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$(0, +\infty)$ [DO18]. $(0, 2)$ [Lén06]. $(1, 1)$ [GS06]. (l) [SF93]. (n) [BR08]. 1 [Bar06, NP20, RVL24, XS20]. 2 [BLM06, CP03, HKKR18, Mar07, Mar11]. 3 [BLM06, BB01, BRC+16, BHRT03, ORT23, TV07]. 3500 [JC06]. 9 [Kou97]. $[-1, 1]$ [BCGAM08, OR21]. ${}_1\psi_1$ [Sch06]. ${}^{\gamma}_{\delta}\Phi$ [Lei19]. ${}_{\lambda}$ [Mit23]. ${}_q(1, 1)$ [Arv06]. ${}_q(2)$ [Arv06]. A [AR07]. A, V [AR07]. α [JN07, VC14]. C^0 [BW12]. C^n [PP06]. e^z [VCL08]. ℓ^p [CRZT20]. ℓ_1 [DdSV20]. $\exp(-\tau A)b$ [SSS10]. F [GN16, Zha04]. $f(A)b$ [MR17]. $f^{(2,2)}$ [SS23]. $H(\text{curl})$ [Cal15]. $H(\textbf{div})$ [Hip97]. $H - LU$ [LO07]. $H_2([0, T], \mu, R^d)$ [Sch03]. H_∞ [CKP15]. k [MSV95, PQRT06]. L [CHR02, KR20, RMH22]. L^2 [Bar06]. l_1 [Ger17]. Λ [COSV93]. M [BU07]. R^4 [JO14]. MR^3 [WL11, WL12]. N [ÁNCQ06]. $N(II)$ [BMSR06]. $N \leq 4$ [Meu12]. P [ZB10, Car11, Car12, DSA22, HLV24, Pry14]. ψ [AR07]. Q [MM99, Arv06, AK06, EMJ16, IL06, Ost10, Psa04, Roz06]. $q > 1$ [Ost10]. Q_1 [MC05]. qd [WL11]. QR [AMVW15, FXG19]. QZ [VW13]. R [Lub06]. R^3 [DGH14]. R_d [She04]. s [IE17]. Θ [BB00]. $U_q(so(5))$ [Roz06]. V [Zha04]. $W^{1,\infty}$ [DLM23]. $x^T A^{-1} y$ [FMR15a]. Z [BHRT03].

-Bernstein [Ost10]. **-biharmonic** [Pry14]. **-classical** [MM99]. **-continued** [IL06]. **-control** [CKP15]. **-curve** [CHR02, KR20]. **-cycle** [Zha04]. **-cyclic** [HLV24]. **-D** [BRC+16, XS20]. **-eigenpairs** [CRZT20].

-estimates [DLM23]. **-fractal** [VC14]. **-Hahn** [Arv06]. **-interpolation** [EMJ16]. **-matrices** [BU07]. **-methods** [BB00]. **-norm** [DSA22]. **-numerical** [Psa04]. **-orthogonal** [Roz06]. **-pinch** [BHRT03]. **-point** [Kou97]. **-polynomials** [AK06]. **-regular** [ZB10]. **-regularization** [Ger17]. **-smoothing** [GN16]. **-step** [IE17, MSV95]. **-th** [ÁNCQ06]. **-type** [DdSV20, Lén06, WL11, Lei19, RMH22].

/9 [dJvdPDV17].

4D [TP24]. **4D-Var** [TP24]. **4th** [Mar07, Mar11].

5- [dJvdPDV17]. **5-/9-point** [dJvdPDV17].

75th [GOR+08].

9-point [dJvdPDV17].

a-posteriori [Gat04]. **a-priori** [BB20]. **Abel** [MG14, Mok15, Mok16]. **Abel-type** [MG14]. **Aberth** [CG22]. **absorbing** [GJO23]. **abstracts** [Ano09a, Ano10b, Ano13a, Ano14c, Ano15b, Ano15d, Ano16, Ano17b, Ano17c, Ano18c, Ano19a, Ano20c, Ano20d, Ano21a, Ano22c, Ano22d, Ano22e, Ano23a, Ano23b]. **accelerated** [BGP04, Che99, DdSV20, SSVS12]. **accelerating** [WNK18]. **Acceleration** [AS09, AS05a, BK13, GZLC22, Lóp16, Val19, WO97, Xue22]. **Accumulation** [Ore10, NU05]. **accuracy** [Ful03, Ves96]. **accurate** [Bra00, CG22, EBJ21, MACI06, TC08, WLR02]. **acid** [SM20]. **acid-mediated** [SM20]. **ACMS** [HKKR18]. **acoustic** [HL20]. **action** [AS05a, XX23]. **adapted** [Val19]. **Adaptive** [BFK+10, DDS+18, JOT08, KKR18, MSV95, Wac13, BMS08a, BMM97, BRS08, CW16, FFK+15, Ful97, GS24, JG14, KCW18, KRR16, MR18, NP96, PD17, KNS19]. **Addendum** [BBF+00a, Rum20a]. **Additive** [BGyS21, MR18, Bre03, DHI03, FSS97, Han06, Mar07, MP08, Par21]. **Addressing** [BC05]. **ADI** [BMS08b, BKS15, Kür19]. **adjoint** [BFM12, GS15, GHS14, HSR23, KK08, Neu16]. **admissible** [DTM17]. **ADMM** [FTRH20]. **ADMM-Softmax** [FTRH20]. **Advancing** [PLM03]. **advection** [PP22]. **advection-diffusion-reaction** [PP22]. **against** [BP07]. **aggregation** [ANN22, BDH15, Ema10, MMP09, NP19b, Not10]. **aggregation-based** [ANN22, NP19b, Not10]. **aggregation/disaggregation** [MMP09]. **aggressive** [BFH+15, TV18]. **ahead** [GH94]. **air** [LHL+20]. **airfoil** [RFHS08]. **al.** [Pej23]. **Alan** [Pot05]. **algebra** [AAS21, DENP09, FMR15a, Gau02, SPSC23, Sus07]. **Algebraic** [BBKL15, EMS09, NP19a, Pop08, ANN22, AO10, ABM93, Aré09, AS22, Bra00, EMS13, GK21, GS24, HS08b, HJ09, JN07, JC06, KLRW19, KM96, KM07, LC14, LT18, Man03, MN08, Meu01, Not10, OWC+22, PMLFT09, PGH11, Rom07, Sch93]. **algebras** [Arv06, JO14, JO17, Opf15]. **algorithm** [ABM93, AMVW15, BEG15, BR14, Bar05, BK13, BP03, BW12, Bun97, BMX07, CL03, CdlHG24, Die97, Dis97, Faß96, Faß07, For02, Gan04, HMRS04, HJ09, JC17, Kal20, Kou97, Kre05, LV08, LDB13a, LDB13b, LC14, Man08, Osb08, PPS18, ŠT22, Ste97b, Tif11, Tu05, Tu07, TW16, VW13, WNK18, WLHH18, WL11, WL12, YNYF15, ZC19, LPP23]. **algorithmic** [Koe99]. **Algorithms** [LZ08a, Aur15, BR08, BDKP22, CW16, CMVW20, Cha11, CS94, DDR95, ENH10, Els05, FI20, GKM16, IN11, JVV12, KCW18, MR18, MH01, Pav99, PCP06, RKvdDA14, STX23, TWZ20, Ves96, ZX17]. **aligned** [Dis97]. **all-at-once** [BEFSC23, GW19, HSC23]. **Almost** [Ade17]. **along** [Dos08, Sch05]. **Alternating**

[HNP10, CR23, WNK18, ZM13]. **Alternative** [Che06]. **American** [Oos03]. **American-style** [Oos03]. **AMG** [Ema10, GN16, Haa00]. **AMGr** [GN16]. **Ampère** [DG06, Nei14]. **amplitude** [GSW08]. **anaerobic** [SCCJC09]. **Analysis** [AR07, BSS09, BDH15, BDKP22, Bre03, CG18, ELT21, FCA21, FK08, HLP10, KM20, LMN10, NV19, RMH22, Sch93, TWZ20, Xu06, AM11, Ahm19, AK20, AAS21, AAA20, ACS00, AK10, BBD+08, BB20, BJR+09, BJM22, BDR09, Bin24, BEFSC23, BF12, CMO18, CCDR08, CC00, Che97, DNV05, DN11, DSC08, FJMS06, For02, FH13, GS07, Gau02, GGM12, GO10, Han21, HHP13, HLNT18, HR14, JS18, Kin11, MB06, MC05, MH01, MX96, MX97, Mez23, MG14, NP19a, Nei14, PLM03, RVL24, SAA09, SM20, SG94, WD08, XS20, YNYF15, Yan98]. **analytic** [AAH22, DDPS20, JKM+22, JJ10, MY02, MR93, MPS18, Ost10, Pej23]. **analytical** [ÁNCQ06]. **Anderson** [Xue22]. **Andoyer** [Bre94]. **Anger** [LP17]. **angle** [GMT16]. **anisotropic** [ADM07, BBKL15, CL03, DGP99, MC05, Mav97, NC06]. **annihilation** [Lor99]. **announcement** [PQRT06]. **ANOVA** [HBS22]. **ANSYS** [PLM03]. **anti** [Ahm19, Cab07]. **anti-palindromic** [Ahm19]. **anti-periodic** [Cab07]. **Any** [DTM17, Sch16]. **AOR** [FMP96]. **Apostol** [KS18]. **Apostol-type** [KS18]. **Appell** [LP08]. **Application** [HLV24, OR11, ZK17, Bor09, CMM95, GW10, HLC10, KM08, KLS17, LP17, LKF08, Oos03, Sim10, LP08]. **Applications** [Bar11, BGSC20b, BGSC20a, BJR+09, BB01, BCDI15, BRC+16, BCDV06, CMP01, EMJ16, FXG19, FvdM21, FLMT05, FMR15a, HSR23, KZ07, NNR99, OWC+22, OS98, RÁRP06, Sch22, She10, YHL+20, ZM13]. **applied** [BB20, BDG04, DS11, EMS13, FS08, JO05, LR16, MST08, PGH11, Ste21, TV07]. **approach** [AM06, Arv06, Bor09, DG06, DDN23, FJMS06, FMSV08, FTRH20, GW10, HHP19, JL23, KKR20, KS18, MM99, MHC22, MS08, PMLFT09, PV24, TMS97, Tif13]. **approaches** [HQR22]. **approximants** [Bar06, DDRS23, Zho06]. **Approximate** [Kür19, SV10a, BL08, CFM+10, ET09, LN10, MPV13, MPV15, MM21, WA08]. **Approximating** [Ash17, vBHS14, BR08, XX23]. **Approximation** [DP20, GSW08, GRS00, Ned20, PS22a, VCK08, Yam06a, AR09, AMRT06, ABH17, BEG15, BY98, BK06, BLM06, BSS09, BCDO18, BEJ+18, BKK+18, Bor09, Del02, ER01, ERS17, Faß96, FFK+15, FP01, FMR15b, GJO23, GCPP99, HLX14, KM20, LT14, Lub06, Man03, MJ11, Mas02, MMN18, MO24, Mok16, Nal19, NP20, Nav05, Ost10, PV22, Rap06, SPSC23, ST08, Sch03, SG98, SJB23, VB95, VC15]. **Approximations** [BFdP+18, FLMT05, Fro09, Kha06, RV08, WA08]. **arbitrary** [LO13, LWH20]. **arcs** [BDD06]. **area** [Leo06, Leo09, VA09]. **argument** [GRS00]. **arguments** [Pea15]. **arising** [CCC07, DE06, EMS13, LX23, NB08a, NRS17, Woh00]. **arithmetic** [DDR95, Lau08]. **Arnoldi** [EMS09, EHJM17, GN13, HS97, HJ09, Mee98, Meu15]. **arrays** [Dam02]. **artificial** [HQR22, PS22a, SSBS22]. **aspects** [FM02, PV22, SAA09]. **assessment** [BBD18]. **assignment** [CC00]. **associated** [Arv06, EV93, HS12, MS06, PV22, SG99, Sta02]. **asymptotes** [BEG15]. **Asymptotic** [AD04, BKS18, DB08, FLMT05, GST20, Kou97, Dam02, DT09, SPSC23]. **asymptotical** [BSCT22]. **Asymptotics** [HC05, MFMGO05, Sta02, Man06]. **Asynchronous** [CCS23, FSS97, BMPS95, GMS22, SME02]. **atmospheric** [Auz18, RS21]. **atom** [RR07]. **atomic** [TT05]. **atoms** [ÁNCQ06]. **Augmentation** [BG24].

Augmentation-based [BG24]. **Augmented** [Neu19, AVV14, DG06, Gat07, RS21, Soo22, Zít08]. **automatic** [Sch08b]. **autonomous** [HHO14, PV24]. **average** [MR18]. **averaged** [DRST16, DDRS23]. **avoiding** [CKD15]. **aware** [Sil03]. **axisymmetric** [CO20, KMC11].

B [KK08, ZK17]. **B-spline** [KK08]. **B-splines** [ZK17]. **backward** [AD09, GJV13, NRV21, PBP22]. **bacteria** [SCCJC09]. **Bakhvalov** [NV19]. **Bakhvalov-type** [NV19]. **balancing** [BM05, Wat06a]. **balayage** [Göt06]. **ball** [BLM06, Xu06]. **Banach** [CMO18, MH22]. **band** [EH23b]. **bang** [Wac13]. **bang-bang** [Wac13]. **barrier** [NV19]. **barrier-function** [NV19]. **barycenter** [OR11]. **barycentric** [BE22]. **Barzilai** [HNP10]. **based** [ANN22, Bar11, BHN13, BB08, BBK18, BDR09, BDH15, BG24, BFK+10, BD20, CP00, DK13, EL05, EHJM17, FCA21, Gat04, GSV12, GN16, Gut12, HKKR18, HRT08, HK14, HLP10, HLP15, HLC10, JC17, KL21, Kin11, KLRW19, KL18, Lam10, LMR15, MM21, MJ11, MSCU21, Mit23, NP19b, NP96, Not10, PV24, Tif11, WL22, YG08, YCS22]. **bases** [Fer05, MS06, PCP06]. **basic** [FM02]. **basis** [DP20, GSV12, HOR08, KCW18, KKR18, KKR20, LW06, WE13, WA08]. **BDDC** [BPS17, CW16, HKLW20, KCW18, KKR18, KLRW19, KKR20, PD17, STX23, Tu05, Tu07, TW16, TWZ20]. **bearing** [RWOS21]. **Behavior** [LM00, Böt04, DB08, KS06]. **behaviour** [FP01, GJV13]. **Beijing** [LHL+20]. **BEM** [HLP15, Kol12]. **BEM-based** [HLP15]. **Benchmarking** [Ema10]. **bending** [SG94]. **Beowulf** [FO03]. **Bernoulli** [HMRS04]. **Bernoulli-like** [HMRS04]. **Bernstein** [BCGAM08, DRST16, Gau10, Ita06, Lub06, Nal19, Ost10, Sch22, WA08]. **Besov** [Tik05]. **Bessel** [Man06, Rap06, Ste02]. **best** [BLM06, Bar06, Kha06, Mas02, Ran07, Van07]. **beta** [BH20, LWH20]. **Beta-type** [LWH20]. **between** [ACH22, DLS21, Gau02, LMS09, Mee98, SK06, ZY13]. **beyond** [VW13]. **Bezoutians** [ER14]. **BFGS** [ABHK09, SHH+12]. **biased** [BCDO18]. **BiCG** [CJS23]. **BiCGSTAB** [EJS03, SF93]. **bidiagonal** [WL12]. **bidiagonalization** [BP23, CHR02, HRT08, ZX17]. **Bidomain** [GGM12]. **bifurcating** [HQR22]. **bifurcation** [SY09]. **biharmonic** [BGS10, CPS18, KRZ16, Pry14, Zha04]. **bilinear** [FMR15a, Kim07b]. **binary** [KM08]. **Binet** [GM18]. **Binet-type** [GM18]. **Bingham** [AVV14]. **binomial** [GST20, JN10]. **bio** [LKF08]. **bio-heat-transfer-equation** [LKF08]. **biofilm** [DE06]. **Biorthogonal** [VVV19]. **Biot** [AS22, HK18]. **biperiodic** [HR14]. **birthday** [GOR+08, RS14]. **bisection** [DDR95, EH15, EH23a, EH23b]. **bisection-like** [DDR95]. **Bivariate** [BCDV06, MM09a, SS23]. **Block** [BGSC20b, BGSC20a, Bar15, BU07, CFM+10, FLS17, Val19, WL11, AHS17, ABA20, AK10, BDKP22, CR23, CS99, DN11, Dub01, ELT21, EJS03, EMS09, EHJM17, Fat98, GGM12, HK17, HJ09, HSC23, HN08b, KN03, KLS17, Lam08b, MPV15, MJV20, MZLG14, NZ14, SS09, SST23, Soo17, TZ17, TLF07, ZN23, LZ08b]. **Block-proximal** [Val19, MJV20]. **block-triangular** [GGM12]. **block-tridiagonal** [CS99]. **blocks** [BG24, Gre04, GS06]. **blow** [CO20, NB08b]. **blow-up** [CO20, NB08b]. **blur** [Bar05]. **bodies** [Kro06]. **Bohemian** [BSCT22]. **Boltzmann** [CL03]. **Boost** [LPP23]. **Boosting** [PMLFT09]. **Borges** [JST18]. **Borsuk** [AFHM04]. **Borwein** [HNP10]. **Bouligand** [CN19]. **bound** [COSV93]. **boundaries** [VK95]. **Boundary** [ET09, KL12, AAN20, Ash17, BHN13, BK16, ČF18, Che99, Che09, DB08, DLM23, ER01, FFK+15, GJO23, GN14, HJ08b, HL20,

HLP10, JSB23, KK08, Lam05, LMN10, Mar18, MST08, Nas15, Sch08a, SJB23, SZ20]. **boundary-value** [Che09]. **bounded** [AR07, HT24, MO24]. **Bounds** [Sch02, Vos99, AD04, Bea98, BR08, CHR02, CGT05, CKP15, FSS18, GS24, HS21, JKM+22, Leo09, LR16, LKRO24, MPS18, PP08, Pej23, SST23, Sch22, TV18]. **Bregman** [DdSV20]. **broadcasting** [YHL+20]. **Bruijn** [COSV93]. **bubbly** [TV07]. **bucket** [AO10]. **bucket-sorted** [AO10]. **bulges** [Kre05].

Cache [DHK+00, Sil03]. **Calculation** [Kan08, BL08, HLC10]. **calculations** [SK06]. **cancer** [SM20]. **capabilities** [PLM03]. **capacity** [HNV24]. **capillary** [HT24]. **Carathéodory** [ST08]. **cardiac** [CLP20]. **Carlo** [DSA22]. **Cartesian** [ABC23]. **Cascadic** [LH12]. **case** [BGSC20b, BGSC20a, BL08, DHW23, HS08a, HS08b, LDB13a, LDB13b, LT05, MX96, MX97, Ost10, TLF07, Wat06a]. **cases** [TT05]. **Cassini** [VK99]. **Cauchy** [BMP09, CR96, Drm15, JR02, JR04]. **Cauchy-like** [BMP09]. **Cayley** [AMVW17]. **CCFD** [FCA21]. **cell** [MM09b, VA09]. **Center** [Bra97]. **centrosymmetric** [ER14]. **certain** [ABBS07, Arv06, BMP09, LR24, Nov05]. **certificates** [Mit23]. **CFD** [Ema10]. **CG** [BK02, LT05]. **CGNE** [Neu19]. **chains** [BBD+08, BU07, BKK+18, CG18, FMSV08, HMRS04, Jac10, Tif11, Tif13]. **Chan** [Zei99]. **change** [KCW18]. **changing** [Fra21]. **channel** [Kan19]. **Characteristics** [Tik05]. **characterization** [GS94]. **Characterizations** [HSR23, LV22]. **characterizing** [SS08]. **Chebyshev** [BK13, CJS23, FP01, GN16, HH93, LN20, WR09]. **Chebyshev-like** [HH93]. **Chinese** [YHL+20]. **choice** [CW16, Kin11, Kin13, Wu03]. **Cholesky** [BBF+00a, BBF+00b, GM04, RT05]. **Cholesky-like** [BBF+00a, BBF+00b]. **CholeskyQR2** [YNYF15]. **Christoffel** [DK10]. **Ciarlet** [YG96]. **CIP** [Sch08a]. **circle** [Bar06, BDD06, BCDI15, CBGV05, Gau06, Gla08, MS14, SL12, Sin95]. **circles** [Roş09]. **circuits** [KJ09]. **Circulant** [Ng97, WL22]. **circular** [CMR12, HNV21]. **citation** [BDR09, BF12]. **citation-based** [BDR09]. **class** [ABBS07, ENH10, JG14, JL23, LT18, MFMGO05, MJV20, SPSC23, Tik05]. **classical** [Gau02, HK18, LZ07, MM99, RS12]. **Clenshaw** [Maj21]. **closure** [KB22]. **clusters** [FO03]. **Coarse** [KKR20, HKKR18, HKLW20, KRR16, KLRW19, MR18]. **Coarsening** [AO10, GK21, Bol08, Bra00, BFH+15, Dis97, Mav97, Spr02, TV18]. **coefficient** [JL23, Lam05, SCCJC09]. **coefficients** [LDB13a, LDB13b, LH12]. **Coercive** [SZ20]. **Cohn** [HLV24]. **coin** [BCDO18]. **Collocation** [GSV12, JR04, JKM14, AS14, ACS00, ER01, JR02, KK08, KL12, LR16, LN20, OR21, PGH11, YG08, ZK17]. **column** [PCP06]. **Combinatorial** [PCP06, Tif13]. **combined** [BKK+18, MHC22, PPN13, RMH22, SSVS12]. **common** [GM22]. **Communication** [BM05, CKD15]. **communication-avoiding** [CKD15]. **commutator** [ET09, Pea15]. **commuting** [She10]. **Comonotone** [VC15]. **compact** [GGCT09, Ger22, HM22, PSC97, SSVS12]. **compact-WENO** [GGCT09]. **companion** [BDG04]. **Comparing** [Spr02]. **Comparison** [LMS09, Sta03, Ful97, HQR22, HSKR22, JVV12, KRR16, LMM12, Mee98, RV08, VW97]. **compensated** [CG22]. **complement** [KLS16, Zha00]. **complementarity** [Oos03, WL22]. **complements** [GJO23]. **complete** [Meu12]. **completion** [LM20, RKvdDA14]. **complex** [AM11, BMX99, Ber04, KP13, KM17, PPS18, SF93, SHZF08, TT05, VCK08].

complexity [BMS08a]. **component** [HK14]. **composite** [HM22, SMS+19]. **composition** [GZLC22]. **compositions** [Ger22]. **compressible** [Ema10]. **compression** [CH22, MB06]. **Computation** [ACR99, Car12, DMS23, GM22, HRV13, KMC11, Nar18, Bin24, Bra97, CG22, CdlHG24, KLS17, MS14, MVV09, MR93, Mit23, MACI06, Nov05, Sch08b]. **computational** [EHK22, PSG+23, SAA09]. **computations** [BC05, DS11, EH15, FO03, HS08b, KS00, ST02]. **compute** [ŠT22]. **computer** [NND06]. **Computing** [AMVW17, JO07, LY14, MPV13, MPV15, SSS10, TSM+21, BFM20, IN11, JVV12, KQT13, KM08, LWH20, MV15, MH01, NNR99, OS15, PCP06, TC08, VVM09]. **concerning** [EP07]. **Condition** [AK10, MS06, BP07, DB08, Kin22, Sim10, Zha01]. **Conditional** [AS14, BBK18, Dis97]. **conditioned** [Kin13, Peñ04]. **Conditioning** [LX23, Men22]. **conditions** [BHN13, BKO17, ČF18, Che09, ET09, GJO23, Gat07, HL20, JSB23, MST08, Neu16, Sch08a]. **conductors** [BHRT03]. **cone** [Kin22]. **confidence** [NO02]. **configurations** [vBHS14]. **confluent** [DT09, LR04]. **Conformal** [CMR12, HNV21, DMS23, HNV24, LT94, SL16]. **conjecture** [KV95, Zei99]. **conjugate** [CKD15, Dub01, GJV13, KN03, NP96, SST23, ST02]. **connected** [ACH22, CMR12, DK10, DMS23, HS12, SL16]. **connections** [KKR20]. **considered** [Lau08]. **consistent** [Aré09, BKS18]. **consolidation** [HK18]. **constant** [COSV93, HR06, LDB13a]. **constitutive** [Mál08]. **constrained** [Bar05, Bar11, QvGvW+15, Ran07, VC14]. **constraining** [LMSY14]. **constraint** [CLRS04, JOT08, RZ12, TP24]. **constraints** [CW16, KCW18, LMM12, Ram08, RR10]. **Constructing** [ACH22]. **Construction** [JST18, XBC19]. **constructions** [HR06]. **constructive** [BMFJ+06, MJ11]. **contact** [GHK+22, RWOS21]. **contemporary** [JVV12]. **contents** [Ano09a, Ano10b, Ano13a, Ano14c, Ano15b, Ano15d, Ano16, Ano17b, Ano17c, Ano18c, Ano19a, Ano20c, Ano20d, Ano21a, Ano22c, Ano22d, Ano22e, Ano23a, Ano23b]. **context** [LO13]. **continued** [IL06, Khr06, LB96]. **Continuous** [BB00, BMSR06, Fra21, CKP15, HJ09, KQT13, Lor99, Man06]. **continuous-time** [CKP15, HJ09]. **contour** [ST08]. **contractive** [Xue22]. **contribution** [Men22]. **control** [CKP15, DSSS13, Kol12, PW13, Pea15, SW21, Wac13]. **controlled** [BKO17, DJ06a]. **convection** [BZ03, ELST18, FK08, Kou97, MST08, PSC97, PW13, RV08, WLR02]. **convection-diffusion** [ELST18, FK08, Kou97, MST08, PSC97, PW13, RV08, WLR02]. **Convergence** [BEN94, Che09, ELST18, FS08, Ger17, HK17, HHP13, HP20, HR14, JS18, Kin11, KP24, KL18, MC05, MMP09, MH22, MG14, RR10, RVL24, Yan98, Zha04, ZN23, Ade17, BK02, Bog05, BMS23, ENH10, EBJ21, Fat98, FFK+15, FP01, Fro09, GS23, HLV24, Kin13, LT05, Mas06, MN08, NR14, OS98, Par21, PSS99, RMH22, SST23, Sch16, SG94, Ste02, TV18, Xue22]. **convergent** [BPP15, BMS08a, Bra06, HMRS04]. **converging** [Rum20a, Rum20b]. **converse** [CC97]. **convex** [BEG15, BSDMGFTR09, BSS09, For02, Kro06, MJV20, RZ12]. **convolution** [CdlHG24, NND06, Ng97, Yam06a]. **convolution-like** [Ng97]. **convolutional** [EHK22, GZLC22]. **coordinate** [Gut12, Yam06b]. **coordinates** [SJ08, SSVS12]. **coquaternionic** [JO14]. **coquaternions** [JO17]. **correction** [GK14]. **correctness** [DDR95]. **corrector** [PPN13]. **countable** [AK06]. **counterexample** [SS08]. **Counting** [KP13]. **coupled** [GSV12, HJ16, HR14, HC06, NRS17]. **coupling** [AAN20, GS07]. **course** [Gan08].

CPU [JO08]. **CPU-GPU** [JO08]. **Creating** [AH12]. **Creation** [Lor99]. **criteria** [ABBS07, AL08, HJV18]. **criterion** [Wih23]. **critical** [Kan08, Kan15, Kan19]. **Cross** [BB08, GS16]. **Cross-Gramian** [BB08]. **Cross-points** [GS16]. **Crout** [LS05]. **Crouzeix** [LMR15]. **CT** [Bar11]. **Cubature** [OSLS20, ABC23, Van19]. **cubic** [MYZ18, VC15]. **cumulative** [GST20]. **current** [AR07, AAN20, Kol12]. **Curtis** [Maj21]. **curvature** [CHR02]. **curve** [CHR02, KR20, Sch16]. **curved** [AR09]. **curvilinear** [Yam06b]. **cusps** [HNV21]. **cut** [SG99]. **CutFEM** [DLS21]. **cutting** [MHC22]. **Cvetković** [GL23]. **cycle** [Zha04]. **cyclic** [HLV24, HK17]. **cylinder** [SG99].

D [BLM06, BB01, BRC+16, BHRT03, CP03, HKKR18, Mar07, Mar11, ORT23, RVL24, TV07, XS20]. **DAE** [BKO17]. **DAE-index** [BKO17]. **damped** [ZY13]. **Darboux** [BD04]. **Darcy** [AM06, GS07, HJ16, LMS09]. **Data** [PS22b, RKvdDA14, BB08, CGB22, DdSV20, DdAR17, FFK+15, GK08, GK14, HW22, Sil03]. **Data-driven** [PS22b]. **data-sparse** [BB08]. **dataflow** [EL05]. **Davidson** [HN08a, SvdVM98, SS98]. **Davison** [Sad15]. **Deautoconvolution** [DHW23]. **deblurring** [BHN13, BBDR22, BD20, DFG23, HJ08a]. **Decay** [BR08, Sch22, FSS18]. **decaying** [PMLFT09]. **Decomposition** [GZLC22, BBD18, BP03, BGyS21, CW16, CS94, CCS23, Dub99, FXG19, FKSV07, Gan04, GS16, GS24, Haa00, HJV18, Hen94, KRZ16, LO07, LNG15, MM04, PP22, Pav99]. **Decompositional** [BBD+08]. **decompositions** [HBS22, MR93, Peñ04, RY15, Ste95]. **decoupling** [HL22]. **decrease** [Dos08]. **dedicated** [GOR+08, RS14]. **Dedication** [Pot05]. **deep** [GZLC22, YCS22, MLR22]. **deferred** [GK14]. **deficient** [SGG15]. **defined** [Cot06, VS22]. **definite** [CMP01, FSS18, GMT16, LT05, LZ07, Pan19, ZB10]. **definition** [Kno08]. **deflated** [MZLG14, WE13]. **deflation** [BP23, CKD15, Gut12, KKR20, MX15, TV07]. **degenerate** [DE06]. **degree** [Bar06, Gla08, HM22, Ran07]. **delay** [CDN09, FMMS08, FL07, GN14, KS06]. **denoising** [BBK18, FCA21, FM02, LMSY14]. **dense** [Che99]. **dependency** [WD08]. **dependent** [BD17, GHK+22, HOR08, Lam08a]. **deposition** [MM09b]. **Derivation** [Lam08a]. **derivative** [AG19, Car11, Car12, PBP22, SS23]. **derivatives** [BK06, LWH20, PQRT06]. **derived** [Gre04]. **descending** [TDLC09]. **descent** [AEEG08, LMM12, NZ14, Ste21]. **described** [Mál08]. **detection** [FL07]. **detective** [Lau08]. **determinants** [Sch02]. **development** [GRS00, Pea15]. **developments** [FLMT05]. **devices** [SMS+19]. **DGFEM** [FK08]. **diagonal** [VVM09]. **diagonalization** [KP24]. **Diameter** [Leo09, Leo06]. **diffeomorphisms** [ACH22]. **difference** [ÁNACS07, Bra06, Cab07, CP00, CP03, CO20, FMR15b, Mar18, MS07, RR07, RV08, SK06, SJB23]. **differences** [BRC+16]. **different** [DJJ11, HL22, LMS09, Zha01]. **differential** [Aré09, AS22, BSS16, DMO23, Die97, EBJ21, FL07, GJV13, JN07, KS06, Khr06, KM20, KM96, KM07, LT18, MYZ18, MFMGO05, NRS17, Ore10, Sch93, Sch05, SCCJC09, SW21, ZW22]. **differential-algebraic** [Aré09, AS22, JN07, KM96, KM07, LT18, Sch93]. **differentiation** [Aur15]. **diffractive** [VS22]. **diffusion** [BZ03, BHRT03, BBKL15, DE06, ELST18, EG06, FK08, FMR15b, Kou97, LDB13a, LDB13b, LR16, LK21, MST08, MSCU21, PSC97, PP22, PW13, RV08, SM20, WLR02]. **Dimensional** [EEM24, ÁNCQ06, BGHD22, Bre03, CDV23, DHW23, HK14, NP20, RV08]. **dimensions**

[Cal15, DG06, Hip97, Kim07a, KRR16, KL12]. **Direct** [CDN09, BFM20]. **directed** [CEHT10]. **direction** [ZM13]. **Directional** [Mav97]. **Dirichlet** [DG06, For02, GKM16, Gat07, SW21]. **disaggregation** [MMP09]. **Discontinuous** [EDG+15, Pry14, BB20, HLNT18, JS08, LDB13a, LDB13b, SMS+19, TW16, TWZ20]. **discrepancy** [Jah22, VCL08]. **Discrete** [Bre04, Che99, DGH14, FKK10, LO13, AL09, BL06, Bor09, BOR23, CR15, Faß96, Lor99, Pry14, STO08, VB95]. **Discretization** [Kin13, BHRT03, DLM23, DE06, GS07, GS16, GLMT21, HL20, LMS97, Lis08, LMR15, Mar11, PSC97, Tu07, Wac13, WLR02]. **discretizations** [EDG+15, KM07, LMS09, Mar07, TW16, TWZ20, Woh00]. **discretized** [CH22, ELST18]. **discretizing** [Che94]. **disks** [HNV24]. **disordered** [BFK+10]. **dispersion** [Kle08]. **Displacement** [CNP94, LM20]. **distance** [BBKL15, MS14, NPR08, Nos23, Smi10]. **distributed** [AH03, BEFSC23, FMR15b, Kol12, MSCU21]. **distributed-order** [MSCU21]. **Distribution** [Pri06, SPSC23, Dam02, GST20, LMSY14, SK06, SK08]. **distributions** [Nar18, TT05]. **divergence** [NC06, Ste02]. **division** [AAS21]. **dLV** [IN11]. **does** [ŠT22]. **Domain** [CS94, GJO23, Pav99, AR07, AH12, BBD18, CW16, CCS23, CGB22, Dob12, GS16, GS24, Haa00, HLV24, HJV18, HLX14, LO07, MRT03, Mit97, Xu18, Yam06b]. **domain-decomposition** [LO07]. **domain-robust** [Dob12]. **domains** [AR09, ACH22, BE22, CMR12, DK10, DMS23, EV93, GMS22, KP13, Kol12, LMN10, SL16]. **Double** [GMT16, CDN09, LP08, TSM+21]. **downdating** [Bar15]. **DP** [Bre03, HKLW20, Kim07a, KCW18, KKR18, KKR20, Mar11]. **DR** [MZLG14]. **driven** [PP22, PS22b]. **Dual** [AMRT06, BB20, BBK18, CMO18, CCC07, LV14, MJV20, Par21, SM08]. **dual-mixed** [BB20, CMO18]. **Duality** [AK06, LO13]. **duct** [HLC10]. **due** [Bre94]. **dynamic** [ABBS07, BC05, BRS08, DH07, EP07, KZ07, PSG+23, VS22]. **dynamical** [LR03, Man08, VCL08]. **dynamics** [EHK22, OR11].

Eberlein [KP24]. **ecosystem** [PS22a]. **Ed** [She06]. **eddy** [AR07, AAN20, Kol12, NW03]. **Edge** [CKH14, LMR15, KL21, NP19a, NP19b, PSG+23]. **Edge-based** [LMR15]. **Edge-Preserving** [CKH14, PSG+23]. **effect** [Ste21]. **effects** [APL04, Kan15, Kan19]. **efficiency** [Gat04]. **Efficient** [BHN13, Ber04, Che94, FG17, GK14, KN03, QvGvW+15, SvdVM98, TV07, Van19, BKS15, CKD15, Cha11, HRT08, NN16, PV09, SGB07]. **Ehrlich** [CG22]. **Eigenfunction** [MYZ18]. **eigenfunctions** [PP06]. **eigenpairs** [AK20, CRZT20]. **eigenproblem** [FS08, Pan19]. **eigenproblems** [FMMS08, JG14, OS98, SvdVM98]. **eigenreduction** [Ves96]. **eigensolver** [TC08]. **eigensolvers** [KL21, Kny98, ZN23]. **eigenstructure** [BFS08, CC00, Ita06]. **eigentriplets** [TC08]. **eigenvalue** [Ahm19, AK20, AR09, AH10, BMX99, BFS08, CRS94, CMVW20, CKV04, DDR95, EH15, EH23a, EH23b, GS23, HS97, HP08, KLS16, Kal20, KN03, KV13, KL18, LV22, MW02, NZ14, Sor98, SV10b, SS98, TLL15, TZ17, Var01, Vos99, WSS98, ZC19]. **eigenvalues** [AD04, Ash17, AMVW17, BSCT22, KP13, Lei19, MX15, MACI06, NNR99, VVM09]. **eigenvectors** [HS12]. **elastic** [DLS21, GLMT21, KMC11]. **elasticity** [BBD18, CMM95, Gat07, Lis08, OR11]. **elasto** [RWOS21]. **elasto-hydrodynamic** [RWOS21]. **electric** [SMS+19]. **electrical** [Kin22]. **electro** [LM22, PV09]. **electro-magnetoencephalography** [LM22]. **electro-physiology** [PV09].

electrocardiology [GGM12]. **electrochemical** [MM09b]. **electromagnetic** [HR14]. **electronic** [DS11, KJ09]. **electrophysiology** [CLP20]. **electrostatic** [GAM05]. **Electrostatics** [Van07]. **Element** [HLP15, AAN20, AMRT06, AM06, AL08, AD04, BPP15, BMS08a, BB01, BRS08, CW96, Che99, DGP99, DLM23, DHI03, FFK+15, GS16, Gat04, Gat07, GS23, GV22, HK14, HL20, HLP10, HLX14, HL22, Kim07b, KL12, KS00, LMN10, LMR15, MC05, Mar07, Mar11, MHC22, Nei14, NC06, RMH22, SJ08, SG94, SZ20, STX23, Tu07, Woh00, YG96, Zha04, ZW22]. **elements** [BB20, Bun97, Che97, GH99, HK10, NP19a, NP19b, Sch08a]. **elimination** [HLC10, KL21, NU05]. **ellipses** [DDPS20]. **Elliptic** [VA09, AH04, AH10, BRC+16, Bog05, CP00, CS94, DG06, DLM23, GV22, GJV13, Hoh06, JSB23, LH12, LMR15, Mar07, NZ14, Nov05, TW16]. **embedding** [HSR23]. **Emden** [ABBS07]. **empirical** [LHL+20]. **endpoint** [Ill03]. **Energy** [GJV13, Pri06, Ran07, SSVS12]. **Enhanced** [ERS17]. **Enhancement** [Lam08b, BMS23]. **ensemble** [SHH+12]. **entire** [Ped07]. **entrance** [SK06, SK08]. **entropies** [BFdP+18]. **entropy** [Man08, Raj08]. **epidemiology** [GHK+22]. **equal** [Leo06, Leo09, LRL08]. **Equal-order** [LRL08]. **equally** [Roş09]. **equation** [ÁNACS07, ACS00, AC06, BB00, BP21, BMP09, Bol08, CL03, CQ01, CDV23, CO20, DG06, DB08, DE06, EHJM17, EN08, FFK+15, FMR15b, FH13, GMS22, HJV18, HJ09, KL12, LKF08, LN20, LP24, MACI06, NND06, Nei14, PBP22, Pry14, RSN21, RVL24, RR07, RV08, SSVS12, ZK17, ZW22]. **equations** [AHS17, ABJE15, ABBS07, ABM93, AS14, ADW15, Aré09, AM06, AH10, BZ03, BPP15, BBD18, BMS08b, BB14, BKS15, Boc97, BL97, BSS16, Cab07, CMM95, CR96, CCDR08, CDN09, Che94, Cot06, DM23, DMO23, DH07, Die97, Dob12, DHI03, EMS13, EDG+15, ET09, EP07, EBJ21, FI20, FvdM21, FMO23, FL07, GS07, Gan04, GSV12, GJV13, HMRS04, HHP13, HJ16, HL20, HSC23, JN07, JR02, JR04, JKM14, KS06, KZ07, Kle08, Koe07, KM20, Kou97, KM96, KM07, LMS97, LDB13a, LDB13b, LMW20, LC14, LT18, LKRO24, LH12, MS23, MYZ18, MSV95, MFMGO05, MSCU21, MS08, MG14, Mok15, Mok16, NB08b, Nas15, Ned20, Ng97, NRS17, OR21, Ore10, PV09, Per00, PGH11, Sch93, Sch05, SY09, SF93, Sta03, SW21, Sty08, VS22, WD08]. **equations** [YG08, YCS22]. **equidistributed** [GN14]. **equilibrium** [BDD06, BCDO18]. **equispaced** [FMO23, GK14]. **equivalence** [SM08]. **Error** [AAA20, BY98, BB11, BJM22, DJ06a, DDPS20, HK14, HW22, HS21, JKM+22, MH01, MPS18, Pej23, SAA09, YG08, BB20, BMM97, CS14, DGP99, Ful03, Gat04, GV22, GJV13, KR20, LR16, LKRO24, Mez23, MACI06, NV19, NC06, Ore10, PGH11, ST02, XS20, YNYF15]. **errors** [NRV21, SME02]. **estimate** [YG08]. **estimated** [FKSV07]. **Estimates** [FMR15a, BB01, BB11, BMM97, DDPS20, Ful03, GV22, HK14, HW22, Kha06, LMN20, MR17, XS20, ZN17, DLM23]. **Estimating** [CS14, GHK+22, BCDO18]. **estimation** [AH03, BY98, FvdMS14, MACI06, NC06, PGH11, PT13, Psa04, SSBS22, ST02]. **Estimations** [BFM12]. **estimator** [KR20]. **estimators** [DGP99, DSA22, Gat04, Man03]. **ETNA** [Ano20a]. **Euler** [BFdP+18, Khr06]. **European** [PPN13]. **Evaluating** [BDR09, Car11, ST08]. **Evaluation** [SG99, FG17, HS21, KS18, KM17, LW06, SJ08]. **even** [AM11, Aus23]. **evolution** [AS14, Gan04, HOR08, HHP13, HLNT18, MS07]. **evolutionary** [GW19, JL23]. **exact** [Kha06]. **exactly** [ŠT22]. **examples** [CX21, OWC+22, Rum20a, Rum20b, Zho06].

existence [AFHM04]. **exotic** [PPN13]. **expansion** [HR14, JN10, LZ07, MYZ18, SvdVM98]. **expansions** [AAA20, LWH20, LW06, Mas06]. **Experiences** [Boc97]. **experimental** [Bin24, CT03]. **experiments** [BJM99, Meu01]. **explained** [Gut10]. **Explicit** [BP23, BCDI15, APL04, BEG15, HOR08, JS18, MPV13, MPV15, PPN13]. **Exploiting** [CH22, FJK+20]. **exponential** [BKS18, Dam02, FvdMS14, HHO14, KM17, Mas06, PT13, ST08, Sta02, TSM+21]. **exponential-type** [BKS18]. **exponentially** [Mar18]. **exponentials** [Böt04, KLS17, LR04, PMLFT09]. **exponents** [MH01]. **extended** [BEJ+18, HJ09, MPV13]. **extension** [CR15, JO14, MPS18, VW13]. **Extensions** [JN07, BCDV06, CS14, MPV15, Sch06]. **exterior** [HRV13, KL12]. **external** [Tom23]. **extraction** [HP08]. **extrapolated** [CRZT20]. **extrapolation** [BFM12, DS11, EMS13, FMOS21, MR17]. **Extremal** [RS12, Göt06, HC05]. **extreme** [EV93].

Faber [EV93, HS97, RSN21]. **factor** [DSC08]. **factored** [DH07]. **Factorization** [ÁNACS07, BY99, FXG19, GM04, HNP10, Koe07, LS05, RT05, SAA09, SG06]. **factorization/solver** [VVM08]. **factorizations** [BBF+00a, BBF+00b, OB05, SGB07, WL11]. **Factors** [FO03, Kro06]. **Fast** [Aur15, AMVW15, BCR98, BMP09, JO05, KM17, LW06, Mit23, Nas15, Ng94, PW13, PK08, TMS97, AC06, BHRT03, BP03, CX21, CCDR08, CdlHG24, EH15, FGV09, LV08, SG06, LPP23]. **FDM** [Ade17]. **Fejér** [SL12, ST08, RS12]. **Fekete** [BL08, SV10a]. **FEM** [Ade17, FKK10, HR14, Kol12]. **FEM-FDM** [Ade17]. **FETI** [Bre03, HKLW20, Kim07a, KCW18, KKR18, KKR20, Mar11]. **FETI-DP** [Bre03, HKLW20, Kim07a, KCW18, KKR18, KKR20, Mar11]. **FFT** [NP96]. **FFT-based** [NP96]. **FGMRES** [AD09, CD24]. **fidelities** [BB11]. **field** [BdPNdP14, HK18, KP13, Opf10, RR07, Tos00]. **Fields** [Hoc11]. **fifty** [Not16]. **Filon** [Maj21]. **Filter** [DSC08]. **Filtered** [ORT23]. **filtering** [ABHK09, BP03, Bre16, NP96, SHH+12]. **financial** [BJM22]. **Finding** [PV05, BGP04, Jac10]. **Fine** [Sim06, dJvdPDV17]. **Fine-grain** [dJvdPDV17]. **Finite** [CO20, HL20, HLX14, AAN20, AMRT06, AM06, AL08, AD04, BPP15, BB20, BMS08a, BB01, BRC+16, BRS08, Bun97, CP00, CP03, CW96, Che97, DGP99, DLM23, FMR15b, GS16, Gat04, Gat07, GS23, GV22, HK14, HLP10, HL22, HK10, Kim07b, KS00, LO13, LMN10, LMR15, LKF08, Mar07, MHC22, Nei14, NC06, RMH22, Rum20a, Rum20b, Sch08a, SJ08, Sch16, SJB23, SZ20, ST02, STX23, Tu07, Woh00, WLR02, YG96, ZW22, HLP15, SK06]. **finite-element** [AM06]. **First** [CMM95, ABC23, BMM97, BDR09, CL03, LB96, Pav99]. **First-order** [CMM95, BMM97, CL03, LB96, Pav99]. **fitted** [KS06, KK08, Mar18]. **five** [RV08]. **five-point** [RV08]. **fixed** [CG18, JKM14, Van07]. **fixed-sized** [CG18]. **flexible** [MZLG14]. **Flip** [FXG19]. **Flip-flop** [FXG19]. **floating** [DDR95, SME02]. **flop** [FXG19]. **flow** [AL09, AMRT06, BKO17, Bir12, DMS23, Dis97, DDS+18, HLX14, HLC10, Kan15, Kan19, PSS99, RFHS08, SK06, SK08, TV07, Tu05, Tu07]. **flows** [BGHD22, CR09, Ema10, GGCT09, Kan08, LRL08, Mál08, PS22b, STO08, Ste97a]. **fluid** [AVV14, AMRT06, CR09, DLS21, EHK22, HL22, OR11, SV10b, TDLC09, Vos03]. **fluid-solid** [SV10b, Vos03]. **fluids** [Mál08]. **flux** [HJ16]. **focus** [HM22]. **FOM** [Sch16, Soo17]. **footnote** [CS99]. **forces**

[MHC22]. **Forchheimer** [LMS09]. **form** [CMM95, Drm15, FMR15a, FGV09, HJ16, NC06, Wat06b]. **forms** [AK10, Zha01]. **formula** [BFdP+18, Bre94, Ill03, MPS18, TSM+21]. **formulae** [DDPS20, EMJ16, JKM+22, Not16, OSLS20, Pej23]. **formulas** [AAH22, BCDI15, CS14, RMH22, RGVP99, Roş09]. **formulated** [AR09]. **formulation** [AR07, BRC+16, CCC07, DHI03, HK18, KCW18, Tu05]. **formulations** [BB20, HJV18]. **forward** [VS22]. **FOSLS** [BMM97]. **four** [CD24, RV08]. **four-** [RV08]. **Fourier** [LPP23, CQ01, HR14, LZ07, Man06, Ste02]. **Fourier-mode** [HR14]. **Fourth** [Kle08, BFR19, Han06, MYZ18, SSVS12]. **fourth-order** [BFR19, Han06, MYZ18, SSVS12]. **Fowler** [ABBS07]. **Fractal** [Nav05, Nal19, PV22, VC14, VC15]. **Fractional** [ZZW20, BEFSC23, BSS16, DDN23, Die97, EBJ21, MSCU21, PBP22, Sch22, TSM+21, ZW22]. **fractions** [IL06, Khr06, LB96]. **frame** [BD20, GLMT21]. **framework** [BJM22, Bre03, KB22, OWC+22, PSG+23, PD17]. **Fréchet** [Car11, Car12]. **Fredholm** [NNR99, OR21, YG08]. **free** [Bol08, BK16, CDV23, Che09, GM06, Kin11, Kin13, LPS20, LPS23, LY14, LT18, SV10b]. **frequency** [DNV05, DdAR17, Gan04]. **Freud** [GAM05]. **Freud-type** [GAM05]. **frog** [LMW20]. **frugal** [HKLW20]. **full** [Bor09, Mit97, Nal19, WLHH18]. **full-Newton** [Bor09]. **full-space** [WLHH18]. **Fully** [GS24, HC06]. **function** [BMFJ+06, BEJ+18, Dos08, ERS17, JKM+22, LZ08a, LW06, LP08, NV19, Pej23, SSBS22, Sta02, VK95]. **functional** [LMW20, LM22, Mas02, RZ12]. **functionals** [ABH17, CGM10, LMM12]. **functions** [AEEG08, ÁNCQ06, AAH22, BY98, BR08, Bre04, CFÁN09, DT09, DDPS20, DJ06b, FM02, Fro09, FLS17, GST20, GSV12, GRS00, HHP19, JL23, Kha06, Koe99, KS18, LWH20, LP17, Man06, MJ11, MPS18, Ost10, PV22, Ped07, Pri96, Rap06, RGVP99, RS12, ST08, Sch08b, Sch05, Sch22, SG99, SS23, SG98, Sin95, Tik05, XX23, ZZW20, Zho06, Sha12]. **Future** [Ano20a].

Galerkin [BPS17, EG06, EDG+15, GW10, HHP13, HLNT18, JS08, LP24, Mok16, Pry14, SMS+19, TW16, TWZ20, Yam06b]. **gas** [DDS+18]. **Gauss** [ACR99, Ash17, AAH22, Bra97, CS14, DDN23, DP20, DRST16, Gau06, LWH20, Not16, Osb08, PR20, PPS18, Sil03, Tom23]. **Gauss-type** [Gau06, Tom23]. **Gaussian** [Pej23, CDN09, DV12, DDPS20, GK21, JKM+22, OSLS20, Sin95, VV18]. **Gaussian-type** [DDPS20]. **Gaussians** [DP20]. **GCDs** [WA08]. **GCV** [CNO08]. **Gegenbauer** [Kei08]. **Gene** [Gau02, GOR+08, Man08]. **General** [Bra00, Sch03, BB11, Dam02, Erh95, HW22, KMFO05, LMN10, MM21, Pop08, Soo16, Zho06]. **generalised** [FS08]. **generalization** [AEEG08, MJ11, PV09]. **Generalizations** [Hoc05, Bre94, MPS18]. **Generalized** [RÁRP06, AL09, BGSC20b, BGSC20a, BFM20, BD17, DRST16, Kal20, KKR18, KKR20, KP24, KL18, LC14, MFMGO05, Nas15, OS15, SvdVM98, Sor98, Sty08, Wih23]. **GeneRank** [BK13, SEH14]. **generated** [FGV09]. **Generating** [BSDMGFTR09, BKS15, Mez23]. **generators** [Els05]. **generic** [JJ10]. **geometric** [JVV12, Lóp16]. **George** [Pot05]. **Gerschgorin** [KV95, VK95]. **Gersgorin** [FKSV07, VK99, Var01, VCK08]. **Gersgorin-type** [VK99, Var01]. **Gershgorin** [CKV04]. **Gershgorin-type** [CKV04]. **GEW** [ZK17]. **ghost** [Van07]. **Gilbert** [BPP15]. **Givens** [JO05]. **GK** [WL12]. **global** [BBS19, BEJ+18, Gra16, KM96, LDB13a, LDB13b, Ore10].

global-in-time [LDB13a, LDB13b]. **globality** [Mit23]. **globalized** [CR09]. **GLT** [BGMSC22, BEFSC23]. **GMRES** [DGH14, DTM17, EMS09, Erh95, IE17, LZ08b, MZLG14, Meu12, Neu19, Sim10, Soo16, Soo17, TLF07, WE13, Zít08]. **GMRES-Type** [DGH14, Neu19, Soo16]. **Golub** [BP23, Gau02, GOR$^+$08, Man08, ZX17, ZC19]. **Google** [DN11]. **Google-like** [DN11]. **Gordon** [BKS18, GSV12]. **governing** [SV10b]. **GPU** [JO08, dJvdPDV17]. **GPU-type** [dJvdPDV17]. **GPUs** [ANN22]. **graded** [Ste95]. **Gradient** [LMM12, LR03, BBK18, CKD15, Dos08, GJV13, KN03, Lam10, NP96, Pan19, PS22b, SST23, Ste21, ST02, ZN23]. **gradient-type** [ZN23]. **gradients** [Dub01]. **grain** [dJvdPDV17]. **Gram** [Bar15]. **Gramian** [BB08]. **Graph** [BBDR22, BFM20, Els05, NN16, Sch22]. **graphics** [NND06]. **graphs** [BFdP$^+$18, BF12, HS12]. **gravity** [MM09b]. **grid** [Bol08, DHK$^+$00]. **grids** [ADM07, BSDMGFTR09, Bun97, GN14, LP09, VA09]. **group** [CL03, GK08, Ore10, Roz06]. **grouping** [Auz18]. **growing** [CG18]. **growth** [KM08, SCCJC09]. **Grüss** [MJ11].

H [Gau02, Wih23]. **H-matrices** [Wih23]. **Hadamard** [KM08, MO24]. **Hahn** [Arv06]. **half** [BK06, CBGV05, CdlHG24]. **half-line** [BK06, CBGV05]. **Halperin** [Lóp16]. **Hamiltonian** [ADW15, ABA20, BMX99, BFS08, CGB22, Faß07, MW02, Wat06b]. **Hammerstein** [Mok16]. **hand** [BBS19, BK02, EJS03, JST05, LZ08b, MZLG14]. **Hankel** [Drm15, ER14, Ng94]. **harmful** [Wat06a]. **Harmonic** [Bea98, HP08, BDKP22, DTM17, EDG$^+$15, Hoc05, ZC19]. **Hausdorff** [HM22]. **having** [Ped07]. **heat** [CO20, HJV18, KJ09, LKF08, LN20, NB08b, PBP22]. **Hellan** [KRZ16]. **Helmholtz** [CDV23, EN08, KL12, RSN21]. **help** [Ger17]. **Hermite** [Ash17, BCDI15, MM09a, MJM16, She04, Sta02, Sta06, VV18, ZZW20]. **Hermite-type** [BCDI15]. **Hermitian** [ABH17, CMP01, EH15, Fro09, FSS18, HS97, KL21, KL18, PP08, Sch22, ZB10]. **Herrmann** [KRZ16]. **Hessenberg** [AHS17, BSCT22, EH23a, JO05, TT05, VW13]. **Hessenberg-upper** [VW13]. **heterogeneous** [BHRT03, CDV23, HKLW20, KKR18, KKR20]. **heuristic** [HSKR22, MS23]. **HHT** [JN07]. **HHT-** [JN07]. **hidden** [ZW22]. **hidden-memory** [ZW22]. **Hierarchical** [Bol08, PP22, DFV09]. **hierarchy** [DDS$^+$18]. **High** [CP00, Mar18, Mok15, Aré09, CLP20, GK14, Kim07b, Lam08a, NP20, PSC97, Ste97a]. **high-dimensional** [NP20]. **High-order** [CP00, Mar18, Mok15, GK14, Kim07b, Lam08a]. **higher** [Bun97, Ng97, Sch08a]. **higher-order** [Ng97]. **highly** [Bra00, BFK$^+$10, FvdM21, FLS20, GS06]. **Hilbert** [DP20, GHS14, MF06, MO24, Sch03, Yam06a]. **Homogeneous** [HN08a, ČF18, Gat07, Yat06]. **homotopy** [ZY13]. **Householder** [SAA09]. **hull** [TLF07]. **hulls** [Gre04]. **hurricane** [Ful97]. **Hybrid** [GGCT09, AMRT06, Per00, SSBS22, Tu07, CNO08]. **hybridizable** [TW16, TWZ20]. **hydrodynamic** [RWOS21]. **hydrogen** [RR07]. **hydrogenlike** [ÁNCQ06]. **Hyper** [FFK$^+$15]. **Hyper-singular** [FFK$^+$15]. **hyperbolic** [DM23, HNV24, HNS04]. **hypergeometric** [ÁNACS07, CFÁN09, Cot06, DT09, DJ06b, GRS00]. **hypergeometric-type** [ÁNACS07, CFÁN09]. **Hypergraph** [KL21]. **hypersingular** [DO18, DMO23]. **hypocycloidal** [EV93].

ideal [She10, TLF07]. **identification** [HHP19, KJ09]. **Identifying** [DdAR17, FMSV08, Tif11]. **IDR** [BMS23, Gut10, Zem17]. **II** [FFK$^+$15,

FLS20, KV95, Lui11, MX97, Sha12]. **III** [CG18, VK95]. **ill** [BOR23, CN19, HM22, Kin11, Kin13, MS23, NR14, Neu19]. **ill-conditioned** [Kin13]. **ill-posed** [BOR23, CN19, HM22, Kin11, MS23, NR14, Neu19]. **ill-posedness** [HM22]. **ILU** [BJM99, LS05]. **Image** [NO02, BHN13, BBK18, BBDR22, BD20, CCC07, DFG23, FCA21, HJ08a, JC17, LMSY14, LPS20, ZM13]. **images** [Bar05, LPS23, NO02, ORT23]. **imaging** [Bar11, DENP09]. **imbalance** [NRS17]. **imbedding** [MRT03]. **Impact** [MM09b, HM22]. **impedance** [Kin22]. **implementation** [CT03]. **Implementing** [JO08]. **Implicit** [APL04, PPN13, AS09, DLS21, FMR15b, LN10, Mál08, Sch93]. **Implicit-explicit** [PPN13]. **Implicitly** [BR14, CR09, Bre16, CRS94]. **Improved** [AS12, BGP04, CKP15, EH23b, TV18, PPN13, WD08]. **Including** [DGH14, KS18, WR09]. **inclusion** [CKV04, Hoc11, Lei19, Var01]. **Incomplete** [BH20]. **incompressible** [BBD18, BGHD22, DLS21, LRL08, Mál08, OR11, Per00, RFHS08, STO08]. **inconsistent** [HH93]. **Incremental** [KLS17]. **indefinite** [SG06]. **independent** [AO10, Kin13]. **index** [Aré09, BKO17]. **individual** [ZN23]. **induced** [Nar18]. **inducing** [MH17]. **inequalities** [Bre04, LO13, MJ11, Mas02, Rap06]. **inequality** [Gau10, Ger17, Jah22, KZ07, Yat06]. **inertia** [KV13]. **Inexact** [DSSS13, WSS98, XX23, BBMP06, FS08, HLC10, Xue22, Yan98]. **inf** [LRL08]. **inf-sup** [LRL08]. **infants** [LKF08]. **inference** [BGHD22]. **inferring** [CGB22]. **infinite** [BEN94, MX15]. **influence** [Els05, Xu18]. **Information** [DGH14]. **informed** [BGHD22, GHK+22]. **inhomogeneous** [RVL24]. **initial** [Aré09, BK16, GN14, HJ08b, Lam05, Sch16, SJB23, SZ20]. **initial-boundary** [BK16, HJ08b, Lam05]. **initial-boundary-value** [GN14]. **initialization** [BGP04]. **inner** [BEN94, BMSR06, Mee98, VB95]. **inner-outer** [BEN94]. **input** [CC00, MX96, MX97]. **inspired** [HBS22]. **integrable** [MJ11]. **integral** [CCDR08, CDN09, Che94, DJ06b, FFK+15, FvdM21, FMO23, FLS20, HLP10, JR02, JR04, JKM14, MG14, Mok15, Mok16, Nas15, Ned20, Ng97, OR21, PGH11, Sus07, YG08]. **integral-algebraic** [PGH11]. **integrals** [Car12, DO18, FLMT05, LP08, Maj21, Nov05, ST08]. **integrand** [Tom23]. **integrands** [Atk04, Ill03, JKM+22, Pej23]. **Integrating** [Sha12]. **integration** [AD24, DO18, Fra21, GK14, KL18]. **integration-based** [KL18]. **integrator** [HHO14]. **integrators** [BKS18, ST08]. **integro** [DMO23]. **integro-differential** [DMO23]. **Interaction** [RFHS08, DLS21, JS18]. **Interconnecting** [HLP15]. **interest** [HHP19]. **interface** [Ade17]. **intergrid** [Che97]. **interior** [BOS08, BGS10, BW12, BPS17, JO08]. **interlacing** [DJJ11]. **internal** [Ema10]. **Internality** [DRST16]. **interplay** [Gau02]. **interpolant** [BE22]. **interpolation** [Aus23, BB14, BCDI15, BCDV06, Bre94, Dam02, Del02, EEM24, EMJ16, GM06, GCPP99, Gla08, GPT11, GK08, KS18, Lén06, Lén10, LRL08, MM09a, Mit23, ORT23, Opf15, PMLFT09, PV22, She04, SV10a, Van07, VC14, ZZW20, vBHS14]. **interpolation-based** [Mit23]. **interpolatory** [HNS04, RS12]. **interpretation** [GAM05, GJV13]. **interval** [BCGAM08, JR02, JR04]. **intervals** [BDD06, MO24]. **introduction** [FLMT05]. **intrusive** [CGB22]. **invariance** [AO10]. **invariant** [KQT13, SS08]. **invariants** [KM96]. **invasion** [SM20]. **Inverse** [BLM06, DGH14, BdPNdP14, CGM10, CFM+10, CN19, FS08, Göt06, HW22, HSR23, Jah22, LN10, LY14, PMLFT09, PSG+23].

inverse-free [LY14]. **inverses** [BFM20, FSS18, PCP06]. **Inversion** [ER14, DdAR17, GST20, LR04, MPV13, MPV15, RKvdDA14]. **invert** [Mee98]. **involved** [FO03]. **involving** [DT09, SF93]. **irreducible** [NPR08]. **irregular** [BSDMGFTR09, Cal15]. **Isogeometric** [CPS18, XS20, AS22, HLNT18]. **isoparametric** [DLM23]. **Isotropic** [NC06]. **issues** [MMP09]. **iterated** [BD17]. **iteration** [BMS08b, BDG04, Bre16, BEN94, CN19, Dub99, Fat98, FS08, HLV24, HSKR22, Kür19, Lam08b, MS06, MSS15, NZ14, VVM09, WR09, WL22, Yan98]. **iterations** [CNP94, HJ08a, NP96, Pan19, Sch16, SME02, ZN17]. **Iterative** [CCC07, LNG15, MS23, NND06, AD24, Bar11, Bog05, BW12, BOR23, Che94, DN11, DSC08, Han21, JG14, KRR16, MM21, MSV95, MMP09, NNR99, Ng94, PW13, Sty08, ZB10].

J [ABA20]. **J-Lanczos** [ABA20]. **Jacobi** [SS98, DJJ11, Gau10, HK17, HN08a, KMFO05, SvdVM98]. **Jacobian** [NU05]. **Johnson** [KRZ16]. **joining** [SPSC23]. **Joint** [LO07, DdSV20]. **Jordan** [Gre04, TLF07]. **jump** [LH12].

Kaczmarz [Pop08]. **Kahan** [BP23, ZX17, ZC19]. **Kalman** [ABHK09, SHH+12]. **Kantorovich** [AFHM04]. **kernel** [Ita06, Nas15, LT94]. **kernels** [FvdM21, Han21]. **kind** [Mok16, NNR99, OR21]. **kinetic** [HL20]. **Klein** [BKS18, GSV12]. **Korteweg** [Kle08]. **Kostić** [GL23]. **Kronecker** [BBD+08]. **Kronrod** [ACR99, MPS18, Not16]. **Krylov** [KNS19, BBS19, BSS09, BFS08, Cha11, DSSS13, EN08, FP01, FLS17, FJK+20, GS15, GNR15, GHS14, Gut12, KM20, Lam05, Lam08b, LY14, MPV13, MPV15, MS06, Meu17, RVL24, Soo22, VVV19, WLHH18, WO97, Wei94, XX23, ZN17]. **Kutta** [AS14, Bir12, GS94, LT18].

L [Peñ04]. **lacunary** [Lén10]. **Lagrange** [EEM24, MRT03, WLHH18]. **Lagrangian** [BB20, DG06]. **Laguerre** [CC97, DDN23, DP20, Mas02, MMN18, SSS10]. **Lamé** [MFMGO05]. **Laminar** [Kan15, Kan19, Kan08]. **Laminar-turbulent** [Kan15, Kan19, Kan08]. **Lanczos** [ABA20, BP23, BY98, BEJ+18, Bre16, CRS94, CHR02, CNO08, Fro09, HRT08, Lam08b, Mee98, PPS18, ŠT22, TZ17, TC08, ZX17, ZC19]. **Lanczos-hybrid** [CNO08]. **Landau** [BPP15]. **Landweber** [HSKR22]. **Langenhop** [KZ07]. **Laplace** [LP08]. **Laplacian** [BFM20, BBDR22, CdlHG24, EN08, NN16, RSN21, Sch22]. **Large** [ABHK09, LV14, NW03, ABJE15, AS09, AS12, ABH17, BMS08b, BFS08, BKS15, Böt04, CRS94, Cha11, HS97, HJ09, KM20, LY14, LR03, OS98, SG98, Sor98, WSS98]. **Large-eddy** [NW03]. **Large-scale** [ABHK09, LV14, ABJE15, BMS08b, BFS08, HJ09, KM20, LR03]. **larger** [Kre05]. **Larsen** [CLP20, PV09]. **laser** [JS18]. **latitudinal** [Roş09]. **lattice** [ÁNACS07, Che09]. **lattices** [NP20]. **Laurent** [CGM10, CBGV05, Pri96]. **Laurent-type** [Pri96]. **Lavrentiev** [MS23, Neu16]. **law** [HS12, KV13, Mál08]. **layer** [KS06, KMC11, MM09b]. **layers** [Auz18]. **laying** [Sil03]. **LBB** [WD08]. **LDU** [Peñ04]. **leading** [BG24]. **Leap** [LMW20]. **Leap-frog** [LMW20]. **learning** [BGHD22, GZLC22, KB22, MHC22, YCS22]. **Least** [HJ16, Aco06, BKS22, BMM97, BY99, Boc97, Bor09, CMM95, CNP94, CL03, Faß96, GPT11, KS00, LV08, LV14, Men22, MS08, Ng94, Osb08, Pav99, Ste21, VB95, WNK18, ZM13]. **least-square** [Boc97]. **least-squares** [BKS22, CL03, Faß96, GPT11, KS00, Men22, Ste21, WNK18, ZM13]. **Left** [LZ07]. **Left-definite** [LZ07]. **Legendre** [Pej23, BK16, HS21, JKM+22, LWH20, PGH11, PV24, SG99]. **Lehmann** [Bea98].

Lehmer [COSV93]. **Leja** [BCR98]. **lemma** [CGT05]. **lemniscatic** [SL16]. **level** [BBD18, Cal15, Han06, HLC10, Kin11, Kin13, KLRW19, LMS97, MM21, NP19a, TV18]. **level-free** [Kin11, Kin13]. **Levenberg** [CN19, PBP22]. **Levinson** [GH94, VMV07]. **Levinson-** [GH94]. **Levinson-like** [VMV07]. **Lie** [Ore10]. **Lifshitz** [BPP15]. **like** [BBF+00a, BBF+00b, BGP04, BMP09, DN11, DDR95, HH93, HMRS04, LP09, Mál08, MVV09, Ng97, VMV07]. **limit** [Rum20a, Rum20b]. **limited** [ABHK09, SHH+12]. **line** [BK06, CBGV05, VA09]. **linear** [Aco06, Ade17, AS12, AD24, AS05a, BPP15, BE22, Ber04, BOR23, CMM95, CH22, CGM10, CC00, CFM+10, Che94, CGB22, CJS23, DM23, DENP09, ER01, EJS03, Ema10, FMR15a, FJK+20, Gat07, Gau02, GSW08, GS06, HH93, HHP13, HM22, HSC23, JST05, JO08, KQT13, Kin11, KM96, LX23, LB96, MM21, MSV95, MJ11, MZLG14, Meu17, Mez23, MS08, Neu19, OR11, Oos03, Ore10, Par21, Pop08, PV24, SPSC23, SGG15, SF93, SHZF08, Soo16, SME02, Sta03, TLL15, TZ17, VMV07, WL22, ZB10, ZM13, ZC19]. **linearities** [NU05]. **linearizations** [NRV21]. **linearly** [Sch93]. **link** [BF12]. **liquid** [BKO17]. **LMS** [NP96]. **Local** [BMM97, KM96, LRL08, Man03, APL04, BEG15, EV93, Fat98, MST08]. **Locality** [RT05]. **Localized** [Fer05, BGyS21]. **Locally** [HS12, BGSC20b, BGSC20a, KN03]. **location** [Meu15]. **logistic** [FTRH20]. **long** [Ste97b]. **Look** [GH94]. **Look-ahead** [GH94]. **loop** [BC05]. **Lothar** [RS14]. **Louis** [BRZ23]. **Low** [BSS16, LP24, Sty08, BGHD22, BKK+18, GO10, HP20, Kle08, Kür19, LM20, SGB07, TDLC09, WA08]. **low-dimensional** [BGHD22]. **low-order** [HP20]. **Low-rank** [BSS16, Sty08, BKK+18, GO10, Kür19, LM20]. **Low-rank-modified** [LP24]. **lower** [AD04, Cab07, COSV93]. **LSQR** [BR14, BKS22]. **LU** [BY99, SGB07]. **LU-factorizations** [SGB07]. **lumpings** [Jac10]. **Lyapunov** [BKS15, FH13, LP24, MH01, Sch05, Sty08]. **Lyapunov-type** [Sch05]. **Lyndon** [KS18].

M [Pej23]. **machine** [KB22, MHC22]. **machines** [JOT08]. **machining** [MHC22]. **Maclaurin** [BFdP+18]. **magnetic** [BHRT03, DdAR17, RR07]. **magnetically** [AAN20]. **magnetoencephalography** [LM22]. **magnetostatic** [AG19]. **Majorization** [PP08]. **Man** [Sad15]. **Mandelbrot** [Bin24]. **manifold** [ER01]. **many** [Man06, RKvdDA14]. **Mapping** [CEHT10, CMR12, DMS23, LT94, Lui11]. **mappings** [AH12, FP01, Xue22]. **Maps** [Gra16, DK10, Rom07, SL16]. **marine** [PS22a]. **Markov** [BBD+08, BU07, BKK+18, CR15, FMSV08, HMRS04, Jac10, Tif11, Tif13]. **Marquardt** [CN19, PBP22]. **mass** [BKO17, WR09]. **massive** [BFH+15, TV18]. **matching** [GS07, LM22]. **Mathematical** [Han21, Mál08, SM20, GHK+22]. **Matlab** [Sha12]. **Matrices** [AR14, AAS21, ABA20, ABH17, Aur15, AMVW17, BSS09, BBF+00a, BBF+00b, BU07, BR08, BDG04, BMP09, BDH15, BEFSC23, BDKP22, Böt04, BEN94, CMP01, DN11, Drm15, DSA22, ELT21, EH15, EH23a, EH23b, Erh95, Faß07, FGV09, Fro09, FLS17, FSS18, GL23, Gre22, HS12, HS02, HN08b, JO05, Kei08, KV95, KM08, LM20, LS05, LY14, LT05, LT14, LR24, LR04, MPV15, MSS15, MVV09, Opf10, PP08, Sch22, She10, SG98, Sim10, SF93, Smi10, Ste95, Ste97b, VVM09, VVM08, VK95, XBC19, XX23, Wih23]. **matricial** [GRS00]. **Matrix** [LM20, LB96, LR04, RY15, AHS17, AEEG08, ABJE15, AM11, AK20, ABH17, AK10, BJR+09, BEJ+18, BM05, BSCT22, BEFSC23, BK16, CX21, CP03, Car11, Car12, CGT05, CDV23, Dub99, EKPR19, EST06, ERS17, FI20, Fro09, FH13, GW10, GMT16, GM22, HLV24,

HNP10, HMRS04, Hoc11, JVV12, KLS17, LZ08a, MS14, MY02, MACI06, NPR08, Nos23, Pan19, PV05, Psa04, QvGvW+15, SPSC23, ST08, SS08, Sin95, TSM+21, TMS97, TT05, TC08, VCK08, Vos99, WR09, Wat06b, WA08, WL22]. **matrix-free** [BK16, CDV23]. **matrix-vector** [BM05]. **Max** [LT14]. **Max-min** [LT14]. **maximum** [FKK10, LKRO24, MHC22, OS15]. **maximum-norm** [LKRO24]. **maximum/minimum** [OS15]. **Maxwell** [BPP15, EDG+15]. **MC** [FCA21]. **MC-based** [FCA21]. **MCMC** [BHN13]. **MCMC-based** [BHN13]. **mdLVs** [IN11]. **mean** [JVV12]. **meander** [LP09]. **meander-like** [LP09]. **means** [BDR09, CdlHG24]. **measure** [BDD06, SL12]. **measurements** [RKvdDA14]. **measures** [BCGAM08, EST06, HC05, Man06]. **mechanical** [SSBS22]. **mechanics** [JN07]. **media** [AMRT06, Tu05, Tu07]. **mediated** [SM20]. **medium** [RVL24]. **Meixner** [dMPPR99]. **Mellin** [JKM14]. **membrane** [DLS21, PV09]. **memory** [ABHK09, Han21, SHH+12, ZW22]. **meromorphic** [BLM06]. **mesh** [ELST18, KS06, NV19]. **meshes** [BC09, CS94, DGP99, LO13, MC05, OR11]. **meta** [Jac10, Tif11]. **meta-stable** [Tif11]. **metastable** [FMSV08]. **method** [ANN22, AEEG08, ABJE15, AS05a, ABA20, AS22, AH03, Ash17, ACS00, AH10, ABHK09, BZ03, Bar11, BMS08a, BFS08, BBK18, BEJ+18, BKS22, BBMP06, BMS23, BL97, BOS08, BGS10, BW12, BPS17, BGyS21, BK16, BD20, Cab07, CX21, CRS94, Cal15, CG22, CFÁN09, CKD15, CW96, CR09, CQ01, CDV23, CGB22, Che09, CNO08, CG18, CJS23, DMO23, DdSV20, DGP99, DSC08, Dub01, ELST18, ELT21, EKPR19, EH15, EH23a, EH23b, EL05, EG06, EHJM17, EN08, FCA21, FvdM21, Gat07, GJV13, HOR08, HS08b, HJ16, HK14, HS97, Hip97, HLP10, HL22, Jac10, JO07, JS18, JG14, JN07, JO08, JR02, JS08, KS06, KK08, Kim07b, KR20, KL12, KN03, KP24, KRZ16, LMS97, LMW20, LMN10, LY14, LP08, Lóp16, LP17, LKF08, LR03]. **method** [MS23, MYZ18, Mar07, Mar11, Mee98, MZLG14, Meu17, Mit97, MACI06, MG14, Mok15, MP08, NND06, NN16, NNR99, NC06, Not10, OS98, Par21, PV09, Per00, PR20, PGH11, RMH22, RWOS21, RVL24, Sad15, SMS+19, SSVS12, SS23, SvdVM98, STO08, ST02, TZ17, Woh00, Wu03, WL22, Yam06b, YG08, YCS22, ZK17, ZY13, ZM13, ZW22, Zít08]. **methodology** [CL03]. **Methods** [DGH14, AMRT06, AM06, AD04, BEG15, BBS19, BP23, BB00, BSS09, BB14, BKS15, BFM20, BRS08, Boc97, Bog05, BDH15, BKK+18, BFH+15, BMPS95, BOR23, CCDR08, CDN09, CMP01, CCC07, CCS23, Che97, CRZT20, CLP20, DN11, DSSS13, EDG+15, EMS09, EBJ21, FFK+15, FP01, FSS97, FLS17, FJK+20, Ful97, FMP96, Gan08, GS16, GMS22, Gat04, GS15, GN13, GNR15, GW10, GSV12, GS23, GV22, GS94, GN16, GLMT21, GHS14, Gut12, HNP10, Han06, Han21, HK17, HT24, HKKR18, Hoh06, HLC10, JST05, JR04, Khr06, Kim07a, KKR18, KLRW19, KKR20, KS00, KL18, Lam05, Lam08a, Lam08b, LX23, LNG15, LT18, LM00, LMR15, LP24, MSV95, MMP09, MR93, MN08, NW03, NP19a, Ned20, Nei14, Neu19, Ng94, Ore10, Pav99, PSS99, PPN13, Pry14, RT05, SG06]. **methods** [Sch05, SdS06, SGG15, Soo16, Soo22, Sor98, SS98, SZ20, Sty08, STX23, TV07, TV18, Tos00, Val19, VVV19, VW97, Wei94, Xu18, XX23, ZB10, Zha04, HLP15, KNS19]. **MHD** [LMS97, OWC+22]. **Micchelli** [MPS18]. **micropolar** [HL22]. **microscopy** [EKPR19]. **microwave** [DENP09]. **mid** [Sch93]. **mid-point** [Sch93]. **Mimetic** [BC09, BRC+16]. **min** [LT14]. **min-max** [LT14]. **Minimal** [Gla08, KV95, VK95,

ABJE15, PR20, VCK08]. **minimal-norm** [PR20]. **minimax** [BCDO18]. **Minimization** [HS08a, Wei94, HNV24, Kin11, Par21, RZ12, SHZF08]. **minimization-based** [Kin11]. **minimizing** [Kür19]. **minimum** [Del02, Kan08, OS15, Vos99]. **minors** [KM08]. **MinRes** [Kol12]. **Miranda** [AFHM04]. **mixed** [AMRT06, AM06, AL08, AD09, BB20, Bra06, CMO18, Gat04, Gat07, GV22, HS08a, Han06, HJV18, HK10, JS08, LMN10, MST08, Men22, NC06, OR21, SS23, Tu05, YG96]. **mixed-hybrid** [AMRT06]. **mixture** [HBS22]. **Mobile** [HNV24]. **mode** [HK14, HR14]. **Model** [Auz18, AS22, BB08, BJM22, BF12, Cha11, DDS$^+$18, DHI03, EL05, HK18, HL22, LMS09, MJ11, PP22, PK08, PS22a, SM20]. **Modeling** [GLMT21, DE06, HQR22, Raj08]. **modelling** [NB08a]. **models** [BGHD22, BDR09, EHK22, GHK$^+$22, HBS22, HW22, JC17, SCCJC09]. **modes** [KMC11]. **modification** [SL12]. **modifications** [GO10, KL21, SGB07]. **Modified** [Maj21, SG94, CR23, DT09, Jah22, Lam08a, LP24, Mok15, Rap06]. **moduli** [HRV13, HNV21]. **Modulus** [WL22]. **Modulus-based** [WL22]. **Moment** [EST06, HM22]. **momentary** [BEFSC23]. **moments** [BFM12, Lam08a]. **Monge** [DG06, Nei14]. **monic** [Psa04]. **monolithic** [OWC$^+$22]. **monomial** [FvdMS14]. **monomial-exponential** [FvdMS14]. **Monotone** [Fro09, VC15, Bog05, MP08]. **monotonicity** [CR15, VK95]. **Monte** [DSA22]. **Morley** [Mar07, Zha04]. **mortar** [CW96, GS07, Kim07a, Mar07, Mar11, Woh00]. **mortaring** [HJ08b]. **motion** [VCL08]. **moving** [BEG15, HLX14, RFHS08]. **MR** [LT05]. **MSC** [TMS97]. **MSC/NASTRAN** [TMS97]. **Mühlbach** [Bre94]. **Multi** [CQ01, GN13, HT24, CC00, CL03, DdAR17, FL07, MX97]. **multi-frequency** [DdAR17]. **multi-group** [CL03]. **multi-input** [CC00, MX97]. **Multi-parameter** [GN13]. **Multi-scale** [HT24]. **Multi-symplectic** [CQ01]. **multi-term** [FL07]. **Multidimensional** [HNS04, AAA20, AAH22, BGSC20a]. **multifrontal** [EL05]. **Multigrid** [AVV14, BKK$^+$18, DM23, Dis97, FMOS21, Hip97, HS02, LT94, MLR22, ANN22, AO10, AH03, BZ03, BDH15, BL97, BFK$^+$10, BD20, Bun97, CS94, CL03, Che97, Den97, DHK$^+$00, Ful03, GW10, GK21, JC06, KLRW19, KN03, Kou97, LH12, LM00, Man03, Mit97, NW03, NN16, NP19a, NP19b, Not10, OWC$^+$22, Oos03, PSC97, Per00, PSS99, Pop08, RWOS21, SSVS12, Ste97a, WO97, Woh00, Zha04]. **multiharmonic** [Kol12]. **Multilevel** [KNS19, KS00, LK21, MRT03, BBKL15, BFH$^+$15, DSC08, EN08, Ful97, JC17, LW06, MN08, Meu01, QvGvW$^+$15, Spr02, TMS97, VW97]. **multinomial** [FTRH20]. **multiparameter** [BF12, HP08]. **multipatch** [HLNT18]. **multiphysics** [OWC$^+$22]. **Multiple** [VV18, BBS19, EJS03, JST05, LM22, LZ08b, MYZ18, MZLG14]. **multiple-shell** [LM22]. **multiplication** [BM05]. **multiplicative** [ELST18, ELT21]. **multiplicity** [AK20]. **multipliers** [MRT03]. **multiply** [CMR12, DK10, DMS23, SL16]. **multipole** [CX21]. **multiresolution** [MB06]. **Multiscale** [HKKR18, Bra97, FM02, MR18]. **multishift** [ABM93]. **multisplitting** [BMPS95, FMP96]. **Multivariate** [PV22, BP07, EKPR19, EEM24, Kro06, PT13, Zho06, vBHS14]. **Müntz** [Mok16, Nal19].

Nash [BCDO18]. **Nash-equilibrium** [BCDO18]. **NASTRAN** [TMS97]. **nature** [BC05]. **Navier** [Boc97, ET09, Mav97, Per00]. **near** [Van07]. **nearest** [GM22]. **nearly**

[BFK+10, Smi10, Tif13, VA09]. **negative** [Boc97, GST20, Ped07]. **Network** [MLR22, AM06, EHK22, GZLC22]. **networks** [BKO17, CEHT10, DDS+18, GHK+22, GZLC22, HQR22, PS22a, SSBS22, SW21]. **networks-estimation** [SSBS22]. **Neumann** [Lóp16, BHN13, BFdP+18, Che09, GKM16, KL12, Nas15, Tos00]. **Neural** [MLR22, EHK22, GHK+22, GZLC22, HQR22, PS22a, SSBS22]. **Newbery** [Faß96]. **Newman** [COSV93]. **Newton** [BMS08b, WLHH18, BBMP06, Bor09, Bre94, HLC10, JO07, Kal20, NP96, Osb08, PR20, WE13, WSS98, ZY13]. **Newton-ADI** [BMS08b]. **Nikiforov** [CFÁN09]. **Nikol'skiı** [Tik05]. **Nitsche** [HJ08b]. **nodal** [SJ08]. **nodes** [FMO23, Roş09]. **Noise** [HJ08a, HW22, Kin11, Kin13]. **Non** [FSS18, FMP96, GS07, dMPPR99, ACR99, AVV14, BC09, BKS18, CMO18, CGB22, CN19, DM23, Dis97, Gat07, Ger22, Haa00, HS97, HHO14, HM22, HLP10, Jac10, JJ10, MJV20, MN08, Mok15, PV24, RZ12, Sim10, Sta03, XBC19, Xue22, ZZW20, ZB10]. **non-aligned** [Dis97]. **non-autonomous** [HHO14, PV24]. **non-compact** [Ger22, HM22]. **non-contractive** [Xue22]. **non-convex** [MJV20, RZ12]. **non-generic** [JJ10]. **non-homogeneous** [Gat07]. **non-intrusive** [CGB22]. **non-linear** [DM23, Sta03]. **Non-matching** [GS07]. **non-overlapping** [Haa00]. **non-positive** [ACR99]. **non-regularized** [AVV14]. **non-relativistic** [BKS18]. **non-reversible** [Jac10]. **non-selfadjoint** [XBC19]. **non-smooth** [CN19, Mok15, ZZW20]. **non-stagnation** [Sim10]. **Non-standard** [dMPPR99, CMO18, HLP10]. **Non-stationary** [FMP96]. **non-symmetric** [MN08]. **Non-Toeplitz** [FSS18]. **non-uniform** [BC09]. **Noncommutative** [Sch06]. **nonconforming** [AD04, BB20, Che97]. **nondivision** [Opf15]. **Nonequispaced** [LPP23]. **nonharmonic** [For02]. **nonlinear** [AAN20, Ahm19, AS09, AG19, Bor09, CCS23, CQ01, Che09, CO20, DENP09, DB08, FKK10, FK08, GV22, HP20, HSKR22, HLC10, JG14, Kle08, KS00, KV13, LV22, MS23, Maj21, MP08, SM20, WO97, YCS22]. **nonlinearity** [MYZ18]. **nonlocal** [APL04, JSB23]. **nonnegative** [HNP10]. **nonnegatively** [Bar05, Bar11]. **nonnegativity** [CLRS04]. **nonoverlapping** [PV05]. **nonsmooth** [Sch08b]. **nonstandard** [BB01]. **nonsymmetric** [BP21, CFM+10, FS08, LR24, LZ08b, MSV95, NB08a]. **Nonuniform** [AR14]. **norm** [ABJE15, Boc97, CGT05, Del02, DSA22, HS08a, LKRO24, PR20, SG98]. **normal** [BSS09, LT14, SK06, SK08, Smi10]. **normality** [NPR08, TT05]. **normally** [FKSV07]. **norms** [EH15, Kro06]. **note** [Aré09, BMX99, Boc23, BSCT22, BEFSC23, Faß96, Gat04, Ger22, GW19, GHS14, Neu16, Pej23, SS09, Soo22, Ves96, Yat06, ZY13]. **novel** [AD24]. **null** [GM22, MVV09]. **number** [Aus23, AK10, BP07, Els05, JO17, Kan08, Kan15, Kan19, Ste97a, TDLC09]. **numbers** [KS18, MS06]. **Numerical** [ACS00, BBD18, BJM99, Bin24, BFR19, CMO18, CdlHG24, DENP09, KS18, MR93, Meu01, MACI06, NB08b, SY09, SK06, SK08, STO08, TDLC09, WD08, Zha01, ÁNCQ06, ABM93, AH04, BMX99, CCDR08, Che09, DMO23, DG06, DB08, Die97, FvdM21, FMO23, FM02, FJK+20, Gau02, Ger22, GN14, GJV13, Gre04, GLMT21, HS21, HSKR22, JSB23, LMS09, LMM12, Psa04, Rap06, Sch03, Sch05, SM20, TLF07]. **numerically** [Aré09]. **numerics** [FL07].

O [BR08]. **objective** [SSBS22]. **Oblique** [JST05, Lam10]. **observer** [EHJM17]. **obstacle** [BRS08]. **obtain** [AD09]. **Obtaining** [CGT05]. **occasion** [GOR+08, RS14]. **occluded** [AC06]. **ocean**

[DHI03]. **odd** [AM11]. **ODEs** [AS09, AS12, PV24]. **off** [SG99]. **old** [Mil23, OSLS20]. **once** [BEFSC23, GW19, HSC23]. **One** [Xue22, AL09, EH15, Ill03, JO14, MS08, RV08, She06, Yam06b]. **one-dimensional** [RV08]. **one-sided** [JO14]. **One-step** [Xue22]. **onto** [AS05a, CMR12, SL16]. **Open** [BMFJ+06, HS08b]. **Operational** [Mok16, MG14]. **Operator** [BGHD22, BD17, HS08a, HM22, HW22, JG14, KK08, Koe07, Lam10, MS23, NZ14, PV22]. **operator-dependent** [BD17]. **operators** [Aco06, ABH17, BFM12, Che97, FG17, Ger22, HOR08, HLP10, HSR23, Lor99, NNR99, NC06, RY09, Sus07, VS22]. **Optimal** [ADM07, DDRS23, DLM23, Lis08, SW21, Ade17, Auz18, BMS08a, DSSS13, FFK+15, JST18, KN03, Kol12, LMN20, Meu17, Neu16, SAA09, SS23, Wac13, vBHS14]. **Optimality** [NU05]. **Optimality-preserving** [NU05]. **optimization** [BSS09, DHK+00, JC17, LR03, QvGvW+15, WLHH18]. **optimization-based** [JC17]. **Optimized** [YHL+20, EDG+15, GMS22, LDB13a, LDB13b, Xu18]. **Optimizing** [Bir12]. **optimum** [Dub99]. **option** [KLS17]. **options** [Oos03, PPN13]. **oracle** [Jah22]. **order** [ABBS07, BMM97, BJM22, BEFSC23, BFR19, BMSR06, Bun97, CMM95, CP00, Cha11, CL03, CLP20, Die97, EH15, FMR15b, GK14, Han06, HHP13, HQR22, HP20, Kim07b, Kle08, Lam08a, LB96, MYZ18, Mar07, Mar11, Mar18, MSCU21, Mok15, Ng97, NC06, PSC97, Pav99, PK08, Sch08a, Sch08b, SSVS12, TW16, ZW22, Zho06, LRL08]. **orderings** [BJM99]. **ordinary** [MYZ18, Ore10, Sch05]. **Orthogonal** [Aco06, CBGV05, Gau99, IL06, Koe07, LP09, AK06, BGyS21, Che06, Cot06, FLMT05, GCPP99, GAM05, Koe99, Lor99, MM99, Nar18, PP22, RÁRP06, Roz06, SL12, Sch02, Sim06]. **Orthogonality** [KMFO05, Mil23, dMPPR99]. **Orthonormal** [VB95, MY02, Mas06]. **orthonormalization** [Zem17]. **Oscillation** [ABBS07, DH07]. **oscillator** [Maj21]. **oscillators** [ÁNCQ06]. **oscillatory** [FvdM21, FLS20, Maj21, Sha12]. **Ostrowski** [MJ11]. **other** [JO14, Sch05]. **outer** [BEN94, LNG15]. **ovals** [VK99]. **over-penalized** [BOS08, BGS10]. **overlapping** [Cal15, Haa00, HKKR18, MP08]. **oversmoothing** [HP20, MH22]. **overview** [BFH+15]. **oxymoron** [Kny98].

Padé [BY98, DDRS23, GJO23, GH94, Sta02, Sta06, Zho06]. **Padé-type** [DDRS23]. **page** [Ano09b, Ano10c, Ano13b, Ano14d, Ano15c, Ano15e, Ano17d, Ano17e, Ano18d, Ano19b, Ano20e, Ano20f, Ano21b, Ano22f, Ano22g, Ano22h, Ano23c, Ano23d]. **pair** [COSV93]. **pairs** [GMT16, Pan19]. **palindromic** [Ahm19]. **pantograph** [BB00]. **parabolic** [Ade17, AS14, Bog05, BEFSC23, DB08, DSSS13, FKK10, GKM16, GN14, HJ08b, HHO14, HLNT18, LKRO24, MP08, SG99, SJB23]. **Parallel** [BMPS95, HC06, BZ03, BJM99, BM05, BDKP22, CMP01, CDV23, CG18, DDR95, Erh95, FMP96, GW19, Haa00, HRT08, Mit97, SK06, SME02, VVM08, dJvdPDV17]. **Parallelism** [WE13]. **Parameter** [FvdMS14, HK18, KS06, KK08, LPS23, PT13, AH03, BCDO18, BMS08b, BFR19, BD04, GN13, HOR08, HHP19, Kin11, Kin13, Kno08, LPS20, Pea15, Wu03]. **parameter-dependent** [HOR08]. **Parameter-free** [LPS23, LPS20]. **Parameter-robust** [HK18, Pea15]. **Parameter-uniform** [KS06, KK08]. **parameterizations** [YHL+20]. **parameterized** [CJS23, SY09]. **parameters** [BKS15, ENH10, KMFO05, Kür19, SSBS22]. **parametric** [Ber04, MJ11]. **parametrized**

[Faß07, PP22]. **Parareal** [DSSS13]. **Parareal-in-time** [DSSS13]. **Part** [CG18, FFK+15, LDB13a, LDB13b]. **partial** [AS22, GJV13, SW21, VCL08, Zem17, ZW22]. **particular** [JKM14]. **partition** [Leo06, Mit97, VK95]. **partitioned** [KV95, TLL15, VK95]. **partitioning** [Els05, MH17]. **partitions** [Leo09]. **Past** [Ano20a]. **path** [Dos08, JJ10]. **PDE** [Lam08a, QvGvW+15, RKvdDA14]. **PDE-constrained** [QvGvW+15]. **PDEs** [CCS23, GW19, HQR22, Hoh06]. **penalized** [BOS08, BGS10]. **penalty** [BOS08, BGS10, BW12, BPS17, HP20, LX23]. **pencil** [EKPR19, VW13]. **pencils** [AK20, BMX07, Hoc11, MX15]. **Performance** [BFM20, FO03, Xu18]. **perilous** [Lau08]. **period** [DV12]. **Periodic** [Rom07, Cab07, FL07, Hen94]. **permeability** [DdAR17]. **perspective** [Pry14]. **perspectives** [HS08b]. **Perturbation** [AM11, Ahm19, AK20, AAS21, CC00, SME02, TLL15, CKP15]. **perturbations** [CGM10]. **perturbed** [Bog05, Bra06, BFR19, ELST18, EG06, GN14, KS06, KK08, LR16, LK21, Mar18, XS20]. **PET** [Bar11]. **phase** [AL09, KL21, LP17]. **photosynthetic** [SCCJC09]. **physical** [BFK+10]. **physics** [BGHD22, GHK+22]. **physics-informed** [BGHD22, GHK+22]. **physiology** [PV09]. **Pick** [Ped07]. **pictures** [Sim06]. **Piecewise** [ER01, Kim07b, Bre04, HR06, LPS23]. **piecewise-constant** [HR06]. **pinch** [BHRT03]. **pipe** [Kan08, Kan15, SK08]. **pivot** [KP24]. **pivoting** [LS05, SG06]. **placement** [MX96, MX97]. **plane** [ABC23, ACH22, LM00]. **plasma** [JS18]. **plate** [SG94]. **plates** [SK06]. **Play** [CKH14]. **Plug** [CKH14]. **Plug-and-Play** [CKH14]. **plus** [ER14, Ng94, VVM09]. **PML** [Lis08]. **POD** [HHP13]. **Poincaré** [Bre04, LO13]. **point** [BBS19, BL06, BG24, CR23, DDR95, GS06, GO10, HC06, JO08, KK08, Kou97, LO07, LN10, LR24, Mar18, NB08a, RV08, Sch93, SdS06, Sim10, SME02, TP24, Woh00, dJvdPDV17, vBHS14]. **points** [AK06, Aus23, BCR98, BCDV06, BL08, EV93, GS16, JJ10, JO14, MS14, Rom07, SV10a]. **Poisson** [BB20, BB01, Bol08, GMS22, Yam06b]. **polar** [Dub99, SSVS12]. **pole** [CMVW20, MX96, MX97, Van07]. **pole-swapping** [CMVW20]. **poles** [Van07]. **Pollaczeck** [MMN18]. **Pollaczeck-Laguerre** [MMN18]. **pollution** [LHL+20]. **polygonal** [LMN10]. **polygons** [For02]. **Polynomial** [Mas02, MMN18, MW02, Opf15, Ran07, SEH14, BGP04, Bre04, BFH+15, CG22, CGM10, EEM24, FMMS08, Fer05, FP01, Gre04, HMRS04, JR02, MYZ18, MFMGO05, MV15, Nar18, ORT23, PV24, SV10a, TV18, TLF07, VB95, vBHS14]. **polynomial-based** [PV24]. **Polynomials** [Opf10, AM11, Arv06, AK06, BH20, Bin24, BP07, Che06, Cot06, CBGV05, DJJ11, EV93, Faß96, FLMT05, GCPP99, GAM05, Gau99, Gau10, GM18, GN16, GRS00, HC05, HS21, IL06, JO14, JO17, Kei08, Koe99, Koe07, Kro06, KS18, KMFO05, Lor99, MS14, MM99, MY02, MF06, Ost10, Psa04, RSN21, RÁRP06, Roz06, SL12, Sch02, SSS10, Sim06, Sta02, Sta06, VV18, VC15, WA08, Yat06, Zha01, dMPPR99]. **poroelasticity** [AD24, AS22]. **porous** [AMRT06, Tu05, Tu07]. **port** [CGB22]. **port-Hamiltonian** [CGB22]. **Porting** [ANN22]. **posed** [BOR23, CN19, HM22, Kin11, MS23, NR14, Neu19]. **posedness** [HM22]. **positive** [ACR99, BFM12, CMP01, CR23, DSA22, FSS18, LT05, ZB10]. **Positivity** [IN11]. **possible** [DTM17, Sch16]. **posteriori** [DGP99, Gat04, GV22, HJV18, LR16, LKRO24, NC06, PGH11, SST23]. **potential** [AR07, AMRT06, DMS23]. **power** [CRZT20, HS12, KS18, Mál08, TSM+21].

power-law [HS12]. **power-law-like** [Mál08]. **powers** [Böt04, BFM12, DDN23]. **practice** [MMP09]. **precise** [HLV24]. **precision** [AD09, Lau08, Rum20a, Rum20b, ST02]. **precisions** [CD24]. **Preconditioned** [BBS19, CJS23, GS15, Kny98, Pan19, CD24, CR09, EN08, LY14, NZ14, ZN23]. **preconditioner** [BPS17, CW96, CNP94, CR23, DHI03, GGM12, HSC23, Kim07a, LN10, LH12, Mar11]. **Preconditioners** [BY99, DK13, GS06, AK10, BBD18, BJM99, BU07, BBMP06, BG24, Bre03, BGyS21, CP00, CFM+10, Che99, CT03, CPS18, Dob12, ET09, GS24, GO10, GHS14, Han06, HC06, HLC10, KLRW19, KN03, LO07, LK21, MRT03, Meu01, Ng97, Pea15, QvGvW+15, SM08, TP24]. **Preconditioning** [CP03, HN08b, KLRW19, NB08a, RSN21, SEH14, AVV14, Ber04, CMP01, GW19, HS02, Kim07b, MSCU21, Soo16, WR09, WSS98, Zha00]. **prediction** [Ful97, MHC22]. **predictor** [AS12, PPN13]. **predictor-corrector** [PPN13]. **Preface** [Ano10a, Ano14a, Ano14b, Ano15a, Ano17a, Ano18a, Ano18b, Ano20b, Ano22a, Ano22b, GOR+08]. **premature** [LKF08]. **prescribed** [XBC19]. **Present** [Ano20a]. **preservation** [MLR22]. **Preserving** [CKH14, BFS08, LC14, MX15, NU05, PSG+23]. **Pressure** [LMN20, CMM95, SK06, SK08]. **Pressure-robustness** [LMN20]. **pricing** [KLS17, PPN13]. **Primal** [MJV20, BBK18, CW16, KCW18, SM08]. **Primal-dual** [MJV20, BBK18]. **primes** [Pri06]. **principle** [Jah22, LPS20]. **principles** [FKK10, Sel02]. **Prior** [DGH14]. **priori** [BB20, LMN20]. **probabilistic** [Boc23, Jah22]. **Probability** [BCDO18, BP07]. **Probing** [SdS06]. **Problem** [SEH14, AR07, AAN20, Ade17, AG19, AL09, AVV14, AMRT06, AH10, BLM06, BdPNdP14, BMS08b, Bra06, BGS10, CMO18, CMVW20, CGM10, Che09, CPS18, CKP15, CN19, DG06, DLS21, EG06, GV22, HP08, JSB23, KLRW19, KL12, KM08, LM22, LMN20, Mar07, Mar11, MX96, MX97, Men22, PMLFT09, Pri06, QvGvW+15, RR07, RS12, SJB23, SV10b, TZ17, Vos03, WLR02, WL22, Yam06b, Zha04, ZC19]. **Problems** [DGH14, Ahm19, AR09, AL08, AH03, Ash17, ADM07, AH04, BBS19, BMFJ+06, BB20, BB01, BMX99, BFS08, BKS22, Bir12, BY99, BRC+16, BRS08, BL06, Bog05, BEFSC23, BDKP22, Bor09, BBKL15, BFR19, BK16, BOR23, CRS94, CP00, CS94, CR23, CLP20, DLM23, DSSS13, ELST18, EEM24, FCA21, FKK10, FK08, FMR15a, GKM16, GS15, GS23, Göt06, GN14, GHS14, HKLW20, HJ08b, HS97, HHO14, HLNT18, HM22, HW22, HSR23, HC06, Jah22, JL23, KK08, KLS16, Kal20, KJ09, Kin11, Kin13, KKR18, KKR20, KN03, Kol12, KV13, KL18, KRZ16, Lam05, LV08, LV22, LO07, LN10, LMN10, LT14, LR16, Lis08, LMR15, Lub06, LR03, MR18, MM04, Mar18, MST08, Mav97, MJV20, MW02, MS07, MP08, NR14, Neu19, NZ14, NB08a]. **problems** [Ng94, NRS17, Oos03, PSG+23, PP22, PW13, Pea15, PSS99, RMH22, RKvdDA14, SdS06, Sor98, SZ20, TV07, TLL15, TMS97, Tos00, TW16, TWZ20, VK99, Wac13, WLHH18, WR09, Woh00, WSS98, XS20, ZM13, dJvdPDV17]. **process** [AHS17, BY98, Meu15]. **processes** [GK21, Raj08, Sch03]. **processors** [JC06, dJvdPDV17]. **producing** [Raj08]. **product** [ABH17, DO18, Drm15, LNG15, Ste97b, VB95]. **products** [BDR09, BEN94, BMSR06, GW10, GHS14, Mee98, Ste95, Ste97b]. **programming** [AM06]. **programs** [JO08]. **projected** [Dos08, HNP10, Sty08]. **projected-gradient** [Dos08]. **projecting** [AS05a]. **projection** [DJ06a, GNR15, JST05, KS00, Lam10, Lóp16, LRL08, MST08, Ned20, Osb08, STO08]. **projectors** [She10]. **Proof** [Zei99].

propagation [HJ08a, PK08]. **proper** [PP22]. **properties** [EMS09, FJK+20, KM07, LR24, Mál08, MY02, Ram08, Rap06, SMS+19, Wei94]. **property** [Pop08]. **proximal** [FG17, MJV20, Val19]. **Pseudo** [Par21, Zho06]. **Pseudo-linear** [Par21]. **pseudo-multivariate** [Zho06]. **Pseudospectral** [Lui11, CQ01, EBJ21]. **pumps** [BKO17]. **pursuit** [LM22]. **pyramids** [GH99].

Q [Meu17]. **Q-OR** [Meu17]. **QR** [BGP04, BDG04, Kre05, MH01, OB05, Ste95, VVM08]. **QR-factorization** [VVM08]. **QR-factorization/solver** [VVM08]. **QR-like** [BGP04]. **quadrant** [ABC23]. **Quadratic** [ČF18, BFS08, Dos08, Fat98, FJK+20, MS14, MV15, Sta02, Sta06]. **quadratically** [HMRS04]. **Quadrature** [Atk04, AS05b, GM06, RGVP99, ACR99, BCGAM08, CS14, DV12, DNV05, DDPS20, ER01, Gau99, Gau06, Ill03, JKM+22, JST18, MJ11, MJM16, MPS18, Ng97, Not16, Pej23, PPS18, Roş09, Sin95, Tom23, VV18, CDN09]. **Quadrature-free** [GM06]. **quadratures** [Che06, CBGV05]. **quadrilateral** [HK10]. **quadrilaterals** [HRV13, HNV21]. **quality** [BSDMGFTR09]. **quantification** [Jah22]. **Quantum** [Arv06, Man08, Roz06]. **Quasi** [BBMP06, FFK+15, GM06, HK17, LMN20, NR14, SHZF08, WLHH18]. **quasi-cyclic** [HK17]. **quasi-interpolation** [GM06]. **quasi-Lagrange** [WLHH18]. **Quasi-Newton** [BBMP06]. **Quasi-optimal** [FFK+15, LMN20]. **quasi-residual** [SHZF08]. **quasi-solutions** [NR14]. **quasilinear** [MS07]. **quasiseparable** [EH15, EH23a, VVM08]. **quaternion** [AAS21, CS99, JO05]. **quaternionic** [JO07]. **quaternions** [Opf10]. **question** [She06]. **questions** [HS08b]. **quotient** [Fat98, Hen94, OS98]. **QZ** [MS06, Sor98].

radial [ÁNCQ06, GSV12, LW06, RWOS21]. **radially** [HT24]. **radiation** [Sta03]. **radii** [KQT13]. **radiosity** [ACS00, AC06, NND06]. **Ramanujan** [IL06, Sch06]. **Random** [SCCJC09, BP07, Els05]. **Randomized** [SGG15, Boc23, EKPR19]. **Range** [BOR23, FJK+20, Psa04]. **rank** [BKK+18, BSS16, DS11, GO10, GM04, KL21, Kür19, LM20, LP24, MS08, NP20, SGG15, SGB07, Sty08, WA08]. **rank-** [NP20]. **rank-1** [KL21]. **rank-deficient** [SGG15]. **rank-one** [MS08]. **rate** [GHK+22, HHP19]. **rates** [EBJ21, FFK+15, Ger17, HP20, Kin13, MH22, NR14, Neu16, RR10, ZN23]. **Rational** [ABC23, BB14, Bar06, BE22, Bor09, FI20, Gla08, GPT11, GK14, Ill03, MPV15, Pri96, RGVP99, SL12, VVV19, Van07, VC14, Vos03, XX23]. **rationally** [FGV09]. **Raviart** [LMR15, YG96]. **Ray** [Pri96, BL97]. **Rayleigh** [Fat98, Hoc05, HP08, OS98]. **RCWA** [HS08b]. **reaction** [DE06, EG06, LR16, LK21, PP22]. **reaction-diffusion** [DE06, EG06, LK21]. **real** [BDD06, CBGV05, KM17, Mas02, MMN18, NPR08, TC08, XBC19]. **realizations** [CGB22]. **reconstruction** [Han21]. **reconstructor** [RS21]. **recovering** [SS23]. **Recovery** [AR14, DdSV20, Lam10]. **rectangles** [Hoh06]. **Rectangular** [BGMSC22, GMS22, MC05, Pop08, SGB07]. **recurrence** [ÁNCQ06, CFÁN09, HS21, Koe07, LB96]. **recurrences** [GH94, Mez23, Rum20a, Rum20b, Wei94]. **Recursive** [Nov05, Soo16]. **Recycling** [GS15]. **Reduced** [DS11, HOR08, HQR22]. **reduced-order** [HQR22]. **Reducibility** [GS94]. **reduction** [Auz18, BB08, BJM22, BFK+10, Cha11, DM23, EEM24, FMOS21, FGV09, JOT08, PP22, PK08, Ran07, Wat06b]. **reduction-based** [BFK+10]. **reductions**

[JO05]. **reference** [RT05]. **refined** [Hoc05, OR11, TC08]. **refinement** [BMM97, DDS+18]. **reflectors** [SS09]. **regimes** [BKS18]. **region** [Bar05, FLS20, LHL+20]. **regions** [BSDMGFTR09, Hoc11, LP09, Leo06]. **regression** [FTRH20]. **Regular** [GS23, ZB10]. **Regularization** [BL06, CKH14, Ram08, BD17, CLRS04, CNO08, DJ06a, GNR15, Ger17, HHP19, HP20, HW22, Kin13, MS23, MH22, Neu16, PSG+23, PBP22, RR10, RY09, RY15, Ste21, VW97, Wac13, Wu03]. **Regularized** [LM22, AVV14, AAA20, LV08, LV14, PR20, WNK18, ZM13]. **regularizers** [DdSV20]. **regularizing** [DSC08, HJ08a]. **Reichel** [RS14]. **related** [FMMS08, Gau06, Göt06, JO17, LB96, Ped07, RR07, Roz06, TT05]. **relation** [GN16, KM96, Wih23, ZY13]. **relations** [ÁNCQ06, CFÁN09, Mál08]. **relationship** [Soo17, VCL08]. **relativistic** [BKS18, GGCT09]. **relaxation** [ENH10, Gan04, GKM16, LM00, Pop08]. **remark** [Bar06]. **Remarks** [PP06, YG96, Zít08]. **Remez** [Yat06]. **Remez-type** [Yat06]. **Renyi** [BFdP+18]. **representation** [DFV09, DJ06b]. **represented** [ABH17]. **research** [Bra97, Not16]. **Residual** [LPS20, ABJE15, CR09, Gat04, Kür19, LMSY14, SHZF08]. **residual-based** [Gat04]. **residual-minimizing** [Kür19]. **resistive** [OWC+22]. **resolvent** [DDN23, SG98]. **respect** [Tom23]. **response** [TLL15, TZ17, ZC19]. **restarted** [Bre16, CRS94, HRT08, Sch16, ZN17, Zít08]. **Restarting** [SS98, BR14, WE13, ZC19]. **restoration** [Bar05, CCC07, LPS20, LPS23, NO02, ZM13]. **restricted** [BOR23, OB05]. **restriction** [PP06]. **result** [KRZ16]. **resultant** [WA08]. **results** [BCDV06, BBKL15, DDPS20, EP07, GK08, Gre04, HP20, MN08, Mil23, PQRT06, SPSC23]. **retards** [LR03]. **Retooling** [Dub01]. **Reuben** [BRZ23]. **revealing** [FXG19, GM04]. **reversible** [Jac10, Tif13]. **review** [LKRO24]. **revisited** [Arv06, LT14, LT18, Sad15, Sel02]. **Revisiting** [BdPNdP14, MV15, NP19b]. **Reynolds** [Kan08, Kan15, Kan19, Ste97a, TDLC09]. **Riccati** [ABM93, BMS08b, BP21, BMP09, EMS13, HJ09, KM20, LC14]. **Richardson** [FMOS21, MP08]. **Riemann** [MF06]. **Riesz** [MSCU21]. **right** [BBS19, BK02, EJS03, JST05, LZ08b, MZLG14]. **right-hand** [BBS19, BK02, EJS03, JST05, LZ08b, MZLG14]. **risk** [BJM22]. **Ritz** [Bea98, DTM17, Hoc05, HP08, Meu15, PP08, ZN17, ZN23]. **Rivlin** [MPS18]. **Robbins** [Zei99]. **Robust** [GPT11, LR16, STX23, BZ03, BGP04, BHRT03, Dob12, GN14, HRT08, HK18, Jac10, Kol12, Pea15]. **robustness** [LMN20, SSBS22, WE13]. **role** [Sch08a]. **root** [BGP04, Car11, Car12]. **root-finding** [BGP04]. **roots** [Bin24, CG22, Gra16, JO07, MV15]. **Rosenberg** [BRZ23]. **rotated** [MC05]. **rotating** [STO08]. **rotation** [GK08]. **rotations** [OB05]. **Rounding** [Mez23]. **Roundoff** [YNYF15]. **row** [AS05a]. **RQ** [Yan98]. **RQ-iteration** [Yan98]. **RRB** [dJvdPDV17]. **RRB-solver** [dJvdPDV17]. **rule** [DO18, LWH20, MS23, Sch93]. **rules** [ABC23, ACR99, Bar11, BCGAM08, DRST16, Gau06, HSKR22, JST18, Kin11, Kin13, LMM12, Maj21, MJM16, Ng97, OSLS20, Tom23, Van19]. **Runge** [AS14, Bir12, GS94, LT18]. **Rush** [CLP20, PV09].

Saddle [TP24, BBS19, BL06, BG24, CR23, GS06, GO10, HC06, LO07, LN10, LR24, NB08a, SdS06, Sim10, Woh00]. **saddle-point** [BL06, BG24, SdS06]. **Saff** [She06]. **sampling** [Ash17, AAA20, AAH22, BP07]. **Sassenfeld** [Wih23]. **satisfying** [ČF18]. **Scalable**

[JC06, MR18]. **scalar** [GHS14]. **scale** [ABJE15, ABHK09, BMS08b, BFS08, Cha11, HT24, HJ09, KM20, LV14, LR03, Sor98]. **scaled** [FG17, Men22]. **scales** [EP07]. **scaling** [ORT23]. **scattered** [GK08]. **scattering** [CL03, GSW08, HR14]. **Schatten** [DSA22]. **scheduling** [BC05]. **scheme** [AD24, BPP15, Bra06, GGCT09, GN14, MM21, OR21, SSVS12, SJB23]. **schemes** [AS09, AS12, ADW15, BC09, Boc23, BEN94, CP00, CO20, HOR08, Mar18, MS07, WO97]. **Schmidt** [Bar15]. **Schrödinger** [BKS18, CQ01, GSV12, Kle08]. **Schur** [GJO23, GH94, HLV24, KLS16, Kal20, Wat06b, Zha00]. **Schur-type** [GH94]. **Schwarz** [BDKP22, Bre03, BGyS21, Cal15, CPS18, CG18, DK10, DHI03, ELST18, ELT21, EDG+15, FSS97, Gan08, GMS22, Han06, HKKR18, HC06, LDB13a, LDB13b, LMR15, LK21, Mar07, MR18, MP08, Par21, Xu18]. **scientific** [BC05, BDR09, Bra97]. **second** [ABBS07, HHP13, LP08, Mok16, NNR99, NC06, OR21, Sch08b, TW16]. **second-order** [Sch08b, TW16]. **sections** [JN10]. **sector** [LZ08a]. **segmentation** [JC17]. **Seidel** [Sil03]. **SEIR** [GHK+22]. **selection** [BMS08b]. **Self** [BKS15, BFM12, EST06, GS15, GHS14, KK08]. **self-adjoint** [BFM12, GS15, GHS14, KK08]. **Self-generating** [BKS15]. **self-similar** [EST06]. **selfadjoint** [XBC19]. **Semi** [ENH10, DLS21, LC14, WR09]. **Semi-convergence** [ENH10]. **semi-implicit** [DLS21]. **semi-iteration** [WR09]. **semi-stabilizing** [LC14]. **semiaxis** [Mas02, MMN18]. **semicircle** [Mil23]. **Semicoarsening** [Den97]. **semiconductor** [SMS+19]. **semidefinite** [CR23, DSA22]. **semidiscretisations** [LKRO24]. **semiiteration** [HH93]. **semilinear** [AH04, Bog05, DB08, Gan04, HL20, NB08b]. **seminorms** [BD17]. **semiseparable** [Kei08, QvGvW+15, VVM09]. **semisimple** [AK20]. **sense** [JST18, MS08]. **sensitivities** [SJ08]. **sensivity** [BD04]. **Sep** [Mit23]. **Separable** [Osb08, Bor09, SY09]. **separation** [Gra16]. **sequences** [BGSC20b, BGSC20a, BGMSC22, Ber04, BSCT22, BEFSC23, CP03, DJJ11, Pri96, SPSC23]. **sequentially** [QvGvW+15]. **serial** [KP24]. **series** [DT09, For02, GRS00, KS18, LWH20, Mez23, Ste02]. **set** [CKV04, DTM17, JST18, Lei19, OB05, VCK08]. **sets** [AO10, AK06, FKSV07, KV95, VK95]. **shallow** [DHI03]. **shape** [MH17]. **Sharp** [ZN17, Gau10]. **sharpness** [Var01, Yat06, VK95]. **shell** [LM22]. **shift** [BKS15, Kür19, Mee98]. **shift-invert** [Mee98]. **Shifted** [CRZT20, BDG04, EN08, RSN21, SHZF08, Soo16]. **shifts** [Gre22]. **Shishkin** [ELST18]. **shocked** [HLC10]. **short** [ČF18, Wei94]. **sided** [JO14]. **sides** [BBS19, BK02, EJS03, JST05, LZ08b, MZLG14]. **signal** [For02]. **Signorini** [BB01]. **similar** [EST06]. **Simple** [RY09]. **Simpler** [LZ08b]. **simplex** [Xu06]. **simplification** [LP08, LP17]. **simplified** [KR20]. **simply** [ACH22]. **simulation** [DDS+18, GLMT21, NW03]. **simulations** [BHRT03, EHK22, Ema10, JS18, RWOS21, SMS+19]. **Simultaneous** [HHP19, MO24, VV18]. **sinc** [AAH22, Hoh06, NND06, Ned20, Yam06a, YG08, EG06, Yam06b]. **sinc-convolution** [NND06]. **sinc-Gauss** [AAH22]. **single** [MX96]. **single-input** [MX96]. **Singular** [FKSV07, Atk04, BSCT22, BG24, BFK+10, Che94, FFK+15, FXG19, Ger22, GS06, Hen94, Hoh06, IN11, JO14, JR02, JR04, JKM14, LY14, MS14, Man06, MM04, MR93, Ned20, OS15]. **singularities** [JKM14]. **singularity** [Ill03, Nos23]. **singularly** [Bog05, Bra06, BFR19, ELST18, EG06, GN14, KS06, KK08, LR16, LK21, Mar18, XS20]. **singularly-perturbed** [EG06]. **Sinkhorn** [LPP23]. **SIR** [GHK+22]. **SIRT**

[ENH10]. **sixtieth** [RS14]. **size** [LMM12]. **sized** [CG18]. **sizes** [Sch05]. **skew** [AM11, BMX99, BBF+00a, BBF+00b, BMX07, Gre22, MM21, WL22]. **skew-circulant** [WL22]. **skew-Hamiltonian** [BMX99]. **skew-symmetric** [BBF+00a, BBF+00b, BMX07, Gre22]. **skew-symmetric/symmetric** [BMX07]. **skew-symmetrizers** [MM21]. **slices** [BLM06]. **slider** [RWOS21]. **Slit** [DK10, CMR12]. **slope** [Sch08b]. **small** [FL07, Leo06]. **smooth** [CN19, LPS23, LW06, Mok15, ZZW20]. **smoothed** [BDH15]. **smoother** [Sil03, Ste97a]. **smoothers** [Bir12, LM00]. **smoothing** [BFH+15, GN16, HNS04, Mav97, Pop08, RY09, TV18]. **Sobolev** [Bre04, BMSR06, GCPP99, HSR23, PQRT06, RÁRP06]. **Softmax** [FTRH20]. **Software** [Koe99]. **solid** [SV10b, Vos03]. **Solution** [Hoh06, NRS17, ABM93, AL09, AH04, AC06, BMX99, BP21, BMP09, Bol08, BEFSC23, CR96, Che94, CDV23, DG06, Die97, EHJM17, FKK10, FMO23, FMR15b, GJV13, JSB23, Kal20, KN03, KL18, Nas15, Neu19, Sta03, TMS97]. **solutions** [Aco06, BEG15, Cab07, DB08, FL07, HQR22, HJ09, LC14, MYZ18, MFMGO05, Mok15, NB08b, NR14, VS22]. **solvability** [BKO17, MM09a]. **solver** [HRT08, Kol12, PLM03, VMV07, VVM08, dJvdPDV17, MLR22]. **solvers** [BHRT03, BSS16, Gut12, PW13, Sta03]. **Solving** [BFS08, VMV07, ZM13, AM06, BBS19, BKS22, CH22, CCC07, CL03, CR09, DMO23, EG06, EDG+15, GGCT09, HMRS04, KL12, LV08, Meu17, MS08, NND06, Ng94, OR21, Pea15, PV09, RMH22, SHZF08]. **Some** [BB01, Gre04, She10, Zít08, AH04, BSS09, DDR95, DJ06b, FKK10, Gat04, Han21, HSKR22, MS14, NB08b, PV22, PR20, Rom07, Rum20a, Rum20b, Sch08b, OSLS20]. **sonic** [Dis97]. **SOR** [HS08a, HLV24]. **sorted** [AO10]. **source** [BLM06, MM04, Neu16]. **Space** [BRS08, AS14, AS22, Bol08, DP20, GM22, GHS14, Gut12, HNV24, HJV18, HKKR18, HKLW20, HLNT18, LN20, MVV09, MSCU21, MH22, PCP06, Sch03, SZ20, WLHH18, ZW22]. **space-fractional** [MSCU21]. **space-time** [AS14, AS22, HJV18, HLNT18, SZ20, ZW22]. **spaced** [Roş09]. **spaces** [CMO18, HKKR18, KRR16, KKR20, MS06, MR18, Mas02, PQRT06, RÁRP06]. **spacing** [VA09]. **Spalević** [Pej23]. **Sparse** [AR14, HBS22, BB08, BR08, BM05, Bun97, CFM+10, Che99, DdSV20, Erh95, GW10, LS05, MM21, PV05, PCP06, RT05, SG06, TMS97]. **Sparsity** [MH17, LMM12, Ram08, RR10, RZ12]. **Sparsity-inducing** [MH17]. **spatial** [RMH22]. **spatially** [JG14, LDB13a, LDB13b, Val19]. **Specht** [SG94]. **Special** [BJR+09, RS14, BK02, ELT21, HK14, Koe99, KS18, SPSC23, GOR+08]. **specific** [MHC22]. **specified** [AK20]. **SPECT** [Bar11]. **spectra** [XBC19]. **Spectral** [AR09, GGM12, Gut12, KLS16, LR24, AH10, Aur15, BEFSC23, BK16, DHI03, GS24, HS08a, HT24, HJ16, Jac10, Kal20, KV95, Lam05, Lam08a, Lam08b, LN20, Mee98, PPN13, RVL24, Vos03]. **spectrum** [FXG19, SF93]. **spectrum-revealing** [FXG19]. **sphere** [AS05b, BP03, Fer05, GM06, Leo06, Leo09, TDLC09, Yat06]. **Spherical** [Roş09, DP20, FM02, LM22, SSVS12]. **spheroidal** [MACI06]. **spin** [KM07]. **spin-stabilized** [KM07]. **spline** [ČF18, KK08, Kha06, LR16]. **splines** [VC14, VC15, ZK17]. **split** [CD24, DdSV20]. **split-preconditioned** [CD24]. **splitting** [CGT05, CR23, JS18, MJV20, WL22, ZB10]. **square** [Boc97, RY09, VCK08]. **squares** [Aco06, BKS22, BMM97, BY99, Bor09,

CMM95, CNP94, CL03, Faß96, GPT11, HJ16, KS00, LV08, LV14, Men22, MS08, Ng94, Osb08, Pav99, Ste21, VB95, WNK18, ZM13]. **SR** [Faß07, SAA09]. **stabilised** [GV22]. **Stability** [BD04, CCDR08, GK08, KM07, Sch05, AS14, AD09, BFM20, Boc23, CD24, FH13, HK18, Kou97, MV15, RMH22, Ste97b]. **stabilizability** [KQT13]. **Stabilization** [MST08, BL06, CX21, LRL08, Sch08a]. **stabilized** [KM07]. **stabilizing** [LC14, RV08]. **Stable** [MB06, APL04, AMVW15, CX21, DLS21, Jac10, LRL08, PSC97, Tif11]. **stage** [BMPS95, CMP01]. **Stagnation** [Soo17, Meu12, Sim10]. **staircase** [BMX07]. **standard** [Bre03, CMO18, HLP10, KL18, SvdVM98, dMPPR99]. **standing** [BL97]. **starlike** [BE22, JL23]. **state** [DN11, Per00]. **states** [FMSV08, Jac10, Tif11]. **stationary** [FMP96, LMS97, LP17, RV08]. **statistical** [Jah22]. **statistically** [Bar11]. **Steady** [DN11, CR09, EHK22, Per00]. **Steady-state** [DN11, Per00]. **steepest** [AEEG08, NZ14]. **Stein** [BRZ23]. **stencil** [dJvdPDV17]. **step** [AL09, IE17, LMM12, MSV95, Sch05, Xue22]. **stepped** [FJMS06]. **stepping** [CLP20, Kle08, ZW22]. **steps** [HL22]. **Stieltjes** [DJJ11]. **stiff** [CLP20]. **still** [Lub06]. **stochastic** [ADW15, BB00, BC05, DN11, LMW20, RKvdDA14, Sch03, Sch05, Ste21]. **Stokes** [AL09, BBD18, BB20, Boc97, CMM95, Dob12, ET09, GS07, HJ16, LMN20, Mav97, Pea15, Per00, TWZ20, WD08]. **Stopping** [AL08, Bar11, HJV18, HSKR22]. **story** [Lau08]. **strain** [Ran07]. **strangeness** [LT18]. **strangeness-free** [LT18]. **strategies** [Bre16, CX21, CP03, DDS$^+$18, KP24, Spr02]. **strategy** [PSC97, SHZF08]. **stratified** [TDLC09]. **streaming** [GW10]. **Strong** [GM04, DK13, RR07]. **strongly** [TDLC09]. **Structural** [CFÁN09]. **Structure** [MLR22, MX15, BFS08, DS11, ELT21, EH23a, LC14, MW02, QvGvW$^+$15, Sim06]. **structure-preserving** [BFS08, LC14]. **Structured** [FMMS08, Gre22, NRV21, WA08, BBD$^+$08, BSDMGFTR09, BC09, BKK$^+$18, BMX07, DHK$^+$00, GM22, LT18, MM04, MX15, NPR08, Nos23, Smi10]. **structures** [FJMS06, GLMT21, HR14, SV10b]. **study** [ÁNCQ06, AC06, CT03, HS08b, LHL$^+$20, SK06, SK08, STO08, TDLC09]. **style** [Oos03, PPN13]. **sub** [GZLC22]. **sub-network** [GZLC22]. **subdiffusion** [RMH22]. **subdomains** [Cal15, CG18]. **Subgaussian** [AR14]. **subgraphs** [DK13]. **subimages** [NO02]. **subintervals** [DV12]. **subject** [SGB07]. **subspace** [BBS19, BSS09, BFS08, DdSV20, DSSS13, FP01, FLS17, GS15, GHS14, KM20, Lam05, Lam08b, LY14, MSS15, Meu17, RVL24, SS08, Soo22, VVV19, WO97, Wei94, XX23, ZN17]. **subspace-accelerated** [DdSV20]. **subspaces** [AS05a, MPV13, MPV15, SvdVM98]. **Substitution** [FI20]. **substructures** [PV05]. **substructuring** [BW12, KRR16, SM08]. **suitable** [dJvdPDV17]. **sum** [OS15, PMLFT09]. **summation** [Sch06]. **sums** [FvdMS14, KM17, PT13, VCL08]. **sup** [LRL08]. **Superlinear** [BK02, SST23]. **superresolution** [EKPR19]. **SUPG** [Kno08]. **support** [BDD06, ČF18, JOT08]. **supported** [HS12]. **surface** [MB06, YHL$^+$20]. **surfaces** [Atk04, HT24]. **Surrogate** [EHK22]. **survey** [DDPS20, JVV12, LV22, MMN18, Not16, RÁRP06]. **SVD** [Cha11, Drm15, FMSV08, HRT08, JJ10, Ste97b, Tif11, WL12]. **SVD-based** [Tif11]. **SVD/Krylov** [Cha11]. **swallowtail** [FLS20]. **swapping** [CMVW20]. **Sylvester** [ABJE15, BB14, BKS15, EHJM17, KV13, WA08]. **Sylvester-observer** [EHJM17]. **Symbol** [MSCU21]. **Symbol-based**

[MSCU21]. **symbolic** [ABC23, KL21]. **symbols** [BEFSC23]. **symmetric** [AM11, AMVW17, BBF+00a, BBF+00b, BB14, Ber04, BOS08, BGS10, BPS17, BMX07, CRS94, DSA22, EH23b, FGV09, Gre22, HNV21, HT24, KLS16, Kal20, KN03, LS05, LNG15, LT05, LK21, MPV15, MN08, Nos23, SG06, SHZF08, SS98, Ves96, Vos99, WSS98]. **symmetric/symmetric** [BMX07]. **Symmetrization** [DFG23]. **symmetrized** [BMSR06]. **symmetrizers** [MM21]. **symplectic** [ADW15, CQ01, GS94, MSS15, SS09, SAA09]. **Synchronous** [GMS22, BMPS95]. **synthesis** [HK14]. **system** [AS22, BMM97, CMM95, CL03, GGM12, JO08, Pav99, SSBS22]. **Systems** [Cot06, AS09, AS12, BKS18, BB08, Ber04, BG24, BFK+10, CR96, CH22, CC00, CFM+10, Cha11, Che94, Che99, CJS23, CS99, DMO23, Den97, EJS03, Ema10, FMMS08, Fra21, FJK+20, GSW08, GS06, GO10, HH93, HSC23, JST05, KQT13, LX23, LB96, LZ08b, LK21, MM21, MSV95, MZLG14, MN08, Meu17, MS08, NN16, NB08a, Pop08, SG06, SGG15, SHZF08, Soo16, VMV07, ZB10]. **Szego** [DNV05, DRST16, LT94, MF06].

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