDSM07, AAPCC24, AGGAV+19, BF11, Ble07, Bru23, CJX17, CHS21, CKM99, Dad17, GAN20, HS20, Kir98, LC13, LL13, MZ13, Mui99, Nee96, Rei93, Ryd19, TZ03, VNS18, ZV08]. **discrete-time** [AGGAV+19, BF11, Ryd19]. **discretisation** [DNS21]. **discretisations** [Mat09, WW19]. **discretization** [AS05, Bra01, CR23, FW96, HBMY14, HL06, HH15, JRS15, MV01, NV10, Ram18, RSZ11, TZ07, ZST19]. **discretizations** [Ang00, GH18, HL21, KM19, PGB15, XY15, XZ01, ZGV22, ZC14]. **Discretized** [HT11, CGS93, SXWG22]. **discriminating** [DGMES13]. **disk** [CWLH95, CL18]. **dispersion** [CLMR15]. **dispersive** [dLL19, HW19a, PM17]. **displacement** [HCH20]. **dissipation** [CLMR15]. **dissipative** [AMM20, BD18]. **distance** [PZ16]. **Distances** [BWX97]. **distancing** [DHSW19]. **distinct** [VK96]. **distributed** [BGG24, CS18, FYL08, HH16, LSY24, LKT18, LY01, ZBT+22]. **distributed-memory** [ZBT+22]. **distribution** [AR23, HCF+21, LK20, YZ23, ZD17, ZTHW22]. **distributions** [CDS02, CdGDN20, IY22, Li03]. **div** [BKK17, JJLR14, dFGAJN18]. **divergence** [Sor18, Urb95, WWH21]. **divergence-free** [Urb95, WWH21]. **Divergent** [Zoz15b, Zoz15a]. **Dixon** [Chi03]. **DL** [BFFM24]. **DL-ROMs** [BFFM24]. **DNNs** [LP21]. **does** [MGSS22, Spe23]. **Domain** [DT12, AS05, BMSR+16, CWLH95, DAP13, EHV17, GL23, GM17, Hag98, HKRS14, HFH+07, HO17, HS03, HYHH21, Hu07, KNV23, KS23, LSY22, LHY08, MMNM23, Par20, PS05, PSNP11, Rem12, Sto17, SL05, VW02, ZhXpZ16]. **domains** [BB24, BK96, CCNT21, CLL08, CL16, CH22b, DM19a, FKT20, Gia20, GLX23, GKM+20, GH06, yGS08, HL16b, IMS99, KB15, LG13, LHY08, NRR+22, QWS24, Str13, TDG16, YX24a]. **dominance** [Dai16, Kos15, Peñ11]. **Dominant** [GDB24, BH19, MNW04]. **dominated** [CCE+12, GQ22, KY01]. **dot** [LS05]. **double** [BST24]. **doubly** [BCZ23, DX20, Tor16, TB16]. **doubly-connected** [TB16]. **DOUG** [Hag98]. **Douglas** [HH16, TSV21]. **Dr** [Sil99]. **Drift** [CCDL20]. **Drift-preserving** [CCDL20]. **driven** [DX20, GGW24, HQR23, HO15, PJ20, WSL+19, WBGG22]. **driver** [ALADH+19]. **DtN** [Wan22]. **Dual** [AS24, BBB21, Boc04, CP03, zCpST09, CKK12, CKK16, CJKK18, Chr15, DM15, FGO14, FOW14, GRV22, HYHH21, JJK13, Jüt98, KPY09, LPY10, Lem09, LKW17, LYY13, LY21, Par20, Tad19, nCV13]. **dual-porosity-conduit** [HYHH21]. **Duality** [Noa06]. **duals** [CG10, CSS98]. **due** [KKP24]. **Dyadic** [DM99, CS94]. **Dynamic** [dCB07, AHS20, BHM18, EX20, HQR23, JS21]. **dynamical** [BH23, BFH+18, DHGA23, GDB24, RGB18, Tan17, UG19, WOBL17]. **Dynamics** [Dad17, APK18, HPP+19, Kim06, LW23, PSW24, ZST19]. **Dyson** [KS23].

**EARSM** [HF19]. **earthquakes** [XKY15]. **ecology** [MP18]. **eddy** [AGN23, BMSR+16]. **Edge** [CGW13, PGB10, SPS21, GL17, YKZ19]. **edge-weighted** [YKZ19]. **edges** [Var96]. **Editor** [Ano95, MM99]. **Editorial**

[GS12, MM93]. **editors** [Ano05a, Ano05b, Ano03c, Ano04d, Ano04e, Ano04f]. **effect** [ALDHHZ+19, Spe23]. **effective** [HKR04, SWH20]. **efficiency** [DL04]. **Efficient** [CH22b, FZLZ21, JGW15, LP21, LMYL19, MV01, PS07, PPH+21, RBGS18, SMK22, VM17, YKZ19, ZMQ23, AZW15, CM99, CCE+12, DGMES13, GS20, HFH15, IP15, LD07, NT23, QZX23, SW98, TL18]. **efficiently** [LBCZ18]. **eigen** [Yao19]. **eigenfunctions** [SS16]. **eigenpairs** [GKS21]. **eigenproblem** [CR99]. **eigenproblems** [JM00]. **Eigenvalue** [YLBL12, Ara20, BPK96, CL07, EJ97, Gna07, HNT22, HR01, HL21, Kos15, LLZ10, fLLfDX21, MSZ06, Mar94, MC23, MTH21, RSZ11, TZL16, TBD94, WXWL19, WBY24, XY15, XYZ21, YXX22]. **Eigenvalues** [CGS93, AR20, BJMR24, Jon17, YZB20]. **eigenvector** [BPK96]. **eigenvector/eigenvalue** [BPK96]. **eighth** [TBD94]. **eighth-** [TBD94]. **EIM** [RH15]. **Elastic** [BC94, Ara20, Ble07, BGN17, CGM18, FE15, LD22, SLK20, WBY24]. **elasticity** [AAQ15, Awa13, BCV23, BQRB13, BBB22, DL23, HZZZ24, LLS03, Lee16, LLR24, MC08, NT23, PGM09]. **elastodynamic** [BCC22]. **elastomers** [Zhu15]. **elastostatic** [GG16]. **electric** [DD94]. **electrical** [HLN12]. **electrically** [ATS19, SFDE15]. **Electromagnetic** [CH15, BBF+24, BH02, Cai02, DMBH24, HL20, VW05]. **Electromagnetics** [Ano02c, CCP22]. **electron** [SL15]. **electrophysiology** [GLS15]. **electrostatic** [Tor16]. **element** [AN20a, AK01, ARPR01, AB11, APV14, AL97, ANN22, BNP14, BBdD21, BDFS19, BK96, BKM+21, CLLS06, CCG10, CZZ17, CBK01, CDS02, CLZ02, CLZW13, CLCH19, CFZ21, CT17a, CKW10, CLR19, CH22a, CG17, DHWZ18, DY01, DLZ16, DL23, EHS02, FF95, FYL08, FH18, GQL24, GAN20, GMM09, GLX23, GH18, GH06, HMX22, HZZ20, HR01, HW18, HCYY20, HL21, HCH20, HX02, HL20, HS20, HZZZ24, JS21, Jan98, Jeo98, JM03, JS05, JLZ08, JK08, KS18, KORS17, KL00, Kum23, KP18, LL04, LSY24, LLS03, LC18, LMRV23a, LMRV23b, LGC+20, LZ20b, LSY22, LFL22, LZL23, LLR24, LZ21, Lic22, LB93, LLC16, LC19, LZCW21, LGN22, LWX19, LL10, LL12b, MR15, MH22, MN16, MSZ06, MC08, MS18, MS99, MS19, MM20, MY17, NBL11, PPH+21, PP97, SW96, SXYY06, SH23, SBMS22, SW98, SvVW22, Svá19, TH24, VW05]. **element** [WY16, WWX18, WHTZ18, WXWL19, WWH21, WLB22, WLPV15, Xie08, XY15, XZ01, XYZ21, YZB20, YS23, YX24a, YL24a, Ye00, YZ21, ZRR23, ZP06, ZZP23, ZSB01a, Zha14, ZPY15, ZT15, ZHY19, ZZC20, ZW23a, ZSHZ15, ZW20, ZW23b, ZW23c, aZWL23]. **element-in-space** [SvVW22]. **Elementary** [Gér19, FH05, Lóp18]. **elements** [AS02, ASS10, AAQ15, Awa13, BKK17, BK24, Bra01, CMM21, FF95, HN18, HS03, HSY16, HY18, HMM21, KST21, LLS94, LLS96, fLL05, LL07a, LPSSP00, MHR21, MTH21, NW22, SL15, SPS18, SH23, SLK20, TH19, YDF97, YLBL12, Ye04, YZ24, dFGAJN18]. **elevation** [PK94]. **elimination** [LQW18, WW12]. **Ellipsoidal** [LLLH23]. **elliptic** [AU20, AC05, ACH10, AHC11, CDP03, Cas07, CWX12, CP15, CH22a, DFR07, DNS21, FK98, FZ12, FYL08, Gia20, GM14, GLX23, GH06, HR01, Hol01, HH19b, Jan98, Khl18, Li05a, LMT01, MTH21, OP11, Per22, Pet02, PSNP11, SXZ06, WHTZ18, WHS18, WQP23, XZ03, Yan01, YZ24, ZZP23, ZB12, Zha14, ZYC19, ZHY19, ZCB21, ZL16]. **elliptic-type** [HH19b]. **embedded** [BR15, Mai20, She09]. **embeddings** [GHdN12]. **empirical** [AAPCC24, CDP09, CHRX06, LP19, MNPR06, Tad19, Yan19]. **end** [PJ20]. **end-to-end** [PJ20]. **Energetic** [ADG17]. **Energy** [ABI15, GWC24, KU18, Ble07, CZ20,

CFC23, EOR18, GZW18, GGRBRG21, HL08, Hes09, KL22, KF19, LSY24, Leo13, LMYL19, LZ22, MWZZ23, MS22, SJJY21, WW19, WZzS21, ZYB18, ZY20]. **Energy-conserving** [ABI15, MWZZ23]. **energy-minimizing** [KF19]. **energy-preserving** [WW19, WZzS21]. **energy-stable** [GGRBRG21]. **Enforcing** [HSV09]. **engineering** [SEE96]. **enhanced** [BFFM24, KKL+22]. **Enhancing** [GGAVGG+19, GJU22]. **enriched** [HT12]. **ensemble** [JY22]. **Entropy** [CDP09, BD18, Mai06]. **environment** [ZGGW12]. **epidemic** [Kim06]. **Equal** [CK03a, Möß10]. **Equal-Norm** [CK03a]. **equality** [Yao19]. **equation** [ADG17, AKS23, ANN22, AR20, AC00, BSK19, BBdD21, Bru23, CLC16, CC22, CBK01, Che02, CFZ21, CJW22, CGHK23, CHS17, CGS93, DFOS23, DD94, DLS14, FZ12, FYL08, dLL19, FKT20, FL23, GT14, Gil17, GM24, GM22, GWC24, yGSlX03, GW14, Han05, HS13, HR02, HY18, HS16, HS20, Jeo98, JM03, JlLZ20, JSW20, JLW20, KU18, KS23, KP95, KL22, KA97, KN14, KNQ16, KP18, Kun01, LRY23, LM14, Li05b, Li08a, Li09, Li10a, LMYL19, LS20, LZ22, LZL23, LQW18, LJ18, LL07b, LWX19, MWZZ23, MGSS22, MS99, MS16, NV10, PM17, PGB15, PTC12, PP23, QZX23, QX21, Ryn00, Sch09, SW96, Spe23, SLK20, Sto17, SXWG22, Tau19, TZ07, TGA96, WL12, WZJ18, WZ19, WSL+19, WWH21, WZzS21, WZ10, Xu14, YZLL24, YXM23, ZT14, ZSB01b, ZHY19, ZHzSR21, ZZL+24, ZW12, dCFCF20]. **equation-based** [FKT20]. **equations** [AL21, AG98, AB02, An20b, AB23, Ang00, APV14, ACPV21, ANGV19, ACH10, AHC11, Awa15, Bai99, BNP14, BP93, BPW95, BCZ23, ByLl01, BF11, BV24, BK16, Boc04, Bra01, Bre95, BFCIV22, CDP03, CR23, CCG10, CJX17, CHS21, CMX97, CP99, CWX06, CLL08, CLZW13, CS19, CLCH19, CZ20, CtTB21, CS94, ÇY23, CLM18b, CLM18a, CN96, Cum96, CT17b, DFR07, DM93, DPS93, DX20, DM19a, DM19b, DKK22, DS01, DKMT20, DNS21, DL23, DX10, EOR18, ESTW19, ER99, FH05, Fas99b, FMP22, FR10, dLL19, FZLZ21, GS18, GAN20, GRV22, GH99, GLO10, GH18, GHJZ23, Gu17, Gu19, GH08, GQ22, yGS08, yGqW09, GW21, Gut21, Han06, HBMY14, HMX22, Hau97, HL06, HWZ22, HKR21, HQR23, HK21, HBM03, HS08, HCYY20, HSY16, HY18, HH19b, Hua06, HZHL12, HW19a, HJYZ23, Jan98, JJLR14]. **equations** [JSSE97, JLZ08, JY22, JK08, JRS15, KNP98, KY01, KKP19, KL17, KHM16, KC16, Kum23, LP21, LD22, LN14, Lee03, Li04, Li08b, LC09, LC13, LD16, LCC19, LZ20a, LZY98, LMV11, Liu99, LHY08, LY08, LLC16, LC19, LGN22, LWWZ22, LK20, LLY12, Lut04, MS22, Mai20, MN16, MS18, MXO13, MG19, MMNM23, MY17, MS98, Nai12, O'N18a, Pen98, Pet02, Pla12, PS98, PF23, Qiu23, RZ98, She13, SY19, SS15, SZJ21, SvVW22, Sun14, TH19, gTpM02, TQ17, TTC21, TSZ98, VW02, VNS18, lWyG06, WY16, WY17, WW19, Wan19, WMW21, WLW23, WK20, WQP23, XH13, Xie08, XY20, XZ03, YTL+20, YL24a, YZ13, YZ21, YZ24, ZVW95, Zen19, ZL24, ZV08, ZT15, ZYB18, ZCL20, ZJZ21, ZGV22, ZD14, ZCY20, ZQS22, ZhXpZ16, ZWZ19, dH94, dFGAJN18, vdHv97]. **equilibria** [dCFCF20]. **equilibrium** [AKKN22, BSSM22, sCLC13, HQHV20, HMQ22, HH19a, KS23]. **Equivalence** [SC08]. **equivariant** [Kni24]. **Erasures** [CK03a, AS24]. **erasures-a** [AS24]. **ergodic** [ZXC12]. **ERM** [ZXC12]. **Errata** [Ano04c, Ano08]. **Erratum** [Ano16, CLM18b, Dũn12, Fus08a]. **Error** [Alz10, Ang00, Ano01b, BFFM24, CCG10, CDM+24, Dav23, DM22, DMS22, GAN20, GRB12, yGW07, KF03, LB93, Per22, Sch95,

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[LLZ10, fLL05, Xie08, BRZ94, CL07, HZHL12, JLZ08, RZ98, Sid17]. **Extremal** [SW04].

**factor** [Han98]. **factorisation** [Gér19]. **Factorization** [CCS16, AH96, GKS19, GMRS97, Sau06]. **factorized** [NBL11]. **factors** [MN15]. **fairness** [GU02, KP04]. **false** [Kle21]. **Families** [MH17, CL02, Gro13, Led15]. **family** [DLUS17, KST21, Wat94, Xu98]. **Fan** [Hof06]. **far** [SFDE15]. **Fast** [AZW15, BCM99, GS19b, HPS19, IP15, KXL24, Khl18, KP98, KCCV23, KN14, MB20, MFB+11, Par22, AC00, BMB14, BA15, Bra01, Cai02, CJX17, Che02, CLL08, DPS93, DX20, DHSW19, DES21, DLK12, GG16, Gut21, Han05, JZ10, Joh13, KS23, LD22, LT98, LLY12, QX21, SFDE15, WLB22, YB21, YZ13, ZGV22, SF14, Ste98]. **fast-multipole** [WLB22]. **Fatou** [Cho95]. **FBPINNs** [MMNM23]. **FDM** [ATS19]. **feasibility** [sCLC13]. **feasible** [ZLPX23]. **feature** [AAPCC24, MSW+22]. **Feedback** [AHS20, AKS23, KP18]. **feedforward** [Mha93]. **FEM** [ADG17, AMK19, Don19, EEK21, FMP22, MW01, MS98, Per22, SPS18, SY19, Spe23, WBY24, Yan03, ZSB01b]. **FEMs** [GS18]. **Fer** [Ram18]. **ferromagnetic** [APK20]. **FES** [ZRR23]. **FFT** [BZI19, BKP20, DG16]. **FFTs** [HKR04, Nes16]. **fidelity** [BZ18, GDB24]. **field** [BK24, BKM+21, DD94, GHKL18, LMYL19, LGC+20, LS20, MSW+22, QZX23, SFDE15, ZY20]. **fields** [BH02, GG16, LW23, Sor18, TS05]. **Filon** [XHC15]. **filter** [CMX07, CW09, EGL13, Jia09b, TL18]. **filtering** [MP23]. **filters** [CL02, Jia09b, MWW13, dVR19]. **financial** [ALZ02]. **Finding** [NZ22, Yao16, Yao19]. **Fine** [JN18]. **Finite** [BF03, CG17, EHS02, FKT+19, JK08, KP18, LMWX13, MMNM23, NBL11, VW05, AK01, ARPR01, AB11, APV14, AL97, AAQ15, BNP14, BDYY20, BBdD21, BDFS19, BKK17, BK24, BEPS96, BK96, Bra01, CL12, CDP03, CLLS06, CCG10, CZZ17, CMP23, CBK01, CCN+16, CLZ02, Che06, CLL08, CWX12, CGH+13, CLZW13, CLCH19, CFZ21, CEHK18, CKW10, CLR19, CLM18b, CLM18a, CH22a, Dav23, DHWZ18, DY01, DLZ16, EBS22, FF95, FWW06, FYL08, FZLZ21, GQL24, GAN20, GMM09, GK19, GLX23, GH18, Grö03, GQ22, HMX22, HZZ20, Hem95, Hem96, HR01, HW18, HCYY20, HL21, HCH20, HX02, HL20, HS20, HZZZ24, JS21, Jan98, JLZ08, JRS15, KY01, KST21, KS18, KORS17, KH05, KL00, KHM16, Kum23, LLS94, LLS96, LSY24, LLS03, LC18, Leo13, LC09, LC13, LGC+20, LZ20b, LSY22, LZL23, LLR24, LZ21]. **finite** [Lic22, LL07a, LB93, LLC16, LZCW21, LGN22, LPSSP00, LWX19, LL10, LL12b, MR15, MN16, MSZ06, MC08, MY17, MTH21, NV10, Noe95, PSW24, PL05, PP97, PP23, SL15, SW96, SXYY06, SRFH12, SvVW22, SLK20, Sun08, Svá19, TZ05, TH19, TZ07, TH24, WY16, WZL17, WZJ18, WXWL19, Wan22, WLPV15, WQP23, Xie08, XY15, XY20, XZ01, XYZ21, YDF97, YS23, YX24a, YL24a, Ye00, YZ21, YZ24, YXM23, ZRR23, ZST19, ZZP23, ZSB01a, Zha14, ZPY15, ZT15, ZYC19, ZCB21, ZW22, ZW23a, ZD16, ZSHZ15, ZW20, ZW23b, ZW23c, dFGAJN18]. **finite-difference** [JRS15, KY01]. **Finite-element** [NBL11, KS18]. **finite-frequency** [BDYY20]. **finite-part** [WZL17]. **finite-volume** [Hem95, Hem96]. **finite-volume-finite-difference** [CEHK18]. **finitely** [MNW04]. **fire** [ABMM19, FPR+12]. **first** [CLMR10, HR02, HZHL12, LWWZ22, Nai12, Pla12, ZLPX23, Zhu19]. **first-** [LWWZ22]. **first-order** [ZLPX23, Zhu19]. **fitted** [CFC23, KL16, ZL16]. **Fitting** [JF02, BCM99, DZ04, DSS09, ECS18, MJM23, RW21, WK93]. **Fix** [GW17, WL05].

**Fixed** [CZS16, LSXZ15, MHR21]. **fixed-point** [LSXZ15, MHR21]. **flat** [KS20, SRFH12]. **flatness** [GL17]. **Flexible** [HL05, MC23]. **flights** [ZD17]. **Flory** [ZY20]. **flow** [ACM+22, ATS19, BDFS19, BSSM22, CLL08, CT17a, DHWZ18, dLL19, GHKL18, HFH15, HJYZ23, KS18, KH05, KCCV23, KESR22, LG13, Nit22, WBGG22, lXyG02, Ye04, ZPY15, ZGV22]. **flows** [BBB+16, CD15, Don20, FZ19, GHLU19, GJMY19, KBL22, KMMI19, KvL95, PIZ01, PCM+96, PJ20, RHZ17, SBZR19, TL18, Tha19, TH24, ZS24, aZWL23]. **fluctuations** [KK20]. **fluid** [AMK19, KMMI19, PJ20]. **fluids** [BDFS19, DGMM16, KRP19, SJJY21]. **flux** [CtTB21, DLZ16, LK20]. **focal** [PW08]. **focusing** [LRY23]. **Fokker** [WSL+19]. **fold** [Jia11]. **FOM** [Cul96]. **forced** [FKT20]. **Foreword** [Buh99, HN96, How96]. **form** [AM14, CCLM21, FGS16, Hub12, Khl18, LL99, LKW17, Rei93]. **Formal** [Sal98]. **format** [SSK24]. **formed** [Mai06, SEE96]. **forming** [RTV21]. **forms** [GGW24, Loh23, Mar95, SM00, ZRR23]. **formula** [CG15, Fra99, SS13]. **formulae** [CG04, GS10, MC10, Xu98, Xu00]. **formulas** [BB07, FXZ96, Jeo98, SX07, Wal95]. **formulation** [BKM+21, CL18, DGMM16, HJH12, Lep23, MS16, Par20, RS19]. **formulations** [TW98]. **Fortran** [Kir98]. **FOSLS** [RS19]. **four** [GMS12, NSS04]. **four-directional** [NSS04]. **four-point** [GMS12]. **Fourier** [SF14, Ste98, BZI19, CGW13, FQ10, JSW20, LS20, LL21, LL07b, LP14, QW11, SL05, SS13, TZ03, YX24b, YCQZ24, ZL21]. **Fourier-spectral** [LS20, ZL21]. **fourth** [CFZ21, DNS21, HWZ22, ILHH22, Li05a, LCC19, MS19, WHTZ18, WZzS21, ZZC20, ZW22]. **fourth-order** [CFZ21, DNS21, FZLZ21, HWZ22, ILHH22, Li05a, LCC19, MS19, WZzS21, ZZC20, ZW22]. **Fractional** [MP18, AMK19, BlH23, CC22, CDM+24, DKMT20, FZLZ21, GM17, Gu20, GW21, HB24, HX17, HS20, JS21, JlLZ20, JLW20, KM19, KS17, LD16, LJ18, LZCW21, LWW21, LBCZ18, MS18, MNC16, PM17, PF23, QX21, Ryd19, Sou22, SU12, TDG16, WZ19, WLW23, YCQZ24, YZLL24, YXM23, ZJZ21, ZHzSR21, ZD14, ZD16, ZW12, ZW23b, ZW23c]. **fractional-order** [Ryd19]. **Fractional-step** [MP18]. **fractional-time** [BlH23]. **Frame** [AS21, CR08, MRS18, BlH23, BMRS20, CP14, CGG+20, DFR07, JAA22, Jia09b, KKL03, LL11, LS18, MR10, MRS14, PŠWX03, PWL20]. **framelet** [CCSS09]. **framelets** [Lem09]. **Frames** [BCHL03, BC20, BF03, CK03a, CC03, GH03, HM03, HLT11, Jia03, Sun08, AS24, BS06, BH15, BLP19, CL12, CCH+11, CK07, CCN+16, CKK16, CJKK18, CGKK21, Chr15, CSS98, CHSS03, DST04, DM15, Far10, FGG+17, FM18, FS07, FOW14, FWW06, Füh08, Grö03, JJK13, LPY10, LMO14, LH13, LA22, LL13, MNPW00, NS21, Onc14, ON18b, PR19, Søn07, Zha05, CS03]. **framework** [AM24, ABC14, BFFM24, BFCIV22, CL22, DAP13, GZA20, Par20, Pra23, WZtX16, ZRR23]. **Franklin** [NP18]. **Fredholm** [DM19b, FR10]. **Free** [KL04, PCM+96, BGT20, CG17, DAP13, JW95, KL22, Kum23, KF19, LAG+24, LLS03, LR19, Ock96, Urb95, WWH21, YZ21, ZY20, ZZL+24, ZL16]. **Free-knot** [KL04]. **freedom** [Loh23, ZRR23]. **Freeknot** [KL07]. **frequency** [BDYY20, GG06, KCW17, KL19, LA22, LHY08, MGSS22, Onc14, RST+14, SF14]. **frequency-concentrated** [GG06]. **friction** [DKK22, Don20, HKRS14, XKY15]. **Friedman** [NP18]. **Friedrichs** [BDM20]. **Froissart** [BC99]. **Full** [DS01, Fou23, ASS10, Spe23, Tyg23]. **full-space** [Spe23]. **fully** [CHS21, GAN20, HS20, LWL17, VNS18, Wan19]. **Function** [HM03, Alz10, AM14, Boc04, BEG22, BCZ05, CTZ02, CH22b, CGH+96, DSW05,

EH24, EGST13, ER21, FF05, GR19, IB17, JW95, Kot08, KSUW23, LP19, LW14, LLY06, LL99, LT13, Mac94, Mai10, MNW99, MP00, NG99, Rip99, SMK22, Sch95]. **functional** [Gat21, Liu99, RLGGAV19, SSK24, Sun14, ZD17]. **functional-differential** [Liu99]. **functionals** [MR10, SM00, Tad19]. **Functions** [Zoz15b, BCM99, Bei23, BGH15, BGW24, Bes03, BMB14, BZI19, BRR18, Bre19, BDM20, BW15, Cai02, Car95, Cas07, CP03, CX04, CSW14, CL16, CTZ02, CG10, CJKK18, Chr15, CSW96, De 06, DG16, DLU19, DX10, DGS18, Fas99a, Fas99b, FPR+12, FHN94, FS98, Füh08, FW15, GP13, GHdN12, GG06, GGL07, GJU22, Gro13, GH16, GS10, yGSlX03, GYZ17, Han98, Hub12, HJ23, JS99, Jüt98, KKLY10, KL04, KL07, KR19, Le 05, LST11, LM14, Len96, Li04, Li05a, LK05, LWL17, LWW21, Lóp18, Low05, LP14, MM00, MZ22, MST05, MNW04, MS04, NP18, NSW16, PŠWX03, PRS24, Pet00, Pin04, PT21, RZ10, RS99, RY13, Sau06, SW06, Sch11a, SS08, SRFH12, Sto96, SM99, SYCJ18, TZ05, War13, WH07, Wen95, WK20, Wu95, WFL02, WZtX16, Xu98, YX24b, Zoz15a]. **fundamental** [AC05, Ant18, FK98, LL98, Li05b, Li08a, Li08b, SB22, WZ10]. **fundamentals** [HCF+21]. **furnaces** [BGMS07, BGG24]. **fusion** [CCH+11, CP14, HB24, LH13]. **fuzzy** [DLK12, Tal19].

**G** [DDP14]. **G-symplectic** [DDP14]. **Gabor** [CL12, CC03, CKK12, CJKK18, CGKK21, Chr15, DM15, FS07, FGO14, Füh08, JJK13, LL13, LL11, LW03, ON18b, RST+14, Søn07]. **Galerkin** [AMK19, AU20, AK15, AS05, BN19, BQRB13, BDFS19, BDM20, CMX97, CMX02, CP15, CT17a, ÇY23, CHP19, CH22a, Cop98, CCE+12, DHK98, DS01, FLM96, GS18, Gia20, Gom95, HL06, Hua06, JL19, KNP98, KF03, Kum23, LN14, LC20, Lep23, LZ20b, LLC16, LGN22, OBS15, Ryn00, SXZ06, SH23, VNS18, WY16, WY17, WXWL19, WaZL24, WY20, YS23, Yan19, ZZP23, ZB12]. **Galerkin-characteristic** [CCE+12]. **Galerkin-mixed** [GS18]. **Game** [AVGGEG+19]. **gamma** [GR19]. **Gasca** [CP07a]. **Gauss** [Dou94, yGqW09, LT13, MWZZ23, SC08, WZL17]. **Gaussian** [CC94, CSW14, KS20, MC10, RS99, SX07, SHTS14]. **Gaussians** [Xia13, YZ08]. **GC** [CG19]. **Gegenbauer** [ESM13, WZ20a]. **gene** [CGDHRÁ+19]. **general** [AN20a, Alb15, ABC14, BB24, BCZ05, BRZ94, CH22b, FHK06, Gut21, HL16a, HL18, Han06, HKR21, Kos15, LS19, RL07]. **generalisation** [SU22]. **Generalised** [HJ23, CtTB21]. **Generalization** [NG99, ZXC12, CGP95, CK07, CKBP11, JS95, MNPR06, 'Sw19]. **Generalized** [BRS13, CdGDN20, Dar03, SL05, WL05, gYyG12, Zoz15b, AB11, AKKN22, BR23, CLC16, CG15, sCLC13, CHL17, DP06, GW17, GP13, Gat21, GRB12, GH99, GW14, IS13, KRP19, fLLfDX21, LWL17, MC23, MN00, Pen98, SF14, ZL20, Zoz15a]. **generalized-functions** [Zoz15a]. **generally** [Gon93]. **generated** [CG06, Chr15, CSW96, JS99]. **generating** [CK07, NSS04]. **Generation** [FWW06, KF19, SR02, CGR11, Cop98, RLGGAV19]. **Generators** [Jia03]. **Gennes** [ZY20]. **geodesic** [BMK15, SLN14]. **geodesics** [NZ22, SLN14]. **Geometric** [GPG15, HNN23, Mai10, MO16, PFMS05, BS06, BI11, BWX97, FH05, JKK+12, Kni24, LM04, Leo02, LO08, MS18, RW21, Wan19, ZLPX23]. **Geometrical** [Ano02d]. **geometrically** [ZXC12]. **geometries** [GJW20]. **geometry** [BZA24a, BZA24b, BBF+24, FÁG19, Fin19, NS21, PW08, PGM09, PGB10, RAB+09]. **geothermal** [GQL24]. **Gersgorin** [Hof06, CKBP11]. **Gibbs** [RY13]. **Ginzburg** [GS18, HX02, LL07b, ZHzSR21]. **given**

[BSK19, NZ22]. **Givens** [CM99]. **Global** [Kim06, KP18, LSW17, Len94, Yao19]. **globally** [BF94, LWZ19]. **GMRES** [BCM99, Cul96, MGSS22, MS98, Smo07, WLB22, dH94, dCB07]. **GMRES/FOM** [Cul96]. **good** [Rip99, Sch11b, WS01]. **Gordon** [LZ22, GW14, WZJ18]. **Gordon-Schrödinger** [WZJ18]. **GPU** [ZBT+22]. **grad** [JJLR14, dFGAJN18]. **graded** [CDM+24, QX21]. **Gradient** [DY01, BMK15, DSS09, DDLL23, HJYZ23, Par22, TTC21, Wan12, Yan01, Yan03, YTL+20, Zha01, ZS21]. **gradients** [YWC12]. **Graduated** [BCE+09]. **Gram** [CK07]. **Gramian** [BH19, Ryd19]. **graph** [DGMES13, DT12, LN19, MSL21]. **graphs** [KK02]. **Grassmann** [BZA24a, BZA24b, ZS21]. **grating** [BBR02, LN14, Wan22]. **Greedy** [GN01, Tem01, Tem07, TYY11, CDPS22, DT96, GN08, LT06, LT12, Pra23, QW11, Tem98, Tem00, Tem02]. **green** [FY13, Cai02]. **Gregory** [Ano93]. **Greville** [CHY11]. **grid** [BNP14, BMK15, Che06, CLCH19, CH22a, CH22b, DG16, Hem95, HCYY20, HCH20, KS18, KHM16, MR15, PGB15, XZ01, ZZP23, ZTHW22, Hem96]. **grids** [ANSZ17, BNR00, FF05, Hag98, KXZ04, LQ14, Noe95, Pla00, PS05, SXYY06, Ste98, WWX18, Wie97, Zha01]. **Gross** [LZ20a]. **Grossman** [JMO00]. **groups** [MP23]. **growth** [RH15, RS99, RMCCG+19, ZST19]. **Grünwald** [CC22]. **Guaranteed** [HFH+07]. **guarantees** [HD20, Kac18]. **Gudkov** [Hof06]. **guesses** [CV23]. **Guest** [Ano95]. **guided** [BPJ02]. **Gupta** [Ock96].

**H** [WZJ18, WY17]. **H2Opus** [ZBT+22]. **Haar** [ZhXpZ16]. **habil** [Sil99]. **Hadamard** [WZL17]. **Half** [YF23, GG16, Li94, LWL17, lWyG06, gYyG12]. **half-plane** [Li94]. **Half-quadratic** [YF23]. **half-space** [GG16]. **halfband** [MWW13]. **Hamilton** [TQ17]. **Hamiltonian** [AMM20, ABI15, CCDL20, DDP14, HBH24, JM00, Mar94, MO16]. **Hammerstein** [KNP98]. **hand** [FR10]. **handbook** [BZA24a, BZA24b]. **Hankel** [AM14, BW20, Li94]. **Hankel-norm** [BW20]. **Hanrahan** [Han05]. **hardening** [GN13]. **Hardy** [CS06, HN18]. **harmonic** [CCP22, FMP22, HS13, HY18, KP98, LHY08, LWX19, Sch09, WWX18, WZtX16, Xu04a, YX24a]. **harmonics** [FM14]. **HCT** [LLS94]. **HDG** [LC21, MNC16]. **heat** [BDMR10, Bru23, CN96, FKT20, HT11, HXC10, JGW15, LM14, LK20, MS16, PCM+96, Tau19, TGA96, WG19]. **heat-conduction** [CN96]. **heating** [BGMS07]. **Heaviside** [RY13]. **Hele** [LYF+21, ZL21]. **helical** [Mon09]. **Helix** [PW94]. **Helmholtz** [BNPP20, CHP19, DRS08, DLS14, GMM09, GPS21, HH15, HJH12, HY18, Kir98, Li08b, Li09, MGSS22, Spe23, Sto17]. **hemivariational** [Yao16]. **Hermite** [ABD08, ABY13, BCHS22, CCMM21, CCS16, CMSS23, DM99, EH24, ECS18, FaKS02, Fas99a, Fra99, Füh08, yGSlX03, Hak00, HNN23, JL06, KJ09, Luo99, MST05, MS12, Moo17, PFMS05, RW21, RSA14, SX95, TQ17]. **Hermitian** [WMY13, WMB13]. **Hessenberg** [EGST13]. **Hessian** [DNS21]. **Heston** [Zhe23]. **heterogeneous** [NW22, TS05]. **Heuristic** [MN15, DGMES13]. **Hexagonal** [Jia09b]. **hidden** [CLM96b]. **Hierarchical** [Spe17, AU20, BCC22, HORU19, Han05, SO20]. **High** [BNR00, CEHK18, Gat21, HBMY14, IRT23, LD16, LZ22, NP18, Nov00, SLK20, TH19, ZD16, ZZ09, AU20, Bei23, CLM03, CCK20, CC24, EH24, ESTW19, GL23, GM22, GDB24, Han10, HZZ20, HKR04, HS03, JMO00, Jia09b, JN18, LL12a, LWX19, MS04, NKL+19, PW24, Ram18, TL18, TTC21, WZJ18, ZJ23, ZZL+24, Yem22]. **high-dimensional** [AU20, CCK20, EH24, ESTW19, PW24].

**high-fidelity** [GDB24]. **High-order** [CEHK18, HBMY14, IRT23, LZ22, SLK20, GL23, GM22, HZZ20, HKR04, JN18, NKL+19, Ram18, TTC21, ZJ23, ZZL+24, Yem22]. **high-pass** [Jia09b]. **High-precision** [NP18]. **High-resolution** [Gat21]. **Higher** [CWX12, Fin19, MRS03, ACK19a, ACK19b, CDP03, Füh16, GW17, KL16, Mat09, Noe95, OBS15, WOBL17, Wie97]. **Higher-order** [CWX12, MRS03, GW17]. **highest** [ZD18]. **highly** [DGMES13, KXL24, XHC15]. **Hilbert** [BMB14, BMP+19, Chr15, Dam07, HT11, MXY13, RY16, SM99, Yao16, vdMNS03]. **Hilliard** [CZ20, LYF+21, WaZL24, ZL21, LGC+20, SXWG22, ZY20, ZZL+24]. **Hilliard-Darcy** [WaZL24]. **histogram** [CP07b]. **Hodograph** [RM19, AF96, FS94, FaKS02, FGS16, JKK+12, KJ09, PFMS05, Pot95, RSA14]. **Hölder** [AAFV19]. **holonomic** [WOBL17]. **homoclinic** [CS93]. **homogeneous** [AK01, BC99, CHP19, DST04, DMBH24, GJMY19, Jia09a, Kni24, LR07, ZGGW12, ZN18, ZS24]. **homogenized** [Str95]. **homological** [PR15]. **homology** [PR15]. **Homotopy** [PM17, AF96, Tim21]. **Hood** [fLL05]. **Hopf** [CGS93, ER99, Far10]. **hot** [Kle21]. **Householder** [FWW06]. **hp}** [CMM21, CHP19, CH22a, GW21, Spe23, WY20]. **hp}-FEM** [Spe23]. **hp}-Version** [CHP19, CH22a, GW21, WY20]. **HT** [AU20]. **HT-AWGM** [AU20]. **Huggins** [ZY20]. **Hunting** [CS93]. **Huygens** [IKS10]. **Hybrid** [CM96, LQ14, WG19, Yem22, ACPV21, BPJ02, CCNT21, sCLC13, CEHK18, HQHV20, LZ20b, Per22, PR19, Zen19, ZYC19]. **hybrid-mixed** [ACPV21]. **hybrid-variable** [Zen19]. **hybridizable** [LC20]. **hydrodynamic** [GZW18, NKL+19]. **Hyper** [DM19a, AZW15]. **Hyper-reduced** [DM19a]. **hyper-reduction** [AZW15]. **Hyperbolic** [Len96, CLM18b, CLM18a, CKM99, DLU19, KK05, KF03, MV01, ZQ13]. **hypercube** [WZ20a]. **hypergeometric** [CDTV99, DGS18, LT13, NP18]. **hyperinterpolation** [Li08b]. **hypersingular** [DLS14, HWZ13, MS99].

**ideal** [She08]. **idealized** [Jia09b]. **ideals** [MS04, Xu00]. **identical** [XP10]. **identification** [BH23, BJX09, CJW22, FYL08, GZA20, SJJL15, Tan17]. **identity** [GMB97, TSY10]. **II** [BN21, CMX97, DPS93, HL06, Hof06, MPS97, SS13, ZTHW22, zCFX07]. **ill** [Ant18, BL09, BE00, LLY12, XY12]. **ill-posed** [BL09, BE00, LLY12, XY12]. **Image** [LN19, BlH23, BCE+09, CZS16, Del17, DLK12, GLM23, HB24, ILHH22, JZ10, LSXZ15, MSXZ13, RWT13, SX09, Zhu19]. **images** [HMS19, RY16, SF14, ZW19]. **imaging** [BKN11, DGK15, Par20, KMO+14]. **immersed** [CLLS06, CZZ17, CKW10, GPG15]. **immiscible** [BDFS19, SJJY21]. **immobile** [LZCW21]. **impedance** [BR22, HLN12, QC12]. **implementation** [DHO16, Jan98, Svá19, dH94]. **Implicit** [EBS22, Wie15, XKY15, BB07, CLC16, CLM03, EJ97, GH08, GPG15, HBM03, JSW20, JL19, Mui99, Wan23a, Wan23b, vdH93, vdHv97, vdHS00]. **implicit-time** [GPG15]. **implicitly** [FMR00]. **implicitly-defined** [FMR00]. **imply** [Sch23]. **importance** [YL24b]. **imposed** [Awa13]. **improper** [GGAVGG+19]. **Improved** [Fus08a, Fus08b, KL17, FJ99, Sto17]. **Improvement** [BCC22, ZL24]. **imputation** [RF19]. **inclusion** [CGM18]. **inclusions** [nCV13]. **incomplete** [GR19]. **incompressible** [An20b, Ang00, BQRB13, BBB22, CLL08,

DHWZ18, DL23, GHLU19, GJMY19, HQR23, HFH15, KS18, KH05, LHH23, TH24, lXyG02, Ye04, ZVW95, ZS24]. **inconsistent** [Sou22]. **increasing** [CSW14]. **increasingly** [KS20, SRFH12]. **indefinite** [YZ24]. **independence** [Ito96]. **independent** [CTZ02, DS00, DSW05, SB22]. **Index** [Ano02a, Ano02b, Ano03a, Ano03b, Ano04a, Ano04b, Ano00a, Ano01a, Cum96]. **indexing** [dB00]. **indicator** [ZQ13, ZG16]. **indicators** [KLS19, LQ14, SBMS22]. **induced** [CGR13]. **induction** [BGMS07]. **Inequalities** [GG06, Alz10, Bad19, BR07, RZ10]. **inequality** [JRS15, LB93, Yao16, ZLPX23]. **inertial** [AKKN22]. **Inexact** [WLB22]. **inf** [dFGAJN18]. **infiltration** [ZST19]. **infinite** [BD10, Buh06, FF05, HN18, KNV23, NW22, lXyG02, Zhe06]. **infinitely** [RZ10]. **influence** [BS23, CV23, EHV17]. **informed** [DM22, MMNM23]. **inhomogeneous** [LK20]. **initial** [Alb15, CJW22, CV23, Kac18, WY20, vdH93]. **initial-value** [vdH93]. **injectivity** [FK10]. **inkjet** [ALADH+19]. **inner** [Joh13, Pin04]. **innovation** [Sun08]. **input** [BHM18, CP15]. **input-output** [BHM18]. **insertion** [BGM93, KLNS95, Wal95]. **instabilities** [Sch23]. **instability** [KKP24, TBD94]. **integer** [CHSS03, Ryd19]. **integer-order** [Ryd19]. **integrability** [RS01]. **Integral** [KNQ16, AG98, AR20, Boc04, BLV20, CWLH95, CMX97, CP99, Che02, CHS17, Cum96, DX20, Dar03, DD94, DES21, FR10, dLL19, FKT20, GHKL18, Gil17, Gna07, GJMY19, Gu17, Gu19, HBMY14, HKR21, HJH12, HR02, Hua06, HZHL12, HS16, JSSE97, Kir98, KN14, LD22, LN14, LC18, Li09, LZY98, LQW18, LLY12, MS99, Nai12, O'N18a, Pla12, PF23, RZ98, Ryn00, TW98, TSZ98, VC00, VNS18, WL12, WM21, XH13, Xu14, YZ13, ZGV22, ZW23b, ZW23c]. **Integrals** [Zoz15b, CLMR10, CKP13, DL98, DG13, GGAVGG+19, HWZ13, IRT23, MV99, Nit22, NUWZ17, TX19, VC00, WZL17, XHC15, Zoz15a]. **integrand** [ACH21]. **integrate** [FPR+12]. **integrated** [BPJ02]. **Integration** [HW00, DDP14, DL98, ESM13, HW12, KXL24, KR19, MO16, Nov00, NSW16, Pei05, SW04, ZB12]. **integrators** [CCDL20, HPP+19, KL16, KL19, OBS15, WOBL17, WZtX16, ZZL+24, dLdDSM07]. **integro** [Gut21, JS21, JLZ08, QX21, WY17, ZV08]. **integro-differential** [Gut21, JS21, JLZ08, QX21]. **integrodifferential** [Qiu23]. **Interaction** [LRY23]. **interactions** [APK20, SMK22]. **interface** [BK96, CZZ17, CKW10, DLZ16, FZ12, HH19b, KP95, SH23, WHS18, ZL16]. **interface-fitted** [ZL16]. **interfaces** [BK96, ZMQ23]. **Interior** [AL97, Lep23, LWX19, NV10]. **interpolant** [Dũn09, SW08]. **interpolants** [ABC14, ABY13, GMB97, MS07, Rem12, Spe17]. **Interpolating** [CT05, AF96, BL99, CGM01, DL98, GRV22]. **Interpolation** [BLS02, CG06, DG13, GSS22, GY99, Noa02, Pet96, RGB13, dB07, AAPCC24, AFM23, ABD08, AM14, BNR00, BCHS22, BS05, ByLl01, BGW21, BGW24, Buh06, Cal05, CDPS22, Car95, CG04, CS06, CM03, DSW05, DS10, DAP13, DM99, FM21, FaKS02, FGS13, Fas99a, FP99, FE15, FF05, Fra99, GS00, GRB12, GO05, GGW24, Hak00, HL16a, HL18, HQR23, HNN23, JKK+12, JLM19, KJ09, KF19, Kun09, Kva14, LL98, LW04, LM04, Le 00, LLY06, LL99, LR07, LZY98, LL07a, Luo99, LNW02, MS00, NSW98, NZ04, NSZ04, Osw04, PFMS05, RZ10, RS99, Rip99, RSA14, Sau95, SX95, Sch95, Sch11b, SS96, SS15, SRFH12, TBG18, Ven94, WS01, WL05, Xu00, Xu04b, dB00, dB06, vdMNS03, zCFX07]. **interpolation-based** [GGW24]. **interpolation-free** [DAP13]. **interpolative**

[DM23, MB20, VM17]. **interpolators** [Led15]. **Interpolatory** [DHGA23, RGB18, Zhe06, CGR11, CGR13, DG16, DLUS17, JS99, KKLY10, ZA10]. **intersecting** [LD07]. **intersection** [BX94]. **intersections** [HFH+07]. **Intertwining** [Cal05]. **interval** [ČF11, JL06, Jia09a, MS99, PST95, gTpM02]. **intervals** [Kür18, LMV11]. **Introduction** [AX98, Bar94, HAS05, Mar95]. **intrusive** [PJ20]. **invariance** [CL12]. **Invariant** [MT98, BDYY20, CHL17, FaKS02, GU02, HHS04, Mai06, MXZ08, NSW16, Sun10, Wat94, vdMNS03]. **invariants** [DGMES13]. **invasion** [PLRGVR22]. **Inverse** [LAG+24, BDMR10, BR22, CR99, CGM18, CH15, CHY10, HO15, HXC10, IKS10, NT23, QC12, RSZ11, San15, TLG+22, WL12, YZB20]. **inverses** [AFM23, FMP22, KM19, NBL11, SU12]. **Inversion** [SS13, GPT17, Li03, LL12a, SZJ21]. **Inverted** [BKK17, BK24]. **invertible** [JAA22]. **investigation** [JY22, KL22, PSW24]. **investigations** [BZ18]. **involving** [JS21, Sto96, Tom96, nCV13]. **ion** [YTL+20]. **Irrational** [yGS08]. **Irregular** [CC03, CLL08, FS07, Noe95, Pla95, Zha01, ZhXpZ16]. **isochronous** [HHX18a, HHX18b]. **isogeometric** [EEK21, KV21, ZP24]. **isometry** [SL12]. **isomorphism** [DGMES13]. **isospectral** [PIZ01]. **isotropic** [BCE+09, PGM09, RAB+09, ZW19]. **issue** [Ano16, BOP+15, CHY10, XY12]. **Issues** [BPW95, Cai02]. **iterated** [BS97b, BS97a, BS00, CTZ02]. **iterates** [CCK20]. **Iteration** [An20b, BCM99, MSW+22, RSZ11]. **iterations** [MGSS22, WLB22]. **Iterative** [Cul96, ZZP23, ZCY20, BBB+16, FP99, GO95, HPS19, IKS10, LNW02, WW12, WMY13, ZT14, ZY20, ZQS22, dH94, dCB07]. **Jacobi** [ByLl01, CR99, DHO16, TQ17, gYyG12]. **Jacobi-type** [DHO16]. **Jacobian** [ZD14]. **Jacobian-predictor** [ZD14]. **Janus** [KCCV23]. **John** [Ano93, How96, New96]. **joining** [NZ22]. **Joint** [CCMM21, FRT09, Möß10]. **Jordan** [CdGDN20]. **Julia** [Cho95]. **jump** [ZhXpZ16]. **junction** [WHS18]. **Justen** [HR13].

**Kaczmarz** [JWJ23]. **Kantorovich** [BR07]. **Kármán** [DNS21, MN16, Mur08]. **KdV** [XY20]. **Kelvin** [BNP14]. **Kernel** [YB21, BMP+19, BJX09, DS10, DL04, EH24, FY13, FaKT22, Gna07, HH15, HS08, HT11, HJJV97, JSSE97, JGW15, KNP98, PS23, RY16, SMK22, SS16, SB22, Xu14, YZ13, vdMNS03]. **kernel-based** [DS10, SS16]. **kernel-independent** [SB22]. **kernel-split** [FaKT22, HH15]. **kernels** [AL21, BRS13, BRSV15, CMP21, Cop98, DX20, FM21, FJ99, FY13, GW17, Gut21, HS13, KS20, LMWX13, LS05, Opf06, Qiu23, SW06, Sch09, SHTS14, ZJ06]. **Kerr** [CGHK23]. **Kerr-type** [CGHK23]. **kind** [Bad19, CMX97, CP99, CHS17, DM19b, HR02, HZHL12, HS16, LL04, Nai12, O'N18a, Pla12, TW98]. **Kinematic** [SR02]. **Kirchhoff** [MM20]. **Klein** [GW14, LZ22, WZJ18]. **Knopoff** [XKY15]. **Knot** [BGM93, KLNS95, KL04, LY07, Wal95]. **knots** [Plo95, Str95]. **Kohn** [CGH+13, GP14]. **Kolmogorov** [DM22, UG19]. **Korobov** [MZ22]. **Korteweg** [dLL19]. **Kozakiewicz** [BS23]. **Krylov** [BR23, ZVW95]. **KSR** [BF94]. **KSR-1** [BF94]. **Kumaraswamy** [And20]. **Kutta** [CSWP99, SLT21, BP93, Boc23, BS97b, BS97a, BS00, CHMR97, CLM03, CMR07, CLMR10, CLMR15, Hal95, JMO00, Liu99, Mui99, vdHdS97, vdHS00]. **Kutta-collocation** [Liu99].

**L1** [MSXZ13]. **L1/TV** [MSXZ13]. **labels** [ALADH+19]. **lacunary** [Ven94]. **lag** [BP93]. **lagging** [MG19]. **Lagrange** [Cal05, CG04, Hu07, Kun95, LL98, NZ04, NSZ04, WLW16]. **Lagrangian** [BBF+24, TH24, XWL13]. **Laguerre** [DGS18, yGjW10, LWL17, PGM09, PGB10, lWyG06, lXyG02]. **Lambert** [CGH+96, IB17]. **laminar** [ZCL20]. **Landau** [GS18, HX02, LL07b, ZHzSR21]. **Laplace** [BBdD21, BW15, HS13, KP95, KN14, LM14, LL12a, O'N18a, PTC12, Sch09, WZ10]. **Laplacian** [BJMR24, CDM+24, Jon17, KM19, LN19, LBCZ18, RF19, SU12, TDG16, ZW23b, ZW23c]. **Laplacians** [CW16]. **Large** [HSSS18, AMM20, BF11, BW20, JWJ23, KESR22, Kür18, LY21, SI15, Sch23, SFDE15, SB22, ZPY15, ZY20]. **large-scale** [AMM20, BF11, BW20, JWJ23, KESR22]. **laser** [GN13, NKL+19]. **Latin** [FÁG19]. **lattice** [FGO14, GH99, NSW16]. **Lattices** [CC03, CG06, GIKV21]. **Laurent** [GMRS97, Lev99, MS04]. **Lauricella** [BW15, TZ05]. **law** [CFC23, JS21, KP18]. **laws** [KK05, MV01, XKY15, Yan19, ZQ13]. **Lax** [GLS15]. **layer** [BST24, CLM96b, FaKT22, GJW20, IMS99, NT23, ST23, SB22, WG19, ZCL20, aKT17]. **layered** [Cai02, Wat96]. **layers** [Kno09, LZZ09, ZL17]. **Learning** [CMP21, GS13, MNPR06, XP10, YZ08, YWC12, BFFM24, ESTW19, GZ13, GYZ17, GS19b, KKL+22, Kni24, LMWX13, LS05, PJ20, RZ10, SW06, YZ23]. **learning-based** [KKL+22]. **Least** [BNPP20, FHN94, JF02, WK93, CHY11, Dav23, LK05, Pla00, Sto96, SW10, Tom96, ZPR03]. **Least-Squares** [BNPP20, JF02, LK05, Sto96]. **Lebesgue** [Las16]. **Leer** [CT17b, TTC21]. **Leer-type** [CT17b, TTC21]. **Leffler** [GP13]. **Left** [SU12, ZN18]. **Left-inverses** [SU12]. **leg** [Wan19]. **Legendre** [yGqW09, yGjW10, GW21, HKR04, LWW21, gTpM02, lXyG02]. **lemma** [HHS04]. **Letnikov** [CC22]. **level** [BDFS19, Bre95, DMMS11, HL06, HT12]. **level-set** [BDFS19]. **Levenberg** [AAFV19]. **Lévy** [DX20, WSL+19]. **Lévy-driven** [DX20]. **Lie** [Kni24, ZN18]. **life** [FRT09, AVGGEG+19]. **like** [BCHS22, GRV22, ZT14]. **likelihood** [BL09, ZP19]. **Limitations** [CLM96b, KKP24]. **Limited** [BR23, Kür18, YX24b]. **limiting** [EBS22]. **line** [Dam07, GP13, LWL17, MV99, NUWZ17, VC00, lWyG06, gYyG12]. **Linear** [GPS10, GZW18, HL96, HJYZ23, TLG+22, Zen19, AH96, ABY13, Bai99, BN19, BN21, BCV23, BKN11, BCS19, BDYY20, BP11, BD21a, BD21b, BDM20, BKM+21, Cas07, CC24, CJ07, CD15, CFZ21, CL18, DM19b, DNS21, DL23, Dũn09, FL23, GLX23, GPAF18, GJU22, GKS21, Han10, HZZZ24, Ito96, JWJ23, KA97, KL17, KvD01, LP21, LLS03, LY07, LLR24, LMV11, LY08, MC08, MPS96, MPS97, MO16, MV01, MS16, NT23, PGM09, PP97, Sch15, SXWG22, TZL16, UG19, VK96, WMB13, WZJ18, WW19, WMW21, Wil98, ZJZ21, dH94, dCB07, vdHdS97, GJU22]. **linear-constant** [LY08]. **linear-phase** [Han10]. **Linear/Ridge** [GJU22]. **linearization** [BR22, HX02]. **linearized** [GS18, HWZ22, LGN22, YS23, ZYB18]. **linearizing** [XWL13]. **Linearly** [SW06, CTZ02, DS00, JSW20]. **lines** [BEG17, HV19b]. **link** [Len94]. **Liouville** [GM17, KS17, LS19, Ram18]. **Lippmann** [Che02, GM22]. **Lipschitz** [GH16, LWZ19, Wan23a, Wan23b, ZL24]. **liquid** [HY14, SJJY21, Zhu15, aZWL23]. **Live** [BCV23]. **Ljusternik** [Yao19]. **LLT** [zCpST09]. **load** [BCV23]. **loads** [FE15, GM14]. **Local** [AAFV19, ANSZ17, DHWZ18, FGS16, HZZ20, KK05, Mat09, Sun10, XZ01, YX24b, ACK19a, ACK19b, ARPR01, AZW15, ABC14, APV14, AS05, BCE+09, CFC23, DL98, DZ04, GY00, Han12, HHS04, HT12,

HSV09, HY18, Kac18, KK20, LSW17, Len94, LFL22, LWY06, MSZ06, MRS18, MJM23, Spe17, SZ09, ZBT+22]. **Localization** [CP03, Lem09, MSST14]. **localizations** [Kos15]. **Localized** [Grö03, Sun14, PS23, Rau05, RST+14]. **Locally** [DS00, CTZ02, GH16, KC16, ZGV22]. **locations** [DSW05]. **locking** [LLS03]. **locking-free** [LLS03]. **Loewner** [GZA20, Pra23]. **logarithmic** [JSSE97, KNP98]. **logarithmic-kernel** [JSSE97]. **logic** [Tal19]. **Long** [WW19, APK20, LL07b, Xu14]. **long-range** [APK20]. **Long-time** [WW19, LL07b]. **loop** [GQL24]. **Lorentz** [DKB99]. **loss** [GYZ17, PRS24]. **Lotka** [SC08]. **Low** [BD18, AAPCC24, AL21, AL97, BGT20, BH15, CLMR15, DDLL23, GS20, GKS21, HZZZ24, KvL95, LHY08, SMK22]. **low-frequency** [LHY08]. **low-order** [HZZZ24]. **low-rank** [AL21, BGT20, DDLL23, GS20, GKS21, SMK22]. **low-redundancy** [BH15]. **low-subsonic** [KvL95]. **lower** [Mai05]. **lowest** [SPS18, ZT15]. **lumped** [BGG24]. **Lyapunov** [LMV11, Pen98].

**machine** [ESTW19, KKL+22, RZ10, SW06]. **Machines** [EPP00, CX06]. **macro** [AS02, ASS10, LL04]. **macro-element** [LL04]. **macro-elements** [AS02, ASS10]. **macroscopic** [WBGG22]. **magnetic** [HPP+19, HW19a, LW23]. **magnetisation** [APK18]. **magnetization** [AMPT22]. **magnetohydrodynamic** [DMS22, RHZ17]. **magnetohydrodynamics** [GDMS21]. **magnetostatic** [CJ24]. **Magnus** [ALDHHZ+19]. **MALDI** [KMO+14]. **manifold** [BZA24a, BZA24b, CMSS23, HQR23, Mai10]. **manifold-valued** [CMSS23]. **manifolds** [Dav23, GH16, Hol01, HW19b, LR07, Mai06, Moo17, Noa14, YZ08, ZS21]. **Manning** [Don20]. **many** [MNW04]. **map** [Far10, San15, WL12]. **mapping** [CWLH95, EGST13, TB16]. **mappings** [FK10, NRR+22]. **maps** [BNPP20, FPT06, GMBS23, HMS19, HR17]. **marching** [Awa15, DD94, DHSW19]. **Mariano** [CP07a]. **market** [ALZ02]. **Markov** [DMMS11, PM19, ZXC12]. **Marquardt** [AAFV19]. **Maruyama** [ZL24]. **masked** [LL21]. **Masks** [Jia03, CZ19, De 06, Gon93, Han10, LP10, Zhe06]. **Mass** [LR19, MWZZ23, LLLH23, WBY24]. **Mass-** [MWZZ23]. **massive** [CC24]. **matched** [LZZ09]. **Matching** [QWS24]. **Material** [XB05]. **materials** [APK20, HXC10]. **Matérn** [BRS13]. **Math.** [Fus08a, Hem96]. **Mathematica** [CKP13]. **Mathematical** [RMCCG+19, SEE96, CLM96a, SX09]. **mathematics** [BOP+15, CC24, Ano16, Ano03c, Ano04d, Ano04e, Ano04f, Ano05a, Ano05b]. **Matrices** [BMSZ01, Chi03, AD08, AH96, BCC22, BGM93, CR99, CG19, Dai16, EGL13, FMP22, FMPS13, GP95, HX21, Kni24, LH13, MPR22, Möß10, Peñ11, SO20, Tom96, ZP24]. **Matrix** [Low05, AC00, BD93, BCV23, BI11, BR07, CMX07, Cop98, DY10, DES21, ESM13, EGST13, ER21, FKS05, FMP22, FE15, Fus08a, Fus08b, GM17, GK19, GS19a, GKS21, Han06, HHS04, JL97, KM19, KA97, fLLfDX21, MB20, Miy19, NT23, VM17, WLW16, dVR19, DPS93]. **Matrix-valued** [Low05, Fus08a, Fus08b, GKS21, HHS04]. **Matzinger** [DKB99]. **Max** [MP23]. **MAXBET** [MSW+22]. **Maximal** [BS05]. **maximizing** [Bün11]. **Maximum** [CK11, CHSS03, GWC24, JlLZ20, KL17, ZP19, ZZL+24]. **maximum-norm** [KL17]. **Maxwell** [JL19, AB02, CGHK23, FMP22, HKR21, HY18, HW19a, KCW17, LCC19, LHY08, LWX19, VW02, Xie08, YX24a]. **Mean** [Wan23a, Wan23b, BD21a, BD21b, FK10, RGB13]. **Mean-square**

[Wan23a, Wan23b, BD21a, BD21b]. **means** [BI11, Xu04a]. **Measurable** [GH03]. **measure** [CMP07a]. **measurement** [FZ12]. **measurements** [JR23, LL21, Zwi94]. **measures** [GU02, MSST14, MRS03, MT98]. **measuring** [DL04]. **mechanical** [HZHL12, TBG18]. **media** [BSSM22, Cai02, CGHK23, DGMM16, HW19a, TS05]. **medial** [CCH$^+$08]. **median** [Osw04]. **median-interpolation** [Osw04]. **medians** [GY99]. **melting** [PCM$^+$96]. **memoriam** [Ano93]. **memory** [BR23, DHSW19, IP15, Jan98, MS22, ZBT$^+$22]. **menus** [RLGGAV19]. **Merrien** [Sab04]. **mesh** [BS05, DHSW19, DM99, Kac18, KF19, LLS96, LL98, MS18, MSS02, MS19, NSS04, SBMS22, Wan19, ZL16]. **mesh-free** [KF19]. **meshes** [AN20a, AAQ15, ANN22, CDM$^+$24, CH22a, DSW20, DY01, FPT06, GH06, HSY16, KP98, Kun01, LFL22, Loh23, LL10, LL12b, Mat09, Pla95, PW08, PGB10, QX21, TMH21, WWH21, WQP23, ZWDD16, ZD18, ZL17, ZYC19, ZW23a, ZC14, ZD16, ZW20]. **Meshfree** [TS05]. **meshless** [AS05, Dav23, ECS18, FS98, HS08, HS13, KH05, Sch09, Sch15, ZB12]. **metamaterial** [LCC19]. **Metamorphosis** [RY16]. **method** [AAPCC24, AAFV19, AF96, AU20, ARPR01, AC05, An20b, AB11, Ant18, APV14, ACPV21, AL97, ANN22, AC00, ACH10, AHC11, AS05, Bad19, BQRB13, BBB21, BH23, BV24, BZ18, BBdD21, BFMNP24, BK16, Boc04, BK24, BK96, BS97a, CJX17, CEL15, CDS02, sCLC13, CMX97, CLZ02, CLL08, CZS16, CFZ21, CGHK23, CDM$^+$24, CT17a, CKW10, CL02, CN96, CHY11, CCE$^+$12, DX20, DHK98, Dav23, DHSW19, DMS22, DLS14, DHWZ18, DNS21, DL23, DDLL23, EBS22, EX20, ECS18, EHV17, FK98, FGO14, FKT20, FaKT22, FH18, GM17, GK19, Gia20, GG16, Gna07, Gom95, GM24, Gu17, Gu19, Gu20, GS20, GQ22, GH06, yGW07, yGjW10, GW14, GW21, Gut21, GPG15, Han05, HKRS14, HL06, HH16, HR13, HO17, HMQ22, HK21, HAS05, HX17, Hu07, HXC10, HY14, HY18, HWZ23, HS16]. **method** [HW19a, HL20, HS20, IUV17, Jan98, JM03, JS05, JWJ23, JK08, KNP98, KY01, KS18, KH05, KHM16, Kum23, LN14, LLS03, LC18, LMRV23a, LMRV23b, Li05b, Li08a, Li08b, LC09, LG13, LC13, LZ20a, LGC$^+$20, LS20, fLLfDX21, LFL22, LZL23, LLR24, LZ21, LZY98, LQW18, LLC16, LWL17, LJ18, LC19, LZCW21, LGN22, LBCZ18, MR15, MS18, MR96, MV99, MST05, MSL21, MM20, MP18, MG19, MC23, MY17, MS98, Mur08, NKL$^+$19, OP11, PM17, PPH$^+$21, Pla12, QX21, Ryn00, SL15, SXYY06, SH23, SBMS22, SW98, SvVW22, SYCJ18, Svá19, TLG$^+$22, Tau19, TZL16, VNS18, lWyG06, WY16, WY17, WHS18, WWH21, WMW21, Wan22, WLB22, WZ10, WY20, WLW23, Wie15, WLPV15, WZtX16, Xie08, lXyG02, Xu14, XYZ21, YB21, YF23, YS23, YX24a, YL24a, Yao16, YZ21, YZLL24, Yem22, gYyG12, YL24b, YXX22, ZT14, ZP06, ZL24, Zha14, ZPY15]. **method** [ZT15, ZYC19, ZP19, ZY20, ZZC20, ZJZ21, ZCB21, ZW23a, ZW12, ZL16, ZL21, ZhXpZ16, lZmCRX03, ZQ13, Zhu15, ZG16, dCB07, HORU19]. **Methods** [Ano01b, AN20a, ASU17, AMS22, ABI15, AK15, Awa15, BP93, BN19, BN21, BCM99, BSK19, BDFS19, BBB$^+$16, BDMR10, BLV20, BEPS96, BJX09, BR23, BD21a, BD21b, BKM$^+$21, BS97b, Bur97, BS00, But97, CDP03, CLM03, CLMR10, CLMR15, CZZ17, CMX02, CWX06, CWX12, CS19, CLCH19, CL16, CEHK18, CJ24, ÇY23, CCP22, CSWP99, CHP19, CH22a, CFC23, Cul96, Cum96, DDP14, DFR07, DPS93, DMMS11, DS01, DRS08, DLZ16, DT12, EOR18, EJ97, FLM96, Fas99b, FYL08, FR10, FKT$^+$19, dLL19, FS98, FZLZ21, GQL24, GMM09, GO95, GWC24, yGqW09, HBMY14, Hau97, HQHV20, HS08, HCYY20, HYHH21, HR02, Hua06, HZHL12, HJYZ23,

HZZZ24, IKS10, JMO00, JSSE97, JlLZ20, JLZ08, JY22, Khl18, KXZ04, KLS19, KN14, KNQ16, LW04, LSY24, Lee03, Lee16, LC20, LC21, Lep23, Li05a, LCC19, LW23]. **methods** [LS19, LK05, LMV11, Liu99, LWX19, LLY12, LL10, LL12b, LNW02, MWZZ23, MH22, MN16, MNC16, Nai12, Nie98, Par22, PIZ01, PP23, PS98, Ram95, RWT13, RZ98, Sch15, SWH20, SXZ06, SX09, Sid17, SLT21, SXWG22, gTpM02, TX19, TBD94, TGA96, VC00, Wan12, WL12, WMY13, WMB13, WHTZ18, WG19, WW19, Wan19, Wan23a, Wan23b, Wie15, Wil98, XB05, XZ03, XY12, YKZ19, YXM23, ZVW95, Zen19, ZZP23, ZB12, ZJ23, ZLPX23, ZD16, ZCY20, ZWZ19, vdH93, vdHdS97, vdHv97, vdHS00]. **metric** [AAFV19, CZS16, LD07]. **MFS** [FKS05]. **MHD** [ATS19, CZ20, DHWZ18, LZ20b, LHH23, ZYB18]. **Microlocal** [GL17]. **micromagnetic** [BK24]. **midpoint** [SC08]. **Milstein** [Wan23a, Wan23b]. **Mindlin** [AL97, Ye00]. **Mini** [KL00]. **Minimal** [Sid17, Xu98, BN21, CsL18, FM18, PGM09, Pra23, Wen95]. **minimax** [Yao16, Yao19, Zwi94]. **Minimization** [MR10, BR23, CM96, zCpST09, CZS16, DT12, Fli18, FRT09, GN08, HH16, HHX18a, HHX18b, HWZ23, LWZ19, MHR21, MNPR06, TY18, WFL02, YKZ19]. **minimizations** [ZYY16]. **minimizers** [MRS18]. **Minimizing** [Bün11, Far10, FGS13, FGG$^+$17, KF19]. **Minimum** [Noa14, ABC14]. **Minkowski** [FMR00, FH05, FGMS19, KJ09]. **MIRKs** [Ben97]. **miscible** [HCH20]. **misclassification** [CM96]. **missing** [CCSS09, MHR21, Sch11a]. **Mittag** [GP13]. **Mittag-Leffler** [GP13]. **Mixed** [AAQ15, Li05a, Tim21, lXyG02, ACPV21, AK15, Awa13, BBB21, BBB22, CHM18, DGMM16, DLZ16, DL23, FF95, GS18, GQL24, GAN20, GMM09, Gil17, HCYY20, HZZZ24, JLZ08, Lee16, LLR24, LMT01, MM20, MS16, Per22, SPS18, SY19, TD21, Xie08, YDF97]. **mixture** [SJJY21]. **mixtures** [GZW18]. **MLPG** [AS05]. **mobile** [LZCW21]. **mobile/immobile** [LZCW21]. **modal** [RTV21]. **mode** [BHM18, CHRX06, HQR23, HW19a, LQW18]. **Model** [BOP$^+$15, BFH$^+$18, SS15, ALDHHZ$^+$19, AV15, AHK$^+$19, AK19, AHS20, And20, AL97, BNP14, BN19, BN21, BGT20, BGH15, BCS19, CHM18, zCpST09, CZ20, CS18, DHGA23, FE15, GLS15, GZA20, GDB24, GHLU19, GGRBRG21, HB24, HBH24, HF19, HY14, HX02, HL20, JZ10, KU18, KORS17, Kim06, KCW17, Kür18, LAG$^+$24, LGC$^+$20, LSY22, LZCW21, MSXZ13, NP24, Ock96, PWL20, PLRGVR22, RH15, RGB18, SI15, SM18, 'Sw19, Tha19, XKY15, Yan03, Yan19, ZPR03, ZY20, Zhe23, Zhu19]. **Modeling** [Ano02c, IL16, ABMM19, BZ18, BWX97, BFFM24, DAP13, GGW24, GH18, HQR23, KKL$^+$22, KMMI19, LR19, PJ20, TS05, ZPR03]. **Modelling** [APK20, APK18, KRP19, SEE96]. **models** [AGN23, ARAK09, AR23, BGG24, CLM96a, CGH$^+$13, CW09, DM19a, DNS21, EX20, FKT$^+$19, GZW18, MO19, PGB15, RWT13, Wat96, WBGG22, YKZ19, ZW19, ZST19]. **modes** [BPJ02]. **modification** [FGS16, ZP19]. **Modified** [KL00, WMY13, Bai99, dLL19, HW18, Li08b, LMYL19, RJ00, WLW16]. **modular** [TL18]. **modulation** [GKKS23]. **moduli** [NRR$^+$22]. **Mollification** [BB07]. **mollifiers** [CGW13]. **moment** [BR07, Füh16, TQ17]. **moment-based** [TQ17]. **moments** [CHR00, CHSS03, CaL06, CCH$^+$15, Han10, ZTHW22]. **momentum** [WW19]. **Monge** [Awa15, CFZ21]. **mono** [Mui99]. **mono-implicit** [Mui99]. **monomials** [dB07]. **Monotone** [Kva14, ABY13, BC19, yGmW98, KL04, KL07, nCV13, Wan12]. **monotonic** [Xu14]. **monotonicity** [FP98, FBCR13]. **monotonicity-preserving** [FBCR13].

**Monte** [ESTW19, KR19, PM19, Zhe23]. **Moreau** [Bad19]. **Moreau-regularized** [Bad19]. **MoRePaS** [BOP+15]. **Morley** [HSY16, HMM21, WHTZ18, YLBL12]. **morphing** [LD07]. **mortar** [FH18]. **mortaring** [LRS12]. **motion** [BNP14, FKT+19, WSL+19]. **motions** [FGS13]. **motivated** [GPS21, Wie97]. **moving** [BMSR+16, FE15, GRdSA19, GJW20, Ock96, TZ03, Tau19]. **MR0019410** [CN96]. **MR1338896** [Hem96]. **MR2438345** [Fus08a]. **MR2783300** [Dũn12]. **MR3428571** [Ano16]. **MR3428572** [Ano16]. **MR3428573** [Ano16]. **MR3428574** [Ano16]. **MR3428575** [Ano16]. **MR3428576** [Ano16]. **MR3428577** [Ano16]. **MR3428578** [Ano16]. **MR3428579** [Ano16]. **MR3428580** [Ano16]. **MRA** [PŠWX03]. **Multi** [HL06, LSXZ15, RZ98, BlH23, BR15, CMR07, CC22, CaL06, CHS17, DHSW19, FZLZ21, GW21, HH16, HD20, HCF+21, HJYZ23, KV21, KCW17, LY07, LZ20a, LMWX13, MSW+22, Onc14, PGB15, Qiu23, gTpM02, ZBT+22, ZTHW22, dVR19]. **multi-asset** [PGB15]. **multi-block** [HH16]. **multi-dimensional** [BR15, FZLZ21, LZ20a, Onc14]. **multi-frame** [BlH23]. **multi-frequency** [KCW17]. **multi-GPU** [ZBT+22]. **multi-interval** [gTpM02]. **multi-knot** [LY07]. **Multi-level** [HL06]. **multi-mesh** [DHSW19]. **multi-order** [GW21]. **Multi-parameter** [RZ98]. **multi-patch** [KV21]. **multi-revolution** [CMR07]. **multi-space** [HD20]. **Multi-step** [LSXZ15, HJYZ23]. **multi-subdomain** [CHS17]. **multi-task** [LMWX13]. **multi-term** [CC22, Qiu23]. **multi-variate** [HCF+21, ZTHW22]. **multi-view** [MSW+22]. **multi-wavelet** [dVR19]. **multi-wavelets** [CaL06]. **multibody** [FE15]. **multicategory** [CX06]. **multidelay** [ZV08]. **multidelay-integro-differential** [ZV08]. **multidimensional** [BRR18]. **Multidomain** [BK16]. **multifidelity** [PM19]. **multifilter** [Jia00]. **multiframelets** [LYY13]. **Multifrequency** [BR22]. **Multigrid** [BH02, DKMT20, Bad19, BA15, BEPS96, GPG15, Hem95, Hem96, KXZ04, KvL95, SXYY06, ZVW95]. **multiharmonic** [LZ21]. **multilayer** [WFL02]. **multilayered** [Mha93]. **Multilevel** [BMK15, CWX06, KP95, Kun95, XH13, XYZ21, Zhe23, CHM18, DMMS11, Fas99b, GJS14, GO95, HX02, Nie98, YXX22]. **multimedia** [Ren09]. **Multiobjective** [IUV17]. **Multiparameter** [BJX09]. **multiphase** [ZGV22]. **Multiple** [HJH12, CDTV99, GPT17, GIKV21, MXO13, Plo95, TY18, Yao16]. **multiple-block** [TY18]. **multiplication** [AC00, BD93, Khl18]. **multiplicative** [GQL24, QZX23]. **multiplier** [Hu07, WLW16]. **multipliers** [JAA22, Kun95, SYCJ18, YF23]. **multiply** [HL16b, San15]. **multiply-connected** [HL16b]. **multipoint** [DLZ16]. **multipole** [GG16, WLB22, YB21]. **multiquadratic** [FHN94]. **Multiquadrics** [BLS02, Buh06, HL16a, HL18]. **multiresolution** [ADL11, AL13, ABD08, CGRS15, GDMS21, Jia11, KKL03, RAB+09]. **Multiscale** [CL16, CLR19, Opf06, ACPV21, APK18, APK20, BJX09, GKM+20, GL17, Hua06, JK08, KORS17, LW14, LSW17, Li03, LLY12, MR15, MTH21, SBZR19, TH19, Var96]. **multisplitting** [WMY13]. **Multistep** [FJ99, BD21a, BD21b, BS97b, BS97a, BS00, Wil98]. **multitasking** [BMRS20]. **Multivariate** [ACH21, BL99, Car95, CsL18, LP04, MS04, SRFH12, ALRÁY22, BC99, BGW24, BCZ05, Cal05, CHR00, CMX07, CDTV99, DS13, FH20, Lai06, Le 00, Li04, NSW16, Sau95, SX95, Sau06, SS96, SW08,

SU22, WZ20a, dB00, Sch04]. **Multiwavelet** [HM03, PS98, LYY13, CMX97]. **multiwavelets** [CMSS23, MS97]. **multiwindow** [JJK13]. **Mumford** [KPY09].

**Nash** [dCFCF20]. **nat** [Sil99]. **native** [Fus08a, Fus08b]. **natural** [Dou94, SH23]. **nature** [LO08]. **Navier** [An20b, Ang00, APV14, CHM18, CR23, CS19, CGS93, DFOS23, DM19a, DNS21, GAN20, GHKL18, HL06, HQR23, JY22, JK08, LC13, LGC$^+$20, LC19, PCM$^+$96, WWH21, ZVW95, ZCL20, ZQS22, dFGAJN18]. **Near** [BDKY02, DSW05, GIKV21, MM00, Nit22, SFDE15, ST23]. **near-field-to-far-field** [SFDE15]. **Near-optimal** [DSW05, GIKV21]. **near-singular** [Nit22]. **nearly** [DL23]. **necessary** [MNPR06]. **Nédélec** [Xie08]. **negative** [GS20, HX21]. **nematic** [SJJY21, aZWL23]. **Nernst** [HMX22, YTL$^+$20, YL24a]. **Nested** [ZT14, KP98]. **nets** [Sto96]. **network** [CD15, GHJZ23, KKP24, Len96, Mha93, SM18, 'Sw19]. **Networks** [EPP00, Noa96, BE00, CS18, CLM96b, DM22, EBS22, GS22, Len94, MM00, MZ22, MSL21, MNW99, MMNM23, Nee96, PRS24, Wat96]. **Neumann** [AHC11, BST24, KP18, LST11, LC21, WL12, ZB12]. **Neural** [SM18, AM24, BE00, CLM96b, DM22, GHJZ23, KKP24, Len94, Len96, MM00, MZ22, Mha93, MMNM23, Nee96, PRS24, 'Sw19, Wat96]. **neutral** [Wan19, ZV08]. **neutron** [YXM23]. **Newton** [CG15, CCK20, EHV17, HY14, HWZ23, fLLfDX21, YXX22]. **Newton-penalty** [HY14]. **Newtonian** [DGMM16, KRP19, Li10b]. **NFFT** [PT21]. **Nicolson** [CLCH19, HCYY20, SXWG22, aZWL23]. **Nirenberg** [GP14]. **Nitsche** [LRS12]. **Nitsche-mortaring** [LRS12]. **no** [Fus08a, Hem96]. **node** [CDPS22, Gom95]. **noise** [GQL24, LO08, QZX23]. **noisy** [BE00, MHR21, NG99, RH12]. **Non** [Dũn09, EEK21, LW03, YZB20, ZY20, AK01, AS24, ABY13, APK18, Atr12, ANSZ17, BBB21, BSSM22, Bru23, CJ07, CGR11, DMBH24, DLUS17, DY01, FBDH19, Fra99, GJMY19, GS20, HH19a, JKLY13, JM00, Khl18, Lev99, LHY08, LWZ19, LP14, MO16, MG19, PSNP11, PJ20, Ryd19, SO20, TYY11, TMH21, Wan12, WMY13, WMB13, Wan23a, Wan23b, XP10, YZ24, ZBT$^+$22, ZMQ23, ZWDD16, ZL24, ZB12, ZJZ21, ZD16, ZS24]. **non-adjacent** [Khl18]. **non-autonomous** [MO16]. **non-canonical** [AS24]. **non-commensurate** [Ryd19]. **Non-conforming** [YZB20, ZMQ23]. **non-constant** [ZB12]. **non-convex** [FBDH19]. **non-equilibrium** [BSSM22, HH19a]. **non-extensive** [SO20]. **non-greedy** [TYY11]. **non-Hermitian** [WMY13, WMB13]. **non-homogeneous** [AK01, DMBH24, GJMY19, ZS24]. **non-identical** [XP10]. **non-intrusive** [PJ20]. **Non-iterative** [ZY20]. **Non-linear** [Dũn09, ABY13, CJ07, ZJZ21]. **non-Lipschitz** [LWZ19, Wan23a, Wan23b, ZL24]. **non-local** [ZBT$^+$22]. **non-monotone** [Wan12]. **non-negative** [GS20]. **non-null** [BBB21]. **non-oscillatory** [DLUS17]. **non-overlapping** [LHY08, PSNP11]. **non-periodic** [LP14]. **non-polynomial** [Fra99]. **non-rectangular** [ZWDD16]. **non-self** [YZ24]. **non-selfadjoint** [JM00]. **non-stationary** [Bru23, CGR11, JKLY13]. **non-steady** [MG19]. **Non-symmetric** [EEK21]. **Non-Uniform** [LW03, Atr12, ANSZ17, DY01, Lev99, TMH21, ZD16]. **non-zero** [APK18]. **nonconforming** [LLS03, LY08, LC19, MC08, ZZC20]. **nonconjugate** [AR23]. **nonconservative** [Tha19]. **nonconvex** [SL12]. **noncovex** [ZW19]. **nonequispaced** [Nes16, Ste98]. **nonhomogeneous** [AC05, AMS22, HY18, Li04]. **nonintrusive** [CEL15]. **Nonlinear** [AL13, DLU19, Noa98,

ON18b, AGN23, AKS23, ADL11, AZW15, BQRB13, BMP+19, BFFM24, CLC16, CLCH19, CGHK23, DKLT93, EH24, GH99, GRdSA19, Gu20, GMS12, GQ22, yGmW98, GW14, Gut21, HCYY20, HL21, JSW20, KU18, KNV01, LRY23, LT98, MWZZ23, MN15, MG19, Osw04, QWXZ10, SM18, SWH20, SPS18, SY19, Sun14, TL18, WZ19, WY20, XZ01, XZ03, YTL+20, YS23, Yan19, YZLL24, ZPR03, ZHzSR21, ZCB21, ZCY20]. **Nonlinearity** [Ito96, MG19]. **Nonlocal** [ACK19b, CCP22, AN20a, FLM96, SPS18, SZJ21, TDG16, ACK19a]. **nonmatching** [PS05]. **nonnegative** [CZ19, Gon93]. **nonpositive** [HW19b]. **nonregular** [LT98]. **Nonsmooth** [MS22, BV24, ZW19]. **nonsquare** [fLLfDX21]. **Nonstandard** [MC10]. **Nonstationary** [DM15, DMS22, LC20, ON18b, Pit16]. **nonsymmetric** [XYZ21, dH94]. **Norm** [CK03a, BW20, Bün11, CK11, KL17, Nie98, PRS24, Tad19, ZPR03]. **norm-based** [PRS24]. **normal** [GG16, GS19a, HCF+21, ZTHW22]. **Normalized** [BF03, JKLY13]. **norms** [MRS18, Wat94]. **note** [BI11, CLZ02, Dai16, Del17, Kun09, Lar18, Ste98]. **novel** [BlH23]. **nozzles** [HH19a]. **Null** [KCW17, AKKN22, BBB21]. **number** [CsL18, LWX19, MGSS22, RJ00, TL18]. **number-theoretic** [RJ00]. **numbers** [Sch95]. **Numerical** [AGN23, AG98, AMS22, ACM+22, ABMM19, BBB22, BGG24, BDFS19, BSSM22, CGH+13, CGHK23, CCH+15, Cum96, DDP14, DL98, ER99, FR10, FQ10, FZ19, GT14, Hau97, HW12, HXC10, HL20, JLW20, JY22, KNV23, Kei95, KRP19, KL22, KMO+14, Mar94, OS09, Pen98, PLRGVR22, PSW24, PST08, RCJ+23, RHZ17, She13, SJJL15, TBD94, WH07, XY12, YZLL24, ZVW95, ZGGW12, ZB12, ZD17, ADG17, BPW95, BSK19, BF11, BGMS07, Bes03, Ble07, Bre19, BP11, Cas07, CX04, CJN18, CCDL20, CN96, CT17b, DHK98, DD94, DLP98, EJ97, FM14, FKT+19, FKT20, GVSLN96, HO17, Hol01, HH19a, HJYZ23, KXL24, KKP24, Kle21, KS17, LLS09, LMYL19, LL12a, LJ18, Lut04, Mur08, NRR+22, OP11, PF23, SW04, SJJY21, Tha19, WHS18, WZ19, WG19, WLPV15, XL10, ZWZ19, BMSR+16]. **numerically** [AD08, CJ24]. **NURBS** [BX94]. **Nyström** [CSWP99, DLS14, HBMY14, HH15, LG13, SLT21, Tau19]. **Nyström-type** [CSWP99].

**objective** [dCFCF20]. **objects** [LD22, SF14, SB22]. **oblique** [CG10]. **oblivious** [DES21]. **Observability** [JRS15]. **observable** [LSLS14]. **Observations** [DHK98, GPT17, KKP19, XWL13]. **observers** [GT14]. **obstacle** [BBR02, BR22, IKS10, LRY23, LMT01, Yan01]. **obstacles** [ACM+22, CH15, ZGGW12]. **ocean** [SI15]. **ODE** [AB97, Ben97, BKP20]. **ODEs** [AM24, Bur97, EJ97, JM00, WK93]. **offline** [Tad19]. **offline/online** [Tad19]. **offset** [PGB10]. **offsets** [CCH+08]. **oil** [KKL+22]. **Oldroyd** [AMK19]. **Oldroyd-B** [AMK19]. **One** [GKKS23, HMQ22, ZYY16, CLM96b, CLM18b, CLM18a, HT12, KORS17, KKP19, LZZ09, MS12, Wan19, XKY15, ZMQ23, ZG16]. **One-bit** [GKKS23]. **one-dimensional** [CLM18b, CLM18a, KKP19, LZZ09, XKY15, ZG16]. **one-leg** [Wan19]. **one-level** [HT12]. **One-step** [HMQ22]. **one-way** [ZMQ23]. **Online** [GYZ17, GS19b, HBH24, Tad19, Yin07]. **online-adaptive** [HBH24]. **onset** [IL16]. **onto** [CWLH95]. **open** [CL18, NW22]. **operational** [ESM13]. **operations** [PR15, RLGGAV19]. **operator** [AR20, BMK15, DFR07, FQ10, GM14, Lut04, MWZZ23, MC10, RH12, RSZ11, XZ03]. **operators** [ACK19a, ACK19b, BDD06, BC20, BC19, CMP23, CS06, CCS16, DL04, DY10, DES21, FY13, Gna07, GLT93, GP14, GKS21, JL97, KP98, Kir98, KK02, Len96,

Li94, LT98, MR10, MXZ08, PL05, TSV21, nCV13, WM21, ZBT+22, ZD16]. **operon** [CGDHRÁ+19]. **Optics** [Ano02c, BKN11, BPJ02]. **Optimal** [AMPT22, BEG17, BMRS20, CS06, CKW10, Dũn11, GL13, HMM21, HS20, KR19, LO08, LWW21, MRS14, Maz04, Mui99, Qiu23, Wan19, ZP19, AM24, BB24, CLC16, CLZ02, CGG+20, DSW05, DP13, EH24, Fou23, GHdN12, GIKV21, GH06, GN13, HPS19, HJJV97, KS20, KP95, LSY24, Lee03, LC18, LZ20b, LZ21, LLLH23, LY01, LGN22, MS22, MRS03, MTH21, NZ04, Per22, RH12, RJ00, RS19, Sch15, SY19, TX19, WZJ18, WZM21, WQP23, Yan03, YZLL24, ZW23b, ZW23c, dLdDSM07, Dũn12]. **optimality** [CP93, LC18, MM00]. **Optimally** [GQL24, LP04, ČF11, RST+14]. **Optimization** [SLN14, AHK+19, BHT11, BLV20, BA15, CD15, ESM13, GHKL18, HMQ22, IUV17, KKL+22, LSXZ15, LL21, TBG18]. **optimize** [RMCCG+19]. **Optimized** [Onc14, SXWG22, AAPCC24, CCP22]. **optimizing** [KLS19]. **option** [lZmCRX03]. **orbital** [KL19]. **orbits** [CS93]. **Order** [But97, FW15, YZ24, AK19, AHS20, AL97, BS05, BOP+15, BGH15, BCS19, BD18, BA15, BFFM24, CDP03, CLM03, CWX12, CZ20, CFZ21, CS18, CEHK18, CLM18b, CLM18a, DM19a, Don20, DNS21, Fin19, FS98, FZLZ21, GL23, GW17, GLS15, GZW18, GM22, GGW24, GH18, GHLU19, GW21, HBMY14, HZZ20, HWZ22, HKR04, HBH24, HS03, HLN12, HZZZ24, ILHH22, IRT23, JMO00, JS21, JY22, JN18, KU18, KMMI19, KCW17, KL16, Kür18, LR19, Li05a, LD16, LCC19, LZ20b, LYF+21, LZ22, LL12a, LWWZ22, LHH23, MRS03, Mat09, MS19, MS04, Möß10, NS04, NKL+19, Noe95, NZ04, OBS15, PM17, PSNP11, Qiu23, Ram18, RHZ17, Ryd19, SI15, SM18, SPS18, SS15, SBZR19, SLK20, SJJY21, SLT21, TX19, TTC21, TBD94, TGA96, WHTZ18, WZ19, WZzS21, WY20, WOBL17, Wie97, WZ20b, XL10, Xu14, ZP06, ZD18, ZPR03]. **order** [ZT15, ZYB18, ZZC20, ZW22, ZJ23, ZLPX23, ZZL+24, ZD16, ZCY20, ZZ09, Zhu19, Yem22]. **Order-preserving** [FW15]. **ordering** [CM99, Dou94]. **orders** [Bre19, Wan19]. **ordinary** [yGqW09]. **oriented** [BWX97]. **originated** [MH17, Zhe06]. **originating** [ANZ23]. **Orthogonal** [Bes03, CMP07a, FM04, LH13, AB23, BFFM24, CI13, Dam07, DHO16, ES23, JS99, Jia00, KESR22, MPS96, MPS97, PF23, QX21, Rei93, Sal98, SI15, SX07, TSY10, Wat94, YF23]. **Orthogonality** [MPS96, MPS97]. **orthogonalization** [CK07]. **orthogonally** [Wat94]. **orthomaps** [ZB99]. **Orthonormal** [QWXZ10, CaL06, Han98, Han10, HHS04, Lai06]. **oscillators** [KXL24]. **oscillatory** [DLUS17, KXL24, NUWZ17, XHC15]. **Oseen** [ACPV21, LFL22, LLC16]. **osmosis** [HB24]. **osmotic** [LR19]. **outflow** [Kno09]. **output** [BHM18]. **outputs** [DHGA23]. **overlapping** [HS03, LHY08, Par20, PTC12, PSNP11]. **oversampled** [MH22].

**p** [WY17]. **package** [BD93, ZBT+22]. **packet** [CR08]. **packets** [ANZ23]. **Padé** [BC99, BNPP20, BCZ05, CDTV99, Dar03]. **Padé-type** [Dar03]. **pages** [Ano16]. **pair** [ZT15]. **Pairs** [CG10, Chr15, NSS04, CKK16, GLS15, Lem09]. **pairwise** [GYZ17]. **panel** [HH15]. **panel-based** [HH15]. **parabolic** [AGN23, AN20a, AV15, BSK19, BV24, BA15, CHS21, CJW22, FLM96, GLO10, HK21, HCYY20, KL17, LSY24, Le 05, Li05a, LZ21, LB93, LGN22, RS19, SPS18, SvVW22, TH19, gTpM02, VK96, WMW21]. **Parallel** [AB97, AH96, BP93, BF94, BS97b, BS97a, Bur97, BS00, Chi03, Jan98, Tal19, vdHdS97, ATS19, Ben97, But97, CSWP99, DHSW19, DHWZ18, EJ97, Moo17, RCJ+23, WMY13,

WLPV15, XZ01, ZSHZ15, ZQS22, dH94, vdH93]. **Parameter** [HO17, AHK+19, BCS19, BFMNP24, FaKT22, GPT17, GLM23, HO15, JJLR14, Kno09, LJL20, LLY12, Nes16, OP11, QWS24, RH12, Rip99, RZ98, Sch11b, She13, TBG18, Wie15, WK93]. **parameter-dependent** [BFMNP24, FaKT22]. **Parameter-uniform** [HO17, OP11]. **parameter-varying** [BCS19]. **Parameterization** [Jia00, BGT20, CLM02, CL18]. **Parameterizations** [Jia03, HL16b, KV21, LLLH23]. **parameterized** [ANGV19, BOP+15, CM99, HX21, fLLfDX21, RGB18, SS15, Tad19]. **parameters** [BRR18, EHV17, FYL08, KLS19, LAG+24, RDEG24]. **Parametric** [BGH15, KKV15, ALDHHZ+19, BNPP20, CC94, FE15, GPS10, GDB24, HBH24, KK99, LP21, MO19, SFDE15]. **parametrized** [AHS20, BFFM24, DM19a, MN15, Yan19, ZMQ23]. **Pareto** [AR23, dCFCF20]. **Parseval** [BLP19, CK07]. **part** [BSK19, WZL17, Yao19, BN19, BN21, DMBH24]. **partial** [ANGV19, Atr12, BV24, CJX17, CN96, EOR18, ESTW19, yGS08, HK21, HS08, LS18, Mai20, PM17, SW96, She13, WK20]. **partially** [HHX18a, HHX18b]. **particle** [KH05, KCCV23, LW23, XB05]. **particular** [AMS22]. **partition** [CM12, DHWZ18, DQS20, HL05, NSS04, ZSHZ15]. **partitioning** [Wie15]. **partitions** [CGKK21, MS07, SS04]. **Parzen** [ZZ09]. **pass** [Jia09b]. **Past** [Ano03c, Ano04d, Ano04e, Ano04f, Ano05a, Ano05b]. **patch** [KV21]. **Patches** [Kra02, BLP02, GPS10]. **path** [Tim21]. **pattern** [RTV21]. **pattern-forming** [RTV21]. **PCA** [WW12]. **PDE** [AV15, AHK+19, BHT11, CW09, DAP13, IUV17, ILHH22, KKL+22, Sch15]. **PDE-constrained** [KKL+22, BHT11, IUV17]. **PDEs** [AHS20, AKS23, BFFM24, CCNT21, CH22a, DM22, Le 05, LBCZ18, MN15, MSL21, VK96]. **peakiness** [GKS19]. **pedestrian** [PSW24]. **penalizations** [Per22]. **penalized** [BL09]. **penalty** [An20b, GS13, HY14, Lep23, LWX19, Mai20, PWL20, WHTZ18]. **pencils** [CG06, fLLfDX21]. **perceptrons** [WFL02]. **perfect** [CJKK18, EGL13]. **perfectly** [LZZ09]. **Performance** [HD20]. **period** [SC08]. **Periodic** [CDS02, Zha05, AB02, AB23, CP03, CG10, DS01, FW15, GY00, LL13, LZ21, LP14, MP00, She13, Tor16]. **periodization** [Søn07]. **peristaltic** [BLV20]. **permittivities** [HKR21]. **permutation** [NSW16]. **permutation-invariant** [NSW16]. **Persistence** [CL22, PZ16]. **personalized** [RLGGAV19]. **perturbation** [CCNT21, Che06, WHTZ18, ZZC20]. **perturbations** [She08]. **Perturbed** [Ram95, RSZ11, AB02, BBR02, CK11, CFZ21, GLO10, HO17, Kun01, LRS12, MR15, MR96, MXO13, MS19, MP18, OS09, OP11, ZC14]. **Petrov** [AS05, CMX97, CMX02, DS01, Hua06, WY17, WY20]. **PH** [CHS20, GSS22]. **Phase** [BH23, BDFS19, BH15, BSSM22, GHKL18, Han10, JR23, KL16, LMYL19, LGC+20, LS20, LL21, LS18, Tha19, TSV21, ZY20]. **phase-field** [ZY20]. **phases** [QWXZ10]. **phenomenon** [BC99, RY13]. **photoacoustic** [DGK15]. **photographs** [ZB99]. **photonic** [KK02]. **physical** [FKT+19, TS05, ZRR23]. **physics** [DM22, HL21, MMNM23]. **physics-informed** [DM22, MMNM23]. **pi** [Len94, Len96]. **Piecewise** [AB23, Gu17, Wen95, ABC14, BGM93, Cas07, HL05, JSSE97, KPY09, LY07, LM06, PR99]. **piecewise-polynomial** [ABC14]. **PINNs** [DM22]. **PinT** [LWWZ22]. **pipeline** [CM99]. **pipeline-efficient** [CM99]. **Pitaevskii** [LZ20a]. **pivoting** [DM23]. **planar** [BCHS22, BLP02, BGN17, CG19, CHS20, CCLM21, DOZ94, KV21, LLS03, Zwi94].

**Planck** [HMX22, WSL+19, YTL+20, YL24a]. **plane** [GMM09, GM22, HBMY14, HPP+19, HY18, Li94, PC17]. **plasma** [CG17, LAG+24]. **plastically** [SEE96]. **plastically-formed** [SEE96]. **plate** [AL97, FP99, Joh13, MM20, Ye00, Yoo01, ZB99]. **plates** [ATS19, LQW18]. **plus** [SS08]. **POD** [AV15, BFFM24, GH18, GHLU19, RH15]. **Poincaré** [KP98]. **point** [AKKN22, CZS16, DSW05, DLUS17, Dou94, Fou23, GMS12, yGmW98, KXL24, Khl18, KS17, KF19, Leo13, LSXZ15, LS19, MRS22, MR96, MHR21, SC08, ZL20]. **points** [BLP02, Gom95, GH08, IP15, LQW18, NZ22, Pan95, Pra98, SW04, Sto96, Ven94, WHS18, Yao19]. **Pointwise** [Dam07, GLX23, ZHzSR21, NV10, PP23, WZzS21, WZM21]. **poised** [BH17]. **Poisson** [ALZ02, AK15, BL09, CBK01, HMX22, JL19, Li05b, Li08a, PP23, YTL+20, YL24a, Yem22, ZSB01b, ZhXpZ16]. **polarized** [AMPT22]. **poles** [VK96]. **pollution** [Spe23]. **Polycircular** [NRR+22]. **polygonal** [ANN22, DSW20, GH06, LFL22, WWH21]. **polygons** [FHK06, FK10, Jon17, KB15, LD07, RGB13]. **polyharmonic** [BRS13]. **polyhedrons** [HR17]. **Polynomial** [GS00, JZ04, MNPW00, TMH21, WZ20b, Xu00, Xu04b, zCFX07, ABC14, ANZ23, Bar03, BGM93, BNR00, BR13, BFCIV22, CDPS22, CT05, Cho95, DS00, Der04, FGG+17, Fra99, GRV22, GDB24, HMS19, HW12, JKLY13, JLM19, Le 00, Lev99, MV99, Maz99, MWW13, MS00, Mon09, Nie07, Pan95, PS07, PR99, Sau95, SPS21, Sid17, Sor18, Tim21, Wen95, WS01, ZJ06, dB00]. **polynomially** [LP10]. **polynomials** [ACM20, Bün11, CMP07a, CI13, CCS16, DZ04, DHO16, DKB99, DGS18, DS13, Flo96b, GMRS97, IP15, Jüt98, LKW17, MPS96, MPS97, MS04, MN00, Pot04, PF23, Rau05, Rei93, Sal98, SX07, SS08, WSM13, Xu04a, dB06]. **polytopes** [CCH+15, War96]. **population** [AL21, Tyg23]. **poroelasticity** [BKM+21]. **porosity** [HYHH21]. **porous** [BSSM22, DGMM16]. **posed** [BL09, BE00, LLY12, XY12]. **Positive** [LS05, Bai99, De 06, FM21, GP95, GS10, GQ22, GGRBRG21, Luo99, Pin04, SM99, WMY13, WMB13, Wen95, Wu95]. **positivity** [CEHK18, DSW20, LM06, Maz01]. **positivity-preserving** [CEHK18, DSW20]. **post** [HZZ20, LZY98]. **post-processed** [HZZ20]. **post-processing** [LZY98]. **postbuckling** [Mur08]. **postconditioning** [FJ99]. **posterior** [And20, AR23]. **Posteriori** [Ano01b, BBB21, Bra01, CR23, CBK01, CK11, DFOS23, DY01, EBS22, GMBS23, HORU19, KY01, KL17, LC21, LMRV23a, LMRV23b, MSZ06, MRH15, MW01, SWH20, WXWL19, ZC14, Kun01, CLM18b, CLM18a, AK01, ARPR01, DLZ16, GN13, HR01, KNV01, LY01, LLY12, Pet02, PS05, Yan01, Yan03, Zha01, ZSB01b]. **potential** [BST24, FL23, GM24, Li09, SB22, aKT17]. **potentials** [CGG+20, EX20, FaKT22, GJW20, IMS99, Li10b, ST23, SJJY21, WG19]. **Poussin** [SU22]. **Powell** [AS02, LLS96, LL98, MS07, Rem12, SW08]. **power** [ASS10, CS18, GKS19, LS98, NSW07, RS99]. **power-growth** [RS99]. **powers** [PF23]. **Practical** [WMB13, CN96, WZL17]. **precise** [Jon17]. **precision** [GPS10, NP18, Tim21]. **Preconditioned** [LNW02, BCM99, MS98, RSZ11]. **preconditioner** [Bre95, FH18, HS03, HH19b, LK05, PM19, PTC12, PL05, Sto17, Zhu15]. **preconditioners** [Bai99, DKMT20, MS99, NBL11, SW98, TSZ98]. **Preconditioning** [GK19, Wan12, vdH93, BHT11, BPK96,

CHY11, GPS21, JS95, KP95, KvL95, Kun95, LZ21, MV01, ZT14]. **prediction** [CC24]. **predictive** [AV15]. **predictor** [CSWP99, ZD14]. **Preface** [AS03, Ano00b, Ano02d, Ano04g, Ano05c, Ano06, BP11, CHY10, Dah95, GOZ03, NW04, Sch04, SX09, Twi96, XY12, BOP+15]. **preimage** [KNV23]. **prescribed** [CL02, FMPS13, Kac18, MRS18]. **presence** [AL13]. **Preservation** [CK03b, CLMR10, CMP07b, FP98]. **preserve** [MXZ08]. **Preserving** [CP04, GZA20, BGW21, CP93, Car95, CJ07, CCDL20, CEHK18, CCS16, CGM01, CM03, CP07b, Der04, DSW20, EOR18, FBCR13, FW15, GO05, GWC24, HBH24, HR17, JlLZ20, JSW20, KNP98, KU18, KBL22, KvD01, LLLH23, PSW24, SS14, WW19, WZzS21, YL24a, ZJ23]. **pressure** [BSSM22, BR15, Lep23, WaZL24, YZ21]. **pressure-correction** [WaZL24]. **pressure-robust** [YZ21]. **pricing** [lZmCRX03]. **primal** [DGMM16, KPY09, LY21]. **primal-dual** [KPY09, LY21]. **primal-mixed** [DGMM16]. **Prime** [LMO14, Kot08]. **prime-counting** [Kot08]. **principal** [Gat21, IB17, LKT18, SLN14]. **principle** [AHS20, GWC24, IKS10, JlLZ20, ZZL+24]. **principles** [Kos15, LSLS14, MSST14, RT14]. **printer** [ALADH+19]. **prior** [Fou23]. **priori** [JS21, WXWL19]. **probabilistic** [AVGGEG+19, BFMNP24]. **probability** [ACM20]. **problem** [AK01, AMK19, Ara20, AGGAV+19, ACH10, AHC11, BST24, BSK19, BBF+24, BGMS07, BMSR+16, BE00, CK11, sCLC13, CGM18, CH15, CL07, CMX07, CZS16, CJW22, CDM+24, CL16, CMM21, CHP19, CG17, FLM96, FF95, FRT09, GMM09, GRdSA19, GPS21, GGRBRG21, yGmW98, GN13, HO17, HKR21, HPS19, HT11, HXC10, HCH20, HFH15, KL00, KS17, KCW17, LAG+24, LST11, LR19, LMRV23a, Lep23, LMRV23b, Li05b, LLZ10, fLLfDX21, LFL22, fLL05, MR15, MC08, MS19, MM20, MP18, Mur08, NT23, O'N18a, OP11, Pei05, QC12, TW98, Wan08, WHTZ18, Wan22, WBY24, WZ10, WLW23, XY15, Yan03, YTL+20, YS23, Yem22, YXX22, ZZP23, ZB12, ZPY15, ZZC20, ZC14, ZW12, vdH93]. **problems** [AGN23, AN20a, AU20, ARPR01, AC05, ABI15, AKKN22, BCC22, BL09, BKN11, BBB22, BHT11, Bes03, BFMNP24, BDMR10, BA15, BK96, BS97a, BS00, But97, CZZ17, Cas07, sCLC13, Che06, CWX12, CHY10, CP15, CHS17, CHY11, CCE+12, DDP14, DRS08, DSW20, DLZ16, EH24, EHS02, EX20, FK98, FKS05, GM17, Gia20, GM14, Gil17, Gna07, GLX23, GO95, GH06, yGjW10, Hak00, HN18, HNT22, HKRS14, HH16, HHX18a, HHX18b, HH15, Hem95, Hem96, HR01, HQHV20, HMQ22, HO15, HJH12, HW18, HX17, HL21, JS21, JN18, Kac18, KORS17, KXZ04, KL19, KPY09, KF03, KNV01, LSY24, Lee03, LC18, LC20, LC21, Li05a, LSXZ15, LS19, LZ21, LRS12, LMT01, LY01, MSZ06, Mar94, MO16, MR96, Mat09, MC23, MTH21, MNC16, NW22, OS09, Ock96, Par20, Par22, Per22, PP97]. **problems** [PSNP11, Ram18, RS19, RSZ11, SWH20, SXZ06, SPS18, SH23, Sou22, Sto96, Sun14, TLG+22, TZL16, TDG16, Tom96, TBD94, VW05, WL12, WHS18, WXWL19, Wat94, WY20, XZ01, XY12, XYZ21, Yan01, YX24a, Yao19, ZP24, ZMQ23, Zha14, ZL17, ZYC19, ZCB21, ZL16, ZL20, ZW23b, ZW23c, dCFCF20]. **problems-application** [SWH20]. **procedure** [BRZ94, PSNP11, Sch11b, SU22, Tad19, Yan19]. **process** [ALZ02, DAP13]. **processed** [HZZ20]. **processes** [BBF+24, CDP09, KBL22, SU12]. **processing** [Jia11, LSXZ15, LZY98, PZ16, RT14, SX09, Sun14]. **processor** [AH96]. **Procrustes** [Wat94]. **product** [Bün11, CP15, Flo94, FP98, GO95, KK99, LS05, MJM23, Pin04, RS19]. **production** [GGRBRG21]. **products**

[FMR00, FGMS19, GY00]. **Professor** [Sil99]. **programming** [AHS20]. **programs** [ZLPX23]. **projection** [APV14, CLMR15, HT12, KS18, KH05, LH13, LFL22, Mat09, TSV21, ZMQ23]. **projections** [BLP19]. **projectors** [She08]. **prolate** [LST11]. **Prony** [BH23, JLM19, Sid20, ZP19]. **Proof** [FP99, Spe23]. **propagation** [ABMM19]. **proper** [BFFM24, ES23, KESR22, SI15]. **properties** [AB11, BS06, Boc23, BD21a, BD21b, CR08, CHL17, CGKK21, CGR11, CL02, DQS20, GGL07, JL97, Mai10, MPS96, MPS97, Mha93, MNW99, PŠWX03, PR19, Pla12, RAB+09, ZP24]. **property** [BH17, CGP95, CM12, HV19a, JKLY13, MP96, Pré94, SL12]. **proportional** [XH13]. **proportionality** [CHMR97]. **Prössdorf** [Sil99]. **prototype** [RLGGAV19]. **Proximity** [MSXZ13, LSXZ15]. **Pseudo** [Awa15, Mai06, FÁG19, JSW20, LZ20a]. **Pseudo-dimension** [Mai06]. **pseudo-random** [FÁG19]. **pseudo-spectral** [JSW20]. **pseudo-spectral-difference** [LZ20a]. **Pseudoaffinity** [Maz07]. **pseudodifferential** [DPS93, DS01, FQ10, GP14, PS98]. **pseudoframes** [LO08]. **pseudomonotone** [HQHV20]. **pseudoparabolic** [FL23]. **pseudospectral** [GZW18, yGSlX03, lWyG06]. **Publisher** [Ano01c]. **Puiseux** [WZL17]. **pumps** [BLV20]. **pursuit** [QWS24]. **pyramids** [RF19]. **Pythagorean** [AF96, FS94, FaKS02, FGS16, JKK+12, KJ09, KKV15, PFMS05, Pot95, RSA14, RM19]. **Pythagorean-hodograph** [AF96, FS94, FaKS02, FGS16, JKK+12, PFMS05, Pot95, RSA14]. **Python** [CLR19].

**QCMC** [HL16b]. **QMR** [Cul96]. **QMR/BiCG** [Cul96]. **QTT** [KORS17]. **QTT-finite-element** [KORS17]. **quadrangulations** [NSZ04]. **Quadratic** [CLLS06, MP04, MS07, Noa02, BGW24, CLMR10, DHGA23, Kva14, WQP23, YF23, YZLL24, ZCB21, ZW20]. **quadratic-bilinear** [BGW24, DHGA23]. **Quadratic-Cycloidal** [MP04]. **quadratically** [MN15]. **quadratization** [LZ22]. **Quadrature** [Nai12, SB22, ACH21, BF94, FXZ96, FM14, FaKT22, GVSLN96, HZHL12, MC10, SX07, ST23, Tad19, WM21, XHC15, Yan19, aKT17]. **quadratures** [LL12a]. **quadrilateral** [AAQ15, FF95, Jia11, KST21, LY08, LPSSP00, LL10, LL12b, MC08, ZYC19]. **quadrilaterals** [NRR+22]. **quadtree** [KHM16]. **quality** [SBMS22]. **qualocation** [JSSE97]. **quantification** [GPS21, HSSS18, WBGG22]. **Quantile** [SHTS14]. **quantiles** [Xia13]. **quantization** [LPY10, Wan08]. **quantum** [HL21, ZJ23]. **quartic** [HWZ23, MH17]. **Quasi** [KKL03, KKLY10, NV10, CP99, CSS98, DL98, DGMM16, Dũn09, HL16b, LM04, LC18, MS07, RH12, Rem12, Spe17, WLW23, WL05]. **quasi-affine** [CSS98]. **Quasi-biorthogonal** [KKL03]. **quasi-conformal** [HL16b]. **quasi-interpolant** [Dũn09]. **quasi-interpolants** [MS07, Rem12, Spe17]. **quasi-interpolating** [DL98]. **quasi-interpolation** [LM04, WL05]. **Quasi-interpolatory** [KKLY10]. **quasi-Newtonian** [DGMM16]. **quasi-optimal** [RH12]. **quasi-optimality** [LC18]. **quasi-reversibility** [WLW23]. **quasi-wavelet** [CP99]. **quasigeostrophic** [SI15]. **quasilinear** [ANN22, CH22a, HK21, LB93]. **quasiuniform** [GH06]. **Quaternion** [Far10, FGMS19]. **queueing** [AGGAV+19]. **quintic** [CHS20, Far10, FGS16, GSS22, SS04]. **quintics** [KJ09]. **quotient** [MS04]. **quotients** [ES23].

**R** [MRS22]. **Rachford** [HH16, TSV21]. **Radau** [BS97b, BS97a, BS00]. **Radial** [BRSV15, LR07, Li10a, Li10b, BCM99, BGH15, BRR18, CL16, CSW96, DSW05, Fas99a, Fas99b, FF05, FS98, FZ19, FW15, GW17, Hub12, LST11, LW14, LM14, LLY06, Li05a, Li09, LK05, Low05, Mai05, RS99, Rip99, Sch95, SS08, SRFH12, WH07, Wen95, WK20, Wu95, Xu98, dB06]. **radial-basis** [RS99]. **Radiation** [MKS02]. **radii** [AMM20]. **radiosity** [AC00, Han05]. **radius** [CCMM21, DY10, Möß10]. **Radon** [CG15]. **raising** [FL00]. **Ramlau** [HR13]. **Random** [PS23, BKP20, CCNT21, CP15, FÁG19, JWJ23, QZX23]. **Randomized** [AK19, BN19, BN21, CW19, LA22, LKT18, Boc23, DM23, JWJ23, MB20, SMK22, YL24b, ZZ09]. **range** [APK20]. **ranges** [BDYY20]. **Rank** [NSW16, AAPCC24, AL21, BGT20, CMP23, DDLL23, GIKV21, GS20, GKS21, LMWX13, MRS22, SMK22, Sid17]. **Rank-** [NSW16]. **rank-1** [GIKV21]. **Rapid** [Lee21, Bre19]. **Rate** [Li08b, Ara20, Sun08]. **rates** [ACM20, BC19, CET21, FJ99, HL18, LR07, Wan23a, Wan23b]. **Rational** [FM18, TSY10, BEG22, BB24, CLM02, DP13, DOZ94, EGL13, FM21, Far10, FGS13, FGG$^+$17, GMB97, JJK13, JW95, Pot95, Sid20, TBG18, VK96, gYyG12]. **Raviart** [CL07, HCYY20, HMM21, YZB20, ZHY19]. **ray** [GL13]. **RB** [SWH20]. **RBF** [AFM23, Bru23, FM21, GK19, Han12, LSW17, Sch11b]. **RBF-interpolation** [Sch11b]. **RBFs** [Fus08a, Fus08b, NSW07]. **re** [DHSW19]. **re-distancing** [DHSW19]. **reaction** [ANN22, CK11, DFOS23, GLO10, KC16, Kun01, MR15, MXO13, SZJ21, ZC14]. **Real** [LS18, ANSZ17, BMB14, Bre19, Dam07, FRT09, GP13, GS19a, IB17, NUWZ17, Pan95, Pin04, VK96]. **real-life** [FRT09]. **real-time** [ANSZ17]. **real-valued** [IB17]. **realizations** [RDEG24]. **realized** [Tal19]. **reciprocal** [BEG22]. **Reconstruction** [AL21, DMT03, Var96, ARAK09, Atr12, BDMR10, BRR18, CJKK18, CCH$^+$15, Don20, DM15, EGL13, FPR$^+$12, GP14, JLW20, KL15, SW06, Sun10]. **reconstructions** [BD18]. **recoverable** [KL15]. **recovered** [ZW19]. **Recovering** [WL12, GN08]. **Recovery** [FZ12, AAPCC24, BCV23, CCSS09, CS06, CFZ21, CCLM21, DY01, Dũn09, Dũn11, Fou23, Gat21, GL13, JLM19, KKL$^+$22, XWL13, Yan01, Yan03, YTL$^+$20, Zha01, Dũn12]. **recovery-based** [CFZ21]. **rectangles** [CDP03]. **Rectangular** [Awa13, HNT22, DM99, Rem12, ZWDD16]. **rectilinear** [KNV23]. **recurrence** [EHV17, MXZ08, RL07]. **recursion** [Wal95]. **recursions** [Wal95]. **Recursive** [Cop98, BR22, TZ03]. **Reduced** [ASU17, GLS15, MRH15, PGB15, AZW15, ANGV19, BHM18, BV24, BFMNP24, BFFM24, CEL15, DM19a, GGW24, GH18, HK21, IUV17, KMMI19, LAG$^+$24, LR19, PPH$^+$21, RH15, SI15, SL15, Sid17, SBZR19, Wie15, Yan19, HORU19]. **reduced-basis** [IUV17]. **reduced-order** [GH18, SI15]. **Reducing** [Ant18]. **reduction** [AHK$^+$19, AK19, AHS20, AZW15, BN19, BN21, BGT20, BOP$^+$15, BGH15, BFH$^+$18, BCS19, CS18, DHGA23, FE15, GZA20, GDB24, GHLU19, HBH24, HO15, KU18, KCW17, Kür18, NP24, PS07, RGB18, SM18, SS15, Tom96, Yan19, ZN18, Zhu19]. **redundancy** [BH15]. **Refinable** [Gro13, HM03, CX04, CTZ02, De 06, GGL07, JS99, KKLY10, LLS95, Li04, MS04, Pit16, Sau06, dVR19]. **refined** [GJS14, KP95, KP98, ZGV22]. **Refinement** [DX10, ARPR01, CHP19, DM93, DY10, Han06, JL97, Li04]. **refinements** [HNN23]. **reflection** [MP23, Wan12]. **reflectivity** [DMT03]. **regard** [TYY11]. **regime** [ZW22]. **region** [DLK12]. **regions** [CMP07b, CCLM21, JW95, KvL95, Pet96,

San15, TB16]. **register** [CM99]. **register-** [CM99]. **regression** [SHTS14, SW10, YZ23]. **regular** [CET21, Led15]. **regularities** [YX24b]. **Regularity** [MS97, CCK20, MXO13]. **Regularization** [EPP00, 'Sw19, Zoz15b, Zoz15a, BJX09, DSS09, FBDH19, FQ10, GS13, HT11, LSY24, MJM23, MZ13, RH12, SHTS14, WLW23, ZW12]. **Regularized** [SW10, Bad19, DGK15, GYZ17, Hu07, WZ10, ZW19]. **Regularizers** [MMP13]. **regularizing** [Pla12]. **Reguralizers** [Lar18]. **Reissner** [AL97, Ye00]. **related** [DGS18, HH19b, MPR22, Sid17, TDG16]. **Relation** [PZ16]. **relations** [EHV17, RL07]. **relaxation** [HJJV97, WLB22, vdHv97]. **relaxations** [Las16]. **Reliable** [CCE+12]. **ReLU** [LP21]. **Remarks** [HJJV97, DT96, Dou94]. **removal** [RY13, SEE96]. **renewal** [AB23]. **representation** [BDD06, CMP23, CWLH95, CLM02, Lev99, MSST14, MNW04, Nie98]. **Representations** [Ano02d, CP93, Dar03, Dũn09, GN08, GL17, Hub12, TZ05]. **representer** [Sch21]. **representing** [RBGS18]. **reprint** [CN96]. **Reproducing** [FY13, BMP+19, DLU19, HT11, JKLY13, PS23, RY16, vdMNS03]. **Reproduction** [JZ04]. **rer** [Sil99]. **Residual** [LC21, APV14, BN21, Mai20, MW01]. **residual-based** [MW01]. **Residual-type** [LC21]. **residue** [GGAVGG+19]. **resistance** [BGG24]. **resistive** [GDMS21]. **resolution** [BlH23, Gat21, HFH+07, ILHH22, JLM19, NT23]. **resonance** [NW22]. **respect** [CMP07a, Rei93]. **response** [TZL16]. **restarted** [BR23, dH94]. **restoration** [Del17, FRT09]. **Restricted** [CMP03, SL12]. **Restriction** [AD08]. **restrictions** [BMRS20]. **result** [JS95]. **results** [CHS21, GVSLN96, HW18, Kun09, MN00, NSW98]. **retarded** [Hau97]. **RETRACTED** [Zoz15b]. **Retraction** [ZLPX23]. **Retraction-based** [ZLPX23]. **retrieval** [BH23, BH15, JR23, LL21, LS18, TSV21, Wan12]. **reversibility** [WLW23]. **reversible** [CS93]. **revisited** [BRZ94]. **revolution** [Ara20, CMR07]. **Reynolds** [TL18]. **Riccati** [AKS23, BF11, KA97]. **Richardson** [JLZ08]. **ridge** [GJU22, Mai10, WFL02, GJU22]. **Riemann** [Bra01, BS23, EGST13, JN18, KS17, LS19]. **Riemannian** [DDLL23, GH16, HW19b, LL21, Noa06, Noa14, WYW11, YZ08]. **Riesz** [Grö03, HHS04, Leo13]. **right** [FR10]. **right-hand** [FR10]. **rightmost** [GKS21]. **Rigorous** [SWH20]. **ripplets** [Pit16]. **risk** [MNPR06]. **RKDG** [ZQ13, ZG16]. **RKN** [Ram95]. **RMS** [Nes16]. **Robin** [HYHH21, PSNP11, SJJL15]. **Robin-Robin** [HYHH21]. **Robin-type** [PSNP11]. **Robust** [AAPCC24, Kun01, LSY24, LZ21, ZC14, AHK+19, BlH23, ÇY23, Don20, YF23, YZ21]. **robustness** [ZSB01b, ZYY16]. **role** [Joh13, Ock96, SBMS22]. **ROMs** [BFFM24]. **Rosenbrock** [BBB+16]. **rotating** [SF14]. **rotation** [FaKS02, Far10, FGS13, FGG+17]. **rotation-invariant** [FaKS02]. **rotation-minimizing** [Far10, FGS13, FGG+17]. **rotational** [CS19, WaZL24]. **rounding** [Bar03]. **Roundoff** [TZ03]. **RT** [SPS18]. **Rubenchik** [ZWZ19]. **rule** [Nit22, SC08]. **Ruled** [SR02]. **rules** [Han10, IRT23, NSW16, RH12, RJ00, WYW11, WZL17, WM21]. **Runge** [BP93, Boc23, BS97b, BS97a, BS00, CHMR97, CLM03, CMR07, CLMR10, CLMR15, CSWP99, Hal95, JMO00, Liu99, Mui99, SLT21, vdHdS97, vdHS00].

**Sabin** [AS02, LLS96, LL98, MS07, Rem12, SW08]. **Sacker** [LMV11]. **saddle** [Yao19, ZL20]. **safe** [HKR04]. **salesman** [Wan08]. **Salzman** [Han05]. **same** [CGR11]. **sample** [GKS19]. **sampler** [FPR+12]. **samples** [CsL18, SW10]. **Sampling** [BGT20, RZ10, WSM13, vdMNS03, ARAK09, Atr12, BH23,

Dũn09, Dũn11, Dũn12, Gat21, GZ13, JJK13, JWJ23, PS23, Pra23, RTV21, Søn07, SZ09, Sun10, Sun14, Tan17, XP10, YL24b, ZZ09]. **Sampling-free** [BGT20]. **sampling-reconstruction** [ARAK09]. **satellite** [FM04]. **satisfying** [TSY10]. **Saul'yev** [GWC24]. **SAV** [JY22, LS20, ZL21]. **SBFs** [NSW07]. **scalability** [JAA22]. **scalable** [MMNM23, WLPV15]. **scalar** [BR07, HN18, Khl18]. **scale** [AMM20, BF11, BW20, BRSV15, CS94, HN18, HL21, JWJ23, KESR22, Plo95, RH15, SI15]. **Scaled** [BLS02, BBdD21, CMP21, NW22]. **scales** [MXO13]. **scaling** [CP03, Han98]. **Scattered** [DZ04, ECS18, FHN94, Grä12, IP15, Kun09, LW04, LNW02, MNW99, NSW98, NG99, Pot04, WL05, WSM13, Yoo01]. **scattered-data** [NSW98]. **scattering** [BCV23, BR22, Cai02, CGM18, GL23, Gil17, GM22, HSSS18, HR02, IKS10, LD22, LN14, MKS02, QC12, VW05, WL12, YZB20, ZGGW12]. **scheme** [BNP14, BCZ23, BBB22, BS05, CLC16, CC22, CJ07, CL07, CLCH19, CtTB21, CLM18b, CLM18a, CGRS15, CT17b, FGS13, HFH$^+$07, HWZ22, HH15, HW18, HCYY20, JSW20, JL19, LZ20b, LYF$^+$21, LY08, LHH23, MB96, PSW24, Qiu23, SJJY21, SXWG22, Tha19, TTC21, WaZL24, Wie97, WQP23, XY20, ZYB18, ZW22, aZWL23]. **schemes** [ADL11, BD18, Ble07, Boc23, Bru23, CMR07, CD15, CMX97, CZ20, CZ19, CGR11, CGR13, DD94, DLUS17, DLU19, DSW20, DS13, Flo96a, GAN20, GRV22, GZW18, GWC24, GMS12, GGRBRG21, HW19b, JKLY13, Jia95, JN18, LLY06, Lev99, LP10, LQ14, LD16, LMYL19, LSY22, LZ22, MS12, Mui99, MH17, Nie07, Noe95, Ram18, SW96, Sou22, TQ17, TDG16, WZJ18, WZzS21, Zhe06, ZW20]. **Schmidt** [CK07, Chr15]. **Schnirelman** [Yao19]. **Schoenberg** [SS96]. **Scholes** [PGB15]. **Schrödinger** [BK16, CLC16, GRdSA19, GM24, JSW20, KU18, LRY23, LZ22, LJ18, MWZZ23, SY19, WZJ18, XY20]. **Schur** [Dai16, Peñ11]. **Schwarz** [Bre95, BR07, CCP22, PTC12, SXWG22]. **Schwinger** [Che02, GM22]. **SDEs** [CJN18, IY22, Wan23a, Wan23b]. **SDFEM** [ZL17]. **Second** [BA15, CZ20, CHS17, HLN12, O'N18a, SJJY21, TW98, TGA96, ZYB18, Bad19, Bra01, CMX97, CP99, DM19b, Don20, FZLZ21, GZW18, GGW24, HS16, JY22, LZ20b, LYF$^+$21, LWWZ22, LHH23, Mar95, PSNP11, Qiu23, RHZ17, TX19, WY20, XL10, Xu14, ZP06, ZCY20]. **second-** [FZLZ21]. **second-/fourth-order** [FZLZ21]. **Second-kind** [O'N18a, TW98]. **Second-order** [BA15, CZ20, HLN12, SJJY21, TGA96, Don20, GGW24, JY22, LZ20b, LYF$^+$21, LWWZ22, LHH23, Qiu23, TX19, WY20, ZCY20]. **sectional** [HW19b]. **sections** [Flo96a]. **sectorial** [FM04]. **segment** [MNW96]. **segmentation** [DLK12, KPY09, RWT13]. **segments** [Pet96]. **Seidel** [Dou94]. **seismic** [Wan12]. **selecting** [Rip99, Sch11b]. **selection** [AAPCC24, CHMR97, CDPS22, GLM23, Kac18]. **self** [FMPS13, MSW$^+$22, SM00, YZ24]. **self-adjoint** [FMPS13]. **self-associated** [SM00]. **self-consistent-field** [MSW$^+$22]. **selfadjoint** [JM00]. **Sell** [LMV11]. **Semi** [Buh06, PIZ01, TH24, BS05, Bru23, CLC16, DNS21, JWJ23, JRS15, LC13, PP97, WW19]. **semi-cardinal** [BS05]. **semi-discrete** [Bru23, LC13]. **semi-discretisations** [WW19]. **semi-discretization** [JRS15]. **Semi-explicit** [PIZ01]. **semi-implicit** [CLC16]. **Semi-infinite** [Buh06]. **Semi-Lagrangian** [TH24]. **semi-linear** [DNS21, PP97, WW19]. **semi-randomized** [JWJ23]. **semidefinite** [Las16]. **semidiscrete** [CW16]. **semidiscretized** [VK96]. **semilinear** [AV15, Cas07, CK11, FLM96, KL17, LGN22, WMW21, ZZP23].

**seminorms** [AM14, LL99]. **sensing** [FBDH19, SL12]. **Sensitivity** [KA97]. **separable** [CS03, HHX18a, HHX18b, TY18]. **separating** [lZmCRX03]. **separation** [Leo13]. **sequences** [BD10, BR07, FÁG19, GGL07, Grö03, LY07, LYY13, MP96, SZ09]. **sequential** [PJ20]. **series** [CDTV99, LT13, Pré94, QW11]. **set** [BLP02, BDFS19, Boc23, FGG+17, GLT93, KPY09, Pan95, PS23, RLGGAV19, XKY15]. **set-valued** [XKY15]. **sets** [BH17, BS06, CG15, CG19, Cho95, FMR00, FH05, FGMS19, HV19a, HV19b, KF19, Leo13, LL13, LL11, WSHD07, Wie15]. **setting** [ZHzSR21]. **several** [GS00, MS12, Xu00]. **SfePy** [CLR19]. **Shah** [KPY09]. **shallow** [CT17b, Don20, IL16, KKP19, TTC21, vdHS00]. **Sham** [CGH+13]. **Shape** [BLV20, CP93, CMP07b, CM03, CP04, CP07b, Der04, GO05, CH15, CGM01, DM19a, GHKL18, HSSS18, HSV09, KvD01]. **Shape-Preserving** [CP04, CM03, GO05]. **shaped** [Pit16]. **shapes** [Alb15, BJMR24]. **shared** [DHSW19, Jan98]. **shared-memory** [Jan98]. **Sharp** [CC22]. **Shaw** [LYF+21, ZL21]. **shearlet** [GL13, PR19]. **shearlet-wavelet** [PR19]. **shearlets** [BLP19, SPS21]. **shells** [Ara20, YDF97]. **shift** [CHL17, HHS04, Sun10]. **shift-invariant** [CHL17, HHS04, Sun10]. **shifted** [Yoo01]. **Shishkin** [Mat09, MS19, ZL17]. **shooting** [CS93]. **Shortest** [dVR19]. **sided** [MS18]. **sides** [FR10]. **sideways** [LK20]. **Siegfried** [Sil99]. **sifting** [DAP13]. **Sigma** [Wan08, LPY10, Len94, Len96, GKKS23]. **sigmoidal** [Sto96]. **sign** [RDEG24]. **Signal** [MSST14, Gat21, Lee21, PZ16, RT14, Sun14]. **signals** [BRR18, PS23, Ren09, Var96, Wan12]. **signatures** [CC94]. **Simple** [JlLZ20, SO20, CG04, CKBP11, JWJ23, MST05, MY17, Spe23, SB22, ZLPX23]. **Simpler** [DM23]. **simplices** [Wie97]. **simplified** [HY14, RHZ17]. **simply** [CWLH95, CL18]. **simply-connected** [CWLH95, CL18]. **simulating** [KCCV23]. **Simulation** [Zhu15, BGMS07, BGG24, BDFS19, FE15, FKT+19, FZ19, HPP+19, XKY15, Zhe23]. **simulations** [APK20, BK24, CEL15, KS18, ZGV22, ZG16]. **Simultaneous** [CJW22, Füh08, LT06, PCM+96]. **sine** [LZ20a]. **Single** [gTpM02, EJ97, NT23]. **single-eigenvalue** [EJ97]. **singly** [Tor16]. **singular** [ACH21, ByLl01, Bes03, Boc04, Che06, CKP13, DX20, FR10, Gu19, HX17, HS16, HX21, IRT23, KXL24, LKT18, LWW21, Nit22, Pla12, Smo07, WHTZ18, WM21, ZZC20]. **singularities** [Fin19, HZHL12, MRS22, MV99, MP00]. **Singularity** [KNP98, lZmCRX03]. **singularity-separating** [lZmCRX03]. **singularly** [CK11, CFZ21, GLO10, HO17, Kun01, LRS12, MR15, MR96, MXO13, MS19, MP18, OS09, OP11, ZC14]. **six** [CMP07b]. **six-dimensional** [CMP07b]. **sixth** [CLM18b, CLM18a]. **sixth-order** [CLM18b, CLM18a]. **size** [BS00, GIKV21, WMW21]. **skyrmion** [HPP+19]. **sleeve** [Bei23]. **slice** [AAPCC24]. **slice/feature** [AAPCC24]. **slipping** [ATS19]. **slits** [KNV23, San15]. **Small** [Sch23, BGH15, CKK12, NSS04]. **SMMP** [BD93]. **Smolyak** [Pet00]. **Smooth** [AS02, BLP19, BST24, BK96, Car95, GLX23, HBMY14, JSSE97, KV21, KR19, LP14, MM00, Par22, RZ10, YX24a, ZLPX23]. **smoothing** [BB07, FJ99, Fas99b, MST05]. **Smoothness** [Osw04, Pra98, CSW14, FBCR13, Li04, MT98, SRFH12, TD21, WYW11, ZD18]. **snapshot** [ASU17]. **snapshots** [GHLU19]. **Sobolev** [CLCH19, DG16, FY13, Han06, KL07, LYY13, PR19, War13]. **Sobolev-type** [KL07]. **Software** [WLPV15, CKP13, Mac94, ZBT+22].

**solidification** [PCM+96]. **solidification/melting** [PCM+96]. **Solution** [FH05, LST11, ADG17, BPW95, BF11, BA15, Bra01, Cum96, DPS93, DMMS11, DLP98, EHS02, EJ97, GM14, HH19a, KS17, KC16, Mar94, Pen98, PF23, WZ19, Wat94, ZMQ23, ZVW95, ZYY16]. **Solutions** [Han06, AC05, AMS22, AB23, Ant18, ATS19, CLZW13, CJN18, CN96, ER99, FK98, HZZ20, HBM03, JLZ08, JN18, KK05, Kim06, KF03, LP21, Li05b, Li08a, Li08b, Li09, Mur08, RL07, Ryn00, She13, SB22, WZ10, XH13, Yao16, ZSB01a, ZV08]. **Solvability** [HS08]. **Solvable** [Wat96]. **solve** [ARPR01]. **solver** [Ben97, Cai02, GM22, KS23, LD22, RS19, YZ13, ZGV22]. **solvers** [AB97, BBB+16, HPS19, HH19b, KP95, KCCV23, Sch15, SW96, vdHdS97]. **Solving** [Fas99b, HS13, JM00, LM14, PC17, Sch09, WLW23, WK20, AC00, BSK19, BBF+24, sCLC13, CJ24, Cul96, DM19b, HQHV20, HJYZ23, Li05b, LSXZ15, LJ18, LBCZ18, LLY12, MP18, MC23, MS00, MMNM23, TLG+22, TQ17, WHS18, XYZ21, Yao19, ZT14, ZCL20, ZhXpZ16]. **Some** [CHM18, DT96, Dou94, GVSLN96, KY01, MN00, CLM96a, CKP13, Dai16, DS01, HX17, Kle21, Le 00, LT98, LZZ09, LPSSP00, Peñ11, RT14, SW98, TX19, ZQS22, dCFCF20]. **source** [BBB21, CJW22, JLW20]. **Space** [GHJZ23, BLP02, BV24, BKK17, CGM01, DKMT20, FS94, Far10, FM18, Fus08a, Fus08b, GG16, GM24, GHLU19, HN18, HD20, HK21, HT11, KCW17, KJ09, LSY24, NV10, Pin04, RS19, RM19, She13, SZJ21, Spe23, SvVW22, TH19, TZ07, Yao16, YZLL24, ZCL20, ZD16]. **space-adapted** [GHLU19]. **space-fractional** [DKMT20]. **Space-time** [GHJZ23, BV24, GM24, HK21, LSY24, RS19, SZJ21]. **spaced** [LP14]. **Spaces** [GH03, AS08, BGM93, BMP+19, CLLS06, CMP07b, CS06, CS03, CG10, DST04, DS00, Don19, FY13, GHdN12, GJS14, Han06, HHS04, Jia95, KV21, Kni24, LYY13, LT98, Lut04, MZ22, Maz99, NS21, NSW16, PR19, RY16, SS16, Spe17, Sun08, Sun10, Tad19, Tem01, Tem07, TMH21, WYW11, ZRR23, ZWDD16, ZD18, ZN18, dB07, vdMNS03]. **spanned** [dB07]. **Sparse** [BD93, CCH+11, CP15, Fli18, GKS19, Hem95, JLM19, WW12, BNR00, BF11, BZI19, BKP20, Gut21, KKP19, KL15, MR15, NBL11, PWL20, PGB15, Pla00, SU12, SJJL15, YCQZ24, ZTHW22, Hem96]. **Sparse-grid** [Hem95, Hem96]. **sparsification** [SO20]. **sparsity** [BZI19, BDMR10, FRT09, GN08, Lar18, MMP13]. **Spatial** [CC24, CP04, FaKS02, FZLZ21, FL23, HS20, JLW20, Leo02, PFMS05, WW19]. **spatial-dependent** [FL23]. **spatially** [GZW18]. **SPDEs** [KK20]. **special** [BOP+15, CHY10, Tom96, XY12]. **specified** [FM18]. **Spectral** [GMRS97, Gu19, Gu20, yGSlX03, JL97, MS18, Smo07, ACH10, AHC11, BK16, CJX17, CP14, CCMM21, CP15, CGW13, DY10, Gu17, yGW07, yGjW10, GW21, Gut21, HL06, HX17, HY18, HS16, HW19a, JSW20, Lee21, Lep23, LY07, LZ20a, LS20, LMV11, LWL17, LL07b, LBCZ18, MFB+11, MSL21, Möß10, Mur08, PPH+21, WWX18, WW19, lXyG02, gYyG12, ZP06, ZP24, ZJZ21, ZL21, Zhu15]. **spectrum** [FMPS13]. **sphere** [BC94, DST04, DG13, FM14, FM04, HKR04, HR17, HWZ23, HJ23, KN14, KNQ16, LW14, LM14, Leo13, Leo02, Li08a, MNW99, MNPW00, MNW04, NW04, Pot04, PP23, SW04, SS08, SM99, WS01, Xu04a, Xu04b, zCFX07]. **Spheres** [Noa02, Fas99a, GMBS23, KF19, Kun09, Le 05, Luo99, NSW98]. **Spherical** [FW96, BMK15, DG16, FM14, HL08, Hes09, HW12, IP15, Le 05, NS04, PTC12, ST23, WWX18]. **spheroid** [CP15, LST11]. **spin** [AMPT22, CLM02]. **spin-polarized** [AMPT22]. **Spline** [Jia09a, JF02, AS08, BS05, ČF11, CHRX06, CMR22, DS00, DS01,

DX10, FGS16, FP99, Flo94, Gér19, GJS14, KV21, KK99, KvD01, LW04, Leo02, MS07, MJM23, MXZ08, MXY13, MH17, PWL20, QX21, Rem12, SS96, Sor18, Spe17, SZ09, TMH21, Wal95, YZLL24, ZWDD16, ZD18]. **splines** [AF96, AHHR16, ANSZ17, ANZ23, BR13, BL99, CDPS22, CM12, CGR13, CH22b, CKM99, DL98, DZ04, DOZ94, FH20, GSS22, GO05, JKLY13, JL06, Joh13, KLNS95, KL04, KL07, KP04, Kva14, LL98, LS98, LLS95, Leo02, LM06, MR96, MSS02, Maz01, MNW96, NS04, NSS04, NZ04, NSZ04, PTC12, Plo95, PW94, Sch04, SS04, SS14, Str95, TD21, War13, Yoo01, ZB99, Zhe06, ZA10, dVR19]. **split** [AKKN22, FaKT22, HH15, TLG+22]. **splits** [AS02]. **Splitting** [BCZ23, HZHL12, XWL13, HH16, HHX18a, HHX18b, nCV13, ZT14, ZPY15]. **splittings** [GO95, WMB13]. **spots** [Kle21]. **square** [BD21a, BD21b, SW10, Wan23a, Wan23b]. **Squares** [BNPP20, JF02, CHY11, Dav23, FÁG19, FHN94, LK05, Sto96, Tom96, WK93]. **SRLW** [HWZ22]. **SSOR** [Bai99]. **stabilisation** [Mat09]. **stabilities** [LMYL19]. **Stability** [CK03b, CS19, DS10, DMBH24, LS20, NSW98, WMW21, ZV08, ZQS22, ARAK09, AMM20, AV15, BD21a, BD21b, But97, CMP23, DHK98, DP13, ER99, Fus08a, Fus08b, HJYZ23, JS95, Kei95, Kun09, Low05, MN15, MB96, MNPR06, PST08, XB05, YXM23, PS98]. **Stabilization** [CMR22, AKS23, HT12, JJLR14, KP18, LFL22, NV10, TL18, TZ07, YX24a, dFGAJN18]. **Stabilized** [Ye00, BQRB13, BBB22, CLM18b, CLM18a, JY22, KLS19, LC09, LC13, MU14, SI15, SXWG22, XY15, ZT15, ZQS22, ZS24]. **stabilizer** [Kum23, YZ21]. **stabilizer-free** [Kum23, YZ21]. **Stable** [BH15, CDPS22, CCLM21, LP04, XL10, BD18, CZ20, GJS14, GZW18, GWC24, GGRBRG21, LYF+21, She13, SJJY21, TGA96, WQP23, Ye04, ZYB18, ZY20, dFGAJN18]. **stage** [LW23]. **Stair** [lWyG06]. **staircase** [Zhu19]. **standard** [BDD06]. **star** [GMB97]. **starting** [CLM03]. **State** [AKS23, Ang00, CLM18b, CLM18a, DMMS11, ER99, GHKL18, HMX22, HO15, NP24]. **State-dependent** [AKS23]. **Stationary** [LLY06, Bre95, Bru23, CGR11, DLU19, JKLY13, LC09, MS12]. **statistical** [BEG17]. **statistics** [HSV09]. **steady** [Ang00, CLM18b, CLM18a, DMMS11, ER99, HMX22, MG19, ZQS22]. **steady-state** [Ang00, CLM18b, CLM18a, DMMS11, HMX22]. **steam** [HH19a]. **steel** [GN13]. **Stefan** [HXC10, JL19]. **Stekloff** [YZB20]. **Steklov** [KP98, LLZ10, YXX22]. **step** [BS00, CLM03, HMQ22, HFH15, HJYZ23, LSXZ15, MP18, WMW21, ZS24]. **step-size** [BS00, WMW21]. **stepping** [JlLZ20, KC16, VK96, WY20, ZPY15, ZY20]. **Stepsize** [CHMR97, Hal95, Wil98]. **stepsizes** [LY21]. **Stieltjes** [Lee21]. **stiff** [Ben97, BS97a, BS00, But97, EJ97]. **Stochastic** [ACM20, ÇY23, BCZ23, BNPP20, BD21a, BD21b, CCG10, CJX17, CCK20, CCDL20, DX20, DM19b, GQL24, MM00, QZX23, SU12, TX19, WSM13, WZ20b, YL24b, ZL24, Zhe23]. **Stokes** [LGC+20, AMS22, An20b, Ang00, APV14, AR20, BBB21, Bre95, BR15, CHM18, CR23, CCG10, CLL08, CS19, CL16, CMM21, CT17a, CGS93, DFOS23, DM19a, DKK22, DNS21, FF95, GAN20, GHKL18, GJMY19, GJW20, HL06, HQR23, JJLR14, JY22, JK08, KL00, KCCV23, Lep23, LC09, LG13, LC13, fLL05, LY08, LC19, MRH15, MY17, Nit22, PCM+96, WY16, WWH21, WaZL24, XY15, YZ21, ZVW95, ZT15, ZCL20, ZQS22, dFGAJN18]. **Stokes/Darcy** [CHM18]. **Stokesian** [BLV20]. **Straight** [San15, DD94]. **Strang** [GW17, WL05]. **strategies** [GS22, MN15, WLB22]. **strategy** [ARPR01, CGR13, GPT17, Hal95, LLY12]. **Stray** [BK24]. **streamers** [Ram18].

**streamline** [KY01]. **streams** [GSS22]. **strength** [CJW22]. **stress** [GG16, Lee16]. **Strictly** [Luo99, Pin04, SM99, GP95]. **strip** [KNV23, lXyG02]. **strong** [DGMM16, GS19b, MGSS22, SJJY21, TX19]. **Strongly** [GJS14, OS09]. **structural** [ARPR01, CCN+16]. **structural-acoustic** [ARPR01]. **Structure** [BGW21, AB02, GZA20, HBH24, JSW20, KBL22, PSW24, Wat96, YL24a, ZJ23]. **Structure-preserving** [BGW21, HBH24, JSW20, KBL22, PSW24, YL24a, ZJ23]. **Structured** [BKN11, BGW24, GGW24, ZL20, BZI19, GDB24, GN08, Kim06, Lar18, MMP13, ZPR03]. **structures** [JN18, KC16]. **Studies** [LZZ09]. **study** [CGDHRÁ+19, CHS20, DM23, EHV17, ILHH22, 'Sw19]. **Sturm** [GM17, Ram18]. **subdiffusion** [MS22]. **Subdivision** [CD15, Gon93, JZ04, Jia95, LP10, ADL11, CJ07, CCMM21, CZ19, CGR11, CGR13, CCS16, CGRS15, DM93, De 06, DLUS17, DLU19, DS13, FBCR13, GRV22, Gér19, GO05, GMS12, HW19b, JKLY13, LLY06, Lev99, MS12, Moo17, MH17, Nie07, Osw04, PK94, Pra98, PR99, RS01, RW21, WYW11, Zhe06, ZA10]. **subdomain** [CHS17]. **subgradient** [GH16]. **subgrid** [ZQS22]. **submanifolds** [Mai20]. **subpopulation** [Tyg23]. **subregularity** [AAFV19]. **subsonic** [KvL95, ZW22]. **subspace** [BPK96, GO95, PS23, XWL13, ZVW95]. **subspaces** [Atr12, BH19, BR23, GDB24, HLT11, LO08, LL11, SZ09]. **substructuring** [HH19b]. **suffer** [Spe23]. **Sufficient** [FS07, CZ19, MNPR06]. **sum** [CMP07a, Han10, JGW15, TZ05, WFL02]. **sum-of-exponentials** [JGW15]. **summaries** [Joh13]. **summarizing** [CL22]. **summation** [Pré94]. **sums** [Tor16, ZP19]. **Sumudu** [PM17]. **sup** [dFGAJN18]. **Super** [LL13, LT12, BlH23, ILHH22, JLM19]. **super-resolution** [BlH23, ILHH22, JLM19]. **Supercloseness** [Kum23, ZL17]. **superconductivity** [GS18]. **superconductors** [HX02]. **Superconvergence** [CZZ17, HSY16, LY08, Zha14, ZHY19, Gom95, HZZ20, HMM21, LLZ10, LL12b, MNC16, YL24a, YZ24, ZSB01a]. **Superconvergent** [YTL+20, YS23]. **superlinear** [GGRBRG21]. **superposition** [Nee96]. **supersmoothness** [FH20]. **SUPG** [Kno09]. **Support** [EPP00, CX06, CKK12, NSS04]. **supported** [CL16, CKK12, CHSS03, Hub12, JJK13, JS99, Lai06, LLS95, Len96, Wen95, Wu95]. **Supports** [CTZ02, KL15]. **suppression** [LO08]. **Surface** [Kra02, ABMM19, BX94, Ble07, Don20, EX20, FM14, FHN94, GN13, HFH+07, Jia11, KBL22, PCM+96, ZL16]. **surface/surface** [BX94]. **Surfaces** [JF02, SR02, ALADH+19, BST24, CW16, CC94, CLM02, CL18, DP13, Flo94, GU02, HFH+07, KK99, KP04, Leo02, LPSSP00, MT98, MJM23, O'N18a, PGM09, Pra98, PR99, RS01, ST23, WK20]. **surrogate** [BZ18, HQR23, KKL+22]. **surrogates** [EH24]. **survey** [CBK01, RT14]. **suspensions** [KCCV23]. **SVM** [ZJ06]. **sweeping** [Sto17]. **swelling** [LR19]. **switched** [GPAF18]. **Sylvester** [ZT14]. **symbol** [GP14, Plo95]. **symbols** [Nie07]. **Symmetric** [Han98, Han10, Jia03, Bai99, EEK21, JKLY13, JS95, Lee16, MC23, Nit22, WYW11]. **Symmetric/Antisymmetric** [Jia03]. **symmetries** [GH99]. **symmetry** [AD08, AG98, Awa13, BJMR24, CGKK21, Jia11]. **Symplectic** [NS21, DDP14, Ram95]. **synchrosqueezing** [LJL20]. **synthesis** [ZYY16]. **System** [Tan17, AMPT22, AK15, AGGAV+19, BBB21, BH23, BR15, DFOS23, DMS22, GQL24, GLO10, Gu17, Gu19, Gu20, HYHH21, KA97, LZ20b, LYF+21, LHH23, MRH15, MXO13, MS00, OS09, SC08, WaZL24, ZW22, ZJ23, ZL21, vdHdS97]. **Systems** [CMP03, ALADH+19, AMM20, AMS22, AZW15, Bai99, BGT20, BOP+15,

BFH+18, BCS19, BDYY20, BW20, BGW21, BGW24, Bes03, BMP+19, BKK17, BDM20, CS93, CCDL20, CEHK18, CTZ02, CR08, CKK16, CHL17, CJ24, CET21, Dad17, DHGA23, DLP98, FE15, GPAF18, GGW24, GDB24, GKM+20, HBH24, Hol01, JWJ23, JL19, Kac18, KKLY10, Kür18, LZZ09, Liu99, Mar94, MV01, MS98, NW22, RTV21, RGB18, Ryd19, SXYY06, SW04, Smo07, Tal19, TBG18, Tor16, UG19, WMY13, WMB13, WOBL17, dH94, dCB07]. **systolic** [AH96]. **syzygy** [CG19]. **Szego** [CMP07a].

**T** [ZD18, TMH21, ZWDD16]. **T-meshes** [ZD18, TMH21, ZWDD16]. **Table** [Mac94]. **Table-based** [Mac94]. **tangent** [HPP+19]. **tangentially** [MU14]. **task** [LMWX13]. **Taylor** [Del17, fLL05]. **Taylorlet** [Fin19]. **Tchebycheffian** [PW94]. **technique** [BHT11, CS93, FP99, Gil17, KH05, Ren09, SFDE15]. **techniques** [LZ21, Sor18]. **technology** [Tal19]. **temperature** [APK18, LK20, TTC21]. **tempered** [IY22, LD16, Qiu23]. **tension** [BRR18, CKM99, MR96, ZL16]. **Tensioned** [LM04]. **Tensor** [FP98, GO95, MRS22, MHR21, AAPCC24, CW19, CP15, DDLL23, Flo94, ILHH22, KK99, MB20, MJM23, RS19, SMK22, SSK24, YF23, YL24b]. **tensor-based** [ILHH22, SMK22]. **Tensor-product** [FP98, Flo94, KK99, MJM23]. **tensorial** [ZW23a]. **tensors** [WBY24]. **tenth** [TBD94]. **tenth-** [TBD94]. **term** [CC22, ILHH22, JLW20, Qiu23, RL07, Tem98]. **terms** [BBB21, CC94, Lóp18, MG19, Tha19, XZ03]. **Ternary** [GLM23, CCMM21]. **tessellations** [GS10]. **tesseral** [FM04]. **test** [Tad19]. **tests** [Mac94]. **tetrahedral** [FPT06, Kun01, SS04]. **Tetration** [Pau19]. **tetris** [CP14]. **their** [ByLl01, CLLS06, CSS98, yGS08, HLT11, HJYZ23, JGW15, KF19, NSW07, PŠWX03, RSA14, She08, Wat96]. **themes** [Hof06]. **theorem** [CKBP11, GGAVGG+19, Sch21]. **theorems** [GP14]. **theoretic** [RJ00]. **Theoretical** [BZ18, GRdSA19, ILHH22]. **theoretically** [Wie97]. **theory** [AM14, LL99, LS05, MNPR06, Ock96, 'Sw19, YZ23, dLdDSM07]. **there** [Sch21]. **thermal** [LK20, TBD94]. **thermistor** [YS23]. **thermo** [BBF+24]. **thermo-electromagnetic** [BBF+24]. **thermoelastic** [RCJ+23]. **thermoelectrical** [BGMS07]. **thin** [DD94, FP99, Joh13, LQW18, Ryn00, Yoo01, ZB99]. **thin-plate** [Joh13, Yoo01]. **third** [BD18, PM17, SM00]. **Thomas** [HCYY20]. **three** [BS05, BKM+21, GL23, GDMS21, HHX18a, HHX18b, HSY16, HH19b, JR23, JSW20, LLS96, LL98, LG13, LYF+21, LL07b, MSS02, O'N18a, RL07, WHS18, ZS24]. **three-block** [HHX18a, HHX18b]. **three-dimensional** [GDMS21, LG13, LYF+21, WHS18]. **three-direction** [BS05]. **three-field** [BKM+21]. **three-step** [ZS24]. **threshold** [Lee21]. **thresholding** [AL13]. **Tight** [BF03, BS06, CK03a, Jia03, PŠWX03, CCSS09, CHSS03, FWW06, Jia09b, LMO14, PWL20]. **Tikhonov** [HT11]. **tilings** [CTZ02, FPT06]. **Time** [DD94, TB16, VK96, AMK19, ALZ02, AGGAV+19, ANSZ17, Awa15, BlH23, BBF+24, BF11, BDYY20, BV24, BKM+21, CC22, CCP22, DFOS23, FMP22, FZLZ21, GL23, GS18, GQL24, GG06, GM24, GZW18, GHJZ23, GPG15, HQR23, HK21, HY18, HS20, JlLZ20, JLW20, KS23, KC16, Kür18, LSY24, Lem09, LA22, LSY22, LZ21, LZZ09, LHY08, LJ18, LZCW21, LL07b, LWX19, LJL20, MNC16, Onc14, PM17, Rau05, RS19, RST+14, Ryd19, SZJ21, SvVW22, TH19, gTpM02, TGA96, VW02, WW19, WY20, WLW23, Xu14, YX24a, YZLL24, ZPY15, ZY20, ZJZ21, ZCY20, ZW12, dFGAJN18, HL06]. **time-concentrated** [GG06].

**Time-dependent** [TB16, BKM+21, DFOS23, GS18, GQL24, HQR23, LZZ09, TGA96, dFGAJN18]. **time-domain** [GL23, LSY22, VW02]. **time-fractional** [AMK19, FZLZ21, HS20, JlLZ20, JLW20, LZCW21, PM17, WLW23, YZLL24, ZJZ21]. **time-frequency** [LA22, Onc14, RST+14]. **time-harmonic** [CCP22, FMP22, HY18, LHY08, LWX19, YX24a]. **time-invariant** [BDYY20]. **Time-marching** [DD94]. **time-periodic** [LZ21]. **time-space** [TH19]. **Time-stepping** [VK96, JlLZ20, ZY20]. **time-varying** [BBF+24, LJL20]. **timer** [ALZ02]. **TM** [LN14]. **Tocher** [LL98]. **Toeplitz** [WLW16]. **tokamak** [LAG+24]. **tolerance** [CHMR97]. **tomographic** [GL13]. **tomography** [HLN12]. **tool** [Sch15]. **Top** [DMMS11]. **Top-level** [DMMS11]. **topography** [ACM+22, CT17b, Don20, IL16, TTC21]. **topological** [Cho95, HLN12]. **topology** [HFH+07, ST23]. **Toric** [Kra02]. **torus** [Pot04]. **Total** [BL09, LM06, BCE+09, DGK15, DT12, FRT09, JZ10, KPY09, Maz01, PZ16, ZPR03]. **totally** [GP95]. **traces** [HJH12]. **tracking** [Tim21]. **tractability** [KSUW23, NSW16]. **traffic** [WBGG22]. **train** [CW19, SSK24]. **Training** [BE00, WFL02, KKP24]. **transaction** [ALZ02]. **transfer** [BGW24, HXC10, PCM+96]. **transform** [ANSZ17, BMB14, CCH+08, DLP98, Fin19, FW96, Lee21, LL12a, LJL20, MXY13, PM17, RST+14, SL05, SS13, TZ03, YCQZ24, ZS21, SF14]. **transformation** [SFDE15]. **transformations** [FWW06, PW24]. **transforms** [ADL11, DMT03, Dam07, HKR04, KXL24, Kei95, LM14, PST08, Ste98]. **Transient** [BGMS07, Awa15, BMSR+16, CT17a, LC13, VW05]. **transition** [HF19]. **translates** [AM14, CL12, LL99]. **Translation** [CGKK21, LSLS14, MXZ08, vdMNS03]. **transmission** [CJW22, DRS08, HKR21, HJH12, WBY24]. **transport** [BDM20, EBS22, GS22, HPS19, KBL22, LP21, LAG+24, Moo17, NKL+19, PM19]. **transport-based** [PM19]. **transport-hydrodynamic** [NKL+19]. **transportations** [LLLH23]. **transverse** [HW19a]. **trapezoidal** [IRT23, Nit22, Pla12, WM21]. **trapping** [MGSS22]. **traps** [ZD17]. **traveling** [Wan08]. **travelling** [She13]. **treatment** [Bes03, Hau97, Hol01, Tha19]. **Tree** [BDKY02]. **Trefftz** [BDM20, CHP19]. **Tresca** [DKK22, HKRS14]. **triadic** [ZA10]. **triangle** [AS02, yGW07]. **Triangular** [LLS94, CLZW13, DP13, SL05, WQP23, ZL17, ZW20]. **triangulated** [NSZ04]. **triangulations** [FPT06, NS04, Rem12]. **Tribute** [Sil99]. **Trigonometric** [RM19, CHS20, DLU19, DS13, KLNS95, LN14, LWY06, Pot04, Rau05, RSA14, SPS21]. **trimmed** [HFH+07]. **triple** [WHS18]. **triply** [Tor16]. **trivariate** [AS08, LL04, ZD18]. **troubled** [ZQ13, ZG16]. **troubled-cell** [ZQ13, ZG16]. **truncated** [CGW13, DKK22, HCF+21, Wan22, ZL24, ZTHW22]. **truncation** [BDYY20, GPAF18, Kür18, RDEG24]. **tryptophan** [CGDHRÁ+19]. **tubal** [AAPCC24]. **tube** [KRP19]. **Tucker** [AU20, CW19]. **Tucker-adaptive** [AU20]. **tumor** [PLRGVR22, ZST19]. **tuning** [Nes16]. **turbine** [FZ19]. **turbulence** [HF19]. **turbulent** [LAG+24, SBZR19]. **TV** [MSXZ13, RWT13]. **TVD** [BD18]. **twelfth** [TBD94]. **twelfth-order** [TBD94]. **twist** [FM18]. **Two** [ASS10, CLM03, CLCH19, CCH+08, CH22a, HN18, HCYY20, HL21, Jia03, Plo95, RF19, ZWZ19, BNP14, BJMR24, BDFS19, BSSM22, Bre95, Bün11, CGDHRÁ+19, Che02, CS94, Dad17, DLS14, FP99, GDMS21, GJW20, GGRBRG21, yGmW98, HKRS14, HT12, HCH20, HFH15,

JY22, JN18, KS17, KF03, LSY22, LS19, LD07, LK20, MR15, MS18, MR96, MS19, OS09, OP11, QX21, RH15, SM00, Sun14, Tha19, WZJ18, WG19, WZzS21, XZ01, YZLL24, YZ24, ZZP23, ZHzSR21, ZQ13]. **two-** [GDMS21]. **two-body** [HKRS14]. **two-cell** [Dad17]. **Two-dimensional** [CCH+08, BJMR24, GJW20, JN18, KF03, LK20, MR15, QX21, SM00, ZHzSR21, ZQ13]. **Two-grid** [CLCH19, CH22a, HCYY20, BNP14, HCH20, XZ01, ZZP23]. **two-level** [Bre95, HT12]. **two-phase** [BDFS19, BSSM22, Tha19]. **two-point** [yGmW98, KS17, LS19, MR96]. **Two-scale** [HL21, Plo95, CS94, RH15]. **two-sided** [MS18]. **Two-step** [CLM03, HFH15]. **type** [AN20a, Awa15, BR07, BS97b, BS97a, BS00, CGHK23, Chr15, CKP13, CSWP99, CN96, Cum96, CT17b, Dar03, DHO16, DOZ94, DY01, ECS18, Fra99, GO95, HH19b, JMO00, KXL24, KL07, LLS94, LLS96, LC21, LT12, LL07b, MSZ06, Maz98, PSNP11, RWT13, Sab04, SS04, SS96, TTC21, VNS18, WZL17, Wan23a, Wan23b, Xu14, Yan01, Yan03, YZ13]. **type-4** [SS04]. **types** [CGDHRÁ+19, LL98].

**ultra** [Jon17]. **ultra-precise** [Jon17]. **unbiased** [CC24, DM19b]. **unbounded** [BC20, CJN18, GZ13, LHY08, QWS24]. **uncertain** [ÇY23]. **Uncertainty** [GY00, GS22, GPS21, HSSS18, LSLS14, MSST14, RT14, WBGG22]. **Unconditional** [CLC16, WZJ18, YL24a, LMYL19]. **Unconditionally** [LZ20b, LGN22, SY19, YS23, WQP23, ZYB18, ZY20]. **unevenly** [LP14]. **unfitted** [YX24a]. **Unified** [ZW23a, Bar03, Grä12, Lee16, Wal95, ZW20]. **Uniform** [Che06, CLZW13, DGS18, LW03, Ram18, TZ07, ZW22, ACM20, Atr12, ANSZ17, DG16, DY01, HO17, Lev99, OP11, PRS24, Rem12, TMH21, ZD16]. **uniform-grid** [DG16]. **Uniformity** [LW03]. **Uniformly** [KXZ04, Par22]. **unimodular** [BD10]. **unions** [Grö03]. **Uniqueness** [GP14, JR23, DX20, ZYY16]. **unisolvent** [Cal05]. **unit** [CWLH95, FGMS19, GVSLN96, LM14, Leo13, Li08a, Li08b, Xu04a, Xu04b, zCFX07]. **unitarily** [vdMNS03]. **unitary** [DLP98, GLT93]. **unity** [CM12, CGKK21, DHWZ18, HL05, NSS04, ZSHZ15]. **univariate** [AL21, Fra99, GRV22, MH17]. **Universal** [CGG+20]. **University** [New96]. **unknown** [BR22, Wie15, ZPR03]. **unlearning** [HL96]. **unordered** [LS18]. **unorganised** [BLP02]. **unstable** [She13]. **unsteady** [BBB+16, DM19a, FZ19, GJW20]. **unstructured** [Hag98, Wie97]. **unsymmetric** [LLS09]. **updates** [AZW15]. **upwind** [Ang00, Wie97]. **upwind-discretizations** [Ang00]. **usage** [HV19b]. **use** [RSA14]. **Using** [Cas07, Lev99, ZRR23, Zoz15b, AAPCC24, AH96, BGH15, BGG24, BD18, BMP+19, BLV20, BR22, BR23, CLR19, CGW13, CH22b, Dou94, EHV17, FF95, FGS16, Fin19, FHN94, FS98, GGAVGG+19, GO05, yGSlX03, HFH+07, IUV17, KL19, Le 05, LW14, LLY06, Li05a, LN19, LZY98, LWL17, MB20, MNW99, MNW04, PTC12, PSW24, RLGGAV19, RWT13, Ryd19, Sch09, SS08, WL12, WZL17, YLBL12, Yoo01, ZB99, ZPR03, ZT15, Zhu15]. **utilizing** [GH18].

**validated** [HBM03]. **validation** [HL96]. **Vallée** [SU22]. **value** [ABI15, CWX12, CJW22, EH24, FK98, FK10, GM14, yGmW98, HH15, Kac18, KS17, LKT18, LS19, MR96, RGB13, Rip99, Sch11b, WY20, vdH93]. **valued** [CMSS23, Füh08, Fus08a, Fus08b, GMB97, GKS21, HHS04, IB17, Low05, Sid20, XKY15]. **values** [CLM03, Fou23, HX21, KSUW23, MC10, Tyg23]. **Vandermonde** [Maz98, Tom96]. **Vanishing** [Füh16, BP93, CHR00, CHSS03, CaL06, GT14, Wan19]. **VAR** [ANGV19]. **Variable**

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