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Title word cross-reference

(1 + 1) [RF10]. (k) [YC99].
(\lambda^2 A + \lambda B + C)x = b [SP02]. (m) [WOW00].
(Re \leq 9500) [GHTW00]. 1
[LW03, MMVW13, RMB00, VB07]. 2
[ABST13, ACD+08b, BLS14, BH97, Bl09, BK14, CMV97, CD01, KW07, KP06a, Kra09, Lam97, LR07, LYL+11, LW03, MT97a, NN03, Sma01, vVKA11]. 2, 3, 4
[Goe97]. 3 [BIA99, BIA05, CP13, CWL+14, CDB13, CMSS06, CH11, Don06, GH13, GD03, HA01, Kra09, LS12b, LFJS14, Min02, PS10b, PWGW12, PELY13, PRSS11, RY03, RH06, Sch05, ZCW10]. 5 [Goe97]. 6 [RY03].
2 [MW13]. A [APSG14]. \alpha
[BFM+04, BMM+10, PR09]. B [Red99].

c^* A^{-1} b [ST11], C^1 [LR99], \ell [SvG10a], \ell^1 [CJ10]. \ell_0 [APSG14]. \ell_1 [NNT13, GLN09, YZ11]. \ell_2 [CXY10]. \ell_p [CXY10]. \eta [CB98]. f(A)b [CAS11]. h [Am96, BH12, CDB13, EOD93, GC97, HTB+05, DMMO05]. H(curl)
[LO11, RKL09]. H(div)
[LSS03, VM13, DHGL12, MG07]. M
N\log_2 N$ [FMP06]. $O(1)$ [BMF12]. $O(2)$ [Was94]. $O(N)$ [GM14a, OKF14]. $P$ [CK03, Ain96, B100, BBR08, CG99, Cas97, GC97, HGK97, JP11, MSL13, PP12b, TB99a, ZK96]. $P + 1$ [vNLB04]. $P_{1/2+rt}(x)$ [GST09]. $p_{NC}$ [Le 05]. $P_1$ [Kan03a, Le 05, WWM03]. $PN$ [HM10b]. $qd$ [von97]. $QR$ [But13, DGLH12, HvG96, Nag93, VD10, Wat94]. $r$ [EOD93]. $r^{-\lambda}$ [CJ05b]. $R^3$ [AB08b, HS99b, PL12, Atk94]. $R^n$ [CBN02], $\rho$ [CFH+03]. $s$ [SvG08, Son12]. $S_N$ [KR14, Lee10a, Lee12, Lee10b]. $T$ [LZ13b]. $\tau$ [Ber97]. $\Theta$ [WL08, TSK09]. $TV$ [CJK10]. $V$ [Kwa99, BGP94]. $\varepsilon$ [BRZ14]. $w = f(A)v$ [TE07]. $X + A^T X^{-1} A = Q$ [GL10]. $xx$ [CLW13, CLQ12].


- Version [AGH13, CG99, Cas97, ZK96].

14 [BEM94].


5/CM [BP97b]. 5E [BP97b].

60th [PS97]. 754 [MRV06]. 94e [BEM94].

Abscissa [MG12]. Absolute [VK13]. Absorbing [ABK11, BHG14, FJ99, HY14]. Absorption [LP96, MMMY96]. Abstract [Del14]. Accelerated [BY93, DMSW10, EG01, FsdV98a, FP14, KK09, MR07, NKLW94, PS10b, RSHK11, VTD12, ZC04, EB96, LK93, MW13]. Accelerating [BRZ14, DCN11, IT09a, LRSV11, LY13, MG09, NKTY08, ADRS95]. Acceleration [BGOD08, CC03, Gar05, HHSW11, HBS00, LSV13, OW00, RWA95, VN03]. Accessible [KMA+12]. Accumulation [RW97]. Accuracy [AIY98, BP97b, BCC98, CGAD95, CLAT10, CK94, Cor98, DMPV08, DS95b, DS97, Dor10, JZ00, LS09, LB06, MR02, MKR13, NN03, PQOB14, ROGY10, RF07, Sch96, SZS97, Ske00, ZLJ96, Zin00, vHBTC12, vSRV11, Hig93]. Accuracy-Conserving [MKR13, vSRV11]. Accurate [ABMR11, AO07, AP12, BR09, Che05, DH03, Drm97, DKM14b, EE14, GBCT10, GST12, HG02, HT13a, HLW00, Hen06, JL11, Kou09, KP05, KM12, KR12, Kye12, LG09,
Achieving [BFA13, Ros05a]. Acoustic
[BC06, BS06b, FKTW10, Kö07, Mal07, MZ94, RZ03, Smi97, Str99]. Acoustics
[BHG14, Nat98]. Across
[TLLK09, Lay06, LP06]. Action
[AMH11, Ber98a]. Active
[CDW14a, CDW14b, HSW08, KP11, ZJX14]. Active-Set-Like [KP11].
Activity [RC06]. Acyclic [GTMP07, MZW09].
Adaptation [Che94, DF10, Hua05, RH06, Wal99]. Adapted [AMP00, CCA03, DZ12, GHK14, Lab05, RHSK11]. 
Adaptation [MP08].
Adaptive
[AA02, AG10, AMM11, AG13, AD06, AB00, BBSV10, BB13, BLH02, BG14, 
Ban08a, BH00a, BL04a, BO07, BBC04, Bas98, BC06, BBSW94, BC09a, BK06, BZ12, 
BB05, Bör07, BF04, BF05, BMM10, BMV11, BTGH12, BWG11, CHR99, CSW99, 
CP03a, CD02, CWZ07, CCCZ10, CVK13, CDB13, CHH10, CM13, CVE13, DMS01, 
DM10*08, DM13b, DJHJW08, DKKP14, DLZ10, DZ08, DMD+12, EV13, EW00, 
EVM10, FL02, FKK+14, GT98, GB06a, GGS08, GI10, HMD08, HSO5a, HSO2, 
HR99a, Ho05, HEGH14, HLP04, HS01a, HB97, HS94, IJ08, JS93, Jah10, JZT08, 
Jam98, JF11, JK11, JP97, Jou94, JGZ06, KKV13, KGGS10, KV05, KY05, 
KHHvBW13, Kuli12, KP07, LG97, 
LP03, LM14a, LJJ98, LT14, Log03a, Log03b, LFLS08, LK04, LR98, MS13, 
MV09, MK08, Moo00, NKLW94, NJ14].
Adaptive
[OPB06, PB04, PTDVM08, PP05, QZT11, Rav02, Rüd94, SP03, SDNL10, 
Ste00, SMN10, Str94, TW12, Ten08, TL12, 
Tra95, TP09, TY11, TLE12, WMC11, 
WMC12, WCHZ14, WM11, WMUZ13, Yu01, 
Zas95, ZJC12, ZMS10, Zie12, dLRT09, 
vdDA12, EOD93, FF94, HL97, NP96].
Adaptive-Krylov [LT14]. Adaptively
[BCGR98, HG00, Lee14, RKL10, TT06].
Adaptivity [BP13b, CEJ+10, CPB13, 
CM09, FDE+06, Har08, MHS08, SVO8a, 
vdZvBd10a, vdZvBd10b]. Add [Goe97].
Additive
[AP99, Bre00, CS99, CL11, CGG07, GH99, 
GC97, HMR09, Jay98, Kra12, PS08, 
SCGT07, Vil14, Wan12, WGT14].
Adequate [FH06]. ADER [AGH10, TM14].
ADI [DMM10, TV98b, ZsSpH14].
ADI-Like [DMM10]. Adiabatic [Jah04].
Adjoint [ATK12, Bon01, CLPS03, CO+04, 
CEJ+10, CSW14, FFHR13, FR10, Sch05, 
TW13b, WLE+00, W109, ZS14, Sta97].
Adjoint-Based [ATK12, CSW14].
Adjoints [HM10a]. Adjusting [Ste02].
Adjustment [CLP08]. advanced [NP93b].
Advantage [MM98].
Aeroacoustic [Dor10, RSA05].
Aerodynamic
[Har08, HS06b, Haz08a, Haz08b].
Aerodynamics [Tsy99]. Affine
[KA95, Kor93]. after [GB98]. Age [BF13].
Agglomeration [JVB01]. Aggregation
[BFM+04, BMM+10, CM09, Cho05, 
DMM+08, DMSW10, DMM+10, FKK+14, 
GaP08, JKKM01, KW10b, MN08, Not12, 
PoH09, ST08, TY11, DS96].
Aggregation-Based
[FKK+14, JKKM01, MN08, Not12].
aggregation-disaggregation [DS96].

**Algebraic** [AC05, AS94, AP99, BQQ08, BGL08, BDO12, BGH+03, BHST08, BGS09, BBB+11, BB03, BBC07, BF10, BK14, BCF+00, BFM+05, BTB05, BHP98, BK11, CG95, CLPS03, CGL01, CC02, CH02, CS11, CW93, CFH+00, CKK03, DMMO04, DMM+10b, De12b, DM13b, Der08, Doh07, Elm98, Elm00, EN09, FS14, Gar97, GB98, GOS03, GPS95, GW00, HKK02, HR05, HMM+13, HvG96, HTB+05, JSV10, KKV13, KY03, Kru01, Kra08, KMRW97, LO11, LB12, MO08, MV94, MB00, Mis01, NN12, NN14, Not12, Ob07, OST11, OT11, PRM97, Pul08, RMB00, Sch05, Sch09, SS10a, SH14, VV13, Vir07, WHCX13, WMSG09, WE06, YGB+05, Zas95, BHP94, HTW+12, Lam97, MT97a, MS93a].

**Algebraical** [WB99]. **Algorithm** [AKA13a, AKK14, And99, Ash95, BS99a, BS02, BK98, BK99, BS05b, BS98, BCF01, BI00, BC09a, BK06, BR05b, Boz09, BZ97, BVV03, BLNZ95, C210, CMS94, CC08, CC10, CP03b, CDM+13, CHO12, CRT11, CWD13, CSW10, De12a, DM13b, DZ12, DP07, DDF00, DPV05, DTV13, EW00, EBS+11, FS11, FP07, FJ99, GH07, GVP06, Gar97, GAMV13, GV13, GL03, GLR07, GM13, GS05, GKK10, GMPZ06, GLN09, GrM10, HLD12, HT14a, HMST11, HJ07, HHSW11, HK99, HL95, HvG96, HWD02, HS06d, HVW95, HR98b, HS01b, HSW08, HGP+M14, IJ08, JK07, JN10, Jou94, Kas95, KV12a, KHRvBW13, KHRvBW14, LV98, LRSV11, LCN14, LLS13, LT09, LH96, LZ99a, LZ99b, LPG14, LFJS14, LYL+11, wLxY00, LB06, Lv08, LR98, Lyo11, MG07, MG09, MG11, MMM+94, MK00, MN11, NGX14, NCT99].

**Algorithm** [Oet99, OKF14, PPK+13, PGL96, PSB+06, Pet99a, PDMY14, Rav05, RC06, ROY01, Ruh08, SYEG00, SV08b, SV11, Str00a, SF99, SW10b, TD99, VD10, VMG09, Wal14, WC00, WMI09, Wan13, WMSG09, WY9Z10, WL13, WJ12, XK08, XY05, YMW07, YZ90, YCC10, Yiu09, You94, ZY05, dMHJ900, von97, Alu96, BZ93, BPT93, BDP96, CGS+94, DS93, EB96, FGN93, Fre93, Kor93, Lan93, LV94, LL93, MMM+95, MMY96, MS93b, NP93a, OS95, PS93, Saa93, Sm93, Wat94].

**Algorithmic** [APvDG12, Moo00].

**Algorithms** [AB08a, AdVC00, Ain14, AMH12, ACD95, BCG98, BDS98, Ban10, BH00a, Bar00, BHT09, BM05, BF95, BFK03, Bit99, BT97, BvVC+10, BM95b, BRZ14, BMW11, BWG11, CGK+98, CK02, CJH11, CGS02, CWC08, CCS03, CH02, CKY98, CC12a, CD01, CMM95, CDFQ11, DJ07, DAE02, DSC05, Dor98, Dor10, DW94, DG99, EHN12, EOZ94, EY07, FWA+11, FSdV98b, FW97, Fra98, FFS07, Ga08, GJSZ13, GTMP07, GST12, GGLT00, Goe94, G90, Gri94, GE96, HRV11, HM01a, HV01, HK95, HW09, HMW07, IMS96, Jia14, JP97, KM97, Kar96, Kea97, KS94, KPL13, KK02a, Kir14, KEF11, LS99, Lan98, LS94, MS07d, MNBK10, MO00, Mar09, MT06, MZW90, MS07e, NH13, PH13, PB1+96, PBC05, RNR13, RT05, RMD08, RKvdDA14, SIS96, SVG08, Ste01, ST98, SW10a, S95].

**Algorithms** [Ten98, WLX+13, Wei99, WNC08, XJS13, YZ11, YSZ14, vdDA12, BGD94, BME93, BEM94, Car93, CG93, EG93, Gt04, NP93b].

**Aligned** [GH14, GHS+09, MB13].

**Alignment** [ZZ04].

**Allen** [ZD09].

**Allmaras** [DHE13].

**Allocation** [HS99a].

**Almost** [FD03, Jah04, NV98, PWZ10].

**Almost-Adiabatic** [Jah04].

**Almost-Invariant** [FD03].

**Alternate** [CJ95].

**Alternating** [BF06, DS14, HV96, HRS12, LPS13, LDM00, Lui00, Lui01, NW01, NWY11, SL11, Sta94, WY12, WY13, YZ11, Gar96, Li94, ST96].

**Alternating-Direction** [BF06, HV96].

**Alternative** [JSZ13, May05, Rah13, Wal14].
Alternatives [HvdV03]. American [AO07, HY08, HFL11, IT09b, KL11, Toi08, dFLO5]. AMG [BBKL11, Ema10, HV01, KV12b, PS11b, VAS10]. AMGe [CFH03, WAB05, BCF00, HV01, JV01]. Ampere [PTvR14, TKCC13, BW09, Fro12]. Amplification [DMBB10]. Amplitude [AIL05]. Analogue [RT11]. Analysis [AV14, AdVC00, AA00, ABC00, ASZ07, ACF09, ABTZ14, BA05, BHN10, Bar12b, Bar05, BW00, BPU07, BW11, BM05, BBR04, BCM11, BVV08, BGP94, BS06b, BDW11, CLPS03, CP03a, CJO9, CW97, CV94, CG10, CLN12, CWG10, Csw14, Den97b, DJ07, DH95, DI 95, DKK04, DT00, DTM05, DP03, DHE13, EM90, FMRR13, FCZE14, FMB13, GS98a, GV07a, GJSZ13, GGL09, GLS08, GB06b, GKKM07, GT09, GV07b, HMST11, HHvR03, HO09a, HL98, HD09, HK95, HV04, Huo08, IHTR12, JMN01, JG02, KO05, KSB11, KY03, LWR96, LPN07, Le05, LRP07, LP08, LI99, LS05b, LC05b, LW04, MMP03, Man95, MB02, MS10, MW06b, MMS05, MN08, NM13, NN05, OC03, OW02, RWK14, RGY10, RLC08, SKJ13, SV08b, SV11, SN08, TW13b, TV93, TW93, WC03, WL08]. Analysis [WB00, WOW00, W001, WW03, WTW09, WE06, XIE05, YPN1, Yin95, ZC04, ZF09, ZPE12, dLRT09, vGEV07, MP94, SA97]. Analytic [Bar14, KB09, LVD14]. Analytical [BK14]. Analytically [GJ05]. Analyzing [SA03]. Anchor [BTO8, LT09]. Anchor-Free [BTO8, LT09]. Anderson [EMM+99, LSV13, SBR06]. Anisotropic [ABRM98a, ARMR98b, AP99, BS08, BP13b, Cao07, CPB13, CMK11, DO05b, DK03, GMS02, LEC10a, LLP09, MS13, MV94, MP08, MK96, MM98, PCL03, PCL10, PABG11, Sch98, TLE12, Win10]. Anisotropically [GHH07]. Anisotropy [BT09]. Anomalous [CLAT10]. ANOVA [ZCK12]. Antenna [ATV07, BH07]. Antidiffusive [BCV13, MS98]. Antipersonnel [XD08]. Antiplane [GHH07]. Antireflective [CH08b, SC03]. Any [Ain14, CCF14]. AP [Jin99]. Aperture [BL03a]. Application [AdSGC12, AMH11, AHDK14, ACCP13, BG05b, Bla03, BLGL11, BBMR03, BTGH12, BTGMS13, BG13, BFS08, CGL12, CCG14a, CM98a, CM98b, DM10, DKO12, DCS01, EBS11, DFV07, GTP07, GGO02, GV13, GRL10, GW98, GJ07, GL10, HSS08, Hen05a, HBSC97, Hua05, Hwa07, Kra12, LCH09, LLS13, LW12b, LW14, LYL11, LLL98, LPP09, MR04, Man99, Mar01, MWB02, MMV98, OS14, OW00, PG16, PMSG14, PCL03, PP13, PS10b, RWA95, RSA05, SB13, SCM10, SP02, SO10, SF99, TET10, TZ14, WAB05, XY001, XYZ05, Yau14, YZ05, YR12, de 99, Ber97, CSS39a, DG95, MPPR93, YGC19]. Applications [AKM+14a, BF01, BOR97, BT08, BM10b, BR09, BC09b, CB98, CL08, CFF96, CGH11, CDF14a, CDW14b, CGMV05, DTV13, DGSW10, DW05b, Ema10, ES00, FKT10, FFSS13, GA08, Gar00, GRP01, HT09, HIR03, HIR05, JIA14, JED10, KPC12, KVM01, Lee13a, L01, Log03b, LD04, MSL13, MSW05, PH13, Rub12, SZ06, SY10b, SY12, S00, S03, S07, S09, S107, S09, WS07, WS06, WM05, XZ10, YMM14, ZWH13, ZY11, CC96, LSW95]. Applied [AA13, BLS14, BM13, CV07, CBS00, DHJW08, DHE13, HML04, HLP08, KMS08, NM13, PKD13, Ser06, VS09]. Applying [DA07, SS10a]. Approach [AK09, AP97, ATV07, ACW12, ALZ14, BCS07, BO06, BC02, BTO07, BHST08, BP06, CF07, CW14, CV94, CN10, CH09b, CR13, DGS08, DNO8, DP03, EK14, EK10, FR10, FL13, For95, FGH08, GB98, GKO8, GLT09, HHvR03, HW03, HTW12.
Hor10, HC98, HLZ13, HSSZ09, IT09b, JK12, JZ13, KHE07, KSD10, KY03, KLT06, KL13a, LW12b, LB07, LB08, MO10, Mis01, MM07, OS14, OB08, PVL11, PSL14, PQOB14, RS02, TGS08, WL04, WE13, WP98, WB08b, ZK14c, ZCl06, ZH09, Zim14, dFL05, dSK11, vdZvBdB10a, vdZvBdB10b, LL94, RG94.

Approaches [CSW14, LZ04, SW09, ZLLT13, DS95a, Rot96].

Approximate [AP14, ABC00, BMT96, BT98, BT00a, BCT00, BB05, BC13, BT99, BT01, BGMR01, BH14b, CDGS05, CBG12, CBCR14, CS97, CS98, Cho00, CST+13, DW05a, Ema10, GWMG03, GNL14, GS98b, GH97, Gur04, HC05, HWS05, JP08, KM97, LRW96, MG09, MMA98, NP10, RT01, Reu99, Saa03, SE11, SE13, VW98, WZ03, ABS96, EOD93, SS93b].

approximate-factorization [SS93b].

Approximate-Inverse [GS98b].

Approximation [APZ13, ADKM03, BG14, BGN07, BGN08, BG98, Bär07, BP13b, BHW99, BTGH12, BF07, CNP12, CH08a, Cha07, CL08, CMM95, DB94, DQQ13, DHO12, EL03, EIL01, FV06, FS05, FT03, FDFW07, GJ08, GOS12, GT94, GG09, GOV06, HLW00, HR99b, IM98, JK07, JSPC97, KR14, KK13, KK09, KS11, Kra12, LPS10, Mar01, MRT00, MvNST13, MR94, NZZ06, NJ14, NSK10, PSA99, PPT11, PC98, Rah96, RW07, SY10a, SY08, SZ00, Ste99, ST11, Str00a, TE07, WR13, WLE+00, Wan12, Wat04, WY09, AHN96, AE95, MG95, NCV06].

Approximations [BH14a, CAS11, C95, CM13, CHH01, DD13, EZ11, FWA+11, GP99, GT06, GMS02, HBS00, KP09a, KM97, KS99, KL05, MMZ03, MS13, RT01, SL10, Str99, WGT14, ZD09, ZNX14, vdEH05]. Approximate [KK08]. Arbitrarily [GHS+09, KVM99, RMB00]. Arbitrary [ADR14, AAD11, AIV98, CL10, NSK10, PP97, RT99, SG04, TC12, WK06, YYYY11, DR93a]. Arc [CDM+13]. Architectures [ABC+14, CP95, HWD02, LD11, Pip13, PR96, TD99, BPT93]. Arc-length [LMR97].

Area [KEF11, PP97, SCDM+10, ZF14].

Arisings [BGL08, BSSW13, CHH10, FGS14, GHN01, GV98, HL10, PS13, RG07, RH09, Slo02, WW03]. Arithmetic [CJ09, Drm97, JK12]. Arnold [CGP12].

Arnoldi [BS05a, DCP11, EPE05, GN14, GT94, LPS10, SW98, TT96b]. Arnoldi/Lanczos [GT94]. ARPACK [WT01].

Arrays [KK09, OA93]. Arrival [RMD08].

arrivals [CC96]. Artificial [Dor10, GMS02, LN03, SD11, Tsy97].

Ascent [DZ12]. Asian [Mar03, dFL05].

Askey [Dor10, GMS02, LN03, SD11, Tsy97].

Asymptotic [AKLP10, BLR14, Bur97, CH08a, CGK13, DGS08, GK00, HG98, HT14b, HW14a, JMN01, Jin99, JS10, JW13, Kla98a, LS12a, LM08, NBA+14, PDA09, SL09a, YJ13, BW93, TR93].

Asymptotic-Induced [Kla98a].

Asymptotic-Numerical [GK00].

Asymptotic-Preserving [BLR14, Jin99, JS10, JW13, YJ13, LS12a].

Asymptotically [APZ13, BV98].

Asymptotics [Gar94]. Asynchronous [AAI198, GKL08, HKT01, LMP03].

Atmosphere [GKC13]. Atmospheric [BZ97, GRL10, JSPC97, LCH09, RW97, TGS08, YC14]. Atomic [CDS98].

Atomistic [Sha12]. Atomistic/Continuum [Sha12].

Auto [Der08, MW13]. Auto-accelerated
Autoassociative [SAY03].
Automated [BL04b, DJ07, FHF13, GGOY02, OLY08, RL13].
Automatic [Bal00, BBR04, BV00, CJK10, CV98, CJ99, GM00b, HBSC97, PT08, Sar97, SIS96, X13, AMB+94].
Automatically [ADGM98, Gu93].
Automation [FCF14].
Autotuned [DCP11].
Autotuning [HEGH14].
Auxiliary [KV12b, Lee13b, WHCX13].
Avascular [BCG+10].
Averaged [DHE13, GG05].
Averages [ADH99, BBT11].
Averaging [CP05, CP07].
Avoid [May08].
Avoided [BG11].
Automation [Bal00, BBR04, BV00, CJK10, CV98, CJ99, GM00b, HBSC97, PT08, Sar97, SIS96, X13, AMB+94].
Automatically [ADGM98, Gu93].
Automation [FCF14].
Autotuned [DCP11].
Autotuning [HEGH14].
Auxiliary [KV12b, Lee13b, WHCX13].
Avascular [BCG+10].
Averaged [DHE13, GG05].
Averages [ADH99, BBT11].
Averaging [CP05, CP07].
Avoid [May08].
Avoided [BG11].
Automation [Bal00, BBR04, BV00, CJK10, CV98, CJ99, GM00b, HBSC97, PT08, Sar97, SIS96, X13, AMB+94].
Automatically [ADGM98, Gu93].
Automation [FCF14].
Autotuned [DCP11].
Autotuning [HEGH14].
Auxiliary [KV12b, Lee13b, WHCX13].
Avascular [BCG+10].
Averaged [DHE13, GG05].
Averages [ADH99, BBT11].
Averaging [CP05, CP07].
Avoid [May08].
Avoided [BG11].
BHV05, Bar14, BSSW13, BH12, Ber98a, BK06, BM01b, BF95, BT13, BCH12, BIYS00, BTT13, BK98s, BOPGF06, BG04, CCG14a, Car07, CGAD95, CP03a, CGZ99, Che08, CH08b, Coa12, DB98, DD13, Der08, Dor10, DHE13, DK03, DKM14b, EJJ08, EM96, EM99, EN08, FGMP13, FGMP14a, FGMP14b, FJ99, FDS13, For06, Fro12, Gär09, GY06, Giv12, GKS98, GPK04, HG02, HH03, HS05b, HM14, HO96b, HW09, IM99, JL03, JL05a, JP01, KBUV09, KP06a, KLJ10, KLY05, KP05, KP06b, KWW13, KGT07, LS09, LHL12, LOSZ07, LG97, LM12, LP04, LS02, MS07d, Mal07, MS07e, MS03, Nas09, NAS13, Nat98, NCT99, OSU10, ORST12, PL03, Pat97, PRSS11, RSSZ08, SBS98, Sch09, SC03, Ste00, SD11, TKW08, TTK96a, TY00, Tau96, TW03, TP09, Tsy99, VCOO, VN05, Vil09, VPP05, WL04, XEG06, YCZ13, YK03, vZvdB10a, vdZvdB10b, AGC96, DR93a, HG96, Rán93, Tsy97]. Boundary [RSSZ08, SBS98, Sch09, SC03, Ste00, SD11, TKW08, TTK96a, TY00, Tau96, TW03, TP09, Tsy99, VCOO, VN05, Vil09, VPP05, WL04, XEG06, YCZ13, YK03, vZvdB10a, vdZvdB10b, AGC96, DR93a, HG96, Rán93, Tsy97]. Boundary-Element [Nat98]. Boundary-Value [ABL05, BIYS00, Der08]. Bounded [BHNPR07, Ber00b, Gär09, GJM94, HS06d, NS06, Nor07]. Bounded-Obstacle [NS06]. Bounding [SB05, WI09]. Bounds [Brecht00, CHMR10, GSS00, KK13, LQX14, Món08, PS02, PDH09, SBP04, TB010, Van00]. Boussinesq [LRD+04, HHSW11, MCGN94, Yan14]. Box [JK07, KSD10, MMS05, BH12]. Box-Constrained [KSD10]. BPCONT [Der08]. Brain [HDB08]. Branch [Der08, Kea97]. Branched [Liu03, RC06]. Breaking [OT09]. Breakup [BLGL11]. Breast [BNFS13]. Bridge [VPP05]. Bridging [PKR+13, RDP08]. Brinkman [VV13, XZ10]. Brownian [CL03]. Broyden [Anj93, YDF97, vNLB04]. Bubble [TKW08]. Bubbles [HY10, DVL10]. Buckling [HLPO8, LCH99]. Burgers [BHN07, DMM005, Eilt96, GK00]. Bursting [Sma01]. Butterfly [KM12, PDMY14, Yin09]. C [DARG13]. Cable [KO05]. Cache [AKA13b, GMPZ06, HR05, YB09]. Cache-Aware [GMPZ06]. Cache-Oblivious [YB09]. Cahn [KW07, ZD09]. Calcium [Gob08]. Calculating [MNBK10, MS04, Nak98]. Calculation [BD99a, BHP98, CRV14, GLR07, HM98, HBJ04, KKS13, Món08, TTK96b, TB99b, WM09, WMU13, YGB+05]. Calculations [Ber95a, COZ06, CDGS05, DLY14, HW94, LYL+11, LL98, Ste11, TB02, Zas95, ZZWZ14]. Calibration [DKM14a, CAB04, HKC+04]. Can [CCF14]. Canonical [ABTZ14, De12a, DM13b]. Capacitance [LV98, PV94, PV95]. Capillary [SCS04]. Capture [LW14]. Capturing [BJ01, WL04, Wan04]. Carbon [JP14, LW14]. Card [Gre03]. Cardiac [BFSN08, CWG10]. Cardiovascular [PVV11]. Carlo [KKS08, ABL05, ACD+11, BHvST14, BK04, BS14, EHL06, EBSS11, HW14b, HLL010, IT09a, IK10, IT14, KBK+08, LZ04, MS04, MSS12, Ökt05, PR01, TPW09, Wan12, WKKP13]. Carreau [Lec14]. Cartesian [ABC97, BGOD08, CH09a, DFC+14, HGO2, ILK05, KN11, WWM03, WM11]. Cascade [Yiu95]. Case [BTGMS13, DARG13, DF99, GLL+14, GOS12, JV96, Vi09]. Cases [YZ07, YZ08]. Casing [PDTVM08]. Cauchy [BMSV97, KO09, LCD14, TY08]. Cauchy-Like [KO99]. Causal [CCV14]. caused [AGC96]. Cavity [BS05b, LAG14, LRD+04, TVV11]. CCCG [CB98]. CDG [PP08a]. Cell [ADK+98, ACCP13, BMSV97, FEM08, Gob08, Kwa99, MAB007, MCT+05, MS08, NMW11, QSO5a, TKCC13, Gre93, WMC11]. Cell-Centered [ADK+98, FEM08, Kwa99, MAB007]. Cells
[Ste11, Ush01]. **Cellular** [SAY03].

**Centered** [ANP00, ADK⁺98, FEM08, Kwa99, MAB007, VHGR10]. **Central** [BT06, BPR99, BLO3c, BL05, CPPR12, JT98, Kup98, Kup01, KLO00a, KNP01, KPP07, KP09b, LdMV12, LPR00, LPR02, LNSZ06, LN03, LT00, MV09, PPR05, Pup03].

**Central-Difference** [Kup01]. **Central-Upwind** [KNP01, KPP07, KP09b].

**Centrifuge** [SCS04]. **Centroidal** [BGL06b, DGJ03, DW05b, JGZ06].

**Certain** [BGL06a, EJJ08, FFS07, IM98]. **Certified** [CHMR10, EPR10, GV12, HSZ12, KP10, Yan14]. **CFD** [Ema10, HML⁺04]. **CFL** [CKQ14, WL01]. **CFL-Free** [WL01].

**CG** [FM99, Zha97]. **CG-Based** [FM99]. **CGLS** [HCHS13]. **CGMY** [AO07]. **CGSTAB** [CGS⁺94].

**Chain** [BPB07, EHL06, Kus97]. **Chains** [BBB⁺11, CPR11, Day98, DS00, DMM⁺08, DMM⁺10b, DMSW10, DMM⁺10a, GaP08, SBM07, TY11].

**Challenge** [EMM⁺99]. **Challenges** [DNP⁺04]. **Challenging** [BJ08]. **Change** [PP12a]. **Changed** [ZK14c]. **Changing** [BFC01]. **Changing-Chart** [BFC01].

**Channel** [Hum96, KWW13, VS03]. **Chaos** [BDW11, DGS08, DNP⁺04, LK04, PSDF12, SG04, SD10, WK06, WB08b, XKO2, ZCK12, ZRTK12].

**Chaotic** [CD06, XYZ05].

**Characteristic** [AH06, AW11, BM05, DBC13, EAS08, EAS11, MB02, OGO13, SSO06].

**Characteristics** [WMSG09, YVB98].

**Characterization** [LM14b, LNA⁺11].

**Charge** [Ama98]. **Chart** [BFC01]. **Cheap** [OB05, TP99]. **Chebfun** [RT11, TT13].

**Chebyshev** [AC08, BS08, BK10, DS95b, DS97, FP14, HT14b, HP14, JAC03, LV94, MR02, PCDB96, She95, TW09, TT06, VS04, Zbi11].

**Checkerboard** [Lee13a]. **Checkpointing** [SW09, SW10a, WMI09]. **Chemical** [CVE13, DHJW08, GK13, IP06, Jah10, LNP⁺07, PS13, Ver94].

**Chemistry** [JSPC97, LCH09, SZ06]. **Chemosensitive** [FS05].

**Chemotaxis** [FY14, NMWI11].

**Chirplet** [GG09]. **Choice** [CMK11, CJK10, DLZ10, BLC97, DG95, LL94]. **Cholesky** [BDHS10, BPT93, FGM95, HRS10, LM99, MH95, Men01, NP93b, NP93a, PS93, RG94, Rot96, RS99, Sch93, ST14a, ST14b].

**Choosing** [EW96, HR96, JG02, Lee09, SRS12]. **Chopped** [CCS08]. **Christoffel** [And08, BT03b, Ban08b, DK11].

**Chromodynamics** [SO10]. **CIMGS** [WGB97]. **Cimmino** [ADRS95]. **Circuit** [BJ08, CCCZ10, MT97a]. **Circuit/Field** [CCZ10].

**Circuits** [BBGS13, MS07c].

**Circulant** [Ber00a, DN97, NP10, SCT04, Huc93, CC96]. **Circulant-plus-Diagonal** [NP10].

**Circular** [AA00, Ama98, NH12, Smi97].

**Circulation** [TG08]. **Circulatory** [KLJ10].

**Circumventing** [RLG98]. **Class** [BM08, BB03, BR09, CCFP12, CDG03, Che98, DFN12, GS14, GVMM14, HSS08, KA95, Kla98c, KT08, LJO3, Men01, MG12, PP12b, Ser06, TW05, Vir07, WZ03, Wat04, Car93].

**Classical** [BBH11, JP14].

**Classical-Quantum** [JP14].

**Clenshaw** [EJJ08]. **Climate** [MW08b].

**Closed** [AL99b, LRD⁺04, LFWP08, QZZ14, YVB98].

**Closest** [MR09].

**Coagulation** [EW00, FL04, MNBK10, PW12].

**Coalescence** [ABM⁺13, FCM12].

**Coarse** [AKPRB08, CEJ⁺10, EHL06, FS14, Fer98, MS07a, MNP07, NXS11, SB14, WY09, Yav98].

**Coarse-Graining** [AKPRB08].

**Coarse-Grid** [Fer98, MS07a, Yav98].
Coarse-Scale [EHL06]. Coarsening
[BF10, Lee10b, MS07b, MMV98, Wab05].
Code [CM98a, CM98b, CWA14, HML*04,
Min02, OLW08, RWX07, WMSG09, EL93].
Codes [Ber00a, HBSC97, vHBTC12, JS03].
Codim [KM05]. Coefficient
[BK08, DF99,
FGMP13, FGMP14a, FGMP14b, GM14a,
JL05b, JR98, KGMP14+11, KG14, LK98].
Coefficients
[ABST13, BvW09, CT03, CD02, CRV13,
DF03, EIL01, FDS13, GH99, GD03, HA01,
HCRT13, Jia14, KKV13, KP09a, KGMP14+08,
KP06b, Lj01, PRSS11, RY03, Sch98, WR13].
Coherent [RAB+14, TW96]. Cohomology
[PSKG13]. Cole [LHL11]. Collection
[AILP07, Wri93]. Collocation [AS94, AC95,
BF95, BFK03, BFK05, BF06, BK10, Bjo95,
BVW09, DS97, ELHR00, EM99, GM14a,
KN12, KV05, KHRVBW13, Lay03, NX12,
NJ14, NGX14, Sun95, TT06, TV98b,
WSZ14, WY09, WI2a, WI12b, XZB11,
XH05, ZK14b, ZTRK14, ZNX14, Bia94,
BR95, DS95b, HHRV93, PM95, PCDB96].
Color [FNB06]. Coloring
[BrVCG10, GTMP07, JP93]. Column
[QOSB98]. Combination [Hum95, WZSL12].
Combinations [OK13]. Combinatorial
[IM96, WH09]. Combined
[BGN07, DY06, MF06, dDBV14].
Combining [CDGS05, FT03, HKC+04].
Common [Gro02]. Communication
[BDHS10, BT97, CKD13, Cas97, DGHL12,
Den97b, GAMV13, KV13, SA97, UA04].
Communication-Cost [UA04].
Communication-optimal
[BDHS10, DGHL12]. Community
[KPPS14]. Commutators [EHS+05].
Compact
[BDK12, GB12, GW04, GM04, Hac08, KS94,
LPR00, PT08, SC98, ZsSpH14, Pel93, PP08a].
Companion [AVW13]. Comparative
[ACD95, BBKK97, GRT05, LL00, LZ04,
Ros05b]. Comparison [AC05, DS00,
GK11a, INS05, KTB14, LW03, NV05,
QS05a, RU01, WE06, ZW03, Zin00, ST94].
Comparisons [Elt96, KP11]. Compatible
[BHST08, BF10, GP99, MNP07].
Compensation [MOKS12]. Competitive
[Boz09]. Complement
[Bl03a, CGL01, HSF07, Kra12, LS05a,
MG11, Mal07, MRT00, MMA98, OV07,
PSLG14, SS99, DS95a, FCR03].
Complements [BS05e]. Completion
[AKM+14a, TW13a]. Complex
[AM04, AL99a, AH04, BBKK97, BOR97,
BS96b, BKS13, BGL06b, CCG14a, CMM95,
DH01, DJT08, Du11, GM14b, Har11,
HML+04, IP06, KF14, LS09, MF06, MO08,
Nat98, SY14, SAE10, TW03, ABCM97,
Gut93, LV94]. Complex-Symmetric
[Nat98]. Complex-Valued [DH01, MO08].
Complexity
[GM14a, HVW95, KKT13, Kir14].
Compliance [PVV11]. Complicated
[AGH13, Bre96, Yav93]. Component
[GG05, GH14, HMST11, WZET13].
Component-Averaged [GG05].
Component-Based [WZET13].
Components [BzCS11, FB95, OW02].
Componentwise [Van00]. Composite
[AGH13, CS96, EIL+09, GM14a, HM10a,
LMPQ03, Mu99, PP12a, PRSS11, SP03,
SJR09, XBC96, ZCW10, Pet93].
Composite-Grid [LMPQ03]. Composites
[TG04]. Composition
[BCM05, GGK+10, McL95, Vil14].
Compositional [WZET13]. Compressed
[As95, KMSM14]. Compressible [ACL09,
CD01, DS99, Hes98, HC95, LdMV12,
Le 01, LD05, LXS+08, MAB007, RHSS11,
SA99, WLK06, YC14, HG96, Hes97].
Compression
[Bö90, CGMR05, GLL01, LN03, WG12].
Compressive [YZ11]. Comput [BEM94].
Computation
[AP01, AVW13, BZ10, Bal00, BS96a, BS05e,
BAFF00, BL04b, BMF12, Bog14, BvVCG+10,
BBK06, BDMFSL04, CDY07a, CSFZ08,
CPT05, CBCR14, CV98, CJ99, DK11, DLF05, Drn97, DGK98, EL01, ELtHR00, Fii13, FDFW07, GH13, GS12, GST12, GI99, Gub96, GD03, H13a, Ho05, HKM97, HK02, IBM01, Inv02, ISS06, JLY08, KB96, Lab05, LLHF13, LS94, LX12, LMR97, LH00, LCH99, Lui97, ML11, NP14, PSKG13, Sch10, Sci95, SL09a, SWT00, WT01, ZLBC03, vVKA11, AD96, BZ93, Tsy97, WM93.

**Computational** [APS12, AHT12, BBP13, BS04, BCG10, BWZ10, BTGMS13, CC98, CHL06, EHW00, EMT09, GGLT00, GM14b, GK05, JKR08, Kou9, Kra08, MW11, PMSG14, Rav05, Ros97, Ste00, TGS08, Tsy99, Wan07b, Wan07a, WMSG09, Zim14, AD96, BZ93, Tsy97, WM93].

**Computationally** [DFN12].

**Computations** [BK07, BP97b, CS94, CX08, CSW10, Dul98, Fai03, FLF11, GH07, GCB04, HL95, JR96, LVkBW10, Nat98, OSCE00, Pek12, SW03, TW96, ZCW10, OA93]. **Compute** [TW95].

**Computer** [CGDD11, HKC+04, MH95, YGCP96].

**Computers** [BDD+97, HKR02, HW94, Goe97, NP93b].

**Computing** [AMH11, AMHR13, ABB09, ADL+12, AC98, AMB+94, BD93, BCT07, BFKY11, BD04, BL08a, BL09, BM12, BMF12, BS96b, CAS11, DR93a, DDF00, FGL09, FGM95, GWGM03, GTMP07, GST09, GGGL10, GE96, GM96, GM00b, HNS08, HV01, JN10, JED10, JW05, JP11, KV96, KMV99, KM05, KPCA12, Ke09, LCN14, LR10, Ls09, LL11, LWZ13, LT12, LR98, MV00, Man99, MB09, MW01, MG12, PP97, Pet93, PSLG14, RM08a, SBP04, SBM07, SS03, SO10, Str93, Swa02, TS11, TV98a, Wan97, Wat98, WTS94, YZ07, YZ08, Zha96, ten95, DS95b, RST93, Tre93].

**Concave** [NNT13].

**Concentrations** [JW05].

**Concepts** [GW00, vD03]. **Condensate** [BH98].

**Condensates** [BD04, BS05c, BL08a, BLS09, BMTZ13].

**Condensation** [VP14].

**Condition** [AMHR13, BH00b, BCH12, BHP98, CCG14a, HR14, KL94, KLR98, LX08, RL10, SV08b, SV11, WL04, Wan04, Win06].

**Conditioned** [BS07, CC98, PS01, WSZ14, Di95].

**Conditioning** [BBC07, KR00, SBC93].

**Conditions** [ABK11, BHV05, BTT13, BG04, CH08b, Coa12, Dor10, FJ99, FDS13, Fro12, HG02, HHT03, Her08, LRD+04, LP03, LS02, MRS04, Mal07, NCT99, NV08, Pat97, QX08, RK07, RMD08, RSSZ08, Sch09, SC03, SD11, TAV02, Tsy99, UW94, Ush01, Vil09, WX05, HG96, Tsy97].

**Conducting** [AKLP10].

**Conduction** [Don06, SCM10, SK05].

**Conductive** [BK98, BK99].

**Conductive-Radiative** [BK98, BK99].

**Conductivities** [MS03].

**Conductivity** [Du11, EIL+09].

**Cone** [GY05, KO05, ST03].

**Conference** [Ben13, Tum10, TBC+11, Vas05, vdV01, vdVDE+02, vdVDE+03].

**Configuration** [CL03].

**Conformal** [Ama98, DP98, DV98, HT09, Nas09, NAS13, Por01, CD97].

**Conformation** [BTY08].

**Conformational** [MT08].

**Conforming** [AMH11, AMHR13, ABB09, ADL+12, AC98, AMB+94, BD93, BCT07, BFKY11, BD04, BL08a, BL09, BM12, BMF12, BS96b, CAS11, DR93a, DDF00, FGL09, FGM95, GWGM03, GTMP07, GST09, GGGL10, GE96, GM96, GM00b, HNS08, HV01, JN10, JED10, JW05, JP11, KV96, KMV99, KM05, KPCA12, Ke09, LCN14, LR10, Ls09, LL11, LWZ13, LT12, LR98, MV00, Man99, MB09, MW01, MG12, PP97, Pet93, PSLG14, RM08a, SBP04, SBM07, SS03, SO10, Str93, Swa02, TS11, TV98a, Wan97, Wat98, WTS94, YZ07, YZ08, Zha96, ten95, DS95b, RST93, Tre93].

**Concave** [NNT13].

**Concentrating** [LL02].

**Configuration** [DMM05, Gar09, GPM14, JG08, RKL09, JK11].

**Conical** [GST09].

**Conjugate** [ABF96, BMT96, BCT00, ACL99, CD98, DEC05, Fie98, GG99, GjVS13, Kn01, Not00a, PF12, SYE00, SO97, VP14, NP96].

**Connected** [DF98, DK11, NAS13].

**Connecting** [DMM05].

**Connection** [BP97b].

**Connectivity** [BMV11].

**Conquer** [HLD12, LT09, LS13b, NH13, TD99, VD12, LL93].

**Conservation** [AB02, AD06, AG00, BLM02, BBSW94, BPR99, BG13, BFSN08, CH02, CW13, CW14, DLL13, yCWHJ12, CK94, Dk00, DMM05, DB07, FMR06, G05a, GB12, GMS02, HH02, HBL05, HLM+09, JT98, JZ13, K10a, KN01, KPP07, LPR00, LR02, LN03, Mar94, NMB11, PR05,
QS08b, SL11, Sem10, SMR01, SJD14, TW12, Tor12, TLE12, TW95, VS03, YHQ12, dLRT09, BH97, Pem93. **Conservative** [AH12, AHR12, AS05, CH94, yCWHJ12, GBC10, GJ07, NH14, RG09, SL09b, YYY11]. **Conserving** [AH06, CL97, DG09, HLM06, IW12a, MKRK13, vSRV11]. **Considerations** [CC98, FK97, Moo00]. **Considered** [Gri94]. **Consistency** [Lu95, NP08]. **Consistent** [BPR04, BHP98, Dor98, HLMM06, LW12a, MKRK13, vSRV11]. **Consistently** [BBGS04]. **Consolidation** [BRBT12]. **Constant** [ABST13, DZSN09, FGMP13, FGMP14a, FGMP14b, HCR13, SL09b, vdDA12]. **Constant-Coecient** [FGMP13, FGMP14a, FGMP14b]. **Constituted** [LKX08]. **Constrained** [AV14, BV03, BLR99, BPS13b, BG05a, BG05b, BCL99, BLN95, CK94, Doh03, DGJ03, FCC10, GH01, GV07b, GKL08, Haz08b, HRT13, Jay98, KB08, KP12a, KS94, KSD10, KP12b, LCH90, LST07, NY10, PR09, PBC05, PC07, RP01, RDW10, Ros06b, SWW08, Vas10, YMW07, YP98, AE95, AP93, Dax93, GHKS14, KHRvBW14]. **Constrained-Transport** [HRT13]. **Contrast** [CR04, CW06, Chr09, DW05a, Le 01, RP01, dSL05]. **Constraints** [AB08a, BMP14, BL07b, BVS00, BL08b, CGR14, GRMS09, HS06b, KM11, LX14, wLxY00, MMVW13, Obe13, PRM97, PMS12, TP09, WBFA09, DR93a]. **Constructed** [BS05f, PS01]. **Constructing** [CKN06, JK08, NX13, SD10, Wan07b]. **Construction** [AB09a, ABM10a, BM10b, Bsr09, DD00, FV01, GS02a, Joe93, Joe95, LM14a, MV06, NXDS11, SV03, SH01, SLC01, SSB08]. **Constructions** [NJ14]. **Contact** [CSW99, CHH01, HSWW08, HS08, KO05, Kra09, PWGW12, WL97, WK03]. **contacts** [LP06]. **Context** [GTK09, teu95]. **Continuation** [BDF08, CCJ07, CCK03, Der08, GKD05, Kue12, LS13a, LZ99a, LMR97, LC05b, Lui97, Lyo11, RAB+14, SSH06, WYGG10, vNLB04, LL03]. **Continuing** [DDF00]. **Continuity** [CM09, CDPC13]. **Continuous** [BB13, BS95, BT04, BB08b, BV00, BG13, EZ11, FEM08, GS98a, HM10a, HH13, Kim98, KS14, SL09b, SW10b, TSK09, BS94]. **Continuous-Discontinuous** [BB13]. **Continuous-Wave** [BS95]. **Continuum** [XJBS12]. **Contact** [Sch94, iW11]. **Contraction** [HBSC97]. **Contrast** [EIL+09]. **Control** [Aru12, Ber98a, BH11, Ber95b, BG05b, BK00b, BIK02, BH98, BVW09, CP04, CCG014, CP00, CP03a, CK03, CP07, CPT05, CK98, CHH01, Dell01, DZSN09, DZ12, DMBB10, EM96, EHW00, EMT09, FL02, GPS95, GM11, GS97, HS05a, HS12, HN06, HWW00, HR99b, IR98, KB08, KL12, KW10a, Kul12, Kus97, LV07, LM14c, MS10, MP08, NRMQ13, OPR06, PBP14, PS13, Rav05, RW11, RW13, RL13, RW06, SMN10, TUV10, Wan07a, WG12, Yiu95, ZWH+14, vWV09]. **Controllability** [NMS06]. **Controlled** [vLH14]. **Controllers** [AK04, RV02]. **Controlling** [Rub12, ZSD+10]. **Convected** [IR98]. **Convection** [Ber95b, BKDS12, BKS98, CKV99, CDG+09, DMS01, DT00, FMM98, GR05a, GV00, GB06b, GV98, HR99a, Hei96, HY10, J1X3, KGM+08, KGM+11, Ko99, KL00a, LE10, LP96, LMR98, LRD+04, LS05b, Lu95, Not12, TUV10, WX99, WE06, ZLS12]. **Convection-Diffusion** [BKDS12, BKS98, CKV99, FMM98, GV00, GB06a, GV98, KGM+08, KGM+11, KL00a, LP96, LMR98, LS05b, Lu95, Not12, TUV10, WE06, ZLS12]. **Convection-Diffusion-Reaction** [CDG+09]. **Convection-Dominated** [Ber95b, DMS01, GR05a, HR99a, Hei96, HY10, JX13, WX99]. **Convective** [HHT03]. **Conventional** [LZ04]. **Convergence**
[ABF96, BK04, BVW03, CDH98, CH02, DH95, FS02, FP14, GGL07, GK11b, HHSW11, HBS00, IM97, Kol99, LZ02, LS05b, MW03, NN12, QS08b, Red99, Ros95a, Son12, SLC01, VL10, Vi09, WMSG09, vdVY00, BY93, HLS93, Lei93].

Convergent [Abg09, BB10, BK08, BM01a, Ros96, TBF14, XK08].

Conversion [CC11].

Convex [AP01, BV03, LNS96, MK96, OK13, SCDM +10, TV98a]. Convex/Convexiﬁcation [XK08].

Convexity [LR99, Obe13].

Convexity-Preserving [LR99].

Convolution [Ban10, DD13, HT14a, HS06d, KKT13, LFLS08, LS02, PGLD96, RWA95, SLFL06, ZW03].

Convolution-Diﬀusion [GT06].

Convolution-in-Time [DD13].

Convolutions [BR11].

Coordinates [BMTZ13, BN00, CM98c, HK02, LWCL03].

Copper [Ben13, Tum10, TBC+11, Vas05, vdV01, vdVDE+02, vdVDE+03, Vas07].

Core [ADL+12, Ros96, RS99, AGL10].

Corner [CKS01, DP07, LTC13, SL09a].

Corotational [HSSW08].

Covariance [DN97, FB95].

Covariances [CAB04, GLS08].

Covolume [CKV99, CMSS06].

CPU [HEGH14].

Cracks [AKL10].

Crank [LPP09, Mu97].

Criteria [AGL13, BHvST14, BR05b, Don06, EV13, FS08, INS05, JSV10, WI12a].

Criterion [CMM95, GL03].

Critical [BHW99, KM05, LZ01, LZ02, YZ05].

Criticality [Zas95].

Cross [BLS14, DV98, GKI2, GH07, WE13, WO94, ZWH+14].

Cross-Entropy [WE13, ZWH+14].

Cross-Ratios [DV98].

Crossings [BG11].

Crout [LSC03].

Cub [CS94, Fli13, RG13].

Cub-Octahedron [AB08b].

Cubature [CZ13].

Cubed [BH99].

Cubed-Sphere [TDTF03, YCC10].

Cubic [CCCZ10, IHTR12, KL12, RH09, WKM+07].

Curse [OT09].

Curvature [CS94].

Cut [CCS97].

Curved [CH09a, CW13, CW14, Far01, SF08].

Curves [BBSV10, DDO0, EL01, EL03, GMPZ06, He11, JED10, LNS96, MK96, MV06].

Curvilinear [BS03, CM98c, DKR12, GHTW00, HLV13, KP12b, War13, Zie12].

Curvilinear-Orthogonal [Zie12].

Cycle [Fer08, KSB11, Kwa99, VL10,

D [ACD08, BH97, BI09, BK14, BIA99, BIA05, Bur97, CMV97, CP13, CWL+14, CD01, CDB13, CMS06, CH11, Don06, GH13, GD03, HA01, KW07, KP06a, Kra09, LRP07, LS12b, LFS14, LYL+11, LW03, Min02, NN03, PS10b, PWGW12, PELY13, PRSS11, RH06, Sma01, VB07, ZCW10, vVKA11]. DAE [CLPS03]. DAEs [ABST13, AL97, SBS98]. DAGs [HRS10].

Damage [BA05]. Damped [BV09]. Damping [EDGL12, Kol99, WWJ12].

Dantzig [WY12]. Darcy [ACD08, BH97, BI09, BK14, BIA99, BIA05, Bur97, CMV97, CP13, CWL+14, CD01, CDB13, CMS06, CH11, Don06, GH13, GD03, HA01, KW07, KP06a, Kra09, LRP07, LS12b, LFS14, LYL+11, LW03, Min02, NN03, PS10b, PWGW12, PELY13, PRSS11, RH06, Sma01, VB07, ZCW10, vVKA11]. Data-Bounded [Ber00b]. Data-Driven [IA14].


Deblurring [BDE08, CC10, CH08b, DEC05, MO00, NCT99, SC03, WNC08, YZY09]. Decay [BC13, ZCZ04]. Decomposition [ABLS05, ADGP07, AK04, BMP14, BDD+97, BDHS10, BJNN02, BL04a, BLB00, Bet08, BLP14, BF95, BFK03, BT13, BIA05, Cai95, CMS94, CDS98, CBS00, CCG14b, CGHT14, De 12a, DM13b, DT95, Den97a, Den97b, DW94, FKK+14, Gar94, GJM94, HMN+13, HN06, HM14, HS06c, Hes98, HJMS07, IW14, JFG13, JKKM01, JCL07, JS10, Kla98a, KW00, Kus97, Lar99, Lee13b, MRS04, MPRW98, Men01, MR94, Mu95, NH13, OT11, Ose11, PS10a, PL12, QSV06, Rav02, RL10, RG06, SAY03, ST98, Ste99, TNL14, TS11, VVM12, WG00, YCC10, Yu01, YSS07, YYY11, ZS02, Ain96, ALT93, BD93, BZ93, BR95, Cai93, DS95a, Hes97, Nat95, Nat97, SS93c].

Decomposition-Based [CBS00, JS10].

Decompositions [Hös94, LWZ13, Rah13, YR98].

Deconvolution [Bar99, EK14, DG95].

Decoupled [KS14, SY14, Ske00].

Decoupling [LC05a, LC08, Sch02, WNC08].

Dedicated [DMD+12]. Dedication [PS97].

Defect [DH95, DT00, EM96, Hei96, SZ06, LK93].

Defect-Correction [DH95, DT00].

Deferment [PSB+06]. Deferred [VC00].

Deficient [PRM97, QQOP99, Wan97].

Defined [PV08, RS03, Zhe07, BGP94].

Definite [BGLY05, BGM13, FEM08, JFG10, MV00, MB99, Ng00, VSS14, Zha96, FS96, FF94].

Deflated [ARMWN10, GGPV10, JvGVS13, Mor02, RF07, SYEG00].

Deflating [SO10].

Deflation [BEPW98, CGL+13, FY01, NV05].

Deflation-Based [FV01]. Deformable [ABCP08, PRM09, Ros06a].

Deformation [GKT09, PWGW12, de 99].

Defor- mations [DZ08].

Deforming [Ros05a, Ros05b, TK13].

Degenerate [BCF12, CLST03, LSZ11, Slo02]. Degraded [NO98]. Degree
Degrees [HHL07, Lin06]. DEIM [WSH14]. Delaunay [CWL+14, CC06, CC09, CC12b, DV98, FCC10, Gär99, HGPM14, Joe93, JGZ06, LC05a, LC08]. Delay [BP97a, BMV05, ELtHR00, HV04, HXB11, HXB13, JMM10, Kus00, May08, SSH06, TSK09, ZCZK14, ZPE12]. Delay-Dependent [HV04]. Delay-Differential [SSH06]. Delays [HV04, SE11, SE13, XZB11]. Delta [SJD14, Wen08, Wen10]. Deluxe [BPS+14a]. Denoising [AKM+14a, CC10, CC03, CMK11, VO96, WC08, WY13]. Dense [BOR97, BDvdG05, Bor07, Che98, DB98, FT03, HLD12, HW94, HJS99, Hog13, Nat98, PBP13, Rah96, WLX+13, Yan94, L93]. Densities [Gub96, KKS08, SY10a]. Density [AM05, Bar12b, BTGH12, EM09, ES00, FGMP13, FGMP14a, FGMP14b, HSF07, LY13, Red99, RN14, TV98a]. Dependent [ATK12, BCM11, CB08, CCG14a, CEJ+10, CBS00, HV04, Hwa07, Kna98, LH00, MO00, ML11, RZ03, RSSO8, RWX07, SE11, SB05, SKJ+13, TUV10, ZCW10, vSRV11, Nor07]. Deposition [GST+99]. Depth [ZC106]. Derivation [ABBM98a, CGH11, FHFR13, XW05]. Derivative [AMHR13, BrVC9+10, HR14, HBSC97, IT14, SPKB13, XC13, DS95b, SS93a]. Derivative-Extended [SPKB13]. Derivatives [Cao07, DS97, GPK04, HW14b, KPS09a, Man99, OB05, RKL07, MS93a, WTS94]. Derived [CL03, LM00]. Deriving [DO11]. Described [AKM14b, GPS05]. Describing [MK96]. Descriptor [GWW13, HSS08]. Design [APSG14, BFL07, CM98a, CM98b, CGDD11, DKKP14, GS12, HOY03, HMR09, HRS10, LD04, PTvR+14, ST03, XZ14]. Designing [CCO11, Huc08]. desingularization [HLS93]. Detecting [FD03, VP11]. Detection [BS95, CD06, HA08, LS09]. Determination [Jac03, NH14, XC13, Sar97]. Determining [BIK02, CWD13, GJ05]. Deterministic [CCM05, FS12, FS13, Kue12, Ros96, WKKP13, XZ14]. Deterministic-Stochastic [FS12, FS13]. Deterministic/Monte [WKKP13]. Detonation [BJ01, HLW00]. Detonations [COZ96]. Developing [LHL11]. Development [DMBB10, LZZ99a, TKCC13, WL01, CSS93a]. Device [FFMT96]. Devices [BBGS13, BG07, RWA95]. devising [Yav93]. DG [KR14]. Diagnosis [BT00b]. Diagnostics [Str93]. Diagonal [AKA13a, AP94, Cas97, NP10, PKNS14, Saa05, TS11, VV13, dSL05]. Diagonal-times-Toeplitz [PKNS14]. Diagonalizable [HLLT97]. Diagonalization [BORG77, SBR06]. Diagonally [CENNO8, Q508a]. Diagonals [DHR09]. Dielectric [MG11, XJS12, XJS13]. Diffeomorphisms [CM09]. Difference [BS94, BM10a, BM10b, FV06, FS02, Gas13, GHST98, GW04, GM04, HZ11, IW14, ILK05, IT09b, Jia14, JSZ13, JX13, JZ00, KP99a, Kup01, LN03, LW03, LSL11, LP03, Lu95, MK98, MC10, Min02, NN03, Not00b, OL98, OSCE00, PKD13, QS03, RU01, RLC08, Str99, TB90a, TW05, Wan04, WB12, Yan02, ZL13, ZJ96, Zin00, dVM08, Eilt96]. Difference/Element [ZHLL13]. Differences [ADK+98, Hun96, Kwa99]. Differentiating [BT03a, BN13, BM05, Kye12]. Different [SY10a, BME93, BEM94]. Differential [AC08, ACVZ12, AVZ13, AS94, BP97a, BJNN02, BS96a, BCM05, BB03, BBC07, BMV05, BHP98, BHW99, BOPGF06, BB02, BKL07, BDW11, CG95, CB98, CLPS03, CP04, CG14a, CKK03, CCG14b, CMM95, CRV13, EPR10, ELtHR00, EM99, FGH+08, GASSS98, GK03, GB98, GPS95, GW00,
HH13, HJ98, HLS98, HO94, HO96b, HVW95, HV95, HHL07, HG00, HV04, HXB11, HXB13, IM99, JL03, KK13, KMWR97, KL12, LCH09, Lee09, LLS13, LN05, LPR98, LZ13a, LCH99, MR09, MB00, McL95, MT97b, MT06, Mis01, Moo00, MS07c, PRM97, PP12b, Pul08, RM00, RF10, RW06, RWX07, Sch98, Sch05, SE11, SE13, SB05, SSH06, TSK09, TS14, Vii14, WL08, WH13, XK02, XH05, XT06, YR12, ZTRK14, ZCP06, ZFZ14, ZPE12, ZKV99, Zyg11, bZOW07, AGC96, Boc93, BHP94. 

differential [Gre93, HHRV93, Lam97, MT97a, MS93a, ZV05]. 
Differential-Algebraic [AS94, BHP98, CLPS03, CKK03, GB98, GPS95, GW00, KMRW97, MB00, PRM97, RMB00, Sch05, BHP94, MT97a, MS93a].

Differential [BBR04, BV00, CV98, CJ99, GM00b, HBSC97, KLZ+06, LLHF13, LKvBW10, MB00, PT08, XC13, AMB+94, Jam96].

Diffraction [HSSZ09].

Diurnal [JLY08, KdS05, QS14, dSK11].

Diffusion [ADR14, ABD99, AHH12, AKM14b, AE05, Bar12b, BG98, BPR13, BDK12, BW01, BKS98, BHK12, BG04, CNP12, CH08a, CMK11, CLST03, CKV99, CDG+09, CFM96, EFHL09, EV13, EPSU09, FMM98, FDS13, FDE+06, GKV00, GH07, GB06b, GT06, GV98, GGS08, HG08, HP14, Hen05a, IP06, JX13, JLY08, KGM+08, KGM+11, KBK+08, Kha98a, Kha99, Kna98, KL00a, KL11, LS12a, LP96, LMR98, LR12, LM08, LW12b, LS05b, LSV13, Lu95, MO10, MPS09, Not12, PKNS14, PDH09, PS08, PS13, PP05, PC98, RC06, SBP04, SRS12, SY08, SYY09, SM94, TTSM08, TK13, Tse08, TUV10, TM14, UE12, VS04, WXK04, WDE+99, Wan07a, WB12, WE06, YTL11, YYY11, Zbi11, ZJC12, ZRTK12, dFL05, ZLS12].

Diffusion-Advection-Reaction [Zbi11].

Diffusion-Reaction [VS04].

Diffusions [ZWH+14].

Diffusively [BMV13].

Differential-Algebraic [AS94, BHP98, CLPS03, CKK03, GB98, GPS95, GW00, KMRW97, MB00, PRM97, RMB00, Sch05, BHP94, MT97a, MS93a].

Differential [BBR04, BV00, CV98, CJ99, GM00b, HBSC97, KLZ+06, LLHF13, LKvBW10, MB00, PT08, XC13, AMB+94, Jam96].

Diffusion-Reaction [VS04].

Differential-Reaction [Zbi11].

Diffusively [CM09].
DK10, DAE02, GM14a, GGK04b, HG12, HG00, LAG14, LL00, MS03, NNH99, PR09, PP12b, RT99, She94, She95, SV00, XOMN10, YMW07, BME93, BEM94).

Direction [BF06, HV96, MO10, NWY10, NWY11, Sta94, WY12, WY13, YZ11].

Directional [BF06, HV96, MO10, NWY10, NWY11, Sta94, WY12, WY13, YZ11].

Directions [CJ95, FGM95].

Director [RG13].

Dirichlet [BK00a, BP06, CCG14a, Fli13, KL06, KP05, NXDS11, OK13, OWO14, YCZ13, Zha94].

Dirichlet-to [Fli13].

Dirichlet-to-Neumann [NXDS11].

Disaggregation [KV13, DS96].

Disappearing [APZ13]. Discontinuities [GB98, GM14b, LS94, RH06, TB02, WL97].

Discontinuity [DQQ13, IT14, LCH09].

Discontinuous [AGH13, ACCP13, BB13, BCS11, BDK12, BMV11, BG04, Cas02, CNP12, CKQ14, CT03, CD02, CVK13, CHH10, CDG+09, CRKRO1, DF99, DHE13, EJL01, FDS13, FHL13, GK11a, Gas13, GHH07, GL08, GH99, GW04, HA01, HHE10, HH02, HHvR03, HS01a, HS99c, HXB11, HXB13, JWH08, Kan03b, Kim05, Kim08, KG14, KT08, KP06b, K013, LI01, LY14, LK98, MN07, MRRK13, ORST12, OLV08, PP08a, PP08b, Pet05, PRSS11, PoH99, QS05a, QS05b, QS08b, RCM12, RG09, RSA05, SSDN12, Sch08, TLLK09, War13, WWM03, Xu04, X058, XOMN10, ZK14a, ZCZK14, ZCL+11, vSRV11].

Discontinuous-Coefficient [DF99].

Discontinuous-Continuous [Kim08].

Discrepancies [GPS12, MC94].

Discrepancy [CZ13].

Discrete [AP14, AB08b, AKM14b, ACD+08a, ACD+08b, BT06, BST08, BPS13b, BPS13a, Bur97, CHKM13, CS10a, CW13, Che13, CW14, CH11, DHIW08, EEO01, EdDP09, FH06, FT03, FGH+08, Gars09, GNOR14, HHE10, HM10a, HH13, HPS06, HGM14, JV96, Kof04, LCA08, MRS04, MNvST13, MM07, OV07, PBWB14, PRR05, Rah96, Reg96, RF10, RS02, SBX+08, SW10b, TZ14, VN03, W009, WB00, ZD09, ZW03, ZNSX14, vGEV07, AD96, HO93, Sch96].

Discrete-Dipole [Rah96].

Discrete-Ordinate [HHE10].

Discrete-Ordinates [NHD10].

Discrete-Time [JV96].

Discretisation [GR96].

Discretizations [ADGM98, BJM03, BYL13, CGA95, DT03, EHS+07, FH06, GJP+14, HZ11, JK00, Kan03b, Kye12, Lee10b, Lee10a, Lee12, MAA98, PWZ10, PP08b, QS03, SV08a, TW13b, TM14, TV98b, Ul110, UEE12, VV05, WW03, MM93].

Discretized [Bje95, GM14a, KT08, RNR13, RLC08].

Discriminant [AdVC00, CG10, CLN12].

Discussion [ABB13].

Disease [BF13].

Disk [TC99].

Dispersion [GK11a, Le 05, VSBH99, XS08, MP94].

Dispersive [GMO14, LHL11, PS10a].

Dispersively [AP12].

Displacements [LY98].

Displacement [HHE10].

Dissection [GB98, GM14a, KT08, RNR13, RLC08].

Dissimilarity [GLT09].

Dissipation [GKO14, LGM13, LS95].

Dissipative [CDGT01, GMO14, LSU11, Mal07, Sha03, WS95].

Distance [BTVC+10, CS11, CSS12, Gro02].

Distance-2 [BTVCG+10].

Distributions [BBK06].

Distorted [SY08, SY90].

Distributed [AKK14, AK04, BDD+97, Bar12b, BBGS13, BCF13, BHY08, BTVC+10, BF100, GY06, GKK10, HKRO2, HWDO2, HV04, KUS09, KL12, PR96, Rag95, SS99, SE13, Sun96, T099, Wan07a, Liu93].

Distributed-Memory [BTVCG+10, SY90].

Distribution [AB20, AD14, BLH02, DGS08, KKO2a].
KB96]. **Distributions** [BSHL14, CS14, Gub96, Man99, PF12, SBM07], \**div** [DMMO05]. **Divergence** [BF14, MS06a, Sch02, Tor05, WWY09, XZ10], **Divergence-Free** [Sch02, WWY09, XZ10], **Divergence-preserving** [Tor05], **Divide** [HLD12, LT09, LS13b, NH13, TD99, VTD12, LL93], **Divide-and-Conquer** [LT09], **Dividing** [Hun96], **Divisible** [IK10], **DNS** [Hof05], **DNS/LES** [Hof05], **Domain** [ABLS05, BMP14, BJNN02, BL04a, BLB00, BRT07, Bla98, BT13, BIA05, Cai95, CMS94, CHL06, CCG14b, DD13, Den97b, DS95a, DSZ13, DW94, EHL05, FKK+14, Gar94, Gri95, HNM+13, HRT03, HN06, Hes98, HLY13, JFG13, JKKM01, JKL07, JZ00, Kla98a, KW00, Kus07, Lar99, Lee13b, MRS04, MPRW98, MR94, Mv95, MSV00, Nat95, Nat97, NP08, PL12, PV94, PV95, QSVO6, RL10, RBBO6, RW01, RG06, ST98, SD11, TS11, TZ14, TP09, WG00, XA99, YCCT0, Yu01, YYYY11, ZS02, Zim14, de 99, vLH14, vdZvBdB10a, Ain96, Cai93, Hes97, SS95, SS93c], **Domain-Decomposition-Type** [TS11], **Domain-Map** [vdZvBdB10a], **Domain-Oriented** [Gri95], **Domains** [Ama98, AGH13, Bar14, BK06, BWZ10, BOPGF06, CF05, DK11, DR13, FDWF07, FKW13, HG02, HNO06, HT09, HLUW13, IKL06, KY07, KLY05, RS03, SY12, SK05, SF08, XT06, VB07], **Dominance** [Saa05], **Dominant** [LWZ13, Q580a, RM08a], **Dominated** [Ber95b, DMS01, GR05a, HR99a, Hei96, HY10, JX13, WX99, PCD99], **Doniach** [DG99], **Donor** [MS98], **Dot** [CWC08, OR005], **Double** [BGH14, Nie06], **Double-Precision** [Nie06], **Double-** [CT07, DP98, SLO02], **Down** [SCM10], **downdating** [BPT93]. **DP** [KLO6, KL10, KLR14], **DPG** [GMO14], **DQDS** [LGP14], **Drag** [Hof05], **Drift** [BS95, BHN10, BBM+08, Kla98a, Kla99]. **Drift-** **Diffusion** [Kla99], **Drift-** **Flux** [BHN10], **Driven** [GDL14, IA14, MP08, TVV11, Kös07], **Driver** [Der08], **Driving** [BM11], **Dropping** [May05], **DRp** [PP12b], **DSMC** [Ste11], **DST** [ZLBC03], **Dual** [ACCO00, BCS07, BO07, BC09a, CGM99, CW14, HS06d, HSW08, IMS96, KR06, LD03, NH12, PGW12, FCR93], **Dual-Primal** [KR06], **Duality** [BBT11, CHKM13, CJK10, CH11, H04, WW03], **Duality-Based** [CJ10, Ho04], **Due** [Men94], **Dumbbells** [KP10], **dummy** [MS93a], **During** [May08], **Dusty** [PL06], **DWT** [ZLBC03], **Dykstra** [BR05b], **Dynamic** [BBGS13, Ber98a, BB09, Cab94, CCFP12, DEP11, GGLT00, HM10a, HJ04, HEGH14, LXS+08, NNRW09, PR09, RP01, SV08a, SS09, WMI09, YP98, ten95], **Dynamical** [BS05a, CW12, GDLS14, HWW00, LS11, MTM08, RM08a, SHP07, Sma04, WTB09, WSH14], **Dynamically** [BBSV10, MM98, MMN00], **Dynamics** [APvDG12, ACCP13, BLS09, BMTZ13, BOR97, BLR99, CGK13, DY06, EW00, FGL09, HJMS07, Jah04, Jay98, Kim05, LR10, LL98a, LL11, LFWP08, NKTY08, NV08, NBA+14, OKF14, RWK14, RN14, SDNL10, Sch94, Sha03, SP02, SS97, SAI03, TKW08, TPW09, WGF08, YHS07, Zim14, AP93, SRCG93], **Each** [CGL+13], **Early** [LBOO8], **Early-Exercise** [LBOO8], **Earth** [KY14], **Easy** [GG09], **Eccentrically** [GP96], **Eddies** [SL09a], **Eddy** [AL07, BST08, CCCZ10, EAS08, H04, KL12, RH09], **Edge** [BG10, BBMR03, Cas97, MNP07, PH13, RT01, Wal13, dVL10], **Edge-Preserving** [BG10], **EEG** [WKM+07], **Effect** [FLM+05, HJP04, SHP07], **Effective** [AHH06, CP05, EHL05, JZ13, Kye12, MCT+05, NV08, TG04, WS05], **effects** [DS96], **Efficiency** [AMM+11, BSA13, CD02, HJ98, Kra09, vHBT12], **Efficient**
[ACCO00, AM05, ABTZ14, BS08, BK07, BS95, BCR11, BS05d, BMTZ13, BdsSM11, BSSW13, BL07a, BT97, Bo103, BV00, BR11, BBK06, BHK12, CB98, CMS94, CH02, CL03, CN10, CV98, CJ99, CRV14, CD06, CVW06, DH03, DAE02, EW00, Ema10, EPSU09, ES00, FDFW07, FNNB05, GNOR14, GST12, GM14b, GKT09, GS02a, GE96, HRT10, HNS08, HJS99, HB04, HBSC97, HMW07, IBM01, Jin99, JW13, Kon08, KZ00, KHW+14, LS13a, LZ13b, LM14b, LC05b, LD11, Mac98, MH95, MIL13, Mön08, NH13, OS98, PKR+13, PH11, QOQP99, RY03, RW07, RKL09, RS13, RS99, SS98, SSW12, She94, She95, She97, She99, SY10b, SY12, Slo02, ST11, SF99, SO09, TT07, TB99b, UEE12, VPP05, WS06, Wan13, WLX+13, WBFA09, WB08b, WGF08, Xia13, XJS13, XC13, YZY09, YP98].

Ecient [DG95, LSM93, PCDB96, RG94, Yav93]. Eciently [KMV05]. Eigenbasis [Liv08]. Eigendecomposition [HKO99]. Eigenfunction [BBK97]. Eigenpair [Du98, MB99]. Eigenpairs [De 12b, GWMG03, MW01, YZ07, YZ08]. Eigenproblem [LZ99a, Oet99, LZ94]. Eigenproblems [AA13, BCR03, EPE05, GPP95, LZ99b, PPB13, Sta07, SM07, LL93]. Eigensolver [BDvdG05, HJS99, HLTT97, Kny01, Nik00]. Eigensolvers [DMPV08, MRV06, MS06b, PQOB14]. Eigenspace [BL04b]. Eigenstructure [BCS07]. Eigenvalue [AH04, BS07, BBB14, BYL13, CJO5a, CDY07b, CHH10, DN13, DJLZ96, EMM+99, ET01, rFS12, GK03, GY02, GVMM14, HLD12, HvdG96, HIL10, HvV03, HLM03, JMM10, JKM14, KAL007, KsU14, MV00, MS06b, Mee01, MG12, NZ06, NH13, Ng00, NvdP00, SG11, SW03, Sta07, TD99, VMM13, YGB+05, ZLG98, vD03, CW93, DS93, MCJN94, MS93b, Tre97, YL93]. Eigenvalues [ARMNW10, BS05e, Bou01, BBO09, CP95, HLT97, KM05, MS12, MN11, OK13, Rah00, RN14, SZ06, SBND11, SM07, SO10, Tre93].

Eigenvector [JKM14]. eigs [WT01]. Eikonatal [ABMR11, CI12, CCV14, FJP+11, FK13, GK05, JW08, ZCL+11]. Einstein [BD04, BS05c, BL08a, BLS09, BMTZ13, BN00, BH08]. Elastic [CSW99, DKM14b, HMCK04, Lay06, LL97, Lj90, Min02, Sc95, TY00, VM09, LP06, TR93]. Elasticity [CLMMM00a, CLMMM00b, CF05, DZ08, GOS03, HH13, KW00, KRO6, Kra08, Pav98, PWZ10, VTB99, CMV97]. Elasto [FKTW10, LXX08]. Elasto-Acoustic [FKTW10]. Elastodynamics [BHG14, BTR07, BL04b]. Elastohydrodynamic [GB06a]. Elastoplasticity [GV09]. Elastostatics [Sch03]. Electric [ATU7, BBGS13, BJ08, HSZ12, ZB12]. Electrical [vdDA12]. Electrified [VPP05]. Electrocardiology [FDE06, PS11b]. Electrocardiography [VP10]. Electromagnetic [AILP07, BS05b, BG98, BS06a, CHM02, HA01, MG07, PS10b, Rah00]. Electromagnetics [CHL06]. Electromagnetism [CDG05]. Electromechanical [RDP08]. Electron [KKS13, LFJIS, WPL+13]. Electronic [DLY14, LYL+11, Rub12, WMUZ13, ZZWZ14]. Electrophysiology [BFSN08, CWG10]. Electrostatics [BFR11]. Element [AE08, ABF99, AV14, AGL13, BB13, BH14a, BCR11, Ban08a, BJNN02, BHV05, BB10, BB14, BBGS04, BMM98, BC09a, BP13a, BPS13a, BYL13, Bla97, BRMR03, BP13b, BBMM10, BCF+00, BK11, BHW99, BRB12, Bur13, Bur14, BG13, CGQ10, CG99, CPV95, Car07, CM98a, CM98b, CBG12, CP03a, CK03, Cas97, CD02, CCCC10, CMF96, CHOH1, CVE13, CS14, DY06, DB98, DLG97,
DMMO04, DMMO05, DG98, DLTZ05, DKR12, DEP11, DZ08, EJJ08, EHW00, Fai03, FS01, FHFR13, FGM08, FKTW10, GJ08, GYZ11, GK11a, Gas13, GL08, GKT09, GKS08, Gra14, GC97, HH02, HL09, HR99a, HV01, HY08, HJP03, Hor10, HS01a, HY10, HK95, HS99c, HLY13, HSSZ09, JV96, JK11, JK05, JV01, JGZ06, JR96, Kan03a, KL05, KKLs05, KLST06, KS07, Kir14, KG14, KS14, LW12a, LP11, LP13, LR07, LP08, LDS11, Lee14, LHL11, LKvBW10, MR04, MM14, MRT00, MLL13, Mic01, MTTV98, MS12, Moo00, Nat98, NNWR09, NV98, NSK10, OSU10, ORST12, PRS12, PDTVM08, Pav98, PWZ10, PSGK13, Pic10, PWGW12, PC98, QZZ14, RT01, RS03, RW01, RPD08, RV10, RLC08, RWW14, Sar98, SJR09, SV08a, SL09a, SZ06, SWT00, Sta00, Ste01, Ste00, SL09b, TKW08, Tau96, Ull10, VP10, VP14, VM13, WK06, WLE*00, Wan01, WWV09, WH09, WKM*07, YSZ14, YK03, ZK14a, ZCZK14, ZN05, ZMS10, ZK96, Ain96, CGP93, MMPR93, MP94].

**Element**
[LOSZ07, LP96, LLP98, LMR98, Le 01, Le 05, LP07, LP08, LDS11, Lee14, LHL11, LKvBW10, MR04, MM14, MRT00, MLL13, Mic01, MTTV98, MS12, Moo00, Nat98, NNWR09, NV98, NSK10, OSU10, ORST12, PRS12, PDTVM08, Pav98, PWZ10, PSGK13, Pic10, PWGW12, PC98, QZZ14, RT01, RS03, RW01, RPD08, RV10, RLC08, RWW14, Sar98, SJR09, SV08a, SL09a, SZ06, SWT00, Sta00, Ste01, Ste00, SL09b, TKW08, Tau96, Ull10, VP10, VP14, VM13, WK06, WLE*00, Wan01, WWV09, WH09, WKM*07, YSZ14, YK03, ZK14a, ZCZK14, ZN05, ZMS10, ZK96, Ain96, CGP93, MMPR93, MP94].

**Element-Based**
[CBG12].

**Element-by-Element**
[FS01, SWT00, DLG97].

**Element-Free**
[HV01].

**Elementary**
[CVW06].

**Elements**
[Ain07, AAD11, Ain14, BRT07, Bla98, Bre96, Cao07, CSW99, CGP12, Che98, CF05, CG07, CDPC13, GJ07, HT00, HPS08, HTW*12, Kup00, LO11, MT09, MNP07, NHSS13, NN14, Ols07, PV08, PP12a, PZPR07, PRM09, PRSS11, RKL09, Ros97, Ros06a, SB10, Sch02, SF08, WS07, Wan01, WWY11, WSK99, ZHS10].

**Elementwise**
[LMR98].

**Elimination**
[CL11, LRW96, Saa96, Rag95, Wri93].

**ELLAM**
[WDE*99].

**Ellipses**
[Gro02].

**Ellipsoids**
[Kue12].

**Elliptic**
[ABLs05, AGH13, ADK*98, AP99, BDS98, BJNN02, BC*01, BK06, BF95, BAS09, BB03, BIYS00, BHW99, Bur13, CPV95, CPB13, Cas02, CCER12, CT03, CD02, CJ05a, CM99, CRV13, CH11, DK03, EPR10, EGKS94, EMT09, EPV94, EIL01, Fro12, Gar05, GM14a, GH99, GS00, HCR13, HN06, HG00, ILK05, Jia14, JCL07, JGZ06, KMW99, KS11, Knm96, KT08, Kus97, LP11, LP13, LV13, Lec09, Lee13b, LY13, Lui00, MV94, MK08, NRMQ13, NV98, Ols07, PL03, PS11a, PP08a, Pic03, PRSS11, QZZ14, Sch98, SY10b, SY12, ST00, Sta97, TY08, TV98b, WR13, Wan04, Xu94, YZ05, bZOW07, Cai93, Gre93, HHRV93, McG95].

**Elliptic-Parabolic**
[LV13].

**Elliptic-Type**
[Kus97].

**Elliptical**
[PRM09, Ros06a].

**Elliptic-Parabolic**
[LV13].

**Elliptic-Type**
[Kus97].

**Elliptical**
[AP12, BH12, CKN06, HBL05, KP05, KP06b, LKvBW10, ÖB05].

**Embedding**
[DN97, GLT09, MDC08, CG93].

**Empirical**
[CS10a, DHO12, JK10, Kea97, PBWB14].

**Employing**
[WWY11].

**Encapsulating**
[UA04].

**Enclosing**
[LHL12].

**Enclosures**
[BBB14].

**Encoded**
[NNRW09].

**Energetic**
[Lee10a].

**Energetics**
[BZ10].

**Energy**
[BPS14b, BW01, BJ08, BMR13, DK10, DJP00, DG09, Doh03, DS14, GJ08, HSWW08, HJP03, HJP04, In99, KG14, LW12a, Li03, MNP07, OST11, OWO14, RWW14, Sha12, SY14, Vas10, WCS00].

**Energy-Based**
[Sha12].

**Energy-Consistent**
[HSWW08].

**Energy-Corrected**
[RWW14].

**Energy-minimizing**
[WCS00].

**Energy-Transport**
[BJ08, DJP00, GJ08, HJP03, HJP04].

**Engineering**
[JKR08].

**Enhanced**
[ADK*98, EEO01, HLM*09, JFG13, KM98, PDTVM08, Zim13].

**Enhancement**
[DGP10, DS97].

**Enhancements**
[EG93].

**Enhancing**
[NZZ06, Wan12].

**ENO**
[GB12, JP00, JSZ13].

**Enriched**
[HY10].

**Enrichment**
[SL09b].

**Ensembles**
[AM04].

**Entries**
[ADL*12, CXY10].
Entropy [AHT12, B109, DGS08, FR10, Pup03, WE13, ZWH14].

Entropy-Based [AHT12].

Enumeration [AHJS01].

Environment [ADL12, BS98, LCBD07].

Epistemic [LX12, LQX14].

Epitaxial [BHV05, LL11].

Epitaxy [QZT11].

Equality [GHN01, wLxY00].

Equation [ABMR11, ADKM03, APS12, ADGM98, AB08b, AL99a, ATV07, AP12, ABI00, BBP13, Ban10, Bar12b, BPD07, BLS14, BT97, BCM11, BGS09, BVV08, BV00, BP13b, BH19, BTT13, BL08, BM09, Bur07, CC14, CGK98, CKS01, CL10, CCG14a, CP03a, CP05, CP07, C10, CD13, CH08a, CDH98, CLAT10, CJ95, DMM05, DJ08, DHH08, DKP12, DK012, Du11, DM14b, EBR00, FF08, FJ99, FL04, FM06, FHL13, Fz08, FKW13, G10, GMN02, G140, GK98, GK05, GHR12, GHL10, HG98, HHT03, HHE10, HP14, HT13b, HSW11, HRT03, Hen05a, HZ12, HZ98, HR99c, HW09, HV07, J10, JVG12, JLY08, JS10, JW13, KA95, KKF11, K13a, KP10, KL13b, KP05, KP06b, KS14, KO13, L10, LMM00, Lee10b, Lee10a, Lec12, LM05b, LY08].

Equation [LXK08, L04, MRS04, MG11, MBK10, MW03, MC12, MR01, MV06, Nas09, NAS13, NMS06, OL98, PD09, PR01, Pet01, Pic10, Q14, RBH06, RU01, RK07, SBP04, Sch05, SAB14, Str94, Str00b, SD11, TY08, VMG09, VB07, WXX04, WT14, W10, WH13, XKw08, X08, YMW07, YT11, ZL13, Zha96, ZD09, ZJC12, ZW03, ZSpH14, Zhe07, BPD96, CDH97, Eht96, JS93, Lie93].

Equations [ARMNW10, AC08, ACV12, AV13, Abg09, APZ13, ACL09, AL09, ANP00, ABK11, ACD05, ADK98, AA02, AS94, AC95, ADM10, ACCP13, BS08, BBSV10, BHN07, BGL08, BHL02, BP97a, BT06, BYK05, B1N02, BK98, BK99, BHO0b, BJK03, BGN07, BGN08, BN00, BLB00, BG98, BM01a, BSS09, BL07a, BV11, BC09a, BHK14, BM08, Ber95b, BPS14b, BCF12, BK10, BP12, BCM05, BGV03, BHST08, BMS97, BPR13, BV09, BHT11, BBC07, BM05, BC99, BJ08, BL03c, BL05, B1W99, BOGF06, Bu13, Bu14, BEP98, BB02, BL07, BHK12, BDW11, CCF12, CLM06, CLW13, CH09a, CG95, CB08, CLPS03, CP04, CCG14a, CF05, CBG12, CM09, CCA03, CNP12, CV12, CMM08, CGK13, CCC12, CW10, CHM10, CL03, CCM00a, CVK13, CW06, C109, CCV14, Co12, CKK03, CG07].

Equations [CCG14b, CG11, CRV14, CRV13, CH11, DB98, DD13, DG98, DLT05, DG09, DP10, DT03, DAE02, DGGG09, DP03, DF99, DHO12, DHE13, EPR10, EDGL12, Elm98, Elm99, Elm00, EEO01, EHS07, E11R00, EOZ94, EM11, FS01, FCM08, FM11, FS1v98a, FGV0, G10, G00, GASS598, Gar97, GN014, G03, G10L, GHST98, GW98, GB98, GT06, Gra14, G18, G05, GS95, GW00, GS97, H02, HW13, HS05b, HL09, HNS08, HSS08, H19, H11, HRT13, Hen06, Her08, Hes98, HLM09, HLS98, H094, H066b, HBS00, HH11, HVW05, HCS99c, HT13b, H10, HY04, H09, HW09, XB11, HXB13, HK02, IM99, ILK05, JL03, JW08, JL11, Jia14, JP00, JX13, Jin99, JCL07, JK05, JP08, JL05b, JK00, JZ00, KM11, KNN12, KG11, KL11, KM97].

Equations [KK13, KS99, KL102, KL05, KGGS10, Kla98a, Kla99, KR11, KL08, Kue12, KW10b, KQW04, KMR07, KL00a, KNP01, KP99b, Kus07, KR12, Kus00, K12, LW12a, LS12a, LS99, LCH09, LLD99, LLP08, Lay03, LL03a, Lee09, LLS13, LM08, LM12, LNS06, LN05, LPR08, LH11, LZ13a, LT00, LL08, LW13, LPS13, LY14, LB06, LFS08, LC196, LCH09, LN04, Lu95, Lu10, LXX11, MR09, MN07, M107, MM594, MK00, Mar09, MB00, MSW05, MPRW98, ML95, MK08, MT96, MP08].
MT99, MT97b, MT06, Mis01, MSS12, MN11, MS07e, MV06, MSV00, NKLW94, NV98, NBA+14, NSK10, Not12, Okt05, OR02, PKNS14, PS10a, PL12, Pen00, PT01, PP08b, PRR05, PRM97, PP12b, PELY13, PS12, Pul08, Pup99, Rah96, RAB+14, RT01, RL10, RW11, RMB00, RC06, RG09, RW01.

Equations
[RW06, RWX07, RSA05, Sar98, Sch98, SV08a, SE11, SE13, SY99, SY09, SM94, SWT00, Sim07, SB05, SvG08, SV11, Sta94, SM10, ST98, SSH06, TNL14, TLLK09, TW05, TC12, TSK09, TM14, TC99, Tor05, TS14, VS04, Vi14, VS03, Wab05, WC03, WDE+99, WL01, Wan07a, WL08, WWY09, WWY11, WMC12, WB12, WWM03, WE06, XZB11, XK02, XH05, X06, Xu94, Xu99, Xu04, XZ10, YCZ13, YJ13, YDF97, YCC10, Yan14, YR12, ZK14a, ZCZK14, ZS03, ZV05, ZCW10, ZCL+11, ZLS12, ZRTK12, ZTRK14, ZCP06, ZFZ14, ZS02, ZPE12, ZKV99, Zyg11, hZOW07, iW11, AGC96, ABS96, ABCM97, ABCR93, Atk94, AO93, BZ96, Ber97, Bia94, Boc93, CC97, DS95a, EOD93, ES96, Eno97, ED95, Gre93, HHRV93, HG96, Hes97, LG93, Lam97, LV94, LCM95, LMS93, MT97a].

Equations
[MS93a, MCJN94, MP94, PSB+06, PM95, She94, She95, SS95, WAS94].

Equator [Mar09]. equidistant [bZOW07].

Equidistant [BKS08].

Equidistribution [Che94, CF97].

Equilibria [AHJS01, HB04, Kue12].

Equilibrium [PP05, TW96]. Equivalence [FKTW10, WB99]. Equivalent [DH01].

Equi-variant [Tau96]. Erratum [BEM94, CDW14b, FGMP14a, FS13, Hri05, LB08].

Error [ABF99, AV14, AdVC00, Ain07, ASZ07, ATK12, BR02, Ber95b, BPS14b, BCM11, BP13b, BBT11, Bre99, BDW11, Cab94, CP04, Cao07, CGAD95, CF00, CP03a, CK03, CP07, CW08, CJ09, Che94, CV94, Cho05, CW10, CHH01, Ded10, DP09, EWH00, EM09, FL02, GLS08, GGL07, GSS00, Har08, HHW00, HL98, Hof04, HR99b, JSV10, KKP14, Kas95, KS99, KW10a, Kull12, LV07, Liu96, LPP09, Men11, Nor07, OC03, OC05, PS02, PDH09, Pic03, Pic10, PS10b, RL13, San10, Sch03, SKJ+13, TE07, TP99, TBO10, WC03, WWY11, Wei94, WW10, WSH14, ZCK12, ZHS10, dLR09, vdZvBdB10a, vdZvBdB10b, DG95].

Error-minimizing [Wei94].

Errors [GK11a, GKK+04a, GMO14, GPS12, Hei13, HW99, Men94, RW97, Rub12, ten95, AGC96, SS93b]. Errors-In-Variables [ten95].

Escape [GDLS14]. Essential [Sch99].

Essentially [CRF05, QS05a, QS08b, ZLS12].

Estimate [BR02, Str93, Wat98].

Estimates [AL07, BP13b, Bre99, CDH98, CAB04, HZ11, HR99b, JSV10, KL94, LD03, Men11, PDH09, TBO10, WW03, ZCK12, ZHS10].

Estimating [AMHR13, HS12, HR14, Lei93, MW11, PVV11, SLO13].

Estimation [ABF99, Ain07, ATK12, AM05, BP97a, BG10, BF13, BPS14b, Bla03, BBT11, BM00, CP04, Dec10, EHW00, EM09, ES00, FB95, GCB04, GM00a, GK13, Har08, HCHT13, Hei13, Hof04, KH14, KS99, KLR98, KUH96, LV07, LX08, Liu96, MS07d, Ns94, PS10b, RW13, SPKB13, SW01, TE07, TP99, WWY11, WE13, Win06, WSH14, YR12, YSS07, vdZvBdB10a, vdZvBdB10b, Liu93].

Estimator [LPP09, Pic03, Pic10, Sch03, WW10, HW99].

Estimators [Red99, TV98a].

Euclidean [ACCO00]. Euler [ABC97, CBG12, CCM08, CPR11, DT03, EOD93, Eno97, HG96, Hes97, LG93, Lam97, LV94, LCM95, LMS93, MT97a].

Evolution [AHJS01, HB04, Kue12].

Evaluate [BS98, Bar00, HS99a, PRM09].

Evaluating [DP07, Li10, Yun03].

Evaluation [AO07, Bar14, BN98b, BV98, CBN02, CBS00, DP09, Far01, FM12, GJM94,
GPK04, GGK04b, HKF+13, In99, Kea97, KKLS05, KLST06, KS07, KW11, LS12b, LHN96, LG09, LX14, Nit99, OSU10, OW98, RMC12, Ros06a, BS94, SS93a, Evaluations [KHRvBW14, TZ14]. Evaluations [KHRvBW14, TZ14]. Every [Fer98]. Evolution [BEG+08, BGN07, BGN08, Coa12, DHO12, EOZ94, JTZ08, KM97, KLS08, Kup00, LPS13, LFLS08, LMMW04, McL12, MK96, MRSS14, RS00, SL11]. Evolutionary [CDGT01, DKZ09, DLZ10]. Evolving [CM09, NNH99]. Exact [BHNPR07, BLP14, BBR08, CFSZ08, DN97, Fl13, JP08, NHSS13, NMS06, Oli01, PDH09, PV08, PEC+14, Saa03, SBP04, Str93, VS03, WMUZ13, ZH09, HLS93]. Examples [MT99, GM96]. Exchanger [VP14]. Excitation [CVK13]. Execution [MZW09]. Exercise [LFBO08]. Existence [FLM+05, Gar09, Zyg11]. Exit [BP06, GDSL14]. Expansion [Bur97, DLY14, OC03, OC05, PDA09, RZ03, RO12, ZRTK12]. Expansions [BBKK97, BDW11, CJS05b, FO08, JK10, Kei09, RT05, Rub12, RN14, TW09, Nat95, Nat97]. Expectation [LR10]. Expectations [ML11]. experience [Car93]. experiment [Ber97]. Experimental [BF07, TBKF14, BLO03]. Experiments [ABH03, APSG14, Ban10, BBC+01, BG12, CGP12, CGDD11, GNT98, HRV11, Kor93]. Explicit [AVZ13, AAI98, BPR13, BB09, BK11, CHAMR06, CS10b, CS10c, DW98, DGO9, EJL03, FG14, GK13, HS05a, HCR11, KW10a, Lay06, LD05, LMSS97, MO00, PKD13, SS93a, VS04, WL01, ZS02, EN97, LK93]. Explicit-Implicit [ZS02]. Explicitly [DCP11, EPE05]. Exploiting [AKA13h, EJL03, GRT05, MDC08, SLvDGK14, SBS98, SW03, SVG10a, Wan12]. exploratory [Sun93]. Exponential [AMH11, BDZ13, Bar12b, BN13, BG13, COR13, DLP05, HLS98, JL03, JL05a, LPS10, LT14, SL09a, TLT12, vdEH05, OS95]. Exponentially [BB10, Lan10]. Exponentials [PPT11]. Exponentiating [Lec13a]. Exponents [BHW99]. Exposing [BD012]. Expression [IHTR12]. Extended [AKPRB08, BPS13a, HTW+12, SPKB13, Ser06, Yun03]. Extensible [HULL00, KMA+12]. Extension [AP14, BT04, Bei05, KO13, Pip13, RSA05, TT13]. Extensional [KP10]. Extensions [Cho09, FFS07, Nie06]. Exterior [HHT03, KL13a, NHSS13, TET10]. External [Tsy99, Tsy97]. Extrapolation [DTV13, MS07c]. Extrapolated [CS10b]. Extrapolation [ALZ14, HI09, HO09, JR96, JR98, MMZ03, WTG12, WI12b, XZK95, Ber97]. Extrema [KV96]. Extremal [De 12b, Zha96]. Extreme [AHJS01, rFS12]. Extremum [WI12a].
BGL08, BZ10, BCR11, BMR10, BK98, BK99, BS05b, BOR97, Bar99, BR02, BN98b, BLB00, BACF08, BPT+14, BC02, Bir99, BD99a, BIA99, CDY07a, CDGS05, CV12, CCER12, CN93, CT94, CC08, CWA14, CBN02, Cho01, BS05b, BOR97, Bar99, BR02, BN98b, BLB00, BACF08, BPT +14, BC02, Bit99, BD99a, BIA99, CDY07a, CDGS05, CV12, CCER12, CN93, CT94, CC08, CWA14, CBN02, Cho01, CG10, CRT11, CX08, BDB13, DD12, DFN12, DN97, DKO12, DR93b, EB96, ES96, EE14, EOZ94, EY07, EG01, FGMP13, FGMP14a, FGMP14b, FWA+11, FM99, FJP+11, FKW13, GR02, GV13, GLR07, Goe97, GY09, GHST98, GK05, GD07, GLN09, GrM10, HA01, HT13a, HT14b, HJ07, He11, HG12, Hog13, HEGH14, HR98b, HG00, Inv02, ISS06, JW08, JP11, KK98, KV12a, KBK+08, KP11, KLZ+06, KW11, Kup98, KGT07, Lab05, LAG14, LS94, LG97, LMPQ03, LCA08, LFB13, LCD14, Li10, LYL+11, LB12, LFLS08]. Fast [LFBO08, LS02, Lyo11, MG07, MG09, MG11, MR07, MSW05, McL12, Nag93, NAS13, NP96, NCT99, NL99, OSU10, PS13, PS11b, PRR05, PP13, PS03, PT08, RRR03, RRR05, RT05, RT99, Rum09, SLFL06, Sch94, SC03, SV00, SvG08, SVG10b, Str94, TW09, Woo9, WB12, WYGZ10, XJBS12, YVB98, ZLBC03, ZCL+11, ABCR93, BS94, MMY+95, MMMY96, Sch96, CRMC12, CD13, EM199, ZK14c]. Fast-Multipole [EG01]. FATODE [ZS14]. FDF [PYSG13]. Feature [DTV13, HA08, HGPM14, ZCZ04]. Features [MRV06]. Feedback [BSSW13, NMWI11]. Fekete [PZPR07]. FEM [BC06, BHK12, CF00, GH02, Sc03]. FEM/FDM [BC06]. FENE [KP10]. Fermi [Rub12]. FETI [KL06, KL06, KR06, KLR14, RT01, Ste01]. FETI-DP [KL06]. Few [GH+09]. FFT [LFBO08]. FFT-Based [LFBO08]. FFTs [MK93, Pel93]. FTTW [Pip13]. Fibers [WiOH08]. Fictitious [BRT07, For06, HRT03]. Fidelity [CC11, NK10]. Field [ATV07, BFSN08, CS94, CL03, CRV14, DZ08, Gm10, HSZ12, HKC+04, HJP04, Hri03, Hri05, JW13, LY13, LS09, LXL11, MM14, RAB+14, SY10a, SY14, TK13, WPL+13, WUMZ13]. Field-Effect [HJP04]. Fields [ABB09, CPH14, GS14, HR98b]. Fill [CAK11, Oli01]. Fill-In [Oli01]. Fill-Reducing [CAK11]. Filling [GMPZ06]. Filter [FL08, LM14b]. Filtered [rFS12]. Filtering [Har11, KMW99, NMS06, vSRV11, NP96]. Filters [CCO11, MKRK13, RKLN07]. Fin [MR04]. Finance [MSW05, WS05, WS06, Wan07b, Wan12]. Financial [HW14b, KKS08, Mar01, RO12]. Find [Goe94]. Finding [CGS02, CK98, CP95, LZ01, LZ02, Liv08, Saa03, XYZ12, ZY05]. Fine [BDO12, But13]. Fine-Grained [BDO12, But13]. Finite [AE08, ABF99, AV14, Aer07, AAD11, Ain14, ADK+98, AGL13, AS05, AO06, BB13, BH14a, Ban08a, BNN02, BVH05, BB10, BBBBB14, BBGS04, BRT07, BSS09, BM99, BC09a, BP13a, BPS13a, BCF12, BYL13, BP13b, BKMM10, Bre96, BWW99, BRBT12, Bur13, Bur14, BG13, CH09a, CGQ10, CG99, CPV95, CM98a, CM98b, CS99, CK03, CGP12, CLP08, CZ10, CHK13, CD02, Che05, CCCZ10, CF05, CG07, CFM96, CDPC13, CHH01, CVE13, CH11, CSW14, DY16, DMM04, DMO05, DG98, DLZ05, DRFP07, DFN12, DFR12, DEP11, DZ08, EHW0, EIL01, F003, AV06, FHFR13, GFM08, FM11, FKTW10, FS02, FCM12, FL08, FEM08, G08, GY11, Gas13, GL08, GHST98, GKT09, Gra14, GJ07, GC97, HA01, HH02, H099a, HPS08, HZ11, HTW+12, HY08, HJP03]. Finite [Hor10, HS01a, HY10, HK5, HS99c, HLY13, HSSZ09, Hum95, Hum96, ILK05, IT09b, JV96, JK11, Jia14, JSZ13, JX13, JK05, JGZ06, JR96, JZ00, KP09a, Kan03a, KL05, KKL05, KLST06, KS07, K14, KP12b, KLY05, KLY07, KS14, KX10b, Kup00, Kwa99, Kye12, LdMV12, LW12a, LO11, LP11, LP13, LP96, LLP98, LMR98, Le 01, Le 05, LR07,
LP08, LDS11, Lee14, LOL13, LO14, LHL11, LSV13, LSZ11, LP03, LKvBW10, Lu95, LMMW04, LK98, MMZ03, MM14, MRT00, MLL13, MC10, MB13, MT09, Mic01, MTTV98, Min02, MSS12, MS12, Moo00, MSV00, NN14, NN03, NNRW09, NV98, NSK10, Not00b, ORST12, OL98, OSCE00, PRS12, PDTVM08, PP12a, PL06, PSKG13, Pet01, Pic10, PWGW12, PRSS11, PC98, QZZ14, QS03, QS08b, RU01, RW01, RKL09, RDP08, RV10, RLC08, RWW14. **Finite** [SB10, Sar98, SJR09, Sch02, SV08a, SL09a, SZ06, SYY09, SC02, Sta00, Ste01, Str99, SL09b, TB99a, Tor05, Ull10, VP10, WS07, WLE⁺00, Wan01, Wan04, WWY09, WB12, WH09, WKM⁺07, Yam02, YSZ14, ZLJT13, ZN05, ZJC12, ZLS12, ZMS10, ZK96, ZLJ96, Zin00, dVM08, Ain96, CGP93, Elt96, MP94]. **Finite-Difference** [FV06, HZ11, JZ00, KP09a, Lu95, OSCE00, RU01, ZLJ96, Zin00]. **Finite-Element** [AV14, CGQ10, GJ08, HJP03, Le 01, Le 05, LP07, LP08, LDS11, MTTV98]. **Finite-Volume** [FEM08, MSV00, ZJC12]. **First** [Abg09, AMMR10, AMM⁺10, AMM⁺11, ABM⁺10, AMM⁺11, AV14, AM05, BLM03, CLMM00a, CLMM00b, CP03a, CP05, DM13a, DFN12, FMM98, HO94, HO96b, HS01a, Lan94, LMMR00, NKLW94, OKF14, VC00, ZPE12, HO96a]. **First-Kind** [NKLW94]. **First-Order** [AMMR10, AMM⁺10, AMM⁺11, ABM⁺13, AV14, BLM03, CLMM00a, CLMM00b, FMM98, HO94, HO96b, HS01a, Lan94, LMMR00, ZPE12, HO96a]. **First-Principles** [OKF14]. **Fisher** [DGS08, RU01, ZW03]. **Fitted** [Woo94]. **Fitting** [BLS06, BR14, BFI07, FS12, HW99, LZ13b, LS00, NNT13, SL09a, ten95, OS95, FS13]. **Fixed** [AIL05, HV04, KS94, KM05, Vau00, Ver96, SS95]. **Fixed-Point** [Ver96]. **Fixing** [HY08]. **Flames** [HC95, SAY03]. **Flat** [FP07, QZZ14]. **Flexible** [CGL⁺12, CGL⁺13, GGPV10, HZ10, Not00a, SBK13, SV01, WO98, Saa93]. **Floating** [And99, CWC08, DH03, Drm97, ROO08a, ROO08b, ZYZ05, ZH09, Hig93]. **Floating-Point** [And99, ROO08a, ROO08b, ZYZ05, ZH09]. **Flow** [AABM13, AL07, AHR12, AKM14b, BM11, BHN10, BD04, BL08a, BNG08, BCT05, BSW13, Ber98a, BIK02, BSA13, BMV13, CL97, CP13, CDB3, Cor98, EAS08, EMSW12, EdDP09, Fai03, FL02, FHR14, FK97, GYZ11, GHTW00, Gy09, GGS08, GM11, GP96, Har08, Hei96, HK03, HR90b, HB97, HC98, HR90c, Hn95, Hm96, JMN01, JKKM01, JVG12, JWH08, KGGS10, KP10, KM98, KVMD01, KWW13, Kup01, LWV00, LHL12, LE10, Lay96, LL97, LLJ98, LH00, LZ04, MAB007, MHR05, MRT00, MS06a, MSW09, MM07, NH12, OSCE00, PMS14, Rav02, Rav05, SS10a, Sla02, Sma01, Sta00, SF99, SO09, TY00, TP09, VV09, VS03, WL06, WZET13, Xn04, WX05, YS07, ZHS10, SS93c]. **Flow-Control** [Ber98a]. **Flows** [AE08, ABB⁺04, BB13, BST08, BBK97, BPS13b, BPS13a, BG05b, BB08b, BD99b, BC09b, CFFG11, Cha07, CL03, CC12a, CD01, CBS00, CHH10, DD00, DOR98, EAS11, GJP⁺14, GGZ02, HM98, HR90a, HPS06, IR98, KE98, Lec14, LD05, MCT⁺05, Man05, MM14, MRT99, NCH99, OW00, RSKH11, Ros06b, SAA99, SL09a, SY10a, Ste11, VN03, WLE⁺00, YC14, ZCZ04, BY93, LL94, TR93, Tsy97]. **Fluctuation** [BLH02]. **Fluid** [ACF09, BQ008, BC10, CFFG11, CHH10, Cor98, CDF011, DY06, DP10, ES00, EF05, FGS14, FHR14, HS07, IR98, KV05, LQR12, Lee14, LF08, LL08, LK08, MRT00, MEF09, NV08, PSS12, PWV11, QS14, RR98, RW13, SCM10, SNB08, SFA99, WLE⁺00, WL06, Zm14, vBD05]. **Fluid-Fluid** [FGS14]. **Fluid-Membrane** [RR98]. **Fluid-Solid** [PRS12].
Fluid-Structure 
[ACF09, BQQ08, BC10, CDFQ11, KV05, LQR12, NV08, PVV11, RW13].

Fluid-Structure-Interaction [vBdB05].

Fluids [DD00, Del14, In99, KW07, KP10, Le 01, LXS+08, SY14]. Flux 
[ACCP13, BLMR02, BHN10, EZ11, FEM08, FM07, KQW04, PDH09, WL97, YHS07].

Flux-Based [FM07]. Flux-Continuous [FEM08].

Flux-Free [PDH09].

Flux-Vector [KQW04]. Fluxes [DK98, Mar94].

Fly [TY11].

FMM [ABC+14].

Fock [KKF11].

Focus [Gro02].

Fokker [DKO12, KP10, Kus00, LM05b, SY14].

Fold [ROO08b].

Following [FK00a, PHJ11, Wal99].

FOM [Meu11].

Force [BM11, TP09].

Forces [BZ10].

Forchheimer [ACL09].

forcing [EW96].

Forest [BWG11, WP98].

Form [AKA13a, AP04, BLO7a, BF14, CZ10, CJ05b, DMM14b, HK099, KHE07, OR02, PTvR+14, ST11, Lan93].

Format [BG14, DKO12, HRS12, KKF11, KMSM14, KHW+14, OD12].

Forms [KM05, RF10, RS02, BGP94].

Formula [BCM003, HT14b, PDA09, Ush01].

Formulas [Ske00, WTG12].

Formulation [BMM08, BH11, BPS13b, BL14, Boj95, BIK02, BLM03, BRBT12, CW07, CRMC12, CCM08, De14, EPS09, GP99, Giv12, HMCM04, JSZ13, KL06, KL10, Kup01, LM08, LLL08, NV08, Pat97, PEC+14, QZ14, RG09, RH09, WZET13, dVM08, FCR93, LSM93, Nat97, PM95].

Formulations [AMM+11, AKM+14a, BB13, BHG14, DH01, GRL10, GKC13, GR04, HV07, LWCL03, MG11, PS11a].

Forward [CH09b, MO10, MT06, VP10, ZS14, ZF14].

Forward-Backward [MO10, MT06].

FOSS [FMM98].

Four [MM14].

Fourier [BLS09, CRMC12, EMT99, GHR13, AD96, ACD+08a, BS94, BBBV13, BR95, BVV08, BIA05, BS06b, CDY07a, CD13, DR93b, EBR00, EB96, FO08, FMB13, Gar00, GGL09, Goe97, GHR12, HG95, HHvR03, HKM97, Huc08, Inv02, KV12a, KM12, Lyo11, NP06, NL99, NNH09, OW02, Pek12, PP13, RGOY10, RO12, Sch96, WOW00, WO01, WM05, Yin09, ZF09].

Fourier-Based [CD13].

Fourier-Cosine [FO08].

Fourth [AP12, BS05c, BGN07, BT97, GB06b, Hen05a, KT05, KR11, LPR02, PL03, RWX07, ZJC12, ZF14, ZsSP14, She94, She95].

Fourth-Order [AP12, BS05c, BT97, GB06b, Hen05a, KT05, LPR02, PL03, RWX07, ZJC12, ZF14, ZsSP14, She94, She95].

FQM [VG01].

Fractional [BCF13, BHK12, CRMC12, HP14, HLW00, LHL12, Li10, Nik13, PKNS14, WB12, YTL11, ZK14a, ZK14b, ZCZK14, ZLIT13, ZsSP14].

Fractional-in-Space [BHK12].

Fractional-Step [BCF13].

Fracture [BPS13a, BPS13b, EdDP09, HTW+12, HGPM14, MM07].

Fractures [MJR05].

Frame [LFJS14].

Framelets [CCS08].

Framework [ACD+08a, ACD+08b, Ban08a, BTGMS13, yCWHJ12, DO11, DSZ12, FCF14, IA14, KR00, Kye12, Lee12, OS14, Pek12, PMSG14, San10, TC12, WL13].

Fréchet [AMHR13, HR14, LKvBW10].

Free [AS06, BGM13, BT08, Bog14, Bur97, CFSZ08, yCWHJ12, FK00a, Gy02, HKF+13, HV01, HY10, KV13, KGT07, LP08, LT09, MS06a, MT99, PDH09, PTvR+14, RK07, Sch02, Str94, TY00, WL01, WWY90, XZ10, vVKA11, vZvBd10a, vZvBd10b, ACW12, Fre93, TR93].

Free-Boundary [vZvBd10a, vZvBd10b].

Free-Form [PTvR+14].

Free-Space [Bur97, Str94].

Free-Surface [MT99].

Frequency [SV11].

frequencies [WM93].

Frequency [AIL05, BS95, DT95, Den97a, HV07, IJ08, KM099, KK02b, LAG14, RBH06, Zim14, vLH14].

Frequency-Adaptive [IJO8].

Frequency-Domain [vLH14].

Friction
[HWMW07, HSW08]. Frictional
[CHHO1, HSWW08, Kgr09]. Fringe
[NNH99]. Fromm [DT00].

Front [Aru12, BLGL11, BCS11, CL97, Dk00, GT98, GBCT10, GGL+98, GST+99, GM13, HC95, HY08, Hwa07, LS95]. Front-Fixing
[HY08]. Front-Tracking
[GT98, GBCT10].

Frontier [vdBF08]. Fronts
[DBC13]. FSAI
[JFG10, JF11, JFG13]. FSAI-ILU
[JFG10].

Fuel
[BK00].

Full
[CGK+98, CGG+14, EZ11, FEM08, MBVO13, PBC05, RGOY10]. Full-Tensor
[FEM08].

Fully
[AH06, AHH12, BLR14, BW01, CF00, FCC10, GVMM14, LVWW03, TKCC13, YCC10, YC14, Lam97]. Function

[AP14, AP01, ADH99, AM05, BLB00, Bur97, DFQ14, FM12, FT03, Gar97, GS12, GST09, GST12, GD07, Hei13, HR14, JK07, JK10, KV96, KM05, KK09, KL13b, KHRvBW14, Kup01, MR94, OGO13, RT11, RM08a, SQ002, Wen08, Wen10, WRS08, XEG06, XKvW08, ten95, Car93, OS95, PM95]. Function-Related
[FT03]. Functional-Dierential
[ZKV99].

Functions
[AL07, GRPG01, Hof04, MNP07, OB05, SCDM+10, SBND11].

Fundamental
[AA13, SK05]. Further
[CLMM00b, GG95, LZ99a]. Future
[EMT99].

G [CGQ10]. G-NI [CGQ10]. GaAs
[CCM05]. GaAs-Based
[CCM05].

Galerkin
[PP08a, SBND11, AGH13, BB13, BK00a, BT97, Bee93, BCS11, BDK12, BMV11, BG13, BG04, Cas02, CNP12, CKQ14, CN99, CVK13, CHH10, CDG+99, CG11, CRV13, CKR07, DHHJW08, DAE02, DHE13, EAS08, EAS11, EPS09, FS14, FF05, FHL13, GKI1a, Gas13, GH007, GL08, GLL+14, GGGK04b, HH10, HS05b, HH02, HHV03, HS0a, HS99c, HXB11, HXB13, Kan03b, KS11, Kim05, Kim08, KL13a, KF14, KL13b, KO07, KO13, LS99, LV13, LS12b, LY14, Log03a, Log03b, LMMW04, MN07, MKRK13, Mu97, ORST12, OLMW08, PP08b, Pet05, PoH09, QS05a, QS05b, QS08b, RMC12, RG09, RSA05, ST08, S94, S95, S97, She97, She99, SS10b, Smi97, Str00a, SL09b, TVV11, Ul10, UEE12, War13, Win10, Xu04, XS08, XOMN10, Yan14, ZCL+11, vSRV11].

Galerkin-Characteristic
[EAS08, EAS11].

Galerkin-Projected
[SBND11]. Games
[AHJS01].

Gaussian
[AM04, ACW12, Bar12b, BGR10, BTGH12, CS14, DN97, FM12, FLF11, Fra98, GS14, LLHF13, LD04, MC05, PF12, PM03, PRM09, Rag95, Ros06a, Tan93, WTS94, Wri93, YR98, Zim13].

Gas-Kinetic
[LX11, Xu99].

Gaseous
[VN03].

Gauss
[BHST08, Chr09, GH13].

Gegenbauer
[GJ05, Jac03, Kei09].

Gauss-Trapezoidal
[Alp99].

Gaussian
[AM04, ACW12, Bar12b, BGR10, BTGH12, CS14, DN97, FM12, FLF11, Fra98, GS14, LLHF13, LD04, MC05, PF12, PM03, PRM09, Rag95, Ros06a, Tan93, WTS94, Wri93, YR98, Zim13].

Gaussian-type
[MC05, Tan93].

GCR0T
[HZ10].

Grossener
[GJ05, Jac03, Kei09].

Gel [WGF08]. Gelation
[EW00]. General
[ABK11, AH09, ADK+98, BK06, BCR99, Bör97, CS99, CG95, CGG07, CCA03, CS10c, DO11, FL08, HR96, HV01, Hum95, KL94, KKS13, KHE07, KHH+14, LCD14, LSC03, wLxY00, OST11, PDA09, Q2Z14, RK07, Saa96, S209, SS99, TGS08, Vas10, Wat04, WZSL12, Xia13, XZB11, ZV05, WTS94].
General-Form [KHE07]. Generalised [Kas95]. Generalized [BS05d, BLS09, Bet08, BCH12, BGR10, CC09, CC12b, CBN02, yCWHJ12, DB08, DF10, EHL05, FCF14, FCC10, GH13, GK00, GN14, GR02, GY02, Hüs94, HLW13, IT09a, LV98, LCN14, Lee14, LL98b, LK04, Nas09, NV08, NvdP00, SS98, SVG10b, SQO02, TLN14, WK06, XKWY08, YR98, Zha97, ZLG98, BD93, BZ93].

Generalized-Laguerre [BLS09]. Generalizing [ET01]. Generated [ADGM98, HGPM14, KKT13, Mau95]. Generating [CV93, GKL08, LST07, NSJ03, FS96].

Generation [AKM+13, BW09, CHR99, CWL+14, DF10, GVP06, HW14b, HB04, Knu96, KR00, LC08, Mac98, OLW08, SP03, de 99].


Geodesic [MK08]. Geolocation [RMD08].

Geometric [AC04, AC05, BGN07, BGN08, BB05, BKS13, CHR02, CGG+14, GMT98, K12a, KS07, MTTV98, SB10, WL11, WE06].

Geometrical [Du11, JW05, QL06]. Geometrically [AL99a]. Geometries [AA00, BBKK97, CCA03, For95, HBL05, IP06, She99, Smi97, SAE10, TK13, ABCM97, She97].

Geometry [AHT12, ADK+98, PNP13, TW03, WWM03]. Geophysical [FHR14]. Geophysics [CGL+12]. Geostatistical [Hri03, Hri05].

Geostrophic [CLP08]. Ghost [LXK08, WLC06]. Gibbs [FP14, Hri03, Hri05]. Gilbert [BBP13].

Ginzburg [DJT08, Mu97, MDC98, NR98]. Given [SSDN12]. Global [BBKK97, BTGMS13, CP04, CV94, CGDD11, FL08, GJP+14, GAMV13, GJM94, KH14, KL13a, KW10a, Kul12, LV07, MS07d, PRM09, RW97, TGS08].

Globalized [vWBV09]. Globally [BK08, BM01a, PBP14, TBKF14, XK08].

Glued [DPV05]. GMBACK [Kas95]. GMRES [ADGP07, BCGR98, BJD05, BM01a, CGL+12, CGL+13, De 12a, DP03, FG98, GAMV13, GGL07, GGVP10, GT94, Jou94, KK96, LS05b, Mnu11, Mor02, PP08b, Snu93, VL10, WOW00, WWJ12, RF07].

GMRES-Based [Jou94]. GMRES/CR [GT94]. Goal [CPB13, LW12b, LW14, PDTVM08, RL13, vdZvBdB10a, vdZvBdB10b].

Goal-Oriented [CPB13, LW12b, LW14, PDTVM08, RL13, vdZvBdB10a, vdZvBdB10b]. Godunov [DW97a, NMAB11, Pen93, ZMC94].

Godunov-Type [DW97a]. Good [HW14b, ST97, Ten98, Wan07b]. Gordon [BDZ13, Zhe07]. Governed [LN05, SS95].

GPBi [Zha97]. GPBi-CG [Zha97]. GPS [CP03b]. GPU [GHS+09, HEGH14, LGH+13, RHSK11, VTD12].

GPU-Accelerated [VTD12]. GPU-Based [GHS+09]. GPUs [DCP11]. Graded [BKS13, CWL+14, LC08, SSW12].

Gradient [ABF96, BD04, BL08a, BMT96, BCT00, BCL99, CM98a, CM98b, CDH98, DK10, DEC05, Don06, Fie98, GS12, YG99, GRMS09, GH99, HR99c, JvGVS13, Knu01, KS13, Kup00, Kus00, NZZ06, SYEG00, SCM10, SM94, SO97, TBO10, WS07, ZN05, ZZWZ14, Zim13, ten95, Car93, NP96].

Gradient-Enhanced [Zim13]. Gradient-Particle [Kus00].

Gradient-Weighted [CM98a, CM98b, Kub00]. Gradients [CJ99, GRPG01, NR98, Not00a, P12, RN95].


Graining [AKPRB08]. Gram [GL03, Ste08]. Gramian [BB08a].

Gramian-Based [BB08a]. Grandchild [DT95]. granularities [BME93, BEM94].

GRAPE [NKTY08]. Graph
\[\text{Graph-based} \, [\text{FFS07}]. \, \text{Graphic} \, [\text{WHCX13}]. \, \text{Graphics} \, [\text{KMSM14}]. \, \text{Graphs} \, [\text{Ash95, CS11, KK98, KP+12, KPP+14, KV13, OW14}]. \, \text{Grassmann} \, [\text{DS96}]. \, \text{Grassmannians} \, [\text{SL10}]. \, \text{Gravitational} \, [\text{LXL11}]. \, \text{Gravity} \, [\text{LRP07, Pet93}]. \, \text{Greedy} \, [\text{MS07b, MS07a, MS13}]. \, \text{Greeks} \, [\text{KKS08}]. \, \text{Green} \, [\text{Bur97, EHL05}]. \, \text{Greengard} \, [\text{Alu96}]. \, \text{Grid} \, [\text{BACF08, Ber95a, BvW09, CJ05a, DF10, FL97, Fer98, GV13, GKT09, GR05b, HKF+13, HBL05, HS94, ILK05, Jam98, Knu96, KR00, LMPQ03, LJJL98, MS07a, MK08, NNRW09, Pet99a, Pup99, SP03, SY10b, SY12, TT06, WL11, WHCX13, WO01, XBC96, Xu94, Yav98, ABCM97, Atk94, TV93, VBT99, CP13, NJ14, SAB14, ZTRK14, ZNX14}]. \, \text{Grid-Based} \, [\text{HKF+13}]. \, \text{Grid-Free} \, [\text{HKF+13}]. \, \text{Grid-Multipole} \, [\text{Ber95a}]. \, \text{Grids} \, [\text{ABBM98a, ABBM98b, ADR14, AD06, BGOD08, BH12, Bi99, BL05, BKS98, CH94, CKV99, DFQ14, DMBB10, EZ11, FS14, FEM08, Gär09, GGL09, GOV06, Hen05b, Hen06, HH11, KH00, KP12b, LE10, LO14, LDM00, Mac98, MV09, Mant95, NX12, Pet99b, RT01, RW01, RSHK11, SJR09, TW05, TC12, Wan01, WM11, WK03, WPG13, Wu99, Yam02, YYY11, ZF09, Zie12, bZOW07, BZ96, Pet93}]. \, \text{Gross} \, [\text{DK10}]. \, \text{Ground} \, [\text{BD04, BL08a}]. \, \text{Groundwater} \, [\text{JKKMo1}]. \, \text{Group} \, [\text{KV12a, MW08a}]. \, \text{Groups} \, [\text{Mit08}]. \, \text{Growing} \, [\text{FV06, FFSS13}]. \, \text{Growth} \, [\text{BHV05, Bol03, BCG+10, CS94, KLT06, KW10b}]. \, \text{Guaranteed} \, [\text{CC06, CC11, LC05a, LC08, NN12, Wal13}]. \, \text{Guaranteed-Quality} \, [\text{Wal13}]. \, \text{Guidance} \, [\text{Lee09}]. \, \text{Guided} \, [\text{Fl13}]. \, \text{Guides} \, [\text{CC12b}]. \]
SM07, Tre93, VD10. **Hessian**
[BBR08, BTGH12, FWA+11, HM10a, KH14, LMSS97, Mön08, PABG11, W MUZ13].

**Hessian-Based** [BTGH12, KH14].

**Hessian-vector** [LMSS97, BBR08].

**Hessian-Based** [BTGH12, KH14].

**Heteroclinic** [LMR97].

**Heterogeneous** [BLS14, BGS09, CSS10, CDB13, CK07, EO V05, HMN+13, KK02b, LZ04, PELY13].

**Heston** [iW11].

**Heteroclinic** [LMR97].

**Heterogeneous** [BLS14, BGS09, CSS10, CDB13, CK07, EOV05, HMN+13, KK02b, LZ04, PELY13].

**Heuristic** [HR96, MZW09, JP93].

**Heteroclinic** [LMR97].

**Heterogeneous** [BLS14, BGS09, CSS10, CDB13, CK07, EOV05, HMN+13, KK02b, LZ04, PELY13].

**Heuristic** [HR96, MZW09, JP93].

**Hochschule** [LMSS97, BBR08].

**Heuristic** [HR96, MZW09, JP93].

**Hexagonal** [WL11, ZF09].

**Hexahedral** [RW01, SJR09].

**Heyman** [DS96].

**Hidden** [TB02].

**Hierarchically** [WLX+13].

**Hierarchical** [AA00].

**Hierarchical** [WLX+13].

**High** [ACVZ12, Abg09, ADR14, Ain14, AHT12, ADGM98, ANP00, BT06, BAF00, BM08, BM05, BPR99, BLR14, BTT13, BP06, BTWG08, CL1, CSS93b, CMO00, CSS03, CLAT10, CMO10, CK94, DW97a, DW98, DHHR09, DKR12, Dor10, DMD+12, DKM14b, EIL+09, FHFR13, For06, FM07, GH07, GM14a, Gob08, GH14, GM04, GN07, HHT03, HLD12, HJ07, HBL05, HRT13, Hen06, HV07, Jam08, JK07, JK11, JWI3, JZ00, KP09a, KK05, KLP13, KV05, KK02b, KS14, Kup98, LdmV12, LQ01, LAG14, LS95, LFB13, LOL13, LP06, LG09, LT00, LSZ11, LSH93, LNA+11, MC10, MRS14, MDC08, NHSS13, NX12, NJ14, NH12, NS06, NKM10, Ols07, PT99, PL06, PDA09, PSDF12, PPB13, PJ96, QS08b, RKL07, RW07, RMB00, RMC12, Ros05a, Ros6b, SLvdG14, SY10b, SY12].

**High-Accuracy**
[Dor10, JZ00, ZLJ96, Ziu00].

**High-Dimensional**
[BTWG08, GH14, HJ07, JK07, NJ14, RW07, SY10b, SY12, Sma04, WS05, bZOW07].

**High-Fidelity** [NKM10].

**High-Frequency** [KK02b].

**High-Level** [FHFR13].

**High-Order** [BR08, AHT12, ADGM98, BT06, BPR99, BLR14, BTT13, CMM00, CMO10, DW97a, DW98, DKR12, DKM14b, GH07, GM14a, GN07, HHT03, HRT13, Hen06, KP09a, KL05, KLP13, LQ01, LL00, MC10, NS06, Ols07, PDA09, P96, RKL07, RMC12, Ros05a, SC98, Str99, SJ14, TM14, VB07, WMC12, WS99, XH05, ZS03, ZFZ14, CSS93b, LSH93].

**Higher** [AABM13, AL97, BCR11, BM11, CG07, DS14, DS97, ILK05, Kye12, LE10, Lin06, LD04, Pen93, PRM97, RRR05, VVM12, WGT14, YS07, dV08, ZMC94].

**Higher-Dimensional** [LD04].

**Higher-Index** [AL97, PRM97].

**Higher-Order** [AABM13, BCR11, ILK05, Kye12, VVM12, YS07, dV08, Pen93, ZMC94].

**Highly** [BMP14, BHT00, CSS09, GH99, HA01, HW14a, HNM+13, Ket08, KR12, Sch98, Vl14, YP08].

**Hilbert** [ZK14c, AE95, TY08].

**Hilliard** [KW07].

**HITS** [FLM+05].

**HLLC** [BCLC97, Gur04].

**HLLC-Type** [Gur04].

**Hodge** [GH13].

**Hodgkin** [BN13].

**Hole** [P99b].

**Hole-Cutting** [P99b].

**Holonomic** [KM11].

**Homoclinic** [LMR97, LCH99].

**Homogeneous** [YZ07, YZ08].

**Homogenization** [Kna98].

**Homology** [PSKG13].

**Homotopy** [LZ99a, Oet99, ZLG98, LL93].

**Hopf** [EWS12, GM96, MCJN94, WAS94].

**Hopfield** [Wan07a].

**Householder** [DHHR09].

**HPC [AKK14, GKK10].

**Huber** [HW99].

**Hughes** [GM13].

**Hull**
[AP01, Gre03]. Human [WiOH08]. Hunter [XS08]. Huxley [BN13]. Huxley-like [BN13]. Hybrid [Alp99, BB13, BC10, BC06, BCSS14, CP13, CLL13, CGDD11, DW98, DP10, FS12, GH07, GKK10, HE04, JWH08, JP14, Kar96, KK02a, KSB11, Kof04, LW12a, MRT00, RT10, TTS08, VTD12, WKKP13, ZH09, FS13]. Hybridizable [CDG09]. Hydraulic [SBK13]. Hydro [LXK08]. Hydro-Elasto-Plastic [LXK08]. Hydrodynamic [HNS08, LXL11, OB08]. Hydrodynamical [ANP00, BI09]. Hydrodynamics [DW97b, DKR12]. Hydrostatic [ABB04, BSA13]. Hyperbolic [AH09, AD06, AGL00, BHI13, BBSW94, BPR99, Bto09, BR09, BPR13, Bur14, CPPR12, CCER12, CLL13, CK94, DM13a, DMM04, DH95, DRFNP07, DB07, FS05, GB12, GS00, GW00, HH02, HL09, Hol09, HS01a, IT09a, JW05, KPL13, KN01, KPP07, LPR02, LMMW04, Mar94, Nor07, RSW10, RSA05, SL11, Ser06, SMR01, SJD14, TW12, Tor12, TW95, Van95, Vll09, WC03, dLRT09, Pen93]. Hyperbolic-Elliptic [CCER12]. Hyperbolic-Parabolic [AH09]. Hyperbolic-Type [GW00]. Hyperbolization [TM14]. Hypercube [BME93, BEM94, CG93]. Hyperelastic [BM13]. Hypergraph [AKA13b, ÇAK11, GBDD10]. Hypergraph-Based [GBDD10]. Hypergraphs [KPÇ12]. Hypernetworked [BPB07]. Hypersingular [Car07, CP07, GKK04b, HS99b, ST98]. Hyperspheres [TGC94]. Hypersurfaces [PP97]. Hypre [KALO07].

I/O [AGL10]. I/R [MIS03]. IC [BT00b]. Ice [BSA13, PMSG14]. Icosahedral [WL11]. Icosahedral-Hexagonal [WL11]. Ideal [DW97a, Gur04, HRT13, YHS07, ZMC94]. Identification [AHDK14, BCI12, CT03, KGM+08, KGM+11, KZ00, PSDF12]. Identifying [EMS12]. IDR [SS10b, SvG08, Son12]. IEEE [MRV06]. IEEE-754 [MRV06]. Ignition [BK00b]. II [ABB08, AHT12, ADH99, ACD+08b, BT06, BG05b, BM10b, Bur14, CM98b, CW14, DB94, DF99, FGMP14b, GS02a, GHR13, GM96, Hes97, KPGS10, LP08, Log03b, MMMY96, Nat97, Pen93, PMSG14, RO00b, She95, SY12, SM07, VW98, YZ08, ZLBC03]. II. [CPV95]. III [ABH03, GS02b, Hes98, She97]. III [BS07, Bur13, Bur14, CCS98, HR96, K099, Lan10, NM13, PS01, Reg96, RS02, SBC93, VW94, Di95, HO93]. III-Conditioned [BS07, CCS98, PS01, Di95]. Ill-conditioning [SBC93]. Ill-Pose [Bur13, Bur14, KO99, Lan10, Reg96, RS02, VW94, HR96, HO93]. IIIU [BO03, CPV95, CMV97, HS96c, INS05, JFG10, MW13, Saa96, SZ99, Saa03, Saa05]. IIIU-M [Saa96]. IIUs [BS05f, ILUTP]. Image [Ami94, BV03, Bar12a, BDE08, BM13, BNS13, CMM99, CMM00, CS03, CC11, CJK10, CMS06, DEC05, DGP10, DMM08, FNN05, FNB06, GY05, GMS02, GLN09, HO05, HMM07, HMM08, HW01, HW03, Hen05a, HLMR96, HS06d, HDB08, KY03, LFB13, LRT11, NWY10, NWY11, NP14, NN05, NNT13, WBFA09, WNC08, ZW+13]. Image-to-mesh [CC11]. Images [CCS98, CC10, GHS+09, HLZ13, Mit08, NO98, YZ09, Gu93]. Imaging [AILP07, AKLP10, CJN13, FHR14, MSL13, XK08, dSK11]. Imbedding [PV94, PV95]. IMEX [BR09, BMV13]. IMF [VM13]. Immersed [AL02, AC04, AC05, DK03, FGMP13, FGMP14b, FK00b, FY06, Gir12, JPO1, KP06a, K101, KHL12, LL07, LL03a, LP04, TLLK09, TP09, VP10, XV05, FGMP14a]. Impact [SCS04]. Impedance [BCH12, KH00, vdDA12]. imperfect [LP06].
Implementation [ABH03, AH06, AW11, BMP14, BF97b, BBC+01, BG12, BB02, CVW06, Drm07, DG99, FN94, GNT98, HS05b, HWD02, HMR09, HC98, KR06, LZ99a, LT14, MCT+05, MLL13, Mcl07, SCM10, ST00, VW98, WL13, ZK96, FGN93, Göt94, Heg95, Log93b, Smi93].

Implementations [Ket08]. Implementing [LST07, LZ99b]. Implicit [ALJ99, AAII98, AHH06, ACF09, BF06, BPR13, BW01, BHK12, CB98, CCM08, CCG14b, CS10b, CMSS06, DW98, DMD+12, DB07, Ena97, EF05, GRL10, GKC13, HC05, HMR09, JR96, JR98, LL02, LM05b, MR09, MNS07, MO10, NNRW09, NKM10, OS98, PP05, RMC12, RG09, Sem10, Ske00, TKCC13, VV05, VD10, VS04, YCC10, YC14, ZS02, dLRT09, BCT05, KS13, Lam97, Lie93, TV93, vd97].

Implicit-Explicit [AAII98, BPR13, CS10b, DW98, GKC13, VS04]. Implicit/Explicit [DMD+12]. Implicitly [BCR03, BR05a, JN10, LVWW03, SSW98].

Importance [EBSS+11, Kol99, ZWH+14]. Imposed [Vil09]. Improve [DJ07].

Improved [ACdS+11, AMH12, AL07, BGH+03, DDF00, HL95, HR98b, JSPC97, Joe95, Lee10b, LP04, Nik00, PQQ04, ZF14].

Improved-Quality [Joe95]. Improvement [BDE08]. Improvements [BMR10, Cho01]. Improving [BDJ05, CZ13, GSS00, GG10, HR98a, KV13, MS06b, RF07, vSRV11].

Impulse [CC08, Cor98]. Impulsive [ZY99]. Inaccuracies [CSS09].

Inaccurate [Kos09]. Including [CAB04, JSV10, LM12, MN11]. Inclusions [AIL05, AILP07]. Incomplete [BS99a, BSvD99, BMMM08, GST12, GG10, LM99, MOKS12, MG07, Man95, Meun01, MM95, MM98, MNN00, PSLG14, R10, ST14a, ST14b, VM13, WGB07, WZSL12].

Incompressible [AMMR10, AMM+10, ABM+13, AABM13, BB13, BSSW13, BL07a, BW11, CC12a, CHH10, CST+13, DD00, DLTZ05, EAS11, EMSW12, Fai03, FF05, GHTW00, GHST98, GKS08, HB97, JK00, KGG10, Kup01, LW12a, Lay96, LL03a, Lui01, MS06a, OSCE00, PWZ10, PT01, SY10a, SPT00, SF99, SO99, TLN14, TLLK09, ZHS10, ABS96, ABCM97, SS93c].

Incorporate [LP03]. Incorporates [Bo03]. Incorporating [IP06, McG95]. Increasing [MKRR13, vSRV11]. Incremental [KGM+08]. Indefinite [BHT00, CKY98, CPS11, EPV94, GW98, GG03, HS06a, HCT04, MGG00, NV98, PV95, SIS96, ST98, VK13, dSL05].

Independence [FK00a]. Independent [BBC07, BVW03, DP10, HTB+05, JK12, MR07]. Index [ABST13, AL97, BBC07, CPS11, EPV94, GW00, MB00, MB12, MS93a, MWW13, PR97, RMB00, Sch05, TBK14, Lam97, MT97a].

Index-Aware [ABST13]. Indexing [BG12, ZS99]. Indicator [Ber98b, Pic03]. Indicators [QS05a]. Indirect [CRG14].

Induce [SvG10a]. Induced [CC98, Kla98a, KW13, LR07, LP08]. Inductance [MS07c]. Induction [HS99a].

Inequalities [BW96]. Inequality [BL07b, KB08, KP12a, Lee13b, wLx00]. Inertia [CP95, LR07, SWW08].

Inertia-Gravity [LR07]. Inertia-Revealing [SWW08]. Inertial [WS95, RST93]. Inexact [BN05, BVW03, CK02, CL11, CSW10, EV13, FSDV98a, GY99, GRM09, GHK14, KW00, KHRvBW14, LOS07, NVY11, SBM07, SS03, SVM1, YDF97, Car93, EW96].

Inextensible [LHL12]. Inf [HS06d]. Inf-Convolution-Type [HS06d].

Infeasible [HS06d]. Inference [DKM14a, LW12b, LW14, Rei13].

Inferences [GR04]. Infinite [APSG14, Bla98, BTGMS13, Coa12, GM98, NHSS13, PMSG14, SD11].

Infinite-Dimensional
Infinitely [IK10]. Influence [BCCI98, EHL05]. Information [DG08, EBSS+11, GRT05, KKP14, KdS05, Car93]. Inherent [KW10a]. Inhomogeneous [ABBM98a, ABBM98b, FDS13, ZCZ04, ZB12]. Initial [BHP98, CGAD95, Cas05, CV94, DKO12, FS02, For6, GI3, IM97, LV07, LK98, Pat97, Rán93, Sar97]. Initial-Boundary [FS02, For06]. Initial-Value [GG13]. Initialization [FLM+05, GB98]. injection [SS95]. Inner [GGGL10, GY99, Saa93]. Inner-Outer [GGGL10, GY99, Saa93]. Innovations [Kea97]. Input [AA14, BTWG08]. Inputs [XH05]. Insertion [CC12b]. Instabilities [CSS09, MIS03]. Instability [LP04, Mat95]. instructions [Goe97]. Insulators [ACdS+11]. Integral [AL99a, ATV07, AC95, ACD+08a, ACD+08b, BHK14, BV98, BIYS00, BS06a, CDY07a, CP03a, CP05, CP07, CCA03, CGMV05, DO11, DD13, GPK04, GY99, HS05b, Hyl11, HSZ12, HS99b, HW09, HV07, JVG12, KX96, KL13a, LS99, LL11, MG11, NKW94, Nas09, NAS13, Nít99, PRM09, RAH00, RU01, Rost06a, ST98, TW03, VPP05, XE06, XZB11, YCZ13, YR98, ZB12, IW11, ABCR93, Atk94]. Integral-Equation [MG11]. Integrals [BT13, BD99a, Car07, EJJ08, GGK04b, Inv02, ISS06, KKS13, LS12h, Li10, PDA09, Wen08, Wen10, Yun03, YK03]. Integrated [IT14]. Integration [BCR99, BLO7b, BV09, CSS09, CKN06, DEP11, Ell06, FFK+14, GV07a, GM98, GS02a, HS97, JSPC97, KP12a, LS12a, LL03b, LD04, Man05, McL95, Mic01, Mis01, PBP14, Pat97, PP12b, Sk00, WSZ14, Yun03, ZS14, AGC96, Rán93]. Integrator [BDZ13, BLR99, Cas05, GG13, KL00b]. Integrators [AMH11, BB05, BCSS14, COR13, CMO10, DMD+12, HLS98, Jah04, MW08a, MMVV13, SZZ97, CSS93a, LMSSS97]. Integro [SE11, ZV05]. Integro-Differential [SE11, ZV05]. Integrodifferential [MSW05, Win10]. Interact [Men94]. Interacting [KKP14]. Interaction [ACF09, BQQ08, BC10, CDFQ11, FGS14, FKTW10, Gu93, HDB08, KV05, LQR12, NV08, PVV11, RR98, RW13, vBdB05]. Interactions [AKPRB08, DW97a, GGM01]. Interconnecting [LOS07]. Interest [GV07b, LQX14, MNvST13]. Interface [AL02, AC04, AC05, BP13a, BFSN08, CFGM11, DQQ13, DK03, FK00b, GGLT00, GZ02, HCRT13, HBSC97, JW05, JLY08, KMW99, LHL12, LL97, LL03a, Li01, LWCL03, LD05, Mnt99, NKM10, QS14, QSV06, SF99, TLLK09, Wan04, WCHZ14, XW05, ZD09, ZF14]. Interface-Preserving [SF99]. Interface-Strip [QSV06]. Interface-Type [JW05]. Interface/Multigrid [AL02]. Interfaces [CG99, MJR05, MK96]. Interfacial [HM98, SF99]. Interior [ACCO00, BHT09, BB08b, BCL99, CSW10, CFI98, FSH12, GHKS14, Pkh98, PBJ+96, RG07, RN14, TK13, WWY11, dMJHM00]. Interior-Point [ACCO00, CSW10, CFI98, GHKS14, Pkh98, PBJ+96]. Intermediate [Pat97]. Internal [DQO13, Hwa07]. Interpolant [Ber00b]. Interpolants [EM99, FM12]. Interpolating [AF11, Har11, Hol99, KW10a, Por01]. Interpolation [AKM+14b, BLS06, BLO00, BCF+99, Ca95, Cao07, CV07, CS10a, CH94, CW12, DD12, DFQ14, DMBB10, Doh07, DHO12, GLS13, GD07, HV01, KLZ+06, KP07, LR99, LN04, MS07d, MC10, NX12, NX13, OST11, PBB14, PRM09, PB13, SV13, TGC94, VM13, Vas10, Wcso0, WB00, WtG12, WRS08, XZ10, XZ14, ZK12, vHBT12, AE95, Anj93]. Interpolations [RKLM07]. Interpolatory [BBBG11, GSW13]. Interpreting [SS10b]. Intersection [SV08b]. Interval
Intrusive [GLL+14], Invariance [BB05]. Invariant [BP12, BDF08, BDE08, BBK06, Chr09, DDF00, DB94, EL01, EL03, FD03, HKM97, LLD99, LSU11, VP11].

Invariants [CHAMR06, SBS98]. Invariant [BP12, BDF08, BDE08, BBK06, Chr09, DDF00, DB94, EL01, EL03, FD03, HKM97, LLD99, LSU11, VP11].

Invariance [BB05]. Invariant [BP12, BDF08, BDE08, BBK06, Chr09, DDF00, DB94, EL01, EL03, FD03, HKM97, LLD99, LSU11, VP11].

Invariant [BP12, BDF08, BDE08, BBK06, Chr09, DDF00, DB94, EL01, EL03, FD03, HKM97, LLD99, LSU11, VP11].
Knut96, KR00, SBND11].


Jointly [Bar12b]. Jordan [Aru12]. Jump [AM05, CH08a, KL11, Lay06, Toi08, Wan04, 

XW05, dFL05]. Jump-Diffusion [AM05, CH08a, KL11, Toi08]. Jumping [CGM00a].

Justification [Li03]. Kadomtsev [KR11]. Kalman [LM14b].

Kantorovich [DF10]. Karhunen [SA97, SAY03]. Kármán [CC97, CGM00a, DP03].

Kernel [AGI10, BzCS11, CP03a, Che13, CWA14, 

GLS13, MR07, Nas09, RLC08, SRS12, TY08, 

XKYW08]. Kernel-Based [AGI10, BzCS11, GLS13].

Kernel-Independent [MR07]. Kernels [BV98, EY07, GR02, LCD14, PS01, 

WMSG09, DR93a, Goe97]. Kind [CP03a, 

CP05, NKLW94, ZCP06, ABCR93, Atk94].

Kinds [ZFZ14]. Kinematic [BMV13, PDC99]. Kinetic [DP10, FY14, Jia99, Kla98a, Kla99, 

LS12a, LS13a, LM08, LM12, LXL11, WMC11, Xu99, 

YJ13, YHS07, BPR13]. Kinematical [Dor98].

Kinetical-Consistent [Dor98]. Kinetics [IP06, Ver94]. KL [LZ04]. KL-Based 

[KLZ04]. Klein [BDZ13]. Knots [PS03].

Kogbetliantz [Gö94]. Kohn [LY13, YMW07]. Kou [Toi08]. Krigeing [CDW14a, CDW14b].

Kronecker [BL03b, BD05, FT03, Ull10]. Krylov [BG05a, BG05b, CGK+98, CC12a, MPS09, 

PBC05, Ruh98, AA02, BMN11, BG05a, 

BHP94, CKD13, CCS98, CPS11, CS14, 

DKZ09, DLZ10, DR13, EE001, EN08, EN09, 

GY02, GOS12, GD07, GVM14, HL98, 

JMM0, KR99, KVMK01, LL08, LWZ13, 

LT14, OW00, PS02, PF12, PdSM+06, PT01, 

SBK13, SW01, ST94, SS03, TE07, Tor12, 

TS14, VMM13, Wal99, Wei94, wdVF00].

Kuramoto [APS12]. Kutta [CSS93b, Cas05, VS04, Zbi11, AGC96, 

AGH00, BR09, BPR13, BRW10, CHAMR06, 

CGAD95, EM96, HMR90, Jia98, Ket08, 

MNS07, McL07, MRS14, OS08, PT99, 

PPR05, PKD13, Pat97, QS05a, QS05b, 

RM08b, SS93a, TVA02, TL12, TP99, VV05].

Lack [BCI98]. Lag [PT99]. Lagrange [PBC05, BLS14, BG05a, BG05b, CC12a, 

GLL01, IT09b, KMW99, KW00].

Lagrangian [BR91, AHR12, BMTZ13, BO06, BPR13a, BF14, BCV13, 

CPS1, CPH14, CF07, DKR12, FCR93, FL08, GT06, 

HM10a, LL02, Lay03, LL94, LH00, MAB007, 

NSK10, OB08, Ros05b, RLM+00, WLE+00, 

WZET13, dFL05]. Lagrangian-Based 

[BRW11, BO06]. Lagrangian-Remap 

[BCV13]. Laguerre [BS05c, BLS09, 

DJLZ96, LZ94, LZ9b, Ni00]. LAMG 

[BL12]. Laminar [JNM01]. Laminated 

[Li03]. Lanczos [ARMNW10, ADR95, 

BCR03, BR05a, BF01, CDF13, DKG98, 

rFS12, FGN93, JN10, MS93b, MN11, Ng00, 

RG98, SZ00, Ste02, YC99, vdEH05].

Lanczos-Based [CKD13]. Lanczos-Type 

[RG98]. Land [XK08]. Landau [BBP13, 

DIT08, LM05b, Mu97, MDC98, NR08].

Landweber [BDE08]. Langevin [KM11].

LAPACK [AMT10, DMPV08]. Laplace 

[BS94, Bar14, CK03, Che13, ED95, Nak98, 

OK13, Pe01, WU99, YC13]. Laplacian 

[BI00, GGM01, LB12, XEG06, vGEV07].

Large [AL07, BCR03, BS05a, BST08, 

Bau08a, BS05b, BOR97, BSSW13, BT03c, 

BHT09, BDF08, BTO8, BS99b, BCL99, 

BTW08, BG05, CFR05, CDS05, 

CGK13, CN10, CSV10, CFM98, DS00, 

DD00, DJT08, DLP05, DZK09, EAS08, 

PE05, FWA+11, FbdVF8a, FB95, FGH+08, 

HMS11, HPS08, HLS98, Ho04, JN10, JZ13, 

KV13, Kus97, Lab05, LM00, LG14, LT09, 

LWG10, LZ13b, MBG12, MS04, MW01, 

NNRW09, NvdP00, OKF14, Pen00, RS02, 

RMD08, RM08a, Ruh98, SBR06, SWW08, 

Sim07, SC02, SVG08, Tor12, TS14, WPL+13,
WM05, WT01, Xia13, YPN+01, YGB+05, YMM14, AMB+94, BHP94, Dax93, DLG97, JS93, ST94, TW93]. Large-Eddy [BST08, EAS08]. Large-Particle [SC02]. Large-Scale [BCR03, BS05a, Ban08a, BSSW13, BHT09, BTY08, BCL99, BWG08, BTGH12, CN10, CSW10, FWA+11, FB95, HPS08, LT09, LWG10, MWBG12, OKF14, RS02, RM08a, SBR06, SWW08, Sim07, WM05, WT01, YPN+01, YGB+05, YMM14, BHP94, ST94, TW93]. Latency [GAMV13]. Latent [ZS99]. Lattice [BS08, BYK05, CKN06, DSB99, Del14, FKK+14, HHSW11, HHLL00, JK00, LL03b, SBX+08, WS06, Wan07b, Elt96]. Lattices [SLO13]. Launch [EHW00]. Law [AGH00, CHR02, FMR06, GGK+04a]. Lawrence [DG99]. Laws [AB02, AD06, BLMR02, BBSW94, BPR99, CW13, CUIW14, CUIW, yCWHJ12, CK94, DB07, GR05a, GB12, GMS02, HH02, HBL05, JT98, JSZ13, KL00a, KPN01, KOP07, LPR00, LPR02, LN03, Mar94, NMAB11, PPR05, QS08b, SL11, SMR01, SJ14, TW12, Tor12, TLE12, TW95, YHQ12, dLRT09, BH97, Pem93]. Lax [JSZ13, Kol99, MR01, QS03]. Layer [AK09, AH09, Bar14, BHNPR07, BS06b, CM98c, FV06, Far01, KOP09, LG09, TT96a]. Layered [DG99]. Layers [Gar94, LM12, LS12b, RH06, TW96]. Leading [Che05]. Leaf [KT14]. Lean [LB12]. Learning [BGM09, De12b, GHK14, dBMZ11]. Least [AMMR10, AMM+10, AMM+13, AV14, AMT10, BLH02, BGM13, BT03c, BS99b, BW96, BKMM10, BLM03, BMM14, CLMM00a, CLMM00b, CPV95, Car10, CAS11, DMM004, DMM005, DG98, EHS+07, FM98, FG97, FS11, FNB06, HLM06, HLM+09, HY10, HY14, LMMR00, LFB13, Lee14, LRS02, LD11, NP14, PE00, PP97, QQOP99, Sta00, Str93, TZ14, TBO10, Wat98, You94, ZWZ+13, ZNX14, ten95, BR95, Dax93, NP96]. Least-Squares [AMM+11, AV14, AMT10, BGM13, BKMM10, BLM03, CPV95, DMM004, DMM005, DG98, FS11, HLM06, HLM+09, HY10, HY14, LMMR00, Lee14, Sta00, TZ14, ZNX14]. Legendre [BK00a, BMF12, Bog14, EJ10, HT13a, HT14a, IT14b, IB1, She94, Swa02]. Leja [NJ14]. Lemma [CV94]. Level [BC10, BP13a, BH11, Bre00, CDG03, CGG07, CGL01, CDM+13, Cho99, CJ05b, DS00, FPV94, Fai03, FHFR13, FM07, HHvR03, KKV13, KPK14, KS13, Lan98, MO00, MO10, QL06, RS00, SF99, TKW08, Tu07, WWM03, Wen10, ZC06, Cai93, NCV06]. Level-Set [CDM+13, RS00]. Levinson [Str00a]. Levy [SB13, GDLS14, IT09a, LFBO08, ZK14c]. Liapunov [CCJ07]. Libraries [DARG13]. Library [ZS14]. Lid [TV98]. Lid-Driven [TV11]. Lifshitz [BBP13]. Lifting [SV03]. Lighthill [BCV13]. Lightweight [DNP014a]. Like [BGOD08, DMM05, KOP09, KP11, WG00, WM11, ABCR03, BN13]. Likelihood [ACW12, TV98a, Zim13]. likelihoods [WTS94]. Limit [ACO98, BPR13, DJT08, GKD05, JLY08, KSB11, Kla99, LS12a, LM08, ZD09]. Limit-Cycle [KSB11]. Limitations [RLG98]. Limited [BL03a, BLN95, G009, KS08, LM99, LWZ13, MIS03, SSDN12, Sta07, SM07]. Limiter [AS06, JX13]. Limiter-Free [AS06]. Limiters [MB13, QS05a, QS05b, S06]. Limiting [GB12]. Limits [XS08]. Line [BD99a, HV96, SV08b, HHR93]. Line-Relaxation [HV96]. Line-Surface [SV08b]. Linear [ARMNW10, AB08a, AP15, ABST13, AHT12, AF11, ABCP08, ACD95, AKM+13, BGYL05, BS95, BDJ05, BCC98, BDdSM11, BL04b, BM95a, BT98, BM11b, BHK14, BW96, Bre99, BC99, BCCM03, BMM14,
BC08, BC09b, BK11, BEPW98, CS99, CLMM00a, CLMM00b, CGL+13, CB98, CGG07, CJH11, CNP12, CS96, CN99, Che98, CG10, CLN12, CF05, CHM02, CS10c, CFM98, D’A00, DLY14, DB98, DH01, DMM004, Ded10, Del14, DS14, Ema10, EOZ94, EGKS94, EPSU09, FGMP13, FGMP14a, FGMP14b, FH06, FWA+11, FT03, FMR06, FG98, GG13, GNL14, GG03, GB98, GG05, GOS03, GW00, HR05, HS06a, Hag00, HCRT13, HN06, HZ10, HG12, Hoe04, HRS12, HSCTP04, JFG10, JZ13, JP08, Jou94, Kas95, KLR98, KZ00, KR06, Kra08, KMRW97, LM00, LV08, Lee13b, LM08, LLZ08, LLZ09, LW12b, LB12.

Linear
[LCJ96, LN04, MKSG10, Mar09, MB02, Meu11, MW13, MN11, MGW00, Nat98, NP08, Okt05, OD12, PDH09, PdSM+06, PSB+06, PSA99, PBJ+06, PMSB12, QOQP09, Rah06, RG07, Roe98, SZ99, SS99, ST08, SBP04, Sma04, Smi97, SvG08, Sta94, SO10, Str93, Sun95, SSB08, SW10b, TT07, Ton94, VBT99, VM13, VK13, WLX+13, WM05, Wil09, Yin94, ZGA10, Zha97, ZV05, ZS14, ZJ96, Zin00, dSL05, AM95, Atek94, CV93, CW97, Fre93, JS93, Kor93, LV94, LJ93, Lie93, RAn93, WTS94, YZ05].

Linear-Quadratic
[Ded10, HN06, PMSB12, CV93].

Linearization
[Slo02, vdzVbD10a, vdzVbD10b].

Linearized
[BTGMS13, HG02, HNS08, HBS00, Mu97, OB08, WY12, YW13].

Linearly
[GKL08, LST07].

Lines
[HRT13, KMT98, WH13].

Linesearch
[BS03, Toi96].

Liquid
[BLGL11, RG13, VPP05].

LMF
[Ber00a].

LMF-Based
[Ber00a].

Loads
[ACO98].

Lobatto
[GK11a, PZPR07].

Local
[AMM+11, ABH03, BYL13, Bla97, BVV08, BG04, CCF14, CL11, DG09, Doh07, EPV94, FMB13, GGKM07, JK11, JED10, Joe95, Kan03b, LZ02, LJ95, Mar94, Mau95, NXDS11, PDC99, QL06, Sch10, TVV11, WI12a, XS08, YCZ13, Yu01, YSZ14, FCR93, Joe93, TV93].

Locality
[AKA13b].

Localization
[EMM+99, GM14b, SBr06, VP11].

Localized
[CF00, DFQ14, HM14, PBWB14, RAB+14, WLE+00].

Locally
[AHR12, AMP00, EÜ09, Kny01, KAL07, MS13, Sha99, Str95, SL09b, Tor05, Wan01, Zim14, Ain96].

Locating
[FD03, KV96, KMV99].

Location
[GS12].

Locking
[Mee01].

Lodgepole
[WP08].

Loève
[SÁ97, SAY03].

Loewner
[IA14].

Loewner-Kernel
[CF00, DFQ14, HM14, PBWB14, RAB+14, WLE+00].

Locally
[AHR12, AMP00, EÜ09, Kny01, KAL07, MS13, Sha99, Str95, SL09b, Tor05, Wan01, Zim14, Ain96].

Locating
[FD03, KV96, KMV99].

Location
[GS12].

Locking
[Mee01].

Lodgepole
[WP08].

Loève
[SÁ97, SAY03].

Loewner
[IA14].

Log
[UEE12, WR13].

Long
[EE12, WR13].

Log-Normal
[WR13].

Log-Transformed
[EE12].

Logarithmic
[AMH12, AMHR13].

Logarithmic
[AS05, AS06, CP03a, KKT13].

Logarithmic-Kernel
[CP03a].

Locally
[AHR12, AMP00, EÜ09, Kny01, KAL07, MS13, Sha99, Str95, SL09b, Tor05, Wan01, Zim14, Ain96].

Locating
[FD03, KV96, KMV99].

Location
[GS12].

Locking
[Mee01].

Lodgepole
[WP08].

Loève
[SÁ97, SAY03].

Loewner
[IA14].

Log
[UEE12, WR13].

Long
[EE12, WR13].

Long-Time
[GASS98, Gob08, HS97, Jah04, LLL08, WKY08].

Long-Term
[HS97].

Low
[BT03c, CGMR05, CL08, DM13b, DHHR09, Elm99, FWA+11, GNL14, Ket08, Kir14, KSU14, SL13b, NBA+14, Pen00, SZ00, VD10, WS05, War13, ZHS10].

Low-Complexity
[Kir14].

Low-Dimensional
[CL08].

Low-Order
[ZHS10].

Low-Profile
[DHHR09].

Low-Rank
[DM13b, GNL14, SL13b, Pen00, SZ00].

Low-Storage
[Ket08, War13].

Lower
[Bre00, CXY10, LQX14].

Lowest
[Ain07, DK98, MMA98].

Lowest-Order
[DK98, MMA98].

LSMR
[FS11].

LSRN
[MSM14].

LSTRS
[LRSV11].

LU
[GCKLN98, GLD10, GBDD10, PT08, WZSL12].

Lubrication
[GB06a].

Lumped
[BCF13, KLJ10].
Lyapunov [EL01, EMSW12, Kuc12, Pen00, Sim07].

Lyapunov-Type [EL01].

M [EZ11], M-Matrix [EZ11], MAC [HLW13], Mach [NBA+14], Machine [BP97b, BGM09, ST94]. Machines [BD99, BZ12, FJ00, GAMV13, TW93].

Macro [JS10, LLS13, LM08, LM12, PV08].

Mactro-Elements [PV08].

Macroscopic [Cha07].

Made [GG09].

Magma [RWKW14].

Magma/Mantle [RWKW14].

Magnetic [CPH14, ST03].

Magnetohydrodynamic [HRT13, NL14, Ros06b, Tor05].

Magnetohydrodynamics [AMMR10, AMM+10, ABMK+13, AL99, BT06, Dw97a, Dw98, Gur04, NvdP00, ZMC94].

Magnetostatic [Lab05, PSA99].

Magnetostatics [BBMR03].

Malliavin [WR13].

Manifold [MRSS14, Sma01].

Manifolds [BCF01, LLD99, LSU11, QZZ14, WS95, ZZ04, vKVA11, RST93].

Manufacturable [SSW12].

Many [AL99b, KMMV08, OT09, SM07, vDvdA12, RKvdDA14].

Map [CRV14, vDVvdB10a, BG10].

Mapped [LO14].

Mapping [And08, DLTZ06, Vas10].

MapReduce [CGHT14, KPP+14].

MapReduce-enabled [CGHT14].

Maps [EL01, EL03, GGKM07, HT09, NXDS11].

Marching [ABMR11, CHO01, CDGT01, DBC13, KM97].

Marker [MCT+05, NKM10].

Markov [BBB+11, Day98, DS00, DMM+08, DMM+10b, DMSW10, DMM+10a, EHL06, Ga08, Kus97, SBM07, TY11].

Markovian [BD05].

Martensitic [NWW97].

Mass [AH06, CL97, HRT10, HLMM06, HLM+09, KLY05, KLY07, LR12, LP03, Sch13].

Mass-Conserving [CL97, HLM+06].

Massive [KPP+14, MDC08].

Massively [CFM98, GAMV13, HW94, Pip13, ZSD+10, MH95].

Master [DHJW08, JAH10].

Matched [AH09, BHNPR07, CM89c].

Matching [AMi94, HW90, KH00, San10, WPG13].

Matchings [HS06a].

Material [BW01].

Material-Energy [BW01].

Materials [EIL+09, SP03, SBX+08, ZCW10].

Matérn [CWA14].

Mathematical [ACCP13, BHN10, GLL01, GR04, GKT09, KK13].

Mathematics [Mar01, WKM+07].

MATLAB [BK07, BT04, GKD05, SR97].

Matrices [AKA13a, APQ04, BDD+97, BN05, BGL06a, BOR97, Ben01, BHT00, BDvdG05, BC13, BL99, Bör07, Bör9, But13, ČAK11, Che13, CMG05, CV98, DLP05, DHR90, DSV05, DI 97, DW05a, EK10, FS08, GWM03, Han95, HJS99, HK00, HWS05, HLT97, Is01, JN10, JP11, KK13, KLSS05, KSLT06, KS07, KMS14, LLHF13, Leer13a, LSC03, LSC13b, LNC05, LYL+11, MO08, Meu01, Mön08, NP10, NL99, Nol06b, PKNS14, QSO8a, RT99, Saa96, SCTP04, SSH06, UA04, UA07, VD10, Vl10, Vir07, Wan97, Xia13, XCl3, ZGA10, AMB+94, BW93, CS97, DI 95, FS96, FF94, FGN93, GUT93, Jin95, Lina03, May08, Nag13, NCv06, Tre93, Tre97].

Matrix [AKA13b, AA14, AMH11, AMH12, AMR13, ADL+12, ACW12, AKM+14a, AVW13, BCT07, BGM13, BS09, BF95, BFK03, BC13, BG13, BG12, vCvAU10, CL08, CH11, DN97, DGK98, DCP11, EZ11, Elb06, EBS+11, FK00a, FSvdV98b, FS08, Gar97, GT94, GG94, GL10, GG95, Hag02, HW94, HR14, Höh94, KL94, KP11, Kna98, KR00, KHW+14, KV13, LV98, LPS10, MV00, MKSG10, MB99, Mat95, Nag00, OD12, PV94, PV95, QQvdG01, RN14, Ruh98, SZ00, Sim07, SOL13, SQ02, TS11, TW13a, UA04, VSS14, WSZ14, WH90, YB09, Zha96, ZJX14, vKVA11, vDEH05,
BR95, Jam96, Nat97, OA93, YL93].
Matrix-Dependent [Kna98]. Matrix-Free
[BGM13, FK00a, vVK11, ACW12].
Matrix-Matrix [AA14, BG12].
Matrix-Vector [AKA13b, KHW+14, KV13, UA04, WH09].
Max [GG94, GG95].
Max-Min [GG94, GG95]. Maximum [ACW12, AW11, BI09, DGS08, FH06, GY09, IMS96, JX13, LI01, LY14, TV98a, ZLS12, Zim13].
Maximum-Principle-Satisfying [LY14, ZLS12].
Maxwell [APZ13, AA02, BBB14, BGH+03, BHST08, BV09, CGG+14, CWZ07, CHMR10, DGGG09, DF09, EDGL12, Hen06, HH11, HTB+05, HY14, JI05b, JZ00, LHL11, McG95, MP94, MS12, MSV00, NHSS13, PS10a, PL12, RT01, RL10, RW01, RGG06, ZCW10].
May [KHU96, RMB00, TW95].
MCMC [Bar12a, MWBG12, PMSG14].
MCMC-Based [Bar12a, MD [ZLBC03].
MD-DCT-II [ZLBC03]. MD-DCT-IV [ZLBC03]. MD-DCT-IV/MD-DST-IV [ZLBC03]. MD-DWT [ZLBC03].
Mean [CS94, Don06, GDSL14, Hof05, MT97b, RW06, VP14].
Measure [SG04]. Measurement [CAB04].
Measurements [KBV09, MS03, PDTVM08, RKVdDA14, vdDA12]. Measures [Cao07, LCN14, ROGY0, RW06].
Measuring [Hua05].
Mechanical [AL99b, CSS10, HW09, RN14]. Mechanics [BTB05, ES00, GRPG01, Leci13a].
Mechanism [LL02]. Media [AE08, ABBM98a, ABBM98b, BGS09, BC09b, CDB13, FHR14, GYZ11, GJP+14, GW04, HY14, HSSZ09, KK02b, LWVW03, LE10, LOL13, LY08, LZO4, MR05, PS10a, Slo02, TTSM08, WLE+00, WZET13, YGCP96].
Medial [JED10].
Medical [HDB08].
Medium [AHR12, CK07, DBC13, LHL11]. MEG [HCHS13].
Memelikov [XYZ05]. Membrane
[DJ08, RR98].
Memory
[AKK14, BBSV10, BDD+97, BT03c, BVVC+10, BFJ00, BLNZ95, DJ07, GKK10, HKR02, HWD02, LM99, LWZ13, LFLS08, McL12, PF94, PR96, Sta07, SM07, Sun96, TD99, ZV05, NP93a].
Merge [Oli01].
Merging [Ros97].
Mesh [AKM+13, BLH02, BBSW94, Ber98b, BVW03, BHR96, BW09, BWG11, CHR99, CHR02, CPB13, Che94, CWL+14, CC06, CC09, CC12b, yCWHJ12, DLTZ05, DLTZ06, FK00a, FR10, FCC10, FJP99, GVP06, GT98, GHTW00, GMT98, HM08, HR07, HH97, HR99c, Hu05, HA08, JTZ08, JP97, Kn01, LPR98, LC05a, LC08, MN07, MP08, MM07, Os07, PP05, RH06, RXW07, SL09a, SMR01, Tra95, WC00, WCHZ14, XOMN10, YHQ12, ZJC12, ZSD+10, Zie12, de 99, CC11].
Mesh-Free [yCWHJ12].
Mesh-Independent [BVW03].
Mesoscale [RG90, YC14].
Message [BS98].
Metabolic [LNA+11].
Metallc [PS10a].
Metamaterials [HLY13].
Metastable [Kue12].
Method
[ABMR11, AA13, Ama99, ALJ99, AF11, ACC000, AHDK14, AP12, ABCP08, AH04, AH06, AW11, AHH12, AHR12, AP99, ACCP13, BA05, BS08, CBR03, BS05a, BGL06a, BMR10, BLMR02, BT03b, BO07, BHV05, BJ01, BS05c, BS09, BDZ13, BMTZ13, BGOD08, BV03, BG10, BSHL14, BB10, Bar99, Bar05, BRT07, BC06, BK08, BG98, BM01a, BSS09, BL04b, BPT+14, BM95a, BMT96, BCT00, BH12, BP13a, BLS14, BPS13a, BMO1b, BHK14, Bet08.
AKM+14a, AS05, AA02, AKM14b, AL97, AL99b, AHH06, ALZ14, BS03, BS07, BQQ08, BR05a, BGLY05, BHN07, BN98a, BS05d, BBGS04, BN00, Bas98, BBBG11, BN98b, BLB00, BzCS11, BDO12, BM11, BHT09, BF05, BG05a, BG05b, BCM05, BCM11, BF14, BvW09, BLR14, BS99b, BT13, BKMM10, BK12, BMV05, BM11, BMMT14, BD05, BRW10, BHR96, BOPG06, BMV13, Bur13, Bur14, BL07, CCF14, Cai95, CKS01, CL11, CGL12, CHAMR06, CSS10, CPH14, CGQ10, CPV95, Car07, CV07, CKD13, COS06, Cas97, Cas02, CZ10, tVCAU10, CFSZ08, CEHN08, CV12, CS96, CSY98, CGZ99, CN99, CC03, Che98, CKY98, CD02, CHMR10, CMK11.

Methods [CLL13, CBN02, CKV99, CS14, CH08b, CK98, CHH10, CM99, CFM96, CCG14b, CDW14a, CDW14b, CS10c, CK94, Cor98, CSW14, DO11, DP98, DMM04, DMMO05, DG98, DHJW08, DLTZ05, DRFNP07, DFN12, DGG09, DK98, EKM94, EDGL12, EBR00, Elm98, Elm00, EMM99, Ema10, ELHHR00, EN09, EV13, ENIT09, FK00a, FGM08, FKTW10, FS02, FK00b, FMR06, FS12, FS13, FM99, FNNB05, GMNO2, GK12, GASS98, GGL09, GKI11a, Gas13, GH14, GK03, GHH07, GL08, GV12, GY05, GM94, GGKM07, GKS98, Gra14, GK05, Gri94, Gri95, GSW13, GC97, GW04, GM04, GVMM14, GP96, HKR02, HR05, Hag00, HKF13, HHE10, HW13, Han95, HH02, HMM13, HW14b, HNS08, HJ98, HSF07, HT00, HLM06, HLM69, HMR09, HL98].

Methods [HV96, HECH14, HLP08, HS01a, HK95, HKM97, HW09, HF11, Huc08, HLM03, IM97, IM99, IT14, JK11, JSPC97, Jay98, JVG12, JW05, JCL07, JGZ06, JR96, JR98, JP11, JZ00, Kan03b, KB08, Ket08, Kim05, KL06, Kim08, Kla98a, KR06, KLR14, KVKM01, KT08, KSU14, KW10a, Kuh12, Kus97, KGT07, LVWW03, LOSZ07, LCBD07, LP96, LS95, LL97, LMPQ03, Lee10b, Lee13b, LST07, LG09, LHL11, LRS02, LL08, Log03a, Log03b, Liu00, Liu01, LMM04, LK98, MM13, MV00, Man99, Mar03, MS04, MLL13, MC10, MCL95, McL07, MRS14, MW01, Mic01, MT97b, MSS12, MS12, MDC98, NKLW94, NX12, NRRW09, Ng00, NSJ03, NY01, NYW11, NWW97, NN05, O'L01, OS10, ORST12, OS14, OLW08, OS98, OSCE00, PS02, PR01, PE00, Pav98, PZPR07, PL06, PSA99, PWGW12, Pul08, QX08].

Methods [QS05a, RKLN07, RR98, RG07, RW11, RG98, RGG06, RH09, RW06, RS13, Ros96, Ros05b, RS99, RWW14, RM08b, SL10, SG11, SRS12, Ser06, SCTP04, She99, SY10b, SY12, SBX08, SV00, SS03, ST00, Son12, SH14, SSW98, Sta07, SM07, Ste01, Ste06, SS93b, Ste02, Str94, TT96a, TS11, TK13, Tau96, TSK09, TVA02, TLT12, Ton94, TS14, TPW09, TLE12, TP99, TV98b, UA07, VC00, VV05, Vas07, Vil14, VV94, VO96, VPPP05, Wa19, WCO03, WCO03, WPL13, WLE00, WL08, WYY09, Wan12, WG00, WMSG09, Wen10, WK03, XZB11, XH05, XT06, Yan94, YTL11, YZ07, YZ08, Yu01, YB09, ZK14a, ZCK14, Zbi11, Zha97, ZV05, ZCL11, ZZWZ14, ZMS10, ZW94, ZF09, ZS02, Zin00, ZS04, vHBTC12, vDVY00, AP93, Atk94, Bia94, BR95, BHP94].

methods [Cai94, CSS93b, CW97, Dax93, DG95, Ekt96, FS96, HHRV93, HLS93, Lie93, LS93, MMR93, MP94, Pem93, Pm95, Ran93, ST94, She97, Wei94, Zha94, vd97].

Metrics [Knu01, UA04].

Metropolis [Wal14].

MHD [CST13, PEC14, Rav05].

Micro [JS10, LLS13, LM08, LM12].

Micro-Macro [JS10, LLS13, LM08, LM12].

Microchannels [VN03].

Microflows [CLQ12].

Micromagnetism [Lab05].

Microprocessors [HML+04].

Microscope [WPL13].

Microscopy [BC06, LFJS14].

Microstructure [Kup00, Li03, NWW97].
Moment-Based [BN98b, PKR+13].
Moment-Equation [LZ04].
Moment-Parity [BLM03].
Moments [GMV99].
Momentum [LW12a].
Monge [BW09, DF10, Fro12, PTvR+14].
Monitor [CHR99].
Mono [Lee10a].
Mono-Energetic [Lee10a].
Moments [GMV99].
Monge [BW09, DF10, Fro12, PTvR+14].
Monitor [CHR99].
Mono [Lee10a].
Mono-Energetic [Lee10a].
Monochromatic [KR14].
Moment-Based [BN98b, PKR+13].
Moment-Equation [LZ04].
Moment-Parity [BLM03].
Moments [GMV99].
Momentum [LW12a].
Monge [BW09, DF10, Fro12, PTvR+14].
Monitor [CHR99].
Mono [Lee10a].
Mono-Energetic [Lee10a].
Monochromatic [KR14].
Monodomain [DKKP14].
Monomial [WB08b].
Monotone [PL03, SYY09, WK03, Boc93].
Monotonic [Woo94].
Monotonically [DBC13].
Monotonicity [AW11, BH14a, BS04, BM10a, BM10b, FK97].
Monotonicity-Preserving [BH14a].
Monte [IK10, ABL05, ACdS+11, BHvST14, BCSS14, EHL06, EBSS+11, HW14b, HHL00, IT09a, IT14, KKS08, KKB+08, LZ04, MS04, MSS12, Okt05, PR01, TPW09, Wan12].
Monument [Sem10].
Morrison [BCMM03].
Mortality [Kim05].
Mortar [BBMR03, GYZ11, GJP+14, KL06, PWGW12, Ste01, TW13b, WW03].
Most [KM05].
Motion [BN98a, CS94, CFSZ08, GM13, MO00, Mo10, Nit99, Sch05, TR93].
Motions [MK96].
Mountain [Ben13, Tum10, TBC+11, Vas05, vdV01, vdVDE+02, vdVDE+03, Vas07].
MOVCOL4 [RWX07].
Movement [BLH02, FS05, KWW13, NMW11].
Moving [BHR96, BW09, CHR02, Car10, CM98a, CM98b, CP13, DBC13, DLTZ05, DLTZ06, Gra14, GN07, HR07, Hei13, HR99c, Kup00, LPR98, MN07, RXY07, SMR01, SAE10, TY00, VB07, WS07, YHQ12, Pet93].
MPEC [BLP14].
MR [BEM94].
MREIT [SKJ+13].
MRR [DPV05, PQQB14].
MRRR-Based [PQQ14].
MSC [WZ03].
Multi [BL03a, CB08, HK95, HGGK97, LNP+07, Log03a, Log03b, MSS12, OPR06, Saa96, SW09, WK06].
Multi-Adaptive [Log03a, Log03b].
Multi-dimensions [MS12].
Multi-Element [WK06].
Multi-Elimination [Saa96].
Multi-experimental [BL03a].
Multi-Right-Hand-Side [CB98].
Multi-Stage [SW09].
Multibody [AKPRB08, Lee13b, Sch05, WK03, YP98].
Multichannel [YZY09].
Multiclass [BCV13].
Multidimensions [Sur00].
Multi-domain [CLL13, PM95, WPGR13].
Multigrid [AC04, AC05, ABo08a, ADGM98, AA02, BFKY11, BDS98, Bas98, BDO12, BI00, BGG+03, BHST08, BVV08, BB03, BH08, Bvw09, BMg5b, BD99b, B1Y00, BF10, BK14, BCF+00, BMF+05, BMGR01, BFJ00, BVV03, BL03, B1A13, BKS13, BK11, CW07, CcS98, CGG+14, CH02, CMM+07, CkY98, CMK11, CFH+00, CRV14, DMS01, DMM04, DMM+10b, DMM+10a, De 12b, DMM13b, DT95, Den97a, DB94, DTM05, Doh07, DSC05, EE01, EOV05, FS14, FFK+14, FS96, FMB13, FKK+14, GGL09, GGO02, GOS03, HKR02, HR05, HW13, HZ08a, HZ08b, HHvR03, HW01, Hen05a,
Hen05b, HTW⁺12, HV95, HTB⁺05, Huc08, Jv96, Jin14, JL05b, KKVI3, Kan03a, KR14, KK09, KK02b, KY03, Kna98, KR99, Kra08, Kra09, Kwo99, LO11, Lee09, Lee10a, Lec12, LN05, LB12, LB06, MO08, MM13, MMM⁺94, MS06a, MT96, MMV98.

Multigrid
[MN08, NN12, NN14, Not12, OR02, Ols07, OST11, OW98, OW00, OW02, PT01, PoH09, RGOY10, RLM⁺00, SB10, Sch98, SCTP04, SIS96, Sha99, SS10a, SAB14, TZ95, TY11, VV05, VV13, Vir07, WSC00, WC03, WL04, WHCX13, WOW00, WO01, WY09, WO03, WK03, WE06, XQ94, Yav96, YVB98, Zas95, ZF09, bZOW07, BGP94, BY93, BH93, BK99, MMM⁺95, MMMY96, Yav93].

Multigrid-Preconditioned [PT01].

Multigrid-type [DSC05].

Multigrids [BTB05].

Multilayer [Lar99].

Multilevel [ABH03, AKS05, AP99, BS02, BK98, BK99, BL04b, BHT09, BS05f, BGS09, BBB⁺11, BMSV97, BV98, CGP93, CGZ99, CC08, CC10, CWZ07, Cho05, CDGT01, DMM⁺08, DMSW10, EY07, EN08, EN09, EK14, EK10, GLS13, Gri94, Gri95, GS02b, GR05b, GrM10, HM05, HJ98, HLMR96, HL10, HS01b, JK11, JR96, KNN12, KK98, KKT13, KS94, KKF11, KT08, Kra12, LLP98, LLZ08, MG07, MG09, MG11, MV94, MK08, MSS12, PS08, PS11a, PC07, Rüd94, SZ99, Saa05, SCTP04, SBX⁺08, SW03, SLOC1, WC00, WiOH08, YD06, Zha94, EG93, LB11].

Multilinear [SL10].

Multimedia [WLK06].

Multimodal [HW03].

Multinumerics [TW13b].

Multiparameter [BC99].

Multipass [MS08].

Multiphase
[BHN10, LVWW03, RHSK11, WZET13].

Multiphysics [WPG13].

Multiple
[ARMNW10, AHDK14, BA05, BDvdG05, BS96b, BD99a, CGL⁺13, CR14, CN99, CC97, CM95, EPE05, GYZ11, HR05, KMR01, Lee10b, LZ01, LZ02, LX14, LN04, MN11, RH06, SG95, SO10, Str93, UA04, WS07, WO98, WWJ12, XYZ12, YZ05, YC99, ZGA10, CW97, Heg95].

Multiple-Coarsening [Lee10b].

Multiplication
[AKA13b, BA05, BDvdG05, KHH⁺14, Mat95, SLvdGK14, VR14, WH09, YB09].

Multiplication [YL93].

Multiplicative
[Cai94, CGG07, HLZ13, SGCT07, Vid14, WY13].

Multiplier [BLS14, IT09b].

Multipliers [KMW99, KW00, WY12].

Multiplies [UA04].

Multiply [BC13, DK11, HT09, NAS13, Goe97].

multiply-add [Goe97].

Multipoint [SB98].

Multipole [BCR11, BT03b, BPT⁺14, Ber95a, CDGS05, CD13, CJ05b, ED95, EG01, GR03, GD03, GrM10, HEGH14, HR98b, KLZ⁺06, LCD14, MG07, MG09, MG11, MR07, NKLW94, OC03, OC05, RRR05, Sch94, EB96].

Multipole-Accelerated [NKLW94].

Multipoise-Based [GS00].

Multiprecision [CVW06].

Multiprocessors [Sun96, NP93a].

Multiquadric [DD12, KW11].

Multiquadrics [CBN02].

Multirate [Pul08].

Multiresolution [ATV07, ACD95, ADH99, BW00, BC02, BH97, BT01, DMD⁺12, JTZ08, LS00, WB00, Liu93].

Multiresolution [Vil14].

Multitrow [KMSM14].

Multiscale [AE08, AD07, BZ97, CSS10, CD01, DP10, DC5010, DMD⁺12, Ji99, JK05, KY05, Kra09, LM00, Li99, TW03, TW13b, WM11, ZCW10].

Multishift [VD10].

Multispecies [BMV13, JS10].

Multitarget [Har08].

Multithreading [But13].

Multitissue [CC11].

Multivariable [Lin06].

Multivariate
[BGM09, CS14, CK06, IM98, LL03b, NX13, Rah13, ZNX14, CW93, Heg95].
Multiwavelets
[AB100, BW00, CCA03, WB00]. Mumford
[DMN08]. Müntz [MC05]. Muscle
[RDP08]. MUSIC [AILP07].
MUSIC-Type [AILP07]. MUSTA
[MEF09]. MuT [LB11]. Myths [HvdG96].

N [Mau95, Ten98]. N-Body [Ten98].
N-Simplicial [Mau95]. Nano [GL10].
Nanotube [Mau95]. Narrow [KP09a].
Natural [CF07, HLMR96, LRD+04].
Navier
[KW07, ABS96, ACL09, BH00b, BL07a,
BW11, Ber97, DLTZ05, DHE13, ES96,
Elm99, EHS+07, Ena97, FF05, GRL10,
GHST98, GW98, GK98, HG96, Hes97, Hes98,
HLM+09, HBS00, JLI1, JK05, JK00, KLW02,
KL05, KGGS10, LW12a, LLP98, LL03a,
LCW95, LLL08, Lui01, MP08, NSK10,
OR02, PT01, PP08b, PM95, PS12, RG09,
SWT00, Sma01, TLN14, TLLK09, TC99].
Near [FD03, GrM10, MHS98, O’L01,
SW10b, Van95]. Near-Field [GrM10].
Near-Optimal [FD03, O’L01].
Near-Singular [MHS98]. Nearest
[BCT07, ROO08b]. Nearly
[Hag00, LS12b, Sta07, SM07, SLC01].
Nedelec [SLC01]. Needed [IW14]. Needle
[CS94]. Nested [AMM+10, CZ10, EN08,
GPP95, GBDD10, HR98a, NX13, RWW14].
Network [BPS13b, BPS13a, FMR13,
Wan07a, SBC93]. Networked [Her08].
Networks
[BHN10, EdDP09, FGH+08, GaP08, GK13,
HK03, HGPM14, KO05, MM07, SDN10,
SAY03, SAE10, Wan97, CC96]. Neumann
[BR95, FCR93, Fli13, FK00b, HN06, KL06,
KL13a, LV10, Nas09, NXDS11, NCT99,
XYZ12]. Neural [RAB+14, ROC6, SAY03,
Wan97, Wan07a, SBC93]. Neuromagnetic
[BBR08]. neurophysiology [GM96].
Neutral [COZ96, WL08, WH13]. Neutron
[CMM+07, FHL13, SG11]. Neutronics
[WKKP13]. Newton [BG05a, BG05b,
CC12a, PBC05, AHDK14, BC10, BM01a,
BM11, BG05b, BWW03, CGK+98, CK02,
CL11, CZ10, CX08, DP03, EW96, EV13,
FSDV98a, FGM95, GV99, KNIT98, KSD10,
KR99, KVMK01, Lan10, LL08, LR98, MV00,
MBWG12, MBVO13, MPS09, OS98, PW98,
PT01, PP08b, PMSG14, PMSB12, RWW14,
SL10, SQO02, YP98, dSK11, vWVBV09].
Newton-Type [CZ10, YP98, MV00].
Newton/Chord [KMT98]. Newtonian
[GP96, Lee14, MM14]. NFFT [PS03]. NI
[CGQ10]. NICAM [TGS08]. Nicolson
[Mu97, LPP09]. Nikodym [Mau99]. Nine
[SY08]. Nitsche [LR12]. NITSOL [PW98].
NLEIGS [GVMM14]. no [BEM94]. Nodal
[BFK05, CW13, MMA98, MN07, NX13,
RU01, SF08]. Nodded [CSS08]. Node
[LLHF13]. Nodes
[BMF12, Bog14, HT13a, ZMS10]. Noise
[BG10, BRW10, CC08, Gub96, HLZ13,
MO00, MW11, RW06, V114, WGT14,
YZ09, ZTRK14]. Noises
[GDLS14, MT97b]. Noisy
[BTY08, Kus00, LT09, SKJ+13, YGC96].
Non
[AM04, B011, CGL+13, CPV95, DFQ14,
FS14, GS14, GP96, KMR01, LRD+04, MB13,
Sta97, bZOW07, FGN93, Fre93, YZO8].
Non-Boussinesq [LRD+04].
Non-Cartesian [DFQ14].
Non-Coordinate-Aligned [MB13].
Non-equidistant [bZOW07].
Non-Galerkin [FS14]. Non-Gaussian
[AM04, GS14]. Non-Hermitian
[CGL+13, KMR01, FGN93, Fre93].
Non-Iso-Homogeneous [YZ08].
Non-Newtonian [GP96].
Non-Self-Adjoint [B011, Sta97].
Non-Selfadjoint [CPV95]. Nonadiabatic
[BG11]. Nonaligned [BD99b].
Nonasymptotic [BHvST14]. Noncentered
[BBR08]. Nonconformal [PL12].
Nonconforming [CKY98, DFQ14, Kan03a].
Nonconservative [CPPR12, DRFN07, MEF09]. Nonconvex [GRMS09, KPP07, MV06, NWW97, QS08b, SWW08]. Nondegeneracy [Usb01].
Nondifferentiable [CGS02]. Nonelliptic [KMM98, SYY09].
Nonlinear [ADKM03, ABF96, Ami94, ABK11, ADH99, AD07, AL97, BK98, BK99, BLM03, BSH14, BPR04, BM01a, BBM11, BL14, BCF12, BF06, BLR14, BS99b, BRG10, BC99, BM00, BMV13, BFI07, BG04, CL11, CC14a, CR14, CM09, CNP12, CGM99, CCJ07, CS10a, CN10, CW12, CH11, CSW10, DB99, De 12a, DH012, EGK04, EV13, FF05, FSdV98a, GR05a, GJ01a, GR02, HH02, HJ98, HKT01, HXB13, IM97, JK07, KB08, KA95, Kea97, KZ00, KLR14, KM09, KLS08, Kus97, LP13, LRW96, LV13, Lay96, LW14, LV13, LSZ11, LK04, Lui00, MJS03, Mar94, MO00, MO8, MG12, MT09, OW00, PL03, PW98, PPT11, Pla98, RLM00, Sch03, Sem10, SH07, SB05, Slo02, Sma04, TW05]. Nonlinear [ADKM03, ABF96, Ami94, ABK11, ADH99, AD07, AL97, BK98, BK99, BLM03, BSH14, BPR04, BM01a, BBM11, BL14, BCF12, BF06, BLR14, BS99b, BRG10, BC99, BM00, BMV13, BFI07, BG04, CL11, CC14a, CR14, CM09, CNP12, CGM99, CCJ07, CS10a, CN10, CW12, CH11, CSW10, DB99, De 12a, DH012, EGK04, EV13, FF05, FSdV98a, GR05a, GJ01a, GR02, HH02, HJ98, HKT01, HXB13, IM97, JK07, KB08, KA95, Kea97, KZ00, KLR14, KM09, KLS08, Kus97, LP13, LRW96, LV13, Lay96, LW14, LV13, LSZ11, LK04, Lui00, MJS03, Mar94, MO00, MO8, MG12, MT09, OW00, PL03, PW98, PPT11, Pla98, RLM00, Sch03, Sem10, SH07, SB05, Slo02, Sma04, TW05]. Nonlinear Programming-Based [KB08]. Nonlinear Programming-Based [KB08]. Nonlinearity [JMK14]. Nonlinearity [CL11, GM00a]. Nonlinearly [CK02]. Nonlocal [KM97, RAB+14, XJBS12, XJS13]. Nonmatching [ML13, RT01, WK03]. Nonmonotone [Toi96]. Nonnegative [CL08, DHHR09, KP11, LD11, NSJ03, SX11, ZJX14, FS96]. Nonnegatively [BV03]. Nonnested [Cal95]. Nonnormal [vD03].
Nonnormality [vBd05]. Nonorthogonal [DKG98]. Nonoscillatory [BT06, CFR05, CV07, DB07, GR02, JT98, LN03, LT00, QS05a, QS08b, ZLS12]. Nonoverlapping [Den97b, MRS04, PL12, RL10, RGG06]. Nonparametric [DPR00].
Nonparametric [EMT09, ES00, HMM08, Hei13, Rei13].
Nonpolyhedral [And08]. Nonpolynomial [BB10]. Nonreflecting [LS02].
Nonstationary [BTRH12, SMN10].
Nonstrictly [TW95]. Nonsymmetric [BDD+97, BN05, BGL08, BBM11, BT98, BS99a, BHT00, BMM+10, BCM03, Bur13, Bur14, CJH11, CKD13, CS96, CKY98, EPV94, HWD02, HZ10, Ips01, Jou94, Kas95, Krz01, LZ99a, LSS03, MS07b, MN11, PV05, Ruh08, ST08, SIS96, SG95, SvG08, Sta94, TT07, Tru94, Zhu97, dDBV14, dSL05, CS94, DS93, ES96, ST94].
Nonturbulent [CBS00]. Nonuniform [AIM14, BBBV13, BGOD08, CKRS07, FCM12, NL99]. Nonvariational [LP11].
Nonzero [CXY10]. Nordefating [CGDD11, EOV05, FO08, GKK10, HY10, Lee10a, MTS08, Xu94, YTL11].
Notion [BYK05].
Novel [CGDD11, EOV05, FO08, GKK10, HY10, Lee10a, MTS08, Xu94, YTL11].
Null [BN00]. Nullspace [Le 09, RG13].
NUMA [GKC13]. Number [AMHR13, CQK14, Fer98, HR14, LW02, NH12, NBA+14, SSDN12, SV08b, SV11,
Numerical
[ABBm98b, APZ13, ADKm03, ABH03, APvDG12, Ama98, AIL05, AP97, Aru12, ACCp13, BH00b, BL03a, BJM03, BS05d, BMTZ13, BBC+01, BN00, BPB07, BK08, Ber98a, BM05, BK04, BCSS14, BK09, BK00b, BV09, BHT11, BBC07, Boz09, BMM+01, BT13, BJ08, BLL07, COZ96, CLMM00a, CHK01, CL10, CLPS03, Car07, CM09, CP05, CGP12, Car93, CH08a, Cha07, CGK13, CLAT10, CW06, CK98, CH09b, CG96, CK94, DO11, DP98, DK11, DMM00a, CP05, CGP12, Car93, CH08a, Cha07, CGK13, CLAT10, CW06, CK98, CH09b, CG96, CK94, DO11, DP98, DK11, DMM00a, DNP+04, DJP00, DQQ13, Don06, DV98, DG99, Du11, EL03, EP05, FGMP13, FGMP14a, Fai03, FMM98, FL04, FY14, FM06, Fro12, GK00, GHTW00, GGK+04a, GMV99, GT06, GKD05, GGKM07, GMS02, GKT09, Gre03, GV07b, HRT10, HT13b, HM98, HLP08, HR99b, HC98, HLL07, HLM03, In99, Jam98, JK12, JW05, JW13, JZ00, KB08].

Numerically
[KP12a, KW07, KKF11, Kla99, Köso7, Kup98, KGT07, KM05, Lan94, LLP98, LL02, LC97, LMP06, LL00, Li03, LJ03, LLL08, LS09, LC05b, LP06, MR09, Man05, Mar94, MSW05, McJ95, Men94, Mic01, MT97b, MT06, Mis01, MZ94, MS07e, MDC98, MHS98, Nas09, NW97, NH99, Obel3, PB14, PL03, Pem93, Pic10, PABG11, Por01, Pup03, RR98, RW06, SRCG93, SBS98, ScI95, SCD10, SY10a, SP02, Ste01, ST11, TR93, Toi08, Tre97, Van98, Van00, VW98, VR14, WS95, WW09, WM93, Wen08, Wen10, WP98, WK+07, XBC96, XKW08, XK08, XT06, YTL11, YZ07, YZ08, ZP09, ZW03, ZCP06, Zho07, ZS02, ABS96, BS94, Ber97, BH97, BGP94, CDH97, Rän93, RST93].

Numerically
[LRP07, LP08].

Numerics
[ACF09].

Nutshell
[HL98].

Nyström
[CSS93b, Cas05, PT99].

O
[AGL10].

Objective
[KHRvBW14, ten95].

Objectives
[San10].

Objects
[SB96a, BT04, Beu05, BC02, CDY07a, CJ05b, CJ95, Doh07, Elb06, KX96, LW97, MC10, SRS12, SY08, TW03, VR14,Win10, YR98, Nat95, Nat97].

Optical
[BIK02, HPS08, KD05b, RH06, YL07, ZSL09, ZW03, ZCP06, Zhe07, ZS02, ABS96, BS94, Ber97, BH97, BGP94, CDH97, Rän93, RST93].
YSS07, dSK11]. **Optically** [Lee10a]. **Optics** [Du11, GRPG01, QL06]. **Optimal** [AA00, AAD11, APSG14, AS93, BGL06a, BHvST14, BH11, BFK05, BG05b, BK00b, BIK02, BvW09, BBO09, CGR14, CF07, CWL+14, CK98, CCO11, CS10c, Ded10, DZ12, DP07, EU09, FD03, GPS95, GM11, HRT10, HSB12, HN06, HR99b, IR98, Jac03, KB08, Kla98c, Kn01, KALO07, KL12, MRS04, Mar01, MNS07, MSS10, MK08, NRMQ13, Not00b, OL’01, OW02, Rav05, RD10, RW11, RWA95, RW13, ST03, Sta07, SM07, SW09, SW10a, SJD14, TUV10, Wan07a, WG00, WG12, Yam02, Yiu95, ZWH+14, BDHS10, Cai93, DGHL12].

**Optimality** [CCS97, Don06, NM13].

**Optimization** [AHT12, BCS07, BPS13b, BPS13a, BG05a, BG05b, BH08, BGR10, BLNZ95, CC12a, CDM+13, CSW10, De 12a, DF10, DNM08, Doh07, DGW10, EKM94, EE14, FGH+08, GJ05, GH01, GJM94, GV07b, GKL12, GHKS14, HOY03, HM10a, HT13b, HS06b, Haz08a, Haz08b, HK03, HRS12, HKT01, KSD10, KLST06, KS07, KHRvBW13, KHRvBW14, LCH09, LS13a, LN05, wLxY00, LWZ13, LGH+13, LNA+11, NWW97, PR09, PNP13, PSLG14, PDC99, PSMB12, PBC05, PC07, RP01, RG07, RDW10, SW09, SSW12, Toi96, WB08a, WYGZ10, WRS08, WH09, ZZWZ14, Car93, DLC97].

**Optimization-Based** [BPS13a].

**Optimization-Constrained** [LCH09].

**Optimizations** [HML+04]. **Optimize** [BSHL14]. **Optimized** [ADM10, BM01b, BC13, CBG12, CK94, DMBB10, DGGG09, DKZ09, EDGL12, GM02, GK12, IT09b, Jam98, MM07, PKD13, QX08, SCGT07, SAB14].

**Optimizing** [Fie98, GRPG01, KKLS05, Rán93].

**Optimum** [Le 01]. **Option** [IT09a, RW07]. **Options** [AO07, FO08, HY08, HFL11, IT09b, KL11, LFBO08, Mar03, OGO13, RO12, Toi08, ZK14c, dFL05]. **ORBIT** [WRS08]. **Orbits** [CD06, DDF00, GM00b, LMR97, LCH99].

**Order** [ACVZ12, AVZ13, Abg09, ADRI04, AMMR10, AMM+10, AMM+11, ABM+13, AV14, ABM11, Ain07, AAD11, Ain14, ABF96, ABST13, AHT12, AABM13, ADGM98, AF11, AP12, AS06, AK04, AIV98, BS05a, BCR11, BM11, BT06, BS05c, BGN07, BM08, BPR99, BT97, BRL14, BT13, BLM03, BGL06b, BLL07, CLMM00a, CLMM00b, CL10, Cao07, Cas05, CM00, SLAT10, CMO10, CM09, CG07, CK94, DW97a, DW98, DM13a, DG09, DFN12, DKR12, DAE02, DMD+12, DK98, DMM14b, EIL01, FMM98, For06, GH07, GBC10, GM14a, GB06b, GLT09, GM11, GM04, GN07, HHT03, HW13, HL09, HRT13, Hen05a, Hen06, HO94, HO96b, HH11, HS01a, ILK05, Jan98, JK11, KM11, KP09a, KO05, KT05, KL05, KPL13, KR11, KP05, KS14, Kup98, KL00a, KL11, Kye12, LO11, LP11, LE10, LMMR00, LL00, LPR02].

**Order-** [LG09, LN03, LM14b, LM14c, LSS11, LY14, MNS07, MSL13, MC10, MRS14, MAA98, NHSS13, NN14, NS06, Not00b, Ols07, ÔB05, PL03, PT09, PDA09, PP12b, PJ96, QSO8b, RR05, Rav02, RL10, RKNL07, RMC12, RM08a, Ros05a, RWX07, San10, SDN10, ST03, SPKB13, SHP07, SC02, SC98, Str99, SJ14, TVA02, TM14, VC00, VVM12, VB07, VSBH99, VII14, WMC12, WGT14, WSK99, Wen08, Wen10, WM05, Win06, XH05, YSS07, ZS03, ZJC12, ZLS12, ZF14, ZFZ14, ZHS10, Zim14, ZPE12, dVM08, Alu96, CSS93b, GY05, HO96a, LSN93, Pem93, She94, She95, ZMC94, ZzSpH14].

**Order- [MSL13].** **Order-Optimal** [MNS07].

**Ordering** [BT99, ÇAK11, GBDD10, HR98a, MKSG10, MM95]. **Orderings** [BSvD99, BT00a, BT00b, Day98, INS05, S097].

**Ordinary** [CP04, EM99, HV04, IM99, KR12, LLS13, MeL95, SB05, TSK09].
Ordinate [HHE10]. Ordinates [AKM14b].

Oriented [CPB13, Gri95, LW12b, LW14, PDTVM08, RL13, vdZvBdB10a, vdZvBdB10b, RG94].

Ornstein [BPB07].

Orthogonal [AK04, Bar00, BF95, BF06, BL99, BL03b, BDMFS104, Car10, CEHN08, CP03b, CBS00, CLN12, CRT11, HM14, IW14, JED10, KH00, KP12b, Mit08, PDA09, Rav02, Sun95, Sun96, LWN12, Slo02, VV05, WG12, Yn01, ZS02, Boe93, Cai94].

Orthogonalization [Sta97, Ste08].

Orthonormal [WO09].

Orthotropic [LOL13].

Oscillating [KSB11, WTWB09, Tsy97].

Oscillation [LP96].

Oscillations [LRP07, LP08, Pet05].

Oscillators [LK04].

Oscillatory [CSS09, EY07, GASSS98, HW14a, CC12a, CC06, Cho00, CMO10, CH012, CG93, CP95, CKLN98, CDFQ14, DKO12, FH06, Gra14, GS00, HVW95, Hv95, Kye12, LV13, LSZ11, LPP09, MNS07, MSW05, MPRW98, MSS10, Moo00, PS11a, Pic03, PMSB12, QX08, SV08a, Slo02, VV05, WG12, Yn01, ZS02, Boe93, Cai94].

Parabolic-Elliptic [PS11a].

Parabolic-Parabolic [PS11a].

Parachute [KP06a].

Paradigm [BH00a, BL04a].

PARAEXP [GG13].

Parallel [ABM+13, AKK14, AAI98, AH00, BMP14, BDD+97, BDHS10, BDS98, BH00a, BL04a, BO07, BS98, Bar00, BPT+14, BYL13, BvdG05, BDG05, BMF12, BvVC+10, BTB05, BGR01, BBR08, BGL11, CGK+98, COS06, CCG+14, CC12a, CC06, Cho00, CMO10, CH012, CG93, CP95, CKLN98, CDFQ11, CMM98, DGH12, DKKP14, DG99, Ema10, FFK+14, Fe08, FW97, FJP99, GV07a, GI13, GKV00, GAV13, GGO98, GKK10, Gri95, GKL08, GDLO7, GR05b, GH97, HKR02, HW14a, HK099, HRT03, HJ98, HW94, HL95, HS06c, HWD02, Hen06, HS07, HP94, Hig95, HVW95, HKT01, IBM01, INS05, JFG10, JCL07, JP97, KR06, KV12b, KW10a, LCD07, LMR98, LHN96, L299b, LYL+11, LC05a, LC08, LT14, LKVW10, LD11, MKSG10, MMM+94, Mat95, MSM14, MZV09, Nvd01, Oet99].

Parallel-in-Time [HW14a].

Parallelism [BDO12, Min02, PQOB14].

Parallelizable [HLLT97].

Parallelization [WZSL12].

Parallelizing [HvdG96].

Parameter [AHD14, BGL06a, BP97a, BM00, CMK11, CCG14b, DKO12, FH06, Gra14, GS00, HVW95, Hv95, Kye12, LV13, LSZ11, LPP09, MNS07, MSW05, MPRW98, MSS10, Moo00, PS11a, Pic03, PMSB12, QX08, SV08a, Slo02, VV05, WG12, Yn01, ZS02, Boe93, Cai94].
CBS00, CJK10, GJ05, GJM94, GGKM07, GCB04, GM00a, GK13, HR96, HCRT13, IJT11, KZ00, LWG10, MS13, Reg96, RW13, SPKB13, SB05, TUV10, WE13, Wei99, YR12, Lin93. **Parameter-Choice** [CMK11].  
**Parameter-Dependent** [CBS00, TUV10].  
**Parameterization** [LMR97].  
**Parameterized** [BBBG11, CGI11, CW12, GLT09].  
**Parameters** [DD12, EHN12, GK12, HSB12, Jac03, JG02, LM14b, O’L01, PDC99, DG95].  
**Parametric** [AF11, ACW12, BGN08, BPS14b, BTWG08, GY09, HHM07, KS11, LQR12, LS13a, TZ14, TB02].  
**Parametrized** [DLY14, Ded10, DHO12, EPR10, GV07a, IA14, XJ13, NRMQ13, Zim14].  
**Parareal** [DM13a, GV07a, GJSZ13, LLS13, MSS10].  
**Paraxial** [CJ95, QL06].  
**Pareto** [vdBF08].  
**Parity** [BLM03].  
**Part** [ABBM98a, ABBM98b, ABC00, BG05a, BG05b, GS02b, KGGS10, Red99, dSL05, BTGMS13, Bur13, Bur14, DSZ13, GOS12, GGS08, GS02a, LRP07, LP08, Lee10a, PMSG14, ROO08a, ROO08b, Sta07, SM07, YZ07, YZ08].  
**Partial** [BCS07, BJNN02, BHW99, BOPGF06, CB98, CCG14a, CCG14b, CRV13, EPR10, FMR13, FWA+11, FGH+08, HJ98, HO94, HO96b, HV95, HV95, HHU7, HG00, HV04, Lee14, LPR08, Lz13a, LCH90, MR09, MB00, Pul08, RWX07, Sch98, WH13, XC13, You04, YR12, bZOW07, AGC96, EL93, FGM95, Gre93, HHRV93, Wri93].  
**Partially** [BK04, SX11, DLG97].  
**Particle** [BP13a, BB08a, CB98, CP13, FDS13, GS00, GS02a, GS02b, KKP14, Kus00, LHL12, MW03, PW12, PP13, SRS12, Sch09, Shao3, SCo2, Str02b, TKCC13, TK13, WMC11, McC95].  
**Particle-in-cell** [WMC11].  
**Particle-Partition** [GS00, GS02a, GS02b].  
**Particles** [St11].  
**Particular** [Bet08].  
**Partition** [FFSS13, GS00, GS02a, GS02b, Sch09, Sch13, YSZ14].  
**Partitioned** [HP94, Jay98, RM08b, Zbi11, CS97].  
**Partitioning** [AKA13b, AA14, tVCAU10, ČAK11, CCS97, DS00, GMT98, GS05, HL95, HK00, KK98, KPC12, RP01, SDNL10, Ten98, UA04, UA07, VSS14, WC00, WZSL12, XA99, YB09].  
**Partitioning-Based** [ČAK11].  
**Parts** [BCB09, Che05, OWO14, ZSD+10].  
**Pass** [CCF14].  
**Passage** [AM05, Lan94].  
**Path** [KK98].  
**Path-Constrained** [KB08, RP01].  
**Pattern** [HTK01, ZF11, KV13].  
**Patterns** [Cho00, LCB07].  
**PCG** [NSJ03].  
**PDAE** [MB02, NP08].  
**PDE** [AB08a, ALZ14, BPS13b, BG05a, BG05b, CPR11, GGOY02, GV07b, GHS14, HL10, KHRvBW13, KHRvBW14, PMSB12, PBC05, PC07, RDW10, Smi97, YZ05, Yav93].  
**PDE-Constrained** [GHKS14, KHRvBW14, BPS13b, BG05a, BG05b, GV07b, PBC05, PC07, RDW10].  
**PDES** [LM00, AAI98, Bjo95, BWZ10, DO11, EV13, GM14a, GS00, GMP06, HG98, HW14a, HCR13, HO96a, Ho199, JZT08, JGZ06, Lui00, MNS07, MNvST13, RKvdDA14, TV98b, WG12, Cas02, DMM04, FMR06, KT05, KS11, LZ01, Sem10, VV05].  
**PDF** [BK04, CVK13].  
**PDF/Monte** [BK04].  
**Peaceman** [CHKM13, CLST03].  
**Peak** [ZS10].  
**Peano** [WM11].  
**Pedestrian** [Ch07, GM13].  
**Peer** [WK10a].  
**Penalty** [BLP14, BB08b, Hes98, HR99b, Kla98b, Kla98c, PEC+14, WWY11, YJ13, CGP93, HG96, Hes97, LCW95].  
**Penalty-Based** [YJ13].  
**Continuum** [Sha12].  
**CR** [GT94].  
**DAES** [Bar05].  
**Element** [ZLLT13].  
**Explicit** [DMD+12].  
**FDM** [BC06].  
**Field** [CCCZ10].  
**Hamiltonian** [MW01].  
**Impulse** [MS03].  
**Lanczos** [GT94].  
**LES** [Hof05].  
**Level**
Multigrid [AL02]. Quantized [DKO12].

Reliability [SE13]. Pencils [FSdV98b, MW01, Ruh98]. Peng [QS14].

Perfectly [AKLP10, AH09, BHNPR07, CM98c].

Performance [BS07, BDJ05, CPV95, Cas02, CM97, CDPC13, DMPV08, DHHR09, EKM94, EG93, FFMT96, GG10, HLD12, IHTR12, LNA+11, PPB13, PF94, Rot96, SLvdkGK14, SRS12, SH14, SC98, TGS08].

Periodic [AP14, Bit99, BBT11, Coa12, CD06, ELitHR00, GJSZ13, GM00b, HJMS07, HSSZ09, KL12, LR98, PMSB12, SH06, TP09, XYGO01, BR95, Pet93]. peristaltic [TR93].

Permutations [May08]. Permuting [AKA13a, AP C04].


Pharmacokinetics [AHDK14].

Phase [AHR12, BCT05, BH11, BBSN08, CS94, CCER12, CL97, CDB13, CG96, DZ08, FL08, HHW00, JW08, LdMV12, LR12, LXs+08, MK96, PT99, PP12a, QS14, SY10a, SY14, SO09, TK13, WC03, WMC11, WMC12, WGF08, LV94]. Phase-Field [SY10a, SY14]. Phase-Flow [JWH08].

Phase-Lag-Order [PT99]. Phase-Space [WMC12, WMC11]. Phenomena [CM09, EW00, OPRB06, Str09, WG00]. Phenomenon [Ban08b]. Phillips [FM99].


Physics [BS04, GGK+04a, HL10, HKD13, NK13]. Physics-Based [NK13]. PIC [TKCC13].

Picard [LR98, PMSB12]. Picard-Based [PMSB12]. Piecewise [AHH06, AC95, BC08, BC09b, DZSN09, HCRT13, Hel11, LNS96, Mar94, Ser06, SL09b, SW10b, Wil09, vDA12, Atk94, Bia94].


Pivots [May08]. Pixels [HLMR96]. Plain [GL+14]. Planar [Bar14, EL01, EL03, GGM01, JLY08, LC05a, LC08, GGM01, JLY08, LC05a, LC08, MCT+05].

Planck [LM05b, DKO12, KP10, Kus00, LY14].

Plane [BM11, BR14, HY14, HSSZ09, LDM00, MK96]. Plane-Wave [HY14]. Planet [KY14]. Planetary [LP08].

Planning [EKM94]. Plasma [BHB04, HL10, KM98, PH13, SNB08].


PlayStation [NKTy08]. Plumes [PL06].

Plus [TTV11,VD10, CN93, NP10]. PML [PDTVM08]. POD [LV13, SPKB13, TVV11]. Poincaré [LDS11, Nat95, Nat97].

Point [ACCO00, And99, BSSW13, BHT09, BM01b, CWC08, CZ13, CD01, CSW10, CFM98, DH03, DTV13, DW05a, DGSW10, Drm97, For06, GV12, GHKS14, HM98, IM98, KBV09, KS94, KK02a, Kla98b, Kla98c, Krz01, LG97, LZh13a, LJo3, LSS03, LW04, MR09, Pla98, PBJ+96, RG07, RH09, ROO08a, ROO08b, ST14b, SY08, VCO0, Van00, Ver96, WLE+00, WW03, ZYS05, ZH09, dMHJM00, Hig93].

Points [BLS14, BR14, Der08, EÜ09, GKI2, Gro02, KM05, LCS01, LZ01, LZ02, MRSS14, PHJ11, Swa02, TT06, XZY14, YZ05].

Pointwise [Cai95]. Poisson [AL99a, AIV98, ABI00, AO93, BCR11, BG10, BK10, Bur97, CCM05, CKS01, EG01, FDS13, GHST98, KO13, WMC12].

Poisson-type [AO93]. Polar
Problems [LP90, LM09, LS13a, LV10, LG97, Lee13b, LN05, LI01, JL12, LLZ08, LM14, LQX14, LWG10, LQ13, LW13, LQ03, LT14, LW04, LB05, MS07b, ML13, MAB07, MS07d, MG11, ML01, MV04, MWBG12, M101, MS06a, MG12, MM05, MN00, MM08, Mu09, MH09, NH01, NR03, NR09, Nv00, N07, Obe13, OB08, OL05, OW98, PL03, PE00, P1K13, PK13, Pat97, PW12, PA08, P09, P00, P01, P03, P05, PS99, PM01, PET05, P06, PS01, P02, M101, MS12, PR11, PV94, PV95, P1C05, QX08, Q1Z14, RP01, Reg96, RW07, RW13, RS03, RL13, RS03, RK1D14, R1S208, SP03, SG11, Sch02, SB08, SI10, SB08, SL02, SK05, Sta97, Sta00, TT06a, TVU10, Tsy99, UEE12, VMM13, VC00, VSBH09, V094, VPP05, Wa99, WL04, WR13].

Procedures [AX12, BC01, BF12, BF11, IT09a, PS06b, SZ00, SB98].

Processes [AM08, B1D12, D1N04, DN07, EFHL09, LF008, PS13, ZK14c, Z013].

Processing [BC09, BCM05, GMS02, HK00, Hen05a, K1M14, LRT11, RSA05, SP03, WH0x13, WB0909].

Processor [CFM98, OA93].

Processors [KHW14, H1A95].

Procrustes [BL99, BL03b].

Produce [BL03b, BR08, KK08, LM99].

Profile [DHHR09, H1A92].

Programs [CFM98, H1R13, FL10].

Projected [EHN02, GRM09, KS10, MT09, SB01].

Projection [ABC00, AAM01B, BJ01, BB08, BB1, BM09a, B0D5, C1F11, CE09, CN09, CRT11, E0A11, EN08, GH13, GW03, HB07, KMR01, KHE07, M009, NT13, T1Z14, TV11, Y1R12, A0B96, ABC097, CW97, LL98b, Su09].

Projection-Based [EN08, KHE07].

Projections [GG05, JK08].

Projective [GK03, LS12a].

Projectors [HNS08].

Prolate [KL0+06].

Prolonged [SB08].

Proximal [OS95].

Proximating [DBC13].

Propagation [ABC02, BL00, BCS01, CG06, DR13, GW04, GM04, HL1Y3, KMA12, KPL13, LS05, LOL13, LO14, Min02, PK1D13, SK1+13, TLT12, Tra95, ZL109, Z00].

propelled [GH14].

Proper [AK04, CBS00, IW14, RV02, T1N14, ALT93].

Properties [DMM005, GG94, GG95, LL00, LB06, MS04, MR02, TG04, WL11, WB09, dBM91].

Property [VS03, Z005].

Protein [XJS13].

Provably [Ten98].

Providing [Yam02].
[BJ01, BvW09, BCV13, EPSU09, GS14, Hri03, Hri05, IK10, JKL12, KKV13, LSW02, Lan94, LK04, MNvST13, MC94, PS12, SM94, SG04, TZ14, TC04, UEE12, Ver96, WR13, W12h, XHO5, XT06, YCZ13, YR12, ZS04, LL94, YGCP96]. Random-Sampling [BCV13]. Randomize [BSHL14]. Randomize-Then-Optimize [BSHL14]. Randomized [CRT11, CWD13, LL03b]. Randomly [EMT09, LZ04]. Rank [AP01, Bor07, CGMR05, DM13b, FWA +11, GNL14, GOS12, GE96, KSU14, LS13b, Pen00, PRM97, QOQOP99, SZ00, VD10, Wan97, vNLB04]. Rank-Deficient [PRM97, QOQOP99, Wan97]. Rank-One [AP01]. Rank-Revealing [GE96]. Ranking [AP01, Bor07, CGMR05, DM13b, FWA +11, GNL14, GOS12, GE96, KSU14, LS13b, Pen00, PRM97, QOQOP99, SZ00, VD10, Wan97, vNLB04]. Rank-Deficient [PRM97, QOQOP99, Wan97]. Rate-Based [AdVC00]. Rates [BF13, Kol99, Red99, Ros05a]. Ratio [Bar12b, Le 01]. Rational [BM01b, BHK14, CMM95, DP07, DKZ09, DLZ10, FS08, GVMM14, Ruh98, TT06, WMM13]. Ratios [DV98, GST12]. Raviart [Arn07]. Ray [GHS +09, KLS08, LB06]. Rayleigh [HvdV03, Ste02]. Rays [SCM10]. RBF [KW11]. Reaction [BHK12, CLST03, CDG +09, DMD +12, EFHL09, FDE +06, GHH07, GKL13, HG98, HKF +13, KKB +08, KWW13, MSP09, PD09, PS08, PS13, RC06, SDNL10, SP04, SM94, TTS08, TK13, TM14, VS04, WL01, ZR12]. Reaction-Diffusion [BHK12, CLST03, EFHL09, FDE +06, KKB +08, MSP09, PS08, PS13, RC06, SM94, TTS08, TK13]. Reaction-Induced [KWW13]. Reactive [APvDG12, Dor98, KWW13, MMS05]. Reactor [BK04, Zas95]. Real [DH01, GG09, HLT197, In99, LZ99a, LM14c, Rav05, WKL06, Zhe07, BZ96, LL94, Pal93, Tre97]. Real-Time [LM14c, Rav05]. Realignment [IT14]. Realistic [BBR08]. Reality [HvdG96]. Realization [BTY08, LT09]. Realizations [PSDF12, SD10]. Rearrangement [Wal13]. Recipe [tVCAU10]. Recirculating [OW00, BY93]. Recombining [BFM95b]. Reconstruction [AG110, ADH99, AS06, ABB +04, BV03, Bar12a, BNFS13, CCSS03, Che05, CJN13, CGMV05, DGP10, DBO7, DF03, GN14, GJ05, GB12, GHS +09, HLMR96, Jao03, KTB14, LF13, LFJS14, Mar94, NWY10, SH14, TBKF14, WY07, WDGK95]. Reconstructions [AS05, M103]. Recovering [AIL05]. Recovery [AH06, BS08, DCSO10, LCBD07, NZZ06, NWY11, NN05, NUT13, PABA11, ZN05]. Rectangular [AIV98, AP04, BACF08, BF06, CKV99, HK00, Sar08, UA04, VN03]. Recurrences [BF01, FN94, RG98]. Recurrent [Wan97]. Recursions [GD03, LC96]. Recursive [AKA13a, HG12, NS03, Rub12, ST97, TP09, ZTRK14, NP96]. Recursive-Based [NS03]. Recursively [DMSW10]. Recycling [AdSGC12, KdS05, PaSM +06]. Red [Yav96]. Red-Black [Yav96]. Redefined [Lan12]. Redistancing [EE14, NKM10, SF99]. Redistancing/Level [NKM10]. Redistributed [AD06]. Redistribution [KY05, MRS14]. Reduced [AF11, AK04, BGL06b, CHMR10, CST +13, Ded10, DHO12, EPR10, GV12, G99, GM11, HSZ12, KP10, LQR12, LM14b, LM14c, MR04, MS13, NMQ13, OS14, PS10b, Rav02, RMC12, San10, SDNL10, SPKB13, SHP07, VP14, WM05, WSH14, XBC96, Yan14, Zim14]. Reduced-Order [AF11, BGL06b, GM11, ML14b, LM14c, Rav02, SPKB13, SHP07, WM05, Zim14]. Reducing [AGL10, CWC08, ÇAK11, YL93, Lan93, SS93]. Reduction [AdSGC12, ABST13, AP97, ABT14, BS05a,
\[ \text{ANP00, BAFF00, CCSS03, DHE13, DMD}^{+12}, \text{FHL13, FM07, Gob08, HBL05, Kup98, LdMV12, LNP}^{+07}, \text{LS95, LFB13, LOL13, LT00, MR02, PL06, Ros06b, TW05}. \]

\textbf{Resolving} [TT96a, TGS08]. \textbf{RESPA} [MIS03]. \textbf{RESPA/Impulse} [MIS03].

\textbf{Response} [BTGH12, CVK13, RS13, SSDN12]. \textbf{Response-Excitation} [CVK13]. \textbf{Responses} [Cab94, Lin06]. \textbf{Resputtering} [GST+99]. \textbf{Restart} [KLY07, TE07]. \textbf{Restarted} [ARMNW10, BCR03, BR05a, CGL+12, DCP11, EPE05, FG98, JN10, SSW98, VL10]. \textbf{Restarting} [BGH13, GGPV10, Mee01, Mor02, MN11, RF07, SSW98]. \textbf{Restoration} [CCSS08, CGM99, CMM00, CJK10, EK10, FNNB05, FY05, GRMS09, HLZ13, LFB13, LOl13, LS95, LOL13, LT00, MR02, PL06, Ros06b, TW05].

\textbf{Restoration} [MIS03]. \textbf{RESPA/Impulse} [MIS03]. \textbf{Restarted} [ARMNW10, BCR03, BR05a, CGL+12, DCP11, EPE05, FG98, JN10, SSW98, VL10]. \textbf{Restarting} [BGH13, GGPV10, Mee01, Mor02, MN11, RF07, SSW98].

\textbf{Restoring} [NO98]. \textbf{Restricted} [CS99, CL11, LS05a, PC07, SCGT07]. \textbf{Restriction} [CCV14]. \textbf{Result} [Van00]. \textbf{Results} [ABBHM98b, CLMM00a, CLMM00b, CKS01, FGMP13, FMM98, HR99b, KP07, LMPQ03, LZ02, VW98, MT97a, NCV06, FGMP14a].

\textbf{Resurrecting} [Ros96]. \textbf{Retarded} [GJ07]. \textbf{Retrieval} [EBSS+11, KBV09]. \textbf{Revealing} [GE96, SWW08]. \textbf{Revenge} [Den97a]. \textbf{Reversibility} [CK07]. \textbf{Reversible} [BLR99, Cas05, HS97, HS05a, KLO0b].

\textbf{Revisited} [Day98, IHTR12, SCDM+10, LZ94]. \textbf{Revisiting} [Ban08b, CWF+14]. \textbf{Reynolds} [BY93, DHE13, KV05, NH12]. \textbf{Reynolds-Averaged} [DHE13]. \textbf{Rham} [Kir14, PV08]. \textbf{Riccati} [BGL08, BSSW13, Gar97]. \textbf{Riccati-Based} [BSSW13]. \textbf{Richards} [BLS14, BCV13, CZ10]. \textbf{Richardson} [Bia94, BGH13, PP12b]. \textbf{Ridge} [LTC13].

\textbf{Ridgelet} [MF06]. \textbf{Riemann} [BLC97, BMSV97, DW97b, EOD93, GGK+04a, Gur04, Hwa07, LL99, LL09a, MV06, SREG93, Tor12]. \textbf{Riemannian} [QZ14]. \textbf{Right} [ARMNW10, BCC198, CGL+13, CB98, HR05, KMR01, LN04, MN11, SG95, SO10, CW97]. \textbf{Right-Hand} [ARMNW10, BCC198, CGL+13, HR05, KMR01, LN04, MN11, SG95, SO10, CW97].

\textbf{Rigid} [BBBV13, BCF01, CFSZ08, JvGVS13, TUV10]. \textbf{Rigid-Body} [BBBV13]. \textbf{Rings} [HRV11]. \textbf{Risk} [GJM94]. \textbf{RISOLV} [TET10]. \textbf{RKDG} [CLL13, DY06]. \textbf{Robin} [ACF09, GKL2, NV08, QX08]. \textbf{Robinson} [QS14]. \textbf{Robot} [EKMM4]. \textbf{Robust} [AKM+14a, BCT00, BT03c, BDvdG05, BR05b, BLGL11, Bol03, BB09, BGMR01, GL03, GGLT00, GG05, GKT09, Jou94, KR14, KL12, wLxY00, MM13, Oct99, OR02, OGO13, PBP14, Slo02, WL97, WCS00, Wan07b, WWY09, Wat04, WGF08, ZS04].

\textbf{Robustness} [CFH+00, HJ98, LMR98, Man95, WI12a]. \textbf{Rock} [GYZ11, AC08]. \textbf{Rod} [LFWP08]. \textbf{Roosbroeck} [Gär90]. \textbf{Root} [CGS02, GGM01]. \textbf{Roots} [BVM05, GLR07, Goe94, KV96, KM05, LXY08]. \textbf{Rosenbrock} [TS14, VSBH99]. \textbf{Rotated} [HBL05]. \textbf{Rotating} [BLS09, BMTZ13, CLP08, GP96, TC12, WAS94]. \textbf{Rotation} [BL07a, DK10, GD03, KV12a, Lan98, MIt08, OR02].

\textbf{Rotation-Based} [Lan98]. \textbf{Rotational} [BBBV13]. \textbf{Rotationally} [SK05]. \textbf{Rotations} [Drm97, GV13]. \textbf{Rotor} [XYZ05]. \textbf{Rough} [EL03]. \textbf{Rounding} [RW97, ROO08a, ROO08b, ZH09]. \textbf{Row} [GG05, Oli01, Dax93]. \textbf{Row-Merge} [Oli01]. \textbf{Rules} [Alp99, CKN06, GM98, LL03b, MC05, Str95, WSO6, Wan07b]. \textbf{Run} [HR98a]. \textbf{Runge} [AGC96, AGH00, BR09, BPR13, BW10, CSS93b, CHAMR06, CGAD95, Cas05, EM96, HMR09, Jay98, Ket08, MNS07, McL07, MRS14, OS98, PT99, PR05, PKD13, Pat97, QSO5a, QSO5b, RM08b, SS93a].
TVA02, TLT12, TP99, VV05, VS04, Zbi11].

Running [DP09]. Runs [SSDN12].

S [AC08, PM03]. S-ROCK [AC08].
S-Transform [PM03]. SA [BFM+04, BMM+10]. Saddle
[SBSW13, DW05a, DGSW10, GV12, IM98, Kla98b, Kla98c, Krz01, LSS03, LW04, PHJ11, RH09, ST14b, WW03].

Saddle-Point
[DW05a, DGSW10, LW04, RH09, ST14b].

SAI [MG09].

SALSA [FLM+05].

Sample [KL94].

Samplers [FP14]. Sampling
[AHKD14, ABCP08, BSHL14, Bon01, BCRV13, CS14, CHM02, DGS08, EBSS+11, LLZ08, LLZ09, MTM08, Mit08, PF12, PHJ11, Sch0, Wall14, WIl12b, ZWH+14]. Sandpiles [FV06]. SART [IJ08].

SASS [AC08, PM03]. Saturity
[ACdS+11, AMH12, BPS+14a, SJD14, Kor93]. Saturated
[FK97, SCM10, Sta00].

Saturated-Unsaturated [FK97]. Savart
[PRM09, Ros06a]. Saxton [XS08]. SBP
[Gas13]. Scallability [CFH+00, HJ98].

Scalable [BMP14, BWG11, KMA+12, KPPS14, MZW09, MPS09, OKF14, PL12, Sch0, WLX+13, XOMN10, YC14]. Scalard
[ADR14, GGS08, Mar94, NMAB11, TLE12].

Scale
[BCR03, BS05a, Ban08a, BSSW13, BHT09, BTY08, BB05, BCL99, BTWGW08, BTH12, CEJ+10, CN10, CSW10, DJT08, DKZ09, EHL06, FWA+11, FB95, FGH+08, GM00a, HPS08, KV13, LT09, LWGG12, MBG12, OPR06, OKF14, KPR+13, RS02, RM08a, SBR06, SWW08, SWW12, Sim07, VMG09, WM05, WT01, YPN+01, YGB+05, YMM14, BHP94, CV12, ST94, TW03].

Scale-Bridging [PKR+13]. Scale-Free
[KV13]. Scaled [GM014]. Scales [RDP08].

Scaling [ACdS+11, AMH12, BPS+14a, SJD14, Kor93]. Scanned [KTB14].

Scanning [BC06]. Scattered
[KP07, LLHF13, LR99]. Scattering
[AIL05, BL03a, BS05b, BB10, BC06, BHNPR07, BCH12, BS06a, CGM00b, CHM02, HV07, JLY08, LAG14, Lecl10a, LLZ08, MG07, MZ94, NS06, PS10b, Rah00, RZ03, ZB12, MM+95, WM93]. Scheme
[ANP00, Aru12, AR99, ABB+04, BM11, BCT05, BM08, BCF12, BF06, BHK12, CCFP12, CFR05, CH94, CJ05a, yCWHJ12, CG96, CPR11, DW97a, DW98, DY06, Dax03, DKKP14, DB07, FF05, FC12, GLL01, GB06b, GG05, HCRT13, HJP04, HRS12, HLW13, JS10, KK98, KQW04, Ky98, Kup01, KL00a, LNP+07, LM08, LPR02, LSV13, LXL11, MAB007, MS06b, ME09, Nat98, Pet01, PJ06, QS08b, RO03, Ros96, SZ06, SY08, Sla02, VS04, WL97, WDE+99, Wan04, WM11, Xu99, YJ13, Yu01, dLRT09, McG95, ZSpH14, NBA+14]. Schemes [AB02, Abg09, ADR14, AKPR08, AD06, BGL08, BLH02, BT06, BBC01, BAFF00, BM08, BC13, BPR99, BP12, BS04, BM10a, BM10b, BH08, BR09, BPR13, BHT11, BC99, BL03c, BL05, BC13, CFGM11, CPPR12, CHK13, CM008, CGK13, CLAT10, Chr09, DMBB10, DEP11, EF05, FGS14, FM11, FSDV98a, FM13, FEM08, GB12, HOY03, HS05b, HSWW08, HPS06, Hes98, ILK05, JL11, Jia14, JT98, JP00, JSZ13, JX13, Jin09, JW13, KS14, KW10b, KNP01, KPP07, KPS09b, LdMV12, LS12a, LE10, LV13, LL08a, LDS11, LV10, LM05b, LM12, LPR00, LNSZ06, LI01, LN03, LT00, LW03, LS11, LPS13, LY14, LP03, Lu95, MV09, MNS07, MB13, MMS05, MR01, NN03, Nor07, OL98, PPR05, PKD13, Pet05, PP12b, Pup03, QS03, RU01, Roe98, SL11, ST14a, Se95, SY14, SY09].

Sciences
[Ste00, Sur00, TB99a, TW05, Tor05, VN03, VS03, WL01, WBFA09, Win10, YH07, ZS03, ZLS12, ZW03, ZFZ14, ZLJ06, BHH7, Hes97, LKH3, SS93b]. Schmidt
[CCJ07, GL03, Ste08]. Scholes [iW11].

Schrödinger [ADKM03, ABK11, BJM03, BCM11, CCG14a, CCJ07, CRV14, F99, GRPG01, KL13b, Liv08, ZSpH14]. Schur
[BS05e, BG05a, BG05b, Bla03, CGL01, DS05a, FCR93, HSF07, Kra12, LS05a, MG11, Mdl07, MRT00, MMA98, OV07, PE00, PSLG14, SS09, WB09], Schur-Type [PE00], Schur-RAS [LS05a], Schwarz [And08, ADM10, BT03b, Ban08b, BGOD08, BC10, Bre00, Caf94, CGK**98, CS99, CL11, CC12a, DK11, DGGG09, EDGL12, GMN02, GR05a, GK12, Gar96, GKV00, Gar05, GH99, GC97, HR07, Li94, Lui00, Lui01, Mar09, MP309, PZPR07, PS08, PS11a, PBC05, PC07, QX08, ST00, SCSGT07, ST96, TDTF03, WB99, WH13, Zha94]. Sci [BEM94]. Science [JKR08]. Scientific [KP03, SS03]. Score [Ng94]. SDE [GS14]. SDP [BT08, LT09]. SDP-Based SDP-Based [LT09]. Search [GKL08, HT01, LST07, OW02, Wan13]. Searches [COS06]. Second [AVZ13, BS05a, BGN07, BL07, Cas05, CM09, DM13a, Del14, DG09, DAE02, DCM14b, EIL01, GBCT10, GY05, GLT09, HW13, HL09, HH11, KM11, KP09a, KO05, KP05, Kup98, KL11, LP11, LN03, OB05, RL10, RM08a, ST03, TAV02, VSBBH99, Vl14, ABCR93, Atlh94, She94, She95]. second- [She94, She95]. second-kind [ABC05, S203]. Second-Order [BS05a, BL07, CM09, DM13a, DG09, DAE02, DCM14b, EIL01, GBCT10, GY05, HW13, HL09, HH11, KM11, KP09a, KO05, KP05, Kup98, KL11, LP11, LN03, OB05, RL10, RM08a, ST03, VSBBH99, GY05]. Section [Ben13, GH07, KY14, TBC**11]. Securities [IT14]. Sediment [BS09]. Sedimentation [BRBT12]. Sedimentation-Consolidation [BRBT12]. Seeking [Sta07, SM07]. Segmentation [CMSS06, DMN08, LB07, LB08, ZC106]. Segregated [GNOR14, HSF07]. Segregation [Boz09]. Seidel [AM95, Day98, Ver94]. Seismic [AKM**14a, BTGMS13, MWBG12, PDC99, vLH14]. Selected [LYL**11, dVL10]. Selection [AdVC00, CZ13, MS07a, Wei99]. Selective [GL03, RT10]. Selector [WY12]. Self-Bou01, De 12b, GHK14, LY13, PDTVM08, WMU13, Sta97]. Self-Adaptive [PDTVM08]. Self-Consistent [LY13, WMU13]. Self-Learning [De 12b]. Self-propelled [GHK14]. Self-Adjoint [CPV95]. Semantic [ZS99]. Semi- [AL99, ACFO9, BT06, BCT05, BP13a, BF14, CF07, CMS06, GRL10, HMR09, KS13, LL02, Lay03, MO10, RG09, RLM**+00, dFL05, HO96a]. Semi-Discrete [BT06]. Semi-Implicit [AL99, ACFO9, CMS06, GRL10, HMR09, LL02, MO10, RG09, BCT05, KS13]. Semi-Lagrangian [BP13a, BF14, CF07, LL02, Lay03, RLM**+00, dFL05]. semi-Toeplitz [HO96a]. Semianalytic [MS07a]. Semicircular [HO94, HO96b, HB00]. Semiclassical [BJ03, BG07, FGL09]. Semicoreasing [BF00, Den97a, Sch98, WO98]. Semiconductor [ANP00, BG07, GJ08, JW13, Kla98a, Kla99, MT96, RWA95, Sar98]. Semiconductors [BJ08, CCM05, DJ00, HJ03]. Semiconvergence [EHN12]. Semidefinite [Gr94, ST14a]. Semidiscr [BP13b, KP12b, KL000, KN01, KP07]. Semilinear [B1Z10, BW99, C05a, L01, ST00, WGT14, Xu94]. Semiorthogonal [St02]. Semiseparable [WLX**+13]. Sense [BW96]. Sensing [KBV09, YZ11]. Sensitive [Hwa07]. Sensitivities [AL07, GK13, MNBK10, MM14]. Sensitivity [Bar05, BBR04, BV00, BBC07, CLPS03, CKL11, GV07b, GM000, KS01, TB02, WTWB09, ZPE12]. Sensor [GS12]. Sensor-Location [GS12]. Separable [BGM09, BF95, C10, RT99, dRMZ11, DL07]. Separation [HCHS13, SX11]. Separators [KP03, MT09]. Sequences [BRZ14, HHLH100, JK08, MC94, NHSS13, PdSM**06, PV08, TT07, Pel93]. Segments [CMSS06, DMN08, LB07, LB08, ZC106]. Segregated [GNOR14, HSF07]. Segregation [Boz09]. Seidel [AM95, Day98, Ver94]. Seismic [AKM**14a, BTGMS13, MWBG12, PDC99, vLH14]. Selected [LYL**11, dVL10]. Selection [AdVC00, CZ13, MS07a, Wei99]. Selective [GL03, RT10]. Selector [WY12]. Self-Bou01, De 12b, GHK14, LY13, PDTVM08, WMU13, Sta97]. Self-Adaptive [PDTVM08]. Self-Consistent [LY13, WMU13]. Self-Learning [De 12b]. Self-propelled [GHK14]. Self-Adjoint [CPV95]. Semantic [ZS99]. Semi- [AL99, ACFO9, BT06, BCT05, BP13a, BF14, CF07, CMS06, GRL10, HMR09, KS13, LL02, Lay03, MO10, RG09, RLM**+00, dFL05, HO96a]. Semi-Discrete [BT06]. Semi-Implicit [AL99, ACFO9, CMS06, GRL10, HMR09, LL02, MO10, RG09, BCT05, KS13]. Semi-Lagrangian [BP13a, BF14, CF07, LL02, Lay03, RLM**+00, dFL05]. semi-Toeplitz [HO96a]. Semianalytic [MS07a]. Semicircular [HO94, HO96b, HB00]. Semiclassical [BJ03, BG07, FGL09]. Semicoreasing [BF00, Den97a, Sch98, WO98]. Semiconductor [ANP00, BG07, GJ08, JW13, Kla98a, Kla99, MT96, RWA95, Sar98]. Semiconductors [BJ08, CCM05, DJ00, HJ03]. Semiconvergence [EHN12]. Semidefinite [Gr94, ST14a]. Semidiscr [BP13b, KP12b, KL000, KN01, KP07]. Semilinear [B1Z10, BW99, C05a, L01, ST00, WGT14, Xu94]. Semiorthogonal [St02]. Semiseparable [WLX**+13]. Sense [BW96]. Sensing [KBV09, YZ11]. Sensitive [Hwa07]. Sensitivities [AL07, GK13, MNBK10, MM14]. Sensitivity [Bar05, BBR04, BV00, BBC07, CLPS03, CKL11, GV07b, GM000, KS01, TB02, WTWB09, ZPE12]. Sensor [GS12]. Sensor-Location [GS12]. Separable [BGM09, BF95, C10, RT99, dRMZ11, DL07]. Separation [HCHS13, SX11]. Separators [KP03, MT09]. Sequences [BRZ14, HHLH100, JK08, MC94, NHSS13, PdSM**06, PV08, TT07, Pel93].
Sequential [AL97, AL99b, BDHS10, CGDD11, DGH12, DTV13, HS99a, LLL08, OK13]. Serial [LSW02]. Serially [CDY07b]. Series [BS98, Bar09, Bar05, FO08, HT14a, HCHS13, Hor10, IK10, RO12, WM05]. Set [BP13a, BH11, CO10, CGS02, CDN13, Cho09, FM07, GKL08, HS08, KP11, KS13, LST07, MO00, MO10, NM10, PSDF12, QL06, RS00, SF99, TKW08, Wen10, ZJX14, ZCI06]. Sets [CWD13, FD03, HMST11, LZ13b, MDC08, NX13]. Setting [OW02]. Several [EKM94, LW03, vD03, HHRV93]. Shadowing [CV94, HJ07, Van95]. Shah [DMN08]. Shakhov [CLQ12]. Shallow [AK09, ABt+04, BBSV10, BM08, BP12, BL05, CLP08, FS01, FM11, HK02, KP09b, Lay03, Le 05, LRP07, LP08, LDB11, Mar09, MSL08, RLC08, RLM+00, TC12, YCC10]. Shallow-Water [BP12, CLP08, Le 05, LRP07, LP08, LDB11, RLC08, RLM+00, TC12]. Sham [LY13, YMW07]. Shape [BCH12, CC12a, CDN13, CGM05, DD12, DMR08, GMV99, HT13b, HS06b, Haz08a, Haz08b, vdBvBb10b]. Shape-Linearization [vdVBb10b]. Shapes [DCS010]. shared [NP93a]. shared-memory [NP93a]. Sharp [BFSN08, ZD09]. Sharper [Van00]. Shear [GT98, TW96]. Sheet [BN98a, BSA13, Nt99, PMSG14]. Shell [LCH99]. Sherman [BCMM03]. Shield [ST03]. Shift [LPS10]. Shift-Invert [LPS10]. Shifted [BdSM11, FG98, SBK13, WWJ12, vGEV07]. Shifting [Wt94]. Shifts [DKZ09, DLZ10]. Shock [CC08, DW97a, FL97, GGGK+04a, Hwa07, Men94, WL97, Wu99]. Shock-Induced [CC98]. Shooting [CG14, HM10a, Lam97, Rán93]. Shortening [BM11]. Shot [CC12a, Gub96, Haz08b, Haz08a]. Shot-Noise [Gub96]. Shrinkage [BL08b, MF06, WYZG10]. Shuffling [Gre03]. SIAC [vSRV11]. SIAM [BEM94]. Side [BCCI98, CB98, SO10]. Sides [ARMNW10, BT03b, CGL+13, HR05, KMR01, LN04, MN11, SG95, CW97]. Sideways [EBR00]. Sierpinski [BBSV10]. Sigmoidal [Yun03, YK03]. Sign [BSS09, Gar97, RO008b, SQO02]. Signal [BS95, EK10, NN05, XZK95]. Signaling [SAE10]. Signals [BBR08, GG09]. Signed [ST14b]. Significant [Nik13]. Signorini [DEP11]. Silicon [BIO9]. SIMD [BPT93, CP95, KHW+14, MH95]. Simple [Abg09, BMTZ13, Bre96, Du11, GNOR14, HT14b, HS94, KV96, LH98, Mac98, PNP13, SA99, SvG08]. Simplex [Che05, WI2a, WI2b]. Simplices [Kir14]. Simplicial [Man95, Ols07]. Simplified [BH12, BRZ14, EIL+09, HZ10, LD05]. Simply [DP98]. Simulate [DR13]. Simulating [AL99b, MDC98, MM07, SAE10, WGF08]. Simulation [Ama98, AL07, BB13, BST08, BG07, BI09, BLGL11, BMM+08, CCM05, CLQ12, CM09, CC98, CLP08, CBCR14, CVE13, DN97, Dor98, EAS08, EFHL09, EdDP09, FFMT96, FL04, GHTW00, GY06, HA01, HK03, HPS08, Ho04, HSSZ09, JP14, KKB+08, KK02b, KP06a, KLT06, Ko04, Kös07, LL03b, LY98, LNA+11, NK13, NN99, Ökt05, PSTM08, PP13, Q514, RWA95, SB13, SCS04, SD11, TKW08, TK13, Ten98, WLK06, WX05, YC14, DS95a, MT97a]. Simulations [BBSV10, BHT14, BPS13a, CL03, CW06, CWG10, Don06, EHL06, FY14, GHK14, GST+99, Gob08, GM14b, Har08, HKS+04, HIJP04, IP06, JP01, KKP14, LJP09, LP04, LZ04, NK708, NH14, OKF14, PS10a, Ros97, RSHK11, SNB08, Str99, TTSM08, WPG13, ZSD+10, YGCP96]. Simulator [PYSG13]. Simultaneous
Simultaneously [CC10, ZGA10]. Sinc [LB11, RT11]. Sine [BDZ13, DI 97, Zhe07].
Sinc-Gordon [Zhe07]. Single [BS06b, CCF14, CS94, CJ05b, Far01, ZGA10].
Single-Needle [CS94]. Single-Pass [CCF14]. Singular [BS06b, CCF14, CS94, CJ05b, Far01, ZGA10].
Skew-Hamiltonian [MW01]. Skew-Hermitian [BGLY05, BGL06a]. Skew-Radial [JK10]. Skew-Symmetric [DLP05, Gas13]. Skinny [CGHT14]. Slab [AHT12]. Slant [GV09]. Slater [ISS06]. Slender [RS03]. Slip [BH00b]. Slt [Ama98, HT09]. Slope [MB13]. Sloppiness [vLH14]. Slow [LSU11]. Slowly [KKV13]. Small [AIL05, AILP07, BM95b, Bre00, BRW10, DW94, KL94, May08, MT97b, RW06, Ste11]. Small-Sample [KL94]. Smallest [BS05e, JN10, MB99]. Smith [Pen00]. Smoluchowski [FL04, MNBK10]. Smolyak [CM13]. Smoothen [AH06, BV98, Cho05, He111, Atk94]. Smoother [GNOR14]. Smoothers [BFKY11, LDM00, Yav93]. Smoothing [BGMR01, FJP99, HA08, JK11, LNS96, Ng94, RG98, TGC94, Woo94, Yav96, ZW94, Ena97, Gu93]. Smoothness [MRK13, CDMS+10, vSRV11]. Smoothness-Increasing [MRK13, vSRV11]. Snapshot [IW14]. Sobol [JK08]. Sobolev [DK10, GRPF01, NR98, RN95, Ste00]. SODEs [BRW10]. Software [AS94, EM96, HML+04, KMRW97, LKvBW10]. Software-Based [LKvBW10]. Soil [BLW14].  Solid [ASZ07, BK00b, BCG+10, LHL12, PRS12]. Solidifying [KVMK01]. Solids [CG96, Tra95]. Solitons [LC05b]. Solution [ABLS05, ADGM98, AP97, AL99a, ANP00, AB100, BS08, BCR11, Ban08a, BJNN02, BK98, BCC98, BK99, BL03a, BD04, BLM00, BS09, BSSW13, Ber88a, Ber98b, BMSV97, BK00b, BBC07, BIYS00, Bre99, BC99, BC08, BC09b, BWZ10, BBR08, BKS98, BTGH12, CKS01, CGL+13, CR04, CLPS03, CP05, DDD00, DKK14, DB94, DAEO2, DKO12, DKZ09, DSZ13, EAS11, EM99, EHW00, FL97, GLL+14, GHST98, GHN01, Gre93, GV98, GS00, GV97, HRT10, HG98, HT13b, HP94, HHL07, HLM03, IM99, JTT08, JZ00, KW07, KBK+08, KKF11, KO99, KMR01, LVWW03, LK94, LL98a, LLP98, LS13a, LV10, LM14a, LJ03, LLL08, MM13, MR09, MSW05, MPRW98, MT99, MHS98, OD12, PS13, PP05, QQOP99, Rah96, SBS98, SE11, SP02, Sta00, SJ14, TC99, TW95]. Solution [VMG09, WS95, WWM03, XK08, YVB98, YP98, Zhe07, ZS02, vWBV09, ABCR93, AS93, AO93, BZ96, BR95, BH97, BHP94, CDH97, LV94, MCJN94, PDNB96, SRCG93, TC97]. Solution-Based [Ber98b]. Solutions [APZ13, ADKM03, AA13, AHDK14, AGH00, Bet08, BK04, BV00, BS96b, BBT11, CEJ+10, CXY10, CK94, DTM05, DP03, Du11, Ema10, EThR00, FSO1, FL02, Gär09, GGK+04a, GI99, HX11, JPO8, KK02b, Kus00, LD03, LR98, MS07d, MRK13].
PL03, SBP04, SE13, SB05, SK05, SMN10, W XK04, Wat04, XYZ12, ZGA10, Zha96, vSRV11, vdBF08, vDA12, TR93.

**Solvability** [CG95]. **Solution** [BZ10].

**Solve** [CCF14, CFM98, FT03, GH13, Gar94, HP14, Hog13, PRS12, QZZ14, Sar98]. **Solved** [MG11]. **Solvent** [XJS13]. **Solver** [AAII98, AIV98, AMT10, BDJ05, BL04a, BACF08, BL07a, BG05a, BG05b, BCS11, BIA99, BIA05, CB08, CGG +14, DMS01, DW97b, DP10, EG01, Fie98, GM14a, GHST98, GS02b, Gur04, Hel11, Hen06, HG12, HG00, Hwa07, KZ00, KV12b, KL12, KR12, LAG14, LL08, LB12, MM14, MK08, MSM14, OR02, OW98, PK98, RT99, RLM +00, SBK13, TET10, Tor12, BV07, XJBS12, XOMN10, YC14, BCL97, EOD93, PTvR +14]. **Solvers** [AC04, AKS05, AGL13, BD99b, BH07, BMV13, CCER12, CDPC13, CRV13, DSO0, DMM04, DFN12, EGK94, EPSU09, FGMP13, FGMP14a, FFMT96, GGOY02, GR05, GB06a, GKS98, GS97, Hig94, HO96b, JSV10, KA95, KWO0, LM00, LL00, LT14, LC96, LGH +13, MO08, MS07c, MK5G01, MS06b, Mee01, PRR05, PPB13, PF94, PR96, RDW10, RV10, Sem10, SLC01, UEE12, BEM93, BMG94, CN93, JS93, Lie93, She94, She95, vd97]. **Solving** [ACW12, ACD95, AH04, BS07, BBS10, BK06, BT97, BGH +03, BI08, BHT11, BT13, BW96, BMNT14, BP06, CLW13, CH09a, CJH11, CZ10, CS96, CN99, CLST03, CMM00b, CHM02, DY06, DLY14, DN13, DH01, DJLZ96, DK03, EBR00, Elm98, Elm00, EPE05, FFS05, FMP06, FJ +11, FKW13, Gar97, GG03, HHE10, HZ10, Hol99, HVW95, HC98, HY10, HW09, IM07, JX13, KL13a, Kra09, KW10b, LV98, LCH09, LZ13a, MKA0, Meu11, MN00, Moo00, Mu99, NWY10, NvdP00, Ökt05, PE00, PL12, Puh08, RW01, Sina07, SvG08, SV11, SO10, VP10, WLX +13, WIO08, YCZ13, YDF97, YTL11, Yu01, ZLZ13a, Zha97, ZJC12, ZW03, CW97, LZ94, MT97a, PSB +06]. **Some** [AA13, BF01, BMR10, BDS98, BT00b, Cho01, Chr09, Gar00, GH02, Hue93, Jia99, Man95, MS04, Mic01, Moo00, OL98, PABG11, RST93, SM93, XQ94, DG95]. **Sonic** [BD99b]. **SOR** [BD05, DB08, GKH11b, RWA95, AXA99, Xie05, Yav96]. **Sound** [CC98]. **Source** [AGH00, CGK13, GHR12, GHR99a, HCHS13, JW05, SX11, WKM +07]. **Sources** [AKM +13, KBV90, WLE +00]. **Space** [BK99, BC09a, BRZ14, BDE08, BTWG08, BHR95, CSM94, CH02, CMM96, CCG14b, Day98, Dk00, DDT08, DT00, DMD +12, DB07, FDE +06, FM13, GS98a, GO06, GMPZ06, HP14, HWW00, HV95, CKB91, KS14, KYe12, M000, NHI23, NXDS11, PBC05, RF10, SV08a, Str94, TY08, TW05, WMC12, WB12, WGT14, YTL11, Yan14, Yu01, ZK14a, ZZ04, ZSpH14, AE95, WMC11]. **Space-Filling** [GMPZ06]. **Space-Fractional** [WB12, ZK14a]. **Space-Invariant** [BDE08]. **Space-Time** [BC09a, CH02, CMM96, CCG14b, FM13, GS98a, GO06, HP14, HV95, CKB91, KS14, KYe12, M000, NHI23, NXDS11, PBC05, RF10, SV08a, Yan14, Yu01, WGT14]. **Space-Times** [RF10]. **Space-Transformation** [HC98]. **Spaced** [Har11]. **Spaces** [MS13, MINT13, PF12, PV08, QZZ14, WI13, YZ05]. **SPAI** [JZ13]. **Spalart** [DHE13]. **Spanning** [PP97]. **Sparse** [AKA13a, AAG10, AK13b, AA14, ADL +12, AP04, BK07, BB08a, BGM13, BM95a, BMT96, BT98, BT00a, BT03c, BAS09, Bit00, BC13, Bör09, BV09, BS99b, BT99, BGGM01, BGM03, BG12, But13, CS99, CCAO3, tVCAU10, CS98, Cho00, CLN12, CV98, CKL08, CFM98, DS00, DLP05, FS11, GN14, GLS13, GG05, GS98b, GO06, GDL07, GBDD10, GH97, HKW +13, HC05, HK00, HP94, HRS10, HWS05, HV07, JZ13, JP08, KMS14, KHW +14, KM12, LSW02, LOS17, Lee13a, LSC03, LYL +11, MW01, ...
MW13, NJ14, OA93, Pen00, RT10, RS99, Ruh98, Saa96, SZ99, SS99, SY10b, SY12, Sun96, SX11, TW03, TB99b, UA04, UA07, VM13, WZ03, WYGZ10, Xia13, XZ14, Yan94, Yin09, YB09, ZGA10, ZTRK14, AS93, AMB \[+\] 94, BZ96, EL93, MH95, MS93b, NP93b, FS93, Rag95, RG94, Rot96. Sparse [Sch93, MG09]. Sparse-Approximate-Inverse [MG09]. Sparse-Grid [BW09]. Sparse-Sparse [CS98]. Sparsiﬁcation [APSG14]. Sparsity [BL08b, Cho00]. Spartan [Hri03, Hri05]. Spatial [AD06, Boz09, CMM +07, CLAT10, JV96, KKP14, MTM08, Min02, PV08, WP98, Zim13]. Spatially [AK04, BLMR02, CCA03, NO98, NNH99]. Spatiotemporal [LC05b]. SPD [GRT05, SIS96]. SPDs [BAS09]. Special [Bal00, Ben13, CVW06, Elm08, Elm00, GWE04, GLR07, JKR08, KV14, Tum10, TBC +11, Vas07, Wan01]. SPECT [IJ08]. Spectra [LW97, Mön08, VR14, BW93]. Spectral [BDD +97, BT03a, BJM03, BS05c, BG98, BK00a, BK10, Bjo95, Bia97, Bia98, BIA99, BOPGF06, CCQ10, CG99, CGD03, CGG07, Cas97, CCS97, CFH +03, Che05, CCO11, CEO11, CF05, CG07, CGH11, CRV13, DJT08, DAE02, FMRR13, FS02, FW97, GK11a, Gas13, GP99, GM14a, GRT05, GRMS09, GN07, HOY03, HLS08, HL95, HT00, HG14, MC09, MW08b, NH13, NN03, Ols07, PKD13, Pav98, PZPR07, PWZ10, SDNL10, She99, SY10b, SY08, SJD14, TW12, TT06, TLE12, WG00, ZK14a, ZK14b, ZCK14, vGEV07, vHBTC12, Lie93, MMPR93, Nat95, Nat97, She94, She97, Tan93, BT97]. Spectral-Galerkin [DAE02, She99, She94, She95, She97, BT97]. Spectrally [CBG12, JL11]. Spectrum [BS06a, GK03, ZB12, Gut93]. speed [DS95b]. Sphere [BL07b, CF97, DLTZ06, ES00, FF05, FP07, GPS12, Lay03, LS00, RLM +00, TDFT03, WL11, Wan13, YCC10]. Spherical [AA00, BLS06, BN00, FF05, For95, GV13, Li99, MK08, RT05, She99]. Spin [BL08a]. Spin-1 [BL08a]. Spline [AGI10, BF95, BFK03, BFK05, BF06, Bli99, LS00, MS07d, Ng94, Red99, Sun95, TGC94, TV98b, Xia94, HRH93]. Splines [BLS06, HHL07, LS94, LZ13b, Woo94, AE95, Gu93]. Split [BAFF00, HJMS07, Lee13a]. Split-Step [HJMS07]. Splitting [BA05, BQQ08, BGLY05, BGL06a, BJM03, BS05c, BCM11, CFSZ08, CLST03, CDB13, CJK10, CJ95, DJT08, DMD +12, HL90, KQW04, LL00, Sha03, WL97, YHS07, Yun03]. Splittings [JP95, MPRW08]. Spreading [Ros96]. Spring [CJ09, LP03]. Spring-Mass [LP03]. SQP [PBC05]. Square [AKA13a, FCZE14, GGM01, MT97b, RW06]. Squared [CCG14a, Gro02]. Squares [AMMR10, AMM +10, AMM +11, ABM +13, AV14, AMT10, BLH02, BM13, BT03c, BS99b, BW96, BKMM10, BL03, BM14, CLMM00a, CLMM00b, CPV95, Car10, CAS11, DMM04, DMM05, DG98, EHS +07, FM098, FCH097, FS11, FNB06, HLMM06, HLM +09, HY10, HY14, LMMR00, LFB13, Lee14, LRS02, LD11, NP14, PE00, QQP099, Sta00, Str03, TZ14, TBO10, Wat98, Yout94, ZS97 +13, ZNX14, dMHJ000, ten95, BR95, Dax93, NP96]. Squaring [AMH12]. Stability [AD07, AW11, AP93, ACF09, BYK05, BM10a, BM10b, COZ96, CH08a, CKLP11, CFM96, CS10c, DS99, DP07, DHE13, DR13, FCF14, HP94, Hig95, HV04, IM97, Ket08, KP07, LPR98, LC05b, MR02, NH12, OB08, RP01, Sch05, SZS97, SNB08, Str93, WL08, WTB12]. Stability-Corrected [DR13]. Stability-Preserving [Ket08]. Stabilization [BSSW13, BS06b, LR12, ZHS10]. Stabilized [AVZ13, BH14a, BM11, BBGS04, BL07b, BRBT12, Bur13, Bur14, CSW14, EHS +07, Gar97, KS99, SV03, ZS02]. Stabilizing
Stable [Abg09, ABB+04, BN98a, BS05d, BHT11, BDK12, DM13a, DMM14b, FM12, FP07, FLF11, GMV99, HT14b, Hel11, Hes98, HT00, JL11, KG14, KM12, LW12a, LLH13, MC10, NH13, NS06, PJ96, SY14, SO09, TKCC13, WM05, HG96, Hes97]. Stage [BCG+10, OS98, SW09]. Staggered [GHTW00, MV09]. Standard [FKTW10]. Star [GTMP07]. Starting [YC99]. State [BD04, Bla03, BK00b, CDG+09, Day98, DD00, Elm99, FL02, Gar09, HS06b, Haz08b, JSPC97, KH14, KLW02, LXK08, MV06, Pet05, PS12, QS14, Str00b, WG12]. States [BL08a]. Static [ADGP07, GDL07, HH11, VP14, ALZ14]. Stationary [CCF14, DN97, FGM08, Gro02, LLP98, PEC+14, RW13, RL13, Sar98, SK05]. Static [CPT05]. Statistical [BEG+08, BF13, BFI07, GGK+04a, KL94, KLR98, LX08, Lee13a, LWG10, MWBG12, TW96]. Steady [Abg09, BLH02, BW11, BG05b, BK00b, CC12a, CDG+09, DD00, Elm99, FL02, Gar09, Hun96, JSPC97, KLW02, LJL98, Pet05, PS12, Str00b, TNL14, Wu99, LK93, MMPR93]. Steady-State [CDG+09, DD00, Elm99, Gar09, KLW02, PS12, Str00b]. Stefan [BH11]. Steiner [EU09]. Stellarator [HBJ04]. Stencil [KP09a, LGH+13]. Stencil-Aware [LGH+13]. Stencils [IT09b, LLHF13]. Stenotic [TY00]. Step [AP14, Bar99, BCF13, BFK05, BBC07, CFR05, Cas05, CGK13, CSG96, CLST03, CWS10, GASS98, GV09, GM11, HS05a, HLW00, HJMS07, HLZ13, Jah04, LHL12, SB13, CSS93a]. Stepping [CS10b, DGO9, EJL03, GGS08, KT05, KGG10, KR11, Li10, QZTL11, SNB08, LK93]. Stepsize [BLR99, BB02, KW10a, RW06]. Stepsizes [HS97]. Stepwise [AdVC00]. Stewartson [KR11]. Stiebel [BL99]. Stiff [AC08, AVZ13, BJ01, EJL03, GK03, HG98, HR99a, KT05, KR12, LG97, LT14, ÖB05, RSW10, JS93, Pen93, Ver94]. Stirred [BK04]. Stochastic [AE08, AC08, ACVZ12, AVZ13, BCT07, BBP13, BRW10, BB02, BLL07, BDW11, DMM14a, CCG14b, CVE13, DNP+04, EW00, EFL09, EPSU09, FS12, FS13, GZ11, GM98, GM11, GK13, IP06, IT09b, JL03, JCL07, KK13, KS11, KHRvBW13, Kuc12, LRD+04, LT12, MS07d, MW08a, Man05, MWBG12, MW03, MnvST13, MT97b, MT06, Mis01, MS07e, NX12, NJ14, NGX14, OL08, PW12, PSLG14, PMSG14, PP12b, QS08a, RW06, RKvdDA14, RV10, SDNL10, SB13, TNL14, TVA02, TLE12, U110, UEE12, V114, WXX04, WGT14, WI12a, WI12b, XK02, ZRTK12, ZCP06, ZFZ14, Zyg11, vdDA12]. Stochastically [HGPM14]. Stockwell [WO09]. Stokes [XZ10, ABS96, ACL09, BH00b, BBGS04, BSSW13, BL07a, BW11, Ber97, BT13, CLMM00b, CW07, CGP12, CP13, DG98, DLTZ05, DHE13, ES96, Elm99, EHS+07, Ena97, FF05, FGM08, GH13, GNOR14, GP99, GRL10, GHST98, GW98, GK98, GO09, HG96, Hes97, HS08, HLM+09, HBS00, JL11, JVG12, JK05, JK00, KS99, KLW02, KL05, KW07, KGS10, KL06, KL10, LW12a, LHL12, LLP98, LL97, LL03a, LL00, LCW95, LLL08, LRT11, Lui01, MMPR93, MP08, NSK10, OR02, Pav98, PT01, PP08b, PRR05, PM95, PS12, RW11, RG09, SS98, SWT00, Sma01, SS95, TNL14, TLLK09, TP09, TC99, VY09, WWY09, WWY11, YSZ14, dVL10]. Stokes-Type [GO09]. Stokeslets [Cor01]. Stopping [AGL13, BHvST14, BR05b, EV13, FS08, JSV10, Mar01]. Storage [CF07, Ket08, KMSM14, LW14, RY03, RLC98, War13, WM11]. Strategies [BW01, GS97, HSCTP04, MS07b, MOKS12, May05, MM95, MMV98, RWW14, SvG10a, Wab05, WZ03, vdVY00, Wat94]. Strategy [CGDD11, MDM+12, HR99c, HGPM14, MS07a, OST11, QZT11, VVM12, dDBV14].
Stream [AHH12, Kup01, PM95].
Stream-Tube [AHH12]. Streaming [Kös07, SCM10]. Streamline
[AKM14b, LR12]. Strengthened [LLZ09]. Stress [Dei14, GP09, Min02]. Stretching [DR13]. String [WS07]. Strip [QSV06].
Strips [Coa12]. Strong [CS10c, GE96, KM11, Ket08, WGT14]. Strong-Stability-Preserving [CS10c]. Strongly [MSM14, vD03]. Structural
[BTB05, BT00b, RMB00, SP02, Smi97, EL93]. Structurally [HK00]. Structure [ACF09, BQQ08, BC10, CDFQ11, DLY14, DJP00, HLM03, Hwa07, Jay98, KV05, KPPS14, LQR12, LNC05, LYL +11, LXK08, MW01, MT08, MV08, PE00, PVV11, RW13, Rub12, WMUZ13, ZZW14, vBdB05]. Structure-Preserving [HLM03, MW01]. Structured [BD05, CDY07b, CJ99, CX08, EZ11, FNB06, GNL14, GG03, HI12, KKT13, KKS13, KS11, Kim08, LE10, LYL +11, PS11b, RKLN07, VM13, Xia13, ZLC12, ZZW13, Zie12]. Structures [Beu05, GGM01, GMPZ06, RAB +14, RC06, Saa03, SSW12, TW96, WLX +13, YPN +01]. Studies [BBP13, BBKK97, RLG98, ZD09]. Study [APS12, AHT12, ACD95, BJM03, BCR99, CHR99, CGAD95, CHKM13, DARG13, EP06, GK00, GRT05, GK05, KB08, Kup08, LZ04, OL98, Pic10, PABG11, Ros05b, Ste01]. Studying [EW00]. Sturm [Bou01, LV10]. Style [FSdV98b, ZK14c]. subcube [CG93]. Subdeterminants [IMS96]. Subdiffusion [CLAT10, ZLLT13]. Subdivision [CWD13, HOY03]. Subgridscale [Lay96]. Subiteration [vBdB05]. Subject [LX12, LQX14, AE95]. Sublinear [VL10]. Subset [CBCR14]. Subspace [BM01a, BCL09, CKD13, CCSI98, CPS11, CS14, CDW14a, CDW14b, DLZ10, EEO01, GYO2, OS12, Kde05, KUS14, IZW13, LR98, OW00, PS02, SW01, SS03, Sta97, VP11, Wal99, WYGZ10, vNLB04, vDVY00, Wei94]. Subspaces [BDF08, DDF00, DKZ09, KA95, PdSM +06, XKZ05]. Substructuring [BL04b, Doh03, HS99b, Sta97, YGB +05, Smi93]. Subsurface [FK97, Sta00]. Subtraction [WK +07]. Successive
[GB98, Mit08, WZ03, YJ13]. Suite [SR97].
Sum [AC09, ACC00, OR005, dMHJM00]. Sum-of-Squares [dMHJM00]. Summation [And99, BC02, CWA14, DH03, HZ11, McL12, Nie06, PS03, RO008a, RO008b, Run09, ZY05, ZHO09, Hig93]. Summation-By-Parts [HZ11]. Sums [BG09, KW11, PTT11, MBMZ11]. Super [Jay98]. Superalgebraic [BH07]. Superblock [CWC08]. Supercharging [AMT10]. Supercompact [BW00]. supercomputer [Kor93]. Superconductors [DG99]. Superconvergence [DK98, HX11, WCHZ14, Ym02, ZN05]. Superconvergent [BFK05, EM99, HZ11, LD03, PJ96, Vc00]. Superlinear [CDH98]. supernodal [NP93a]. Superoptimal [DEC05]. Superparallel [MK93]. Superposition [Gar00]. Supersensitivity [GK00]. supersonic [Jay98]. Supply [CPR11, FGH +08]. Support [COS06, EZ11]. Surface [AKS05, AH06, BN98a, BTGH12, CH09a, CFM96, DG10, GPK04, GKO4b, HA08, Kös07, LTC13, LL97, LO13, MG11, MCT +05, MT99, RS13, SV08b, SO09, TK13]. Surfaces [BB09, BBK06, CW13, CW14, CDW14a, CDW14b, DP07, DGJ03, Far01, FJP +11, Gra14, KTB14, KKB +08, MR09, NN0W09, Atk94, RN95]. Surrogates [CGDD11, LX14, RS13]. Surrogates [LM14a, YGCP96]. SVD [BP97b, Hoc01, NH13, OT09, VW94]. SVD-Based [VW94]. Sweeping [ALZ14, BMR10, PELY13, ZCL +11]. Swimmers [GHK14]. Switching
[HFL11, KL00b]. **Sylvester** [BDP96].

**Symbolic** [GDL07]. **Symm** [CP05].

**Symmetric**

[ARMNW10, ADKM03, AH04, BF01, BOR97, BGM13, BDvdG05, BS96b, ÇAK11, CCS98, CPS11, DLP05, DMPV08, DJLZ96, FEM08, FS08, GFP95, GWMG03, Gas13, GY02, HS06a, Hag02, HLD12, HJS99, JFG10, JLY08, KUS14, LZ99b, LS13b, LS03, MV00, MRV06, MB99, May08, McL95, NH13, Nat98, Ng00, Oct99, SLvdGK14, SK05, TD99, VK13, VSS14, XYGO01, ZLG98, Lan93, LL93, MS93b, Tre97, WM93, YL93]

**Symmetry**

[ALT93]. **Symplectic** [CCSY98, SLvdGK14, SA97, EL93, WAS94].

**SYMMLQ** [Dul98].

**Symplecticity** [LXL11]. **Symplecticity-Preserving** [LXL11].

**Synchronization** [AD07].

**Systolic**

[AT93]. **Symmetry**

[CCSY98, SA97, EL93, WAS94].

**SYMMQL** [Du98]. **Symplectic** [BCF01, Ben01, BCR99, Man05, McL07, MMVW13, Szz97, CSS93a, CSS93b, LMSS97].

**Symplecticity** [LXL11]. **Symplecticity-Preserving** [LXL11].

**Synchronization** [AD07]. **System**

[AK09, AMMR10, AMM+10, AMM+11, ABM+13, AV14, BCC98, BS05d, BDZ13, BLM03, CCM05, CLM00a, CLM00b, CLPS03, CLP08, CF05, CHe11, DY06, EGS94, FV06, FM98, Gar09, GHe95, Kim08, KLJ10, LMMR00, MKSG10, MR01, MPS09, PS08, Rav02, Rav05, RGG06, Sch05, SBN11, SV11, TKCC13, WS95, XBC96, ZGA10, BK14, McC95]. **Systematic** [XW05].

**Systems**

[AM04, AKK14, AH09, AKPRB08, AR99, AL99b, ATK12, AK04, BGLY05, BS05a, BK98, BK99, BPR04, BB08a, BMO1a, BDDSM11, BM11, BMG13, BCF01, BSSW13, BM95a, BT98, Ber00a, BPR99, BLO7b, BMO3, BR09, BR13, BSO6b, Bz09, Bre99, BC99, BHP98, BCM03, BC08, BCO9b, BKL1, BTWG08, BGL06b, BEP98, CS99, CGL+13, CSS10, CB89, CGG07, CHe11, Cas05, CPRR12, CS96, CSS98, CN99, Che98, CPS11, CDY07b, CW12, CVE13, CD06, DM13a, DLY14, DB98, DH01, DRFNP07, DB94, DS14, DGSW10, Eln98, Eln00, Ema10, FSDv98a, FT03, FDE+06, FG98, GDL14, GOYO2, GNL14, GRT05, GR04, GW98, GG03, GG05, GKK10, GV98, Gr94, GPS95, GSW13, GW00, HR05, HS06a, Hag90, Har11, HJS07, HSS08, Her08, HZ10, HP94, HWH00, HG12, HLS98, HEHG14, HSCTP04]. **Systems**

[JFG10, JZ13, JW05, JWH08, Jou94, KGM+08, Kas95, KP12a, Kea97, KLR98, KBK+08, KPL13, KSB11, KMR01, Ko04, Lab05, LM00, LV98, LV13, LNP+07, LSU11, Lee09, LPR02, LN05, LPR98, LN03, LMMW04, LNA+11, MB02, MRT00, MSM14, Meu11, MW13, MC05, Moo00, MGW00, Nat98, NP08, NSJ03, NM13, OD12, PdS+06, PW98, Pet99a, PS01, Rah96, RG07, RSW10, RM08a, RT99, SZ99, SS99, SBK13, ST08, ST14b, SHP07, Se11, SG95, Sma04, Smi97, SG04, Svd8, SC98, Sta94, S010, Sun95, TTSM08, TT07, Ton94, Tor12, TS14, VC00, VM13, VK13, VSS14, VT12, WLX+13, WTW09, WSH14, X04, Yan94, YDF97, YP98, Zh97, dDBV14, dSL05, AS93, AM95, AP93, BHP94, CGP93, CN93, CT94, CGS+94, CC96, CW97, CMV97, Fre93, Gre93].

**Systems** [JJ93, Yav93]. **Systolic** [BPT93].

**Tables** [CWG10]. **Tackling** [KSD10]. **Tail** [IM98]. **Taking** [MM98]. **Taksar** [DS96].

**Tall** [CGHT14]. **Tangent** [ZZ04, ZS14].

**Tangential** [MRSS14]. **Tangentially** [BM11]. **Target** [HWS05]. **Task** [ABC+14]. **Task-Based** [ABC+14]. **Taxonomy** [BBG04]. **Taylor** [Bar05, Hei13, Kup98].

**Tearing** [LOSZ07]. **Technique**

[Bla97, BEPW98, CL03, DS97, LNS96, NNH99, RAO5, SP03, WIOH08, WZSL12, YO03, PSB+06]. **Techniques**

[APvDG12, ADH99, BvW09, CDGS05, CP05, CP07, CBS00, CDGT01, DS00, GS98b, GG10, HW01, HM14, JFG13, KTB14, KMR01, KM98, Lan10, MMV98, PKNS14, PABG11, Pla98, SS99, SBR06, SW03, SF08, Toi96, WB08a, ZW94, ADRS95, CS97, Di 95].
Temperature [Don06]. Tempered [HP14].
Templates [HTR12], Temporal [Ber95b, LL00].
Tension [BN98a, LL97, MCT+05, SO09]. Tensor [BS03, BS07, BG14, Beu05, BAS09, BS99b,
De 12a, DM13b, DK02, FF05, FEM08, GNL14, GOS12, HRS12, KKT13, KKS13,
KK09, KKF11, KS11, KSF14, LS00, MSL13, OT11, Ose11, ZCK12]. Tensor-Structured
[GNL14, KKT13, KKS13, KKF11, KS11].
Tensor-Train [Ose11].
Tensors [BK07, SL10, SLvdGK14].
Term [AGH00, FN94, HS97, Kla98b, Kla98c,
RG98, Wan07a]. Termination
[FL08, KMT98]. Terms [CGK13, HR99a,
JW05, Nak98, Win06, EW96]. Tessellation
[BGL06b]. Tessellation-Based [BGL06b].
Tessellations [DGJ03, DW05b]. Test
[CPT05, Han95, JL05a, Lin06, LW03]. Tests [LSW02]. Tether
[TP09]. Tetrahedral [Ber00b, DK98, PC98].
Tetrahedral [AMP00, Ber98b, CC11,
FKW13, GR05b, HT00, LJ95].
Tetrahedralization [Wal13]. Tessellation
[BEG+08]. th [PP12b]. Their
[CHO2, DW05b, GK03, GPS12, LS94, LL00,
MC94, PP13, ST00, CC96, DG95, DG99,
GM00b, SHP07, WTS94]. Theme [KY14].
Theorems [ET01, LV98]. Theoretical
[CGAD95, Wan07a, Ber97]. Theories
[HSF07]. Theory
[BGL08, BEG+08, BM10a, BH07, CXY10,
CFM96, CDW14a, CDW14b, FGM14b,
FCF14, KKP14, LW12b, LY13, NKLW94,
Rub12, SS03, WL13, dSL05, CW93, ED95].
Theory-Based [KKP14]. Therapy
[CDM+13]. Thermal
[BST08, DSB99, MR04, PKR+13, Rav02]. Thernally [IR98]. Thermocoustic
[CK07]. Thermodynamic [BHV05]. Thick
[Lee10a, SSW98]. Thin
[AA00, KWW13, LS94, Lee10a, LS12b].
Third
[ABMR11, AS06, Cao07, KL00a, LY14, SC02].
Third-Order [KL00a]. Thomas [Ain07].
Thousands [BT03b]. Three
[AILP07, AA02, Aru12, BBSW94, Beu05,
BBC07, BBMRO3, BKS13, CJ95, CGM00b,
DK03, EZ11, EdDP09, FK00b, GJ08,
GKC13, GGL+98, GGLT00, GB06b, GV98,
GM96, HM98, HRT03, HRT13, HC98,
HSW08, Hun95, Hun96, HPQ14, Joe95,
KL10, KR06, LCA08, MV09, MLL13, MZ94,
MMN00, Moo00, NKLW94, NMAB11,
Ong97, PV08, PWZ10, Pe12, Pet99b, PP13,
RR98, RG98, RDP08, Sch02, Sha12, SWT00,
Tsy99, Tu07, Ush01, WOL98, Wen10, WO01,
WX05, ZW03, Ca93, ED95, Smi93, SS93b].
Three-Dimensional
[AILP07, Aru12, BBSW94, CJ95, CGM00b,
EdDP09, G08, JK13, GGL+98, GB06b,
GV98, HM98, HRT03, HRT13, HC98,
HSW08, Hun95, Hun96, Joe95, KL10, KR06,
LCA08, MV09, MZ94, MN00, NKLW94,
NMAB11, Pet99b, PP13, RDP08, Sch02,
Tsy99, Ush01, WOL98, WX05, ED95].
three factored [SS93b]. Three-Grid
[WO01]. Three-Level [Tu07]. Three-Term
[RG98]. Threshold [MOKS12].
Threshold-based [MOKS12].
Thresholding [TW13a]. Through-Casing
[PDTVM08]. TIGER [Wal13]. Tikhonov
[CR04, FM99, GN14, LJT11, KE07, LFB13,
OL01, TY08]. Tile [HL12]. Tiling
[GVP06]. Tilted [BG11]. Time
[AA02, ATK12, AM05, BJM03, BS05c,
BB10, BLR99, BF13, BC09a, BHNP07,
BCM11, BN13, BCC07, BBT11, CB98,
CCG14a, CEJ+10, CFI05, CGAD95,
CM08, GK13, CGG+14, CHL06, CWZ07,
CHO12, CFM96, CGG14b, CS10b, CDG101,
DM13a, DD13, DJ08, DG09, DEP11,
DSZ13, DMD+12, DB07, EDG12, EJ03,
FFK+14, FDE+06, FMB13, GS98a, GV07a,
GJSZ13, GDL14, GASS98, Gob08, GGS08,
GO06, GV09, GW04, GM04, HS05a, HP14,
HW14a, HR98a, HCHS13, Hol10, HW95,
HY14, HLY13, Jah04, JV96, JSZ13, JZ00, KM97, KT05, KGGS10, KR11, KL12, KS14, KL00b, Kye12, LDS11, Li10, LLO8, LM14c, LH00, MO00, ML11, MZ94, MSV00, Nor07, PR01, PS10a, PKR+13, Pat97, PL12, PP12b, PMSB12, QZT11, Qs03, Rav05, RL10, RZ03, RMC12, RW01, RMD08, RSSZ08. **Time** [RWX07, SV08a, SE11, SNB08, SW10b, TW05, TPW09, YTL11, Yan14, Yu01, ZK14a, ZLT13, ZK14c, ZCW10, Zim14, LK93, WGT14]. **Time-Accurate** [Zim14]. **Time-Changed** [ZK14c]. **Time-Decoupled** [KS14]. **Time-Dependent** [ATK12, CB98, CCG14a, LH00, ML11, RZ03, RSSZ08, RWX07, SE11, SNB08, SW10b, TW05, TPW09, YTL11, Yan14, Yu01, ZK14a, ZLT13, ZK14c, ZCW10, Nor07]. **Time-Domain** [CHL06, DSZ13, HLY13, JZ00, RW01]. **Time-Fractional** [ZLLT13]. **Time-Harmonic** [AA02, BB10, BHNPR07, CWZ07, EDGL12, HY14, PL12, RL10]. **Time-Integration** [DEP11, GV07a]. **Time-Marching** [KM97]. **Time-Parallel** [GV07a]. **Time-Periodic** [GJSZ13, KL12, PMSB12]. **Time-Reversible** [BLR99, KL00b]. **Time-Space** [YTL11]. **Time-Splitting** [BJM03, BS05c]. **Time-Step** [CFR05]. **Time-Step-Size-Independent** [BBC07]. **Time-Stepping** [EIJ03, GGS08, KT05, KGGS10, KR11, QZT11]. **Timely** [BT97, Cas97, Den97b, SA97]. **Times** [RF10, PKNS14]. **Timestep** [SMN10]. **Timestepping** [GB06a, HS06b, JL03, JL05a]. **Tissue** [PVV11]. **Titanium** [GY06]. **Toda** [Nak98]. **Toeplitz** [BW93, CN93, CT94, CC96, CCS98, Di 95, Di 97, EK10, FS96, HO96a, HSCPT04, Jin95, KKT13, LPS10, LNC05, MV00, MB99, Nag93, Ng00, NSJ03, NP10, NP14, NCV06, PKNS14, PE00, PS01, Tre93, Tre97]. **Toeplitz-circulant** [CC96]. **Toeplitz-plus-band** [CN93]. **Toeplitz-plus-Diagonal** [NP10]. **Tomography** [CK07, HKK+13, IJ08, KdS05, KL08, RBH06, SBR13, WB08a, WPL+13, dSK11, vdDA12]. **Tomosynthesis** [BNFS13]. **Tool** [BA05, VR14]. **Toolkit** [LNA+11]. **Tools** [KMA+12]. **Tooth** [RK07]. **Topographic** [GH14]. **Topography** [GN07, MSS12]. **Topological** [BRZ14, BB09, KLST06]. **Topology** [CWD13, WB08a]. **Tori** [DB94, HKM97]. **Toroidal** [SLO13]. **Torso** [WiOH08]. **Torus** [GPS12, HW94]. **Torus-Wrap** [HW94]. **Total** [CGM99, CMM00, CT03, CC03, DF03, FGH097, FN06, GE05, GE09, HS06d, LFB13, MF06, NY10, VO96, WBFA09, ZW13]. **Total-variation** [NY10]. **Trace** [SLO13]. **Tracking** [BLGL11, CL07, Dk00, GT98, GBCT10, GGL+98, GST+99, GGLT00, GGZ02, GM13, HC95, Hwa07, LS05, MK10, ZF14]. **Trade** [SE13]. **Trade-Off** [SE13]. **Traffic** [BCV13, HK03, HPS06]. **Train** [DKO12, HRS12, OT11, Ose11]. **Train/Quantized** [DKO12]. **Training** [Zim13, SBC93]. **Trajectories** [Van95]. **Trajectory** [EMK94, EHW00, WG12]. **Transcription** [PR09]. **Transfer** [ACL09, BK98, BK99, BW01, EAS08, HRT10, HHE10, JLY08, PNR+13, PN13, RBH06, RM08a, Xu99]. **Transferring** [GR04]. **Transform** [ACD+08a, ACD+08b, BR02, FW97, GHR12, GHR13, HT14b, KV12a, KM12, LCA08, MW08b, OT11, PM03, SGM10, WO09, Wei99, Yin09, AD96, EB96, NP96, Sch96, CRMC12, EMT99, LB11, Re13, ZK14c]. **transform-based** [NP96]. **Transformation** [CP03b, DK11, HC98, KR06, Yun03, YK03]. **Transformations** [AD07, ACD+08a, ACD+08b, CD06, GGOY02, Joe95, MHS98, Goe97, Joe93]. **Transformed** [TT06, UEE12]. **Transforms** [BBBV13, BV98, Di 97, FT03, IBM01, Nak98, NL99, Pek12, PP13, TW09, BS94].
DR93b, Heg95. Transient [BG07, BP13b, FHFR13, SBM07].
Translation [GD03, ED95]. Transmission [BLS14, JLY08, MRS04, MS12, QX08, RL10, WH13].
Transonic [CGK+98, SS10a]. Transparent [Coa12, RSSZ08]. Transport [AHT12, AH06, ACCP13, BH14a, BGL08, BSS09, BP13b, BBM*08, BLM03, BJ08, CM+07, DMML05, DJP00, FHL13, Fro12, GJ08, HKF+13, HRT13, HJP03, HJP04, JLY08, Kan03a, KR14, KGM*08, KGM+11, KP12b, Lay06, Lee10a, Lee12, LR12, MMM+94, OL98, Ros06b, SG11, VY09, CZZ14, vd97, vC99, vd97].
Treating [SO09]. Treatment [BH00b, CDMM+13, Sch09]. Treatments [CG99, DCM14b]. Tree [BG14, CWA14, WMSG09]. Tree-Code [WMSG90]. Treecode [DD12, KW11]. Treecodes [GSS90]. Trees [Ol01]. Triangles [Ber00b, DA00, DK98, KPP+14].
Triangular [BGL05, Ber98b, Bol03, Cao07, FEM08, GGL09, HP94, Hig95, Hog13, Kla98b, Le 01, LNSZ06, MKRK13, SC02, WSK99, ZS03, AS93].
Triangulated [FJP+11]. Triangulation [CW114, DV98, HGPM14, VHRG10].
Triangulations [EJ09, Joe95, JGZ06, Joe93]. Tridiagonal [DMP08, DJLZ96, GWGM03, HK999, KL11, LQ99b, MRV06, Oet99, RT99, AM95, Lan93, LL93, LZ94].
Trigonometric [KP07, Str00a]. Trilinear [VP10]. Triplets [De 12b, JN10].
Troubled [QSO5a]. Troubled-Cell [QSO5a]. True [vdVY00].
Truncated [FGHO97, MBVO13].
Truncation [HSS08, OC03, VVM12]. Trust [KHRvBW13, KHRvBW14, Pla98, RS02, WRS08, YMW07, dSK11, Sar97].
Trust-Region [KHRvBW13, KHRvBW14, RS02]. Trust-Regions [WRS08]. TT-Format [OD12]. Tube [AH12, Hum95, LJL09].
Tubes [TY00]. Tubular [NNRW96]. Tucker [GOS12]. Tumor [BCG+98, DDB08]. Turbulence [BHR04, PH13]. Turbulent [AABM13, AL07, EAS08, Har11, TW96, ZCZ04].
Turning [LJ03]. TV [GLN09, LRT11]. TVL1 [YZY09]. Twist [BT03a, LWFP08].
Two [AK09, ABMR11, AIL05, AHR12, Atk94, BGL06a, BTO6, BBK97, BK99, BC10, Bar99, Bar12b, BCT05, BH11, BM01b, Ber95b, Beu05, Bre00, BKS13, CHR99, CM98b, CDG06, CG07, CP07, CLG101, tVCAU10, CV12, CC02, CL97, CC09, CJO5a, CDB13, CST+13, DSO0, DK00, DD00, DF09, EG01, EF05, EPV94, Fai03, FV06, FS01, FL97, Fer98, FCZE14, FK00b, FCC10, FN94, FL08, GJSZ13, GPV06, GKG07, GK98, GPS95, Gro02, GC97, HHH03, HS94, HR99c, HLZ13, JVG12, JW05, JK08, JP01, KKV13, KKP14, KKS13, KL06, KY14, KT08, Kra09, KP09b, KM05, LD1MV12, LAG14, LL98a, Le 09, LP08, LG97, Lee13b, LR12, Mac98, MAB07, MB13, MMN00, MEF09, NH12, NS06, NCV06, PV08, PNP13, QSO14, RRR03, RRR05, RT01, RR98, RO12].
Two [SSW12, Sha12, SY14, SM94, SO09, TC99, TT13, VC00, VBT09, VMG09, WS07, WXK04, WDE+99, WL11, WM12, WB12, WWM03, WMSG09, WCH14, WGF08, XBC96, Xu94, Yan02, YTL11, Yu01, ZF14, ZZSPH14, Cai93, CSS93a, EOD93, EG93, EIT96, LV94, SRCG93, SS93b].
Two-Body [MMN00, SS93b]. Two-by-Two [BGL06a]. Two-Dimensional
Two-Electron [KKS13].

Two-Fluid [EF05, MEF09].

Two-Grid [CJ05a, FL97, Fer98, Xu94, Atk94, VBT99].

Two-Layer [AK09, FV06, KP09b].

Two-Level [BC10, Bre00, CDG03, CGG07, CGL01, DS00, EPV94, HHvR03, KKV13, KKP14, WWM03, NCV06, Cai93].

Two-Parameter [GGKM07].

Two-Phase [AHR12, BCT05, BH11, CL97, CDB13, FL08, LdMV12, LR12, QS14, SY10a, SY14, SO09, WGF08, LV94].

Two-Point [BM01b, LG97, VC00].

Two-Regime [FCZE14].

Two-Scale [SSW12, VMG09, CV12].

Two-Step [Bar99, HLZ13].

Two-Term [FN94].

Type [AILP07, CZ10, CMM95, DW97a, DLY14, EL01, GO09, GW00, Gur04, HS06d, Hoc01, HXB11, JW05, KQW04, Kus97, Lu95, MK00, MR01, PE00, QS03, RG98, TS11, TLT12, WWY11, YP98, Zha97, ZZWZ14, ZNX14, AO93, DSC05, MV00, MC05, NvdP00, Tan93].

Types [GYZ11].

Ultimately [Rum09].

Ultra [HMCK04].

Ultra-Weak [HMCK04].

 Ultrametric [MDC08].

 Ultrarelativistic [KQW04].

 Ultraspherical [DAE02, Elb06].

 Unbiased [GK13].

 Unbounded [BWZ10, CF05, DR13, Kim05, TZ14, SY12].

 Uncertain [LM14b, MSS12, SBND11, SCS04, TLE12].

 Uncertainties [SG04].

 Update [HCRT13, vNLB04, Anj93].

 Updates [BDdSM11, BBM11].

 Updating [ZS99].

 Upon [KM97, HH13].

 Upper [LQX14].

 Upscaling [EIL09].

 Upwind [CPR11, KNP01, KPP07, KP09b, LE10, Tor05, VSO3].

 Upwind-Euler [CPR11].

 Upwinding [CKV99].

 Urine [LL02].

 Use [AABM13, Cai95, CFZ08, Che13, CWG10, DNP+04, JvGVS13, Man99, OT09, RZ03, ZLT13, HO93].

 Used [NNH99].

 Using [AGI10, ABM+13, AP14, AMP00, ALZ14, BBSV10, Bar05, BSS09, BBR04, BV00, BBT11, BHP94, BBR08, BKs98, BW09, BDW11, CLW13, CWO8, CT03, DKM14a,
Cho05, CH08b, CV98, CFM98, Del14, DARG13, DLTZ06, DAE02, DS97, DV98, DHE13, DKG98, DKZ09, DCP11, DB07, DF03, EHL06, FGMP13, FGMP14a, FGMP14b, FaI03, GH13, GRPG01, GS98b, GCB04, GM11, HT14b, HS99a, HM98, HW03, HW99, Hofs05, HRS10, Hol99, HK02, Hum95, Hum96, IT14, JFG13, Joe95, JP01, JZ00, KO05, KR06, KL13a, KLS08, Kou09, Kup98, Kup00, Lan98, LLP98, Lay06, LV10, LFB13, Lee14, Lie93, LZ13b, LS09, LZ04, MM13, MCT+05, MS06a, NKT98, NMW11, OST11, PP05, PRM09, QS14, QSo5a, QSo5b, Rav02, RKL07, Ros05b, RHSK11, Sch02, SZ00, SAY03, Str99, SSH06].

Using [TBKF14, Van00, VSS14, WB08a, WS95, WE13, WSZ14, WB00, WKM+07, WT01, XKWY08, YCZ13, YB09, AMB+94, BS05e, Car93, CJ99, DS96, DMD+12, FGM95, HBS00, Joe93, LMSSS97, Nat95, Nat97, Pet93, She94, She95, dBMZ11].

validated [YGCP96]. Validation [MS06b, RW97, Woo94]. [CF07, HY08, Mar03, Toi08]. Value [ABL05, AA00, AP97, AS94, BK06, BM01b, Bet08, FF05, BIY95, BS00, BKS98, CGAD95, Cas05, CDD01, CV94, CGHT14, Der08, Drm97, DK03, EM96, EM99, EN08, FS02, For96, GG13, HM14, IM97, IM99, LV07, LC87, LWZ13, LS98, MS07d, Nut99, OS98, PL03, Pat97, PRSS11, SBS98, Ste99, VC00, VV05, VVM12, VK13, YR98, BD93, BZ93, RAN93].

valued [BZCS11, DH01, MO08, GS14]. Values [LR10, VSS14].

Vanilla [JP01, JKL09].

Vanishing [HXB13, ZBB11].

Variable [AdVC00, BLR99, Bör07, BB02, Cas05, CP13, CLAT10, CLST03, FGMP13, FGMP14a, FGMP14b, GM14a, G009, HS97, Jia14, JL05b, JR98, KP09a, KG14, KW10a, NH14, CSS93a].

Variable-Order [CLAT10].

Variable-Rank [Bör07]. variable-step

[CSS93a]. Variable-Stepsize

[BLR99, KW10a]. Variables

[Bar12b, HW99, JK12, ten95]. Variably

[Sta00]. Variance [FP14, FB95, ZS04].

Variant

[BDJ05, HZ10, NO98, YC99, CGS+94].

Variants

[AR99, CGL+12, CMS94, CC02, Gut93].

Variate [PB14].

Variation

[CGM99, CMM00, CT03, CC03, DF03, GV05, YM05, MF06, VO96, WBFA09, ZWZ+13, NAY10, HS06d].

Variation-Based

[CGM99, CMM00, CC03, GV05].

Variational

[Ami94, BGN07, DMN08, GLS08, GS12, HW03, HLP08, Hu05, HMC04, JK05, KL06, KR00, LSU11, Lec13b, LB07, LB08, Mor03, Obe13, PVV11, Pul08, RLG98, RL13, Sch13, de99].

Various

[HS06d].

Vehicle

[EHW00]. Velocities [MS98].

Velocity

[BST08, Cho09, GP09, HPS06, Min02, OR02, VN03].

Velocity-Pressure-Stress [GP99].

Velocity-Stress [Min02]. Verification [BLGL11, KHU96].

Verifying [SE13].

Verlet

[HL97, MIS03]. Version

[AGH13, AP09, CG99, GC97, HK95, LS05a, MMR+94, QOSB98, SYEG00, ZK96, Cas97].

Versions

[LSC03, SZ99, ST98]. versus

[VBN04].

Vertex

[BMSV97, CMS94, KPC12]. Very

[GHS+99, JMB18, LM00, NNR09].

Vesicle

[DZ08].

Vessel [DCS010].

VFRoe [BM08].
Weight [LD04]. Weighted
[ADH99, BC09a, CFR05, CM98a, CM98b,
GB12, HS06a, JP00, JSZ13, Knu96, Kup00,
MKSG10, MW03, May05, NP14, PW12,
QS05a, QS08b, WS07, WS06, ZLS12, FF94].
Weights [BMF12, Bog14, HT13a, HV01, Swa02].
Well [ABB+04, CCM08, DFRNP07, LXL11,
VHGR10, WSZ14, D95a, FCR93].
Well-Balanced [ABB+04, CCM08, DFRNP07, LXL11].
Well-Centered [VHGR10].
Well-Conditioned [WSZ14].
well-posed [FCR93].
WEM [BK06]. Wendroff
[JSZ13, Kol99, MR01, QS03].
Wendroff-Type [MR01, QS03]. WENO
[AG10, CLL13, JX13, LPR00, LPR02,
LNSZ06, LSZ11, QS03, QS05b, YHQ12,
ZS03]. which [Wri93]. While [SO10].
Whirling [LP04]. White
[WGT14, ZTRK14]. Whitham [BCV13].
Whole [Zhe07]. Wick [WR13]. Wide
[KHW+14]. Width [Men94]. Wiener
[XK02, ZRTK12]. Wigner [RY03]. William
[PS97]. Willmore [BGN08]. Wilson
[BK14, FKK+14]. Windowed
[CEO11, GHR12, GHR13]. Winther
[CGP12]. Wire [BH07]. Within [OW02].
Without [LL00, Roe98, BR11, GMN02,
KL10, Yun03, ZMS10]. Work [Ske09].
Wrap [HW94].
X [GHS+09, KLS08]. X-Ray
[GHS+09, KLS08]. XFEM [LR12]. Xolvers
[KALO07].

Yang [CW06].

References

Mark Ainsworth and Mark Arnold. Construction and
analysis of optimal hierarchic models of boundary value
problems on thin circular and spherical geometries. *Siam
2000. CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197
(electronic). URL http://
/epubs.siam.org/sam-bin/
dbq/article/35627.

D. A. Aruliah and U. M. Ascher. Multigrid preconditioning
for Krylov methods for time-harmonic Maxwell’s
equations in three dimensions. *Siam Journal on
Scientific Computing*, 24
(2):702–718, March 2002. CODEN SJOCE3. ISSN
1064-8275 (print), 1095-7197
(electronic). URL http://
/epubs.siam.org/sam-bin/
dbq/article/38735.

Carlos J. S. Alves and Pedro
R. S. Antunes. The method
of fundamental solutions applied
to some inverse eigen-
problems. *Siam Journal on
Scientific Computing*, 35(3):
A1689–A1708, 2013. CODEN
SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).
Akbudak:2014:SIO


Aldridge:2002:RDP


Almgren:2013:UHO


Ainsworth:2011:BBF


Amitai:1998:IEP


Abgrall:2002:RDS


Amsden:1974:RSM


Adavani:2008:MAI


Andallah:2008:DBE

Audusse:2004:FSW

Amari:2009:CBF

Aavatsmark:1998:DUGa

Aavatsmark:1998:DUGb

Almgren:2000:APM

Agullo:2014:TBF
REFERENCES

Almgren:1997:CGP

Aramini:2008:PLS

Alpert:1993:WLB

Al-Baali:1996:OCP

Adjerid:1999:PFE

Abgrall:2009:CSS

Aksoylu:2003:OLR
Burak Aksoylu, Stephen Bond, and Michael Holst. An


Almgren:1996:NMI


Ali:2013:IAM


Avron:2014:EDR


Atkinson:1995:PPC


Adams:2004:NGI


Adams:2005:CAM


Abdulle:2008:RCM

Andersen:2000:EPD


Aymard:2013:NMT


Arandiga:1995:FMA


Averbuch:2008:FDIa


Averbuch:2008:FDIb


Ahuja:2011:ISQ

Astorino:2009:RBS


Amara:2009:CDF


Andersen:1998:CLL


Abdulle:2012:HWO


Anitescu:2012:MFA


Anderson:1996:RCD


Arvanitis:2006:BFV

Ch. Arvanitis and A. I. Delis. Behavior of finite volume


**Amestoy:2012:CIE**


**Audusse:2010:OSW**


**Abgrall:2014:HOP**


**Arioli:1995:BLT**


**Ahuja:2012:RBA**


**Aeberhard:2000:NFA**


Terhemen Aboiyar, Emmanuel H. Georgoulis, and Armin Iske. Adaptive ADER methods using kernel-based

**Agullo:2010:RVS**


**Arioli:2013:SCA**


**Arbogast:2006:FMV**


**Appelo:2009:GPM**


**Aoki:2014:CNM**


**Ainsworth:1996:HDD**


**Ainsworth:2007:PEE**


**Ainsworth:2014:PAB**


**Averbuch:1998:FPS**


**Atwell:2004:ROC**


**Abgrall:2009:TLS**

Acer:2013:RBA


Akbudak:2013:HPB


Adlerborn:2014:PQA


Ammari:2010:AIP


Aubry:2013:LSM


Aravkin:2014:FMD


Asadzadeh:2014:DOS

REFERENCES


REFERENCES

**Anitescu:2007:SLE**


**Aluru:1996:GBA**


**Amari:1999:PSI**


**Aslam:2014:SPA**


**Aubry:1993:PSP**


**Alpert:1999:HGT**


**Amodio:1995:PGS**

Abramo:2004:QUN


Averick:1994:CLS


Al-Mohy:2011:CAM


Al-Mohy:2012:IIS


Al-Mohy:2013:CFD

Awad H. Al-Mohy, Nicholas J. Higham, and Samuel D. Rel-


Anderson:1999:DAF


Andersson:2008:SCM


Anjos:1993:MBU


Anile:2000:AHR


Averick:1993:FSN


Almendral:2007:AEE


Ascher:1993:SCM

Amo:1997:CRA


Axelsson:1999:AVA


Aranda:2001:CRO


Appelo:2012:FOA


Albin:2014:DPE


Ayk:2004:PSR


Akrivis:2012:CSD

REFERENCES

Alexanderian:2014:ODE


Aktulga:2012:RMD


Arun:2012:NST


Ascher:1999:MSV


Abdel-Rehim:2010:DRS


Arun:2012:NST

Alvarado:1993:OPS


Ascher:1994:CSB


Artebrant:2005:CLR


Artebrant:2006:LFT


Ashcraft:1995:CGM


Andersson:2007:EA


Atkinson:1994:TGI

REFERENCES

Asner:2012:ABP

Andriulli:2007:MAE

Adler:2014:EAC

Aurentz:2013:FCZ

Abdulle:2013:WSO

Arbogast:2011:SMM

Babuska:2005:SMT


REFERENCES


REFERENCES

[B Burrage:2002:VSI


[BB Borzi:2003:AMM


[B Blanes:2005:AGI


[B Baur:2008:GBM


[B Bonito:2008:CIP


[B Brochu:2009:RTO


[B Barnett:2010:ECN


[B Badia:2013:AFE

Santiago Badia and Joan Baiges. Adaptive finite
REFERENCES


**Bolten:2011:BAM**


**Barrenechea:2014:FEE**


**Baur:2011:IPM**


**Bajaj:2013:NFT**


**Barinka:2001:AWS**


**Bottasso:2007:TSS**

[BBC07] Carlo L. Bottasso, Olivier A. Bauchau, and Alberto Car-
REFERENCES

Barth:2004:TCS

Bartel:2013:DIC

Bronstein:2006:ECI

Bangia:1997:UTD

Brandt:2011:BA

Brenk:2008:NSP
Markus Brenk, Hans-Joachim Bungartz, Miriam Mehl, Ioan L. Muntean, Tobias

Bella via:2011:NPU


Bouillault:2003:MEE


Bourdin:2009:OPE


Banas:2013:CSS


Bischof:2004:SA


Bucker:2008:PMN

REFERENCES

Bader:2010:DAS


Brezinski:1999:MIS


Beylkin:2002:MAR


Beilina:2006:AHF

REFERENCES

epubs.siam.org/volume-28/art_63125.html.


REFERENCES


REFERENCES


REFERENCES


REFERENCES

[Buchholz:2005:BSP]

[Bai:1997:SDN]

[BDE08]

[Bindel:2008:CIS]

[Ballard:2010:COP]
REFERENCES

Baker:2005:ILS


Brdar:2012:CSD


Bell:2012:EFG


Bischof:1996:PAS


Bandy:1998:SMA


Bien:2005:PED


[BEM94]


[Ben01]


[Ben13]

REFERENCES

8275 (print), 1095-7197 (electronic).


REFERENCES


REFERENCES

8275 (print), 1095-7197 (electronic).


[Brezina:2004:ASA]


[Brezina:2005:AAM]


[Buzzard:2008:SIV]


[Belgacem:1998:AWE]


[Bustinza:2004:LDG]


[Biros:2005:PLNa]

Biros:2005:PLNb


Bechouche:2007:SCM


Bardsley:2010:IME


Betz:2011:NTT


Buluc:2012:PSM


Bush:2013:ACG

<table>
<thead>
<tr>
<th>Reference</th>
<th>Author(s)</th>
<th>Title</th>
<th>Journal</th>
<th>Year</th>
<th>Volume</th>
<th>Issue</th>
<th>Pages</th>
<th>DOI/URL</th>
</tr>
</thead>
</table>
REFERENCES


[BGN07]


[BGM09]


[BGM13]


[BGOD08]

Baranger:2008:ALA

REFERENCES

1064-8275 (print), 1095-7197 (electronic).


[Briggs:1993:WM]


[BGR10] Bremer:2010:NOP


[Briggs:1993:WM]


[Bank:2000:NPP]


[Bansch:2000:NTN]

Eberhard Bänisch and Burkhard Höhn. Numerical treatment of the Navier-Stokes equations with slip boundary condition. SIAM Journal on
REFERENCES

122


[ BHG14 ] Daniel Baffet, Thomas Hagstrom, and Dan Givoli. Double absorbing boundary formulations for acoustics and elastodynamics. SIAM Journal


Peter N. Brown, Alan C. Hindmarsh, and Linda R. Petzold. Consistent initial condition
REFERENCES


REFERENCES

[102x681]REFERENCES


REFERENCES

Braverman:2005:HDD


Borzi:2002:OCF


Bittner:1999:FAP


Brandt:2000:MSE


Bao:2001:RPM


Brunk:2008:NCE


Bao:2003:NST

Weizhu Bao, Shi Jin, and Peter A. Markowich. Numerical study of time-splitting


[BK00b] Alfio Borzi and Karl Ku-
REFERENCES


Bhave:2004:PSR


Berrone:2006:AWA


Bader:2007:EMC


Beilina:2008:GCN


Bialecki:2010:SCC


Brunner:2011:AML

REFERENCES


REFERENCES

1064-8275 (print), 1095-7197 (electronic).


REFERENCES

131


[BLH02] M. J. Baines, S. J. Leary, and M. E. Hubbard. Multi-


Eric Barth, Benedict Leimkuhler, and Sebastian Reich. A time-reversible variable-stepsize integrator for con-


Brusdal:2000:BNR


Bellavia:2001:GCN


Berrut:2001:LRP


Beylkin:2005:ANA


Berthon:2008:PPH


Borisov:2010:SMCa


Borisov:2010:SMCb

V. S. Borisov and M. Mond. On stability, monotonicity, and construction of difference schemes II: Applications.
REFERENCES


Balazovjec:2011:HOS


Brunet:1993:HAD


Bogaert:2012:CLP


Bergamaschi:1998:MFE


Brezina:2010:TAS


Bru:2008:BIF

REFERENCES

Bru:2014:PIM


Badia:2014:HSP


Bak:2010:SIF


Burger:2013:HRE


Borzi:1997:MSC


Benzi:1996:SAI


Bao:2013:SEN

REFERENCES


**Breda:2005:PDM**


**Brix:2011:RCA**


**Burger:2013:RNS**


**Baker:1998:SMV**


**Beatson:1998:FER**


**Bartnik:2000:NME**

REFERENCES


[Bai:2005:IPN]


[Bustamante:2013:IBT]


[Benzi:2006:ALB]


[Bank:2007:DFP]


[Boe:1993:MPG]


[Bogaert:2014:IFC]


[Borgers:2013:ETD]

[Bol03] Matthias Bollhöfer. A robust and efficient ILU that incorporates the growth of the in-

**Bueno-Orovio:2006:SMP**


**Bar-On:1997:FDL**


**Börn:2007:AVR**


**Borm:2009:CDS**


**Boumenir:2001:SEN**


**Bozorgnia:2009:NAS**


**Baker:1997:PPE**

Christopher T. H. Baker and Christopher A. H. Paul. Pit-


REFERENCES

8275 (print), 1095-7197 (electronic).


[BPS14b] Alex Bespalov, Catherine E. Powell, and David Silvester. Energy norm a posteriori error


REFERENCES


REFERENCES

Brenner:2000:LBT

Becache:2007:FDM

Buckwar:2010:SRK

Brezinski:2014:STA

Bailey:1994:FMN

Bailey:1995:EDC

Bao:1996:CPD
REFERENCES

Boyse:1996:BQM

Barrio:1998:PAE

Bank:1999:IFM

Bouaricha:1999:TML

Bank:2002:AMM

Bader:2003:CLT
REFERENCES


[B05f] Matthias Bollhöfer and Yousef Saad. Multilevel preconditioners constructed from inverse-based ILUs. *SIAM Jour-
REFERENCES

Budko:2006:SVI

Buo:2006:ASL

Bader:2007:PTM

Babu:2008:ESA

Brown:2013:ATM

Bardsley:2014:RTO

Benkhaldoun:2009:SST
Fayssal Benkhaldoun, Slah Sahmim, and Mohammed Seaid. Solution of the sediment transport equations using a finite volume method.

**Benner:2013:ESL**


**Banda:2008:LES**


**Benzi:1999:OIF**


**Bjorstad:1997:TCE**


**Benzi:1998:SAI**


**Bridson:1999:OAF**

Benzi:2000:OFS


Baltensperger:2003:SDT


Bridson:2000:SDS


Banjai:2003:MMS


Bridson:2001:MAI


Benzi:2003:RPL

Battles:2004:EMC


Balbas:2006:NCS


Boubendir:2013:DDM


Brezina:2005:PAM


Bui-Thanh:2012:AHB


Bui-Thanh:2013:CFI

REFERENCES


REFERENCES

Buttari:2013:FGM

Brandt:1998:MEI

Borggaard:2000:ESC

Bardsley:2003:NCC

Botchev:2009:NID

Boonen:2008:LFA

Brown:2003:MIC
Peter N. Brown, Panayot S. Vassilevski, and Carol S. Woodward. On mesh-independent convergence of


Benzi:2011:AAL


Burstedde:2011:PSA


Brunner:2010:CSB


[BY93]


[BYK05]


[BYL13]


[BYL13]

Balder:1996:SMR


Brandt:1997:MAA


Bajaj:2010:FMS


Bilionis:2012:MAR


Beatson:2011:KBM


BinZubair:2007:MHD


Cabos:1994:EBD

REFERENCES


Chinellato:2004:ICC

Cai:1993:OTL

Cai:1994:MSM

Cai:1995:UPI

Catalyurek:2011:HPB

Cao:2007:AMT

Carter:1993:NEC
Richard G. Carter. Numerical experience with a class of

Carley:2007:NQS


Carley:2010:MLS


Casarin:1997:TCD


Casarin:1997:TCD


Cash:2005:VSR


Chen:2011:CLS

REFERENCES


REFERENCES


REFERENCES

2009. CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).


Ch. Chalons, F. Coquel, P. Engel, and Ch. Rohde.

**Cacace:2014:CLS**


**Cacace:2012:PDP**


**Caplan:2014:MSD**


**Cong:2014:IST**


**Chang:2007:LSR**


**Caceres:2005:DSB**

REFERENCES


REFERENCES


REFERENCES

8275 (print), 1095-7197 (electronic).

Crosetto:2011:PAF


Carpentieri:2003:CST


Costa:2001:TMM


Chan:1997:NSB

REFERENCES


REFERENCES

Cohen:2005:MSF


Chen:2007:SLA


Caiazzo:2011:PSF


Cleary:2000:RSA


Chartier:2003:SAA


Coleman:1996:STF


Czyzyk:1998:UMP


Carlini:2005:WEN


Celledoni:2008:ECF


Chu:1993:PAS


Campbell:1995:SGD


Cockburn:1996:MNS


Cao:1999:PEI

[CG99] Weiming Cao and Benqi Guo. Preconditioning on element interfaces for the $p$-version fi-


Chanaud:2014:PFG

REFERENCES

170

8275 (print), 1095-7197 (electronic).


REFERENCES

ISSN 1064-8275 (print), 1095-7197 (electronic).


REFERENCES

siam.org/SISC/volume-27/art_60170.html.


[CGZ99] Tony F. Chan, Susie Go, and Jun Zou. Boundary treat-


Yves Couëtière and Florence Hubert. A 3D discrete duality finite volume method for nonlinear elliptic equations. *SIAM Journal on

[Chalons:2007:NAM]


[CHAMR06]


[Chen:1998:CPM]


[Chen:1994:EEM]

[ChH01] Patrice Coorevits, Patrick Hild, and Mohammed Hjiaj. A posteriori error control of finite element approximations for Coulomb’s frictional contact. *SIAM Jour-
 REFERENCES

175

Cliffe:2010:ADG


Chainais-Hillairet:2013:SDD


Chauviere:2006:CMU


Chow:2000:PSP

REFERENCES

Chopp:2001:SIF


Chow:2005:AMM


Chopp:2009:ALV


Cao:1999:SMF


Chopp:2002:MMM


Christlieb:2012:PST


Christiansen:2009:CPS

Collino:1995:SOA


Coleman:1999:ECS


Chien:2005:TGD


Chowdhury:2005:SLM


Chabert:2009:PEA


Carpentieri:2011:BCI


Clason:2010:DBS

Chu:2013:IWR


Coray:1994:HOA


Chuang:1998:NMF


Cai:2002:NPI


Carstensen:2003:PFE


Clason:2007:QRM


Carson:2013:ACN

Erin Carson, Nicholas Knight, and James Demmel. Avoiding communication in nonsymmetric Lanczos-based Krylov
REFERENCES


REFERENCES

Cai:2001:SMP


Chou:1999:MUC


Chen:1998:MAN


Chang:1997:MCF


Chauviere:2003:ETS


Chu:2008:LDP


Cai:2010:NRM

[CL10] Zhenning Cai and Ruo Li. Numerical regularized moment

**Cai:2011:INM**

**Chen:2010:NSH**

**Cheng:2013:MHR**

**Cai:2000:FOSa**

**Cai:2000:FOSb**

**Chu:2012:SOL**
REFERENCES

Castro:2008:FVS


Cao:2003:ASA


Cai:2013:SVE


Carlson:1998:DAGa

Carlson:1998:DA

Collino:1998:PML

Cohen:1999:WMS

Carrillo:2009:NSD

Conrad:2013:ASP

Chen:2011:IPC

Cortelazzo:1995:RMC


Raymond H. Chan and Kwok-Po Ng. Fast iterative solvers

**Chan:1999:GPM**


**Chung:2010:EIA**


**Cortez:1998:AIM**


**Cortez:2001:MRS**


**Caliari:2013:MEI**

Marco Caliari, Alexander Ostermann, and Stefan Rainer.
REFERENCES


**Cartwright:2006:PSS**


**Cai:1996:DNC**


**Conroy:1995:PIM**


**Carstensen:2003:PEC**


**Chang:2003:OTA**


**Cao:2004:PEE**

Carstensen:2005:ATE


Carstensen:2007:ATP


Chatelin:2013:HGP


Candelaresi:2014:MML


Castro:2012:CSN


Cutolo:2011:UES

REFERENCES

siam.org/sisc/resource/1/sjoce3/v33/i4/p1669_s1.


**Corveleyn:2013:ISS**


**Cools:2014:EMC**


**Caginalp:1994:PFC**


**Chan:1996:CSP**


**Chow:1997:AIT**


**Chow:1998:AIP**

REFERENCES


REFERENCES


Cyr:2014:AAB


Chan:1994:FBT


Chan:2003:IDC


Calamai:1993:GLL


Chow:1994:SLA


Coleman:1998:ECS


Carrillo:2007:NIM

REFERENCES


REFERENCES

epubs.siam.org/volume-28/epub_61688.html.

Cai:2007:MMP

Constantine:2012:RMM

Chen:2013:DCL

Chen:2014:DCL

Chen:2014:FST

Castaldo:2008:RFP

Cochran:2013:RSA

Cooper:2010:PEA
Jonathan Cooper, Jonathan P. Whiteley, and David J. Gav-

Chen:2014:ROD


Chen:2007:AMM


Chen:2013:IPS


DAzevedo:2000:BQB

REFERENCES


K. Davey and S. Bounds. A generalized SOR method for...
REFERENCES


**Duraisamy:2007:ISH**


**Dahiya:2013:CFM**


**dAvezac:2011:LPP**


**Dubois:2011:AER**


**Dong:2010:NMR**


**DeAlmeida:2000:CSC**

Valmor F. De Almeida and Jeffrey J. Derby. Construction of solution curves for large two-dimensional problems of steady-state flows of
REFERENCES


**Deng:2012:FTM**


**Davies:2013:CTA**


**deDios:2014:CPS**


**Demmel:2000:CCO**


**deAlmeida:1999:DDM**


**DeSterck:2012:NGO**

DeSterck:2012:SLA


DiBenedetto:2005:SPC


Dede:2010:RBM


Dellar:2014:LBF


Dendy:1997:RSF


Deng:1997:TCA


Doyen:2011:TIS

REFERENCES


[DFQ14] Simone Deparis, Davide Forti, and Alfio Quarteroni. A


 REFERENCES

\begin{itemize}


  \item \textbf{DH01} David Day and Michael A. Heroux. Solving complex-valued linear systems via
equivalent real formulations.  
CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).  

**Demmel:2003:AEF**

CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).  

**Droeshed:2013:SBR**

CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).

**Drohmann:2012:RBA**

CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).

**DiBenedetto:1995:APT**

CODEN SJOCE3. ISSN 1064-
REFERENCES

8275 (print), 1095-7197 (electronic).

**DiBenedetto:1997:PBT**


**Dennis:2007:AAM**


**Du:1996:QLI**


**Degond:2000:NDE**


**Degond:2008:TSS**


**Dupont:1998:SPF**

De-kang:2000:TFT


Dunnett:2003:IIM


Danaila:2010:NSG


DeLillo:2011:NCS


Dickopf:2014:DAL


Chevrotiere:2014:CSM


Duru:2014:SHO

[DKM14b] Kenneth Duru, Gunilla Kreiss, and Ken Mattsson. Stable and high-order accurate bound-

[Dolgov:2012:FSP]


[Dobrev:2012:HOC]


[Druskin:2009:SLS]


[Dayde:1997:EEP]


[DelBuono:2005:CEL]


[deLoubens:2009:EAA]

REFERENCES

2009. CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).

Di:2005:MMF


Di:2006:MMM


[DM13a]

Dai:2013:SPT


DeSterck:2013:AAM


Desvigne:2010:DNW

[DMBB10] Damien Desvigne, Olivier Marsden, Christophe Boge, and Christophe Bailly. Development of noncentered

**Duarte:2012:NRS**


**DeSterck:2008:MAA**


**DeSterck:2010:SAM**


**DeSterck:2010:AMM**


**duMerle:2000:IPA**

DAzevedo:2005:ALP


DeSterck:2004:LSF


DeSterck:2005:NCP


Dogan:2008:VSO


Demmel:2008:P


Dahmen:2001:AMS

DeSterck:2010:RAM


Dietrich:1997:FES


Das:2013:SOE


Debusschere:2004:NCU


Dahlby:2011:GFD


Dohrmann:2003:PSB


Dohrmann:2007:IOA

REFERENCES


**Donoso:2006:NSH**


**Dorodnicyn:1998:KCA**


**Dorodnicyn:2010:ABC**


**DeLillo:1998:NCM**


**Dossou:2003:NGA**


**Delgado:2007:CCA**

REFERENCES


REFERENCES

Dayar:2000:CPT

Dolgov:2014:AME

DeCicco:1999:NSC

Donatelli:2005:RPM

deSturler:2011:RGN

DeSturler:2005:BDC

Druskin:2013:STD
V. Druskin, V. Simoncini,
REFERENCES


Wenlong Dai and Paul R. Woodward. An iterative
REFERENCES


Degani:2009:QCP  

El-Amrani:2008:GCM  

El-Amrani:2011:PGC  

Elliott:1996:FFT  

Eldén:2000:WFM  

Eriksson-Bique:2011:ISM  
REFERENCES

siam.org/sisc/resource/1/sjoce3/v33/i4/p1689_s1.


REFERENCES

1774–1797, ????. 2009. CO-
DEN SJOCE3. ISSN 1064-
8275 (print), 1095-7197 (elec-
tronic).

Elman:1993:PEP H. C. Elman and Xian Zhong Guo. Performance enhance-
ments and parallel algorithms for two multilevel precondi-
tioners. SIAM Journal on Sci-
entific Computing, 14(4):
890–913, July 1993. CO-
DEN SJOCE3. ISSN 1064-
8275 (print), 1095-7197 (elec-
tronic).

Ethridge:2001:NFM Frank Ethridge and Leslie Greengard. A new fast-
multipole accelerated Pois-
sion solver in two dimensions. SIAM Journal on Sci-
cientific Computing, 23(3):
741–760, May 2001. CO-
DEN SJOCE3. ISSN 1064-8275 (print), 1095-
7197 (electronic). URL http:
//epubs.siam.org/sam-bin/dbq/article/36996.

Ern:1994:TPL Alexandre Ern, Vincent Gio-
vangigli, David E. Keyes, and Mit-
chell D. Smooke. Towards poly-
algorithmic linear system solvers for nonlinear elliptic
problems. SIAM Journal on Sci-
cientific Computing, 15(3):
681–703, May 1994. CO-
DEN SJOCE3. ISSN 1064-
8275 (print), 1095-7197 (elec-
tronic). Iterative methods in
numerical linear algebra (Cop-
per Mountain Resort, CO, 1992).

Estep:2005:GGF Donald Estep, Michael Holst, and Mats Larson. General-
ized Green’s functions and the effective domain of influence. SIAM Journal on Scientific Computing, 26(4):1314–1339, July 2005. CODEN SJOCE3. ISSN 1064-8275 (print), 1095-
7197 (electronic). URL http:
//epubs.siam.org/sam-bin/ dbq/article/41631.

Efendiev:2006:PMC Y. Efendiev, T. Hou, and W. Luo. Precondi-
tioning Markov chain Monte Carlo
simulations using coarse-scale
models. SIAM Journal on Sci-
cientific Computing, 28(2):
776–803, March 2006. CO-
DEN SJOCE3. ISSN 1064-
8275 (print), 1095-7197 (elec-
tronic). URL http://
epubs.siam.org/volume-28/ art_62856.html.

Elfving:2012:SRP Tommy Elfving, Per Christian Hansen, and Touraj Nikazad. Semi-
convergence and relaxation parameters for projected SIRT algorithms. SIAM Jour-
tronic).
Elman:2005:BPB


Elman:2007:LSP


Estep:2000:CEE


Ewing:2001:MFV


Ewing:2009:SMU


Elliott:2008:CCG

Eriksson:2003:ETS


Espanol:2010:MAS


Espanol:2014:WBM


Eck:1994:PSO


Eisenstat:1993:ESS


Edoh:2001:CLT


Edoh:2003:NAR

Elbarbary:2006:IPM


Elman:1998:ISI


Elman:1999:PSS


Elman:2000:SI


Elton:1996:CLB


Engelborghs:2000:CMC


Enright:1996:RKS


Erlangga:2008:MPB

Erlangga:2009:AMK

Enander:1997:IER

Edwards:1993:AAR

Erlangga:2005:NMB

Engquist:1994:FWB

Erhard:2006:NSP


[ET01] Mark Embree and Lloyd N. Trefethen. Generalizing eigenvalue theorems to pseudospectra theorems. *SIAM Jour-
REFERENCES


[102x681]227

Ertan:2009:QTL


Ern:2013:AIN


Eisenstat:1996:CFT


Eibek:2000:ESA


Engquist:2007:FDM


Edwards:2011:QMM


REFERENCES

CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).

Flegg:2014:ATR


Froyland:2003:DLN


Franzone:2006:AST


Friedrich:2007:EMC


Fietier:2013:MPM


Friis:2008:SPD

REFERENCES

8275 (print), 1095-7197 (electronic).

Ferm:1998:NCG


Fischer:1994:AWP


Fengler:2005:NGS


Falgout:2014:PTI


Fan:1996:PII


Fritzsche:2007:ECG

REFERENCES


REFERENCES


REFERENCES

8275 (print), 1095-7197 (electronic).

Farrell:2013:ADA


Fournier:2013:DGD


Fohring:2014:GIF


Field:1998:OPC


Fournier:2013:DGD


Freitag:1999:PAM


Fu:2011:FIM

REFERENCES


Ayman Farahat, Thomas LoFarO, Joel C. Miller, Gregory Rae, and Lesley A. Ward. Authority rankings from HITS, PageRank, and SALSA: Existence, uniqueness, and effect of initialization. *SIAM
References


REFERENCES


REFERENCES


Fornberg:1995:PAP


Fornberg:2006:PFP


Fornberg:2007:SAF


Fox:2014:CVC


Fidkowski:2010:EAA


Fraley:1998:AMB


Freund:1993:TFQ

REFERENCES


**Friedlander:2012:HDS**


**Friedlander:2013:EHD**


**Falgout:2014:NGC**


**Fokkema:1998:AIN**


**Fokkema:1998:JDS**


**Ford:2003:CKP**

REFERENCES


Gambin:2008:AAP


Garbey:1994:DDS


Garbey:1996:SAP


Garbey:1997:SMS


Garbey:2000:SAS


Garbey:2005:ASM


Gartner:2009:EBD

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>[GBCT10]</td>
<td>Caroline Gatti-Bono, Phillip Colella, and David Trebotich. A second-order ac-</td>
</tr>
</tbody>
</table>


REFERENCES

DEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).


Glimm:1998:TDF


Giraud:2007:CBE


Gaspar:2009:FAM


Glimm:2000:RCA


Gimbutas:2001:CIP


Gil:2002:ATP


Giraud:2010:FGD

REFERENCES

Gresho:2008:ATS


Glimm:2002:ITA


Grote:1997:PPS


Graham:1999:UAS


Gatica:2002:PMM


Ganesh:2007:HHO

REFERENCES

Garba:2013:HHP


Griebel:2014:DRH


Georgoulis:2007:DGM


Gazzola:2014:RLW


Grote:2014:IIP


Gould:2001:SEC


Griesmaier:2012:ISP

[GHR12] Roland Griesmaier, Martin Hanke, and Thorsten Raasch. Inverse source problems for


Edward Givelberg. A weak formulation of the immersed boundary method. *SIAM Journal on Scientific Comput-
REFERENCES


Leslie Greengard and Mary Catherine Kropinski. An inte-

**Garbey:2000:ANS**


**Gear:2003:PMS**


**Gremaud:2005:CSF**


**Gassner:2011:CDD**


**Greif:2011:NCS**


**Gander:2012:BRP**

Martin J. Gander and Felix Kwok. Best Robin parameters

**Gupta:2013:UEP**


**Giraldo:2013:IEF**


**Govaerts:2005:NCB**


**Granat:2010:NPQ**


**Griffin:2008:APG**


**Grama:1998:PHS**

Grajewski:2009:MNA

Garbey:2000:PSM

Giraud:2003:RCM

Guo:2010:MEA

Godinaud:2001:LSM

Giraldi:2014:ISP
Guo:2009:FT


Glaser:2007:FAC


Gejadze:2008:AEC


Georgoulis:2013:MSK


Guckenheimer:1996:CHB


Genz:1998:SIR

REFERENCES

Grimstad:2000:NSS


Guckenheimer:2000:CPO


Gustafsson:2004:TCH


Gunzburger:2011:OCS


Goatin:2013:WFT


Gillman:2014:DSC


Gorodetsky:2014:ELD

REFERENCES


Gander:2002:OSM


Gopalakrishnan:2014:DDE


Gunther:2006:CAA


Grahs:2002:IPN


Gilbert:1998:GMP


Golub:1999:SNM


Francisco J. Gaspar, Yvan Notay, Cornelis W. Oosterlee, and Carmen Rodrigo.


REFERENCES

Goedecker:1997:FRK


Gotze:1994:PIJ


Griebel:2003:AMM


Griebel:2006:ST


Gwynllyw:1996:PIM


Goreinov:2012:WRR


Goritsma:1999:CSA

M. I. Gerritsma and T. N. Phillips. Compatible spectral approximations for the


CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).


References

Gander:2005:OSW


Gross:2005:PMT


Grande:2014:EFE


Greenbaum:2003:CSP


Griebel:1994:MAC


Griebel:1995:PDO

REFERENCES

Giraldo:2010:SIF


Gurel:2010:INF


Gomes-Ruggiero:2009:SPG


Gronchi:2002:SPS


Garcia-Ripoll:2001:OSF


Giraud:2005:CSI


Gustafsson:1997:CSI

[GS97] Kjell Gustafsson and Gustaf Söderlind. Control strategies for the iterative solu-

**Gander:1998:STC**


**Gould:1998:SAI**


**Griebel:2000:PPU**


**Griebel:2002:PPUa**


**Griebel:2002:PPUb**

REFERENCES

Grady:2005:IPN

Gejadze:2012:CDF

Guilleminot:2014:ISB

Grama:2000:IEB

Glimm:1999:FTS

Gil:2009:CCF

Gil:2012:EAA
REFERENCES


REFERENCES


Gurski:2004:HTA


Gutknecht:1993:VBM


Greif:1998:ISC


Gander:2007:APT


Griesse:2007:NSA


Gruber:2009:SOT


Gerner:2012:CRB

Anna-Lena Gerner and Karen Veroy. Certified reduced basis methods for parametrized saddle point problems. SIAM
REFERENCES

Gimbutas:2013:FAS


Golub:1998:IIS


Gunther:2000:ICL


Gustafsson:2004:TCD


Guttel:2014:NCF


Ganguly:2006:ATD

Ghanem:2004:SIU


Gansterer:2003:CAE


Golub:1999:IPC


Goldfarb:2002:IFP


Goldfarb:2005:SOC


Givelberg:2006:DIB


Goldfarb:2009:PMF

Donald Goldfarb and Wotao Yin. Parametric maximum
REFERENCES


REFERENCES


[Har11]


[Haz08a]


[Haz08b]


[HBJ04]


[HBL05]

REFERENCES

Holmgren:2000:CAL


Hristopulos:1998:NIS


Hovland:1997:EDC


Hawkins:2005:IWS


Hilditch:1995:FTM


Homa:2013:BPC

Hegemann:2013:EUS


Hogea:2008:BTI


Hegland:1995:IMM


Heitzig:2013:MTB


Helsing:2011:FSS

REFERENCES

Henn:2005:MMF

Henshaw:2005:MOG

Henshaw:2006:HOA

Herty:2008:CCN

Hesthaven:1997:SPM

Hesthaven:1998:SPM

Huang:2011:MP
REFERENCES


Hyman:2014:CDT


Hartmann:2002:ADG


Horesh:2011:SOD


Hauret:2013:DDS


Han:2010:DOD


Hu:2007:BSV


Hickernell:2000:ELS


REFERENCES

(Hig2000:PSE)

(HH00)

(Hig93)

(Hig1993:AFP)

(Hig95)

(HJ98)

(Hayes:2007:FSA)

(Huang:2007:BDB)
Zhongyi Huang, Shi Jin, Peter A. Markowich, and Christof Sparber. A Bloch decomposition–based split-step pseudospectral method for quantum dynamics with


REFERENCES

Herty:2003:MSO


Higdon:2004:CFD


Hamlington:2013:EGB


Hamalainen:2013:ST


Huang:1997:CIT


Howle:2013:BPC


Hegland:1999:PAR

Markus Hegland, Margaret Kahn, and Michael Osborne.

Haase:2002:PAM


Hough:2001:APP


Hendrickson:1995:ISG


Huang:1997:AVM


Hochbruck:1998:EAK


He:2009:FES

Hochbruck:2010:MJD

Heys:2009:EMC

Haidar:2012:THP

Hwang:2003:NSQ

Henson:1996:MIR

Horak:2008:NVM
Jiří Horáček, Gabriel J. Lord, and Mark A. Peletier. Nu-


Hauser:2004:COC


Havé:2013:ADD


Higueras:2009:DIP


Halko:2011:APC


Hueber:2007:EAP


Heinkenschloss:2006:NND


Hechme:2008:EMC

[HNS08] Grace Hechme, Yuri M. Nechepurenko, and Miloud

Hansen:1993:UCR


Holmgren:1994:SPF


Hemmingsson:1996:AST


Hochstenbach:2001:JDT


Hoffman:2004:DBP

REFERENCES

Hoffman:2005:CMD


Hogg:2013:FDT


Holmstrom:1999:SHP


Horenko:2010:FEA


Hoskuldsson:1994:DAM


Han:2003:DHS


Higham:1994:SPI

REFERENCES

Hanert:2014:CPM


Herty:2006:DVM


Heubeck:2008:NFE


Hanke:1996:GHC


Hendrickson:1998:IRT


Hrycak:1998:IFM


Hebeker:1999:AFe

REFERENCES


[Hri05] Dionissios T. Hristopulos. Erratum: Spartan Gibbs random field models for geosta-


REFERENCES


REFERENCES


REFERENCES

Hatz:2012:EPO

Huckle:2004:PSH

Heroux:2007:PSS

Heinkenschloss:2008:BTM

Huber:2009:SDP

Hueber:2008:PDA
REFERENCES

Hauret:2008:ECC


Hesthaven:2012:CRB


Hesthaven:2000:SSM


Hale:2013:FA


Harbrecht:2013:NSS


Hale:2014:ACL

REFERENCES

Hale:2014:FSS


Hu:2005:TIA


Hiriyur:2012:QAM


Huang:2005:MMQ


Huckle:1993:SAC


Huckle:2008:CFA


Hunt:1995:TDF

REFERENCES


Greg Henry and Robert van de Geijn. Parallelizing the QR algorithm for the unsymmetric algebraic eigenvalue prob-

**Hochstenbach:2003:ARQ**


**Horton:1995:APP**


**Hendrickson:1994:TWM**


**Hermey:1999:FDE**


**Henn:2001:IMR**


**Henn:2003:MIR**

Huang:2009:EAS


Han:2013:MMS


Haut:2014:APT


He:2014:GPG


Hwang:2007:ISD


Henry:2002:PIN


Holland:2005:SAI

Huang:2011:SDG


Huang:2013:DGM


Holmes:2008:FFF


Hsieh:2010:NLS


Hu:2014:PWL


Hicken:2010:SFV


Hicken:2011:SFE

Jason E. Hicken and David W. Zingg. Superconvergent functional estimates from summation-by-parts finite-difference discretizations. *SIAM
REFERENCES


[IL08] Ionita:2014:DDP


[IK10] Imai:2010:QMC


[IK05] Ito:2005:HOC

[ILK05] Kazufumi Ito, Zhilin Li, and Yaw Kyei. Higher-order,

**Iavernaro:1997:CSM**


**Iyengar:1998:SPA**


**Iavernaro:1999:BBV**


**Iwata:1996:PDC**


**In:1999:NEE**


**Iwashita:2005:CCP**

Takeshi Iwashita, Yuuichi Nakamishi, and Masaaki Shimasaki. Comparison criteria for parallel orderings in
REFERENCES


**Inverarity:2002:FCM**


**Isaacson:2006:IDC**


**Ixaru:2006:FCS**


**Imai:2009:AQM**


**Ito:2009:LMA**

Kazufumi Ito and Jari Toivanen. Lagrange multiplier approach with optimized finite

**Imai:2014:PDS**


**intHout:2011:CIM**


**Iliescu:2014:SDQ**


**Jackiewicz:2003:DOP**


**Jahnke:2004:LTS**


**Jahnke:2010:AWM**


**Jameson:1996:DMD**

Leland Jameson. The differentiation matrix for Daubechies-


REFERENCES

304


REFERENCES


Jin:2008:CIR


Jarlebring:2010:KMD


Jager:2001:AAL


Jia:2010:RHL


Joe:1993:CDD


Joe:1995:CTD


Joubert:1994:RGB

REFERENCES


Jiranek:2010:PEE


Jiang:2013:AFF


Jiang:1998:NCS


Jiang:2012:IEM


REFERENCES


Kapoorin:1995:CNE


Knyazev:2007:BLO


Kang:2003:NFE


Kanschat:2003:PML


Karni:1996:HMA

Kasenally:1995:GGM


Knusel:1996:CNG


Kameswaran:2008:ANP


Kerr:2008:FMC


Kandaswamy:2009:ASN


Kilmer:2005:RSI


Kearfott:1997:EEI

[Kea97] R. Baker Kearfott. Empirical evaluation of innovations in interval branch and bound algorithms for nonlin-


[KGM+11] Maka Karalashvili, Sven Groß, Wolfgang Marquardt, Adel


Korn:1996:VMB


Kreutzer:2014:USM


Kim:2005:DGM


Kim:2008:DCG


Kirby:2014:LCF


Karypis:1998:FHQ


Khamayseh:2002:HCP


REFERENCES

318

8275 (print), 1095-7197 (electronic).

[KK08]

[KKS13]

[KKT13]

[KK13]

[KL94]

[KL00a]

[KL00b]
Anne Kvaerno and Ben Leimkuhler. A time-reversible,

**REFERENCES**

**Kay:2005:BPH**


**Kim:2006:NDP**


**KL05**


**Kwon:2011:SOT**


**Kolmbauer:2012:RPM**


**Kleefeld:2013:GGM**

Andreas Kleefeld and Tzu-Chu Lin. A global Galerkin method for solving the exterior Neumann problem for the Helmholtz equation using Panich’s integral equation approach. *SIAM Journal on

Kormann:2013:GRB

Klar:1998:AID

Klawonn:1998:BTP

Klawonn:1998:OPC

Klawonn:1999:NMK

Kim:2010:IBH
Kenney:1998:SCE


Klawonn:2014:NFD


Kolehmainen:2008:LDX


Kirby:2006:TOE


Kinderlehrer:2006:VAM


Kay:2002:PSS


Klingler:2005:FMM

Klingler:2007:RPF


Kovvali:2006:RPP


Karlin:1997:TMA


Knoll:1998:ENI


Kuznetsov:2005:NNF


Kallemov:2011:SOS

Kunis:2012:SAB


Ketcheson:2012:PAE


Kilmer:2001:QBP


Kelley:1998:TNC

Kavvadias:1999:LCA


Kavvadias:2005:ECM


Khoromskij:1999:FFE


Knappek:1998:MDM


Kaneko:2012:WCM


Kurganov:2001:SCU

REFERENCES

Knupp:1996:JWE


Knupp:2001:AMQ


Knyazev:2001:TOP


Kilmer:1999:PCL


Kanno:2005:CA


Kummer:2013:EDG


Kofman:2004:DES

Kolibal:1999:ICD


Kortanek:1993:VSE


Koster:2007:NSA


Koutsourelakis:2009:AUQ


Kreiss:2005:SO


Kim:2006:DPS


Kreiss:2006:EBM

Kunis:2007:SRS


Kamakoti:2009:HON


Kurganov:2009:CUS


Knezevic:2010:CRB


Kim:2011:FNM


Kaufman:2012:GNI


Kissmann:2012:SFV

REFERENCES


[KPP+14]

Kolda:2014:CTM


[Kolda:2014:CTM]

Kolda:2014:SGG


[Kolda:2014:SGG]

Kunik:2004:BTF


[Kunik:2004:BTF]

Knoll:1999:MPN

D. A. Knoll and W. J. Rider. A multigrid preconditioned Newton–Krylov
Knupp:2000:FVG


Klawonn:2006:PIM


Klein:2011:FOT


Kushnir:2012:HAS


Kanschat:2014:RMP


Kraus:2008:AMB

REFERENCES


REFERENCES


[KT08] Johannes K. Kraus and Satyendra K. Tomar. Multi-


[Harold J. Kushner. Domain decomposition methods...


REFERENCES

8275 (print), 1095-7197 (electronic).

**Knoll:2001:PNK**

**Klawonn:2000:DDM**

**Kay:2007:ENS**

**Krasny:2011:FEM**

**Kulikov:2010:VSI**

**Kumar:2010:NMP**

**Kwak:1999:CMC**
REFERENCES

Kumar:2013:RFR


Kelley:1996:GIO


Kimmel:2003:AMA


Koren:2005:AMR


Kimmel:2003:AMA


Kolda:2014:SST


Kyei:2012:STF


Keung:2000:ELS


KX96


KZ00


KZ12


Kyei:2012:STF


KZ00

REFERENCES


**Labbe:2005:FCL**


**Lai:2014:FDS**


**Lamour:1997:SMF**


**Lang:1993:PAR**


**Langtangen:1994:NSF**


**Lang:1998:ULB**


**Langer:2010:IPT**

[Lan10] Stefan Langer. Investigation of preconditioning techniques for the iteratively regularized...

**Langtangen:2012:SR**


**Larsson:1999:DDM**


**Layton:2003:SLC**


**Layton:2006:MWT**


**Livshits:2006:APW**


**Luttman:2007:VA**

Aaron Luttman and John Bardsley. A variational approach to video segmentation


**Langou:2007:RPI**


**Letourneau:2014:CFM**


**Lord:1999:CHO**


**Landry:2009:SOC**


**Lorber:1996:ORI**


**Larsson:2014:IAC**

REFERENCES

Lin:1995:MPM

Lu:2003:QMR

Lu:2004:HDI

Lombard:2005:ESI

Luo:2011:EPN

Llorente:2000:APS
LaSpina:2012:HRF


LeRoux:2011:TDS


LeRoux:2001:NTF


LeRoux:2005:DRA


LeBorne:2009:PNM


Lamine:2010:HOM


Lee:2009:GCM

REFERENCES

1064-8275 (print), 1095-7197 (electronic).


Lee:2013:FHR


Lord:2008:FAF


Li:2014:WFB


Lopez-Fernandez:2008:AFO


Lim:2008:DCR


Lee:1997:FAN


Li:2009:HOA


Li:1994:SAM

Li:1999:MRA

Li:2001:MPP

Li:2003:NJB

Li:2010:FTS

Lie:1993:UIO

Lin:2006:MTR

Liu:1993:MMD
[Jun Liu. A multiresolution method for distributed param-


REFERENCES

8275 (print), 1095-7197 (electronic).


Liovic:2008:NKS


Li:2011:BIM


Lappas:1999:RIM


Larsson:2013:SCD


Lin:2008:LTN


Layton:1998:NSS

REFERENCES

Legoll:2013:MMP


Li:2008:MLS


Li:2009:SLS


Lin:1999:ICF


Lackner:2000:MLS


Langville:2005:RPP


Lemou:2005:ISF


[Lotstedt:2004:MRI] Per Löststedt and Martin Nilsson. A minimal residual in-


[LNSZ06] Doron Levy, Suhas Nayak, Chi-Wang Shu, and Yong-
REFERENCES


REFERENCES


[Lp13] Omar Lakkis and Tristan

Lozinski:2009:AEE


Li:1998:SMM


Lee:2010:SIA


Liu:2013:AES

ISSN 1064-8275 (print), 1095-7197 (electronic).

Lassila:2012:RBM


Li:2014:ULB


Lust:1998:ANP


Leung:1999:CPI


Lasser:2010:CEV


Lehrenfeld:2012:NXS


LeMaître:2004:NCC

Olivier Le Maître, M. T. Reagan, B. Debusschere, H. N. Najm, R. G. Ghanem, and O. M. Knio. Natural con-

**LeRoux:2007:ANI**


**Liesen:2002:LSR**


**Lamp:2011:ALA**


**Litvinov:2011:MTS**


**Lanzkron:1996:AAN**


**Lee:1994:TPS**

REFERENCES

DEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).

LeVeque:1995:ODF


Lage:1999:WGA


Lyche:2000:MTS


Lubich:2002:FCN


Li:2005:SRV


Liesen:2005:GCA


Liu:2009:AND

J. J. Liu and M. Sini. On the accuracy of the numerical detection of complex obstacles

**Lafitte:2012:APP**


**Lenoir:2012:EDS**


**Lebiedz:2013:CME**


Li:2003:CVG


**Lowengrub:1993:HOE**


**Little:2003:BPS**

Leigh Little, Yousef Saad, and Laurent Smoch. Block LU

---


---


---


---


---


---

REFERENCES


[Lui01]


[LV94]


[LV98]


[LV07]


[LV10]


[LV13]


[LVWW03]
REFERENCES


Lumsdaine:1997:SPW


Liska:2003:CSD


Loghin:2004:APS


Labeur:2012:ESM


Lieberman:2012:GOI


Lieberman:2014:NGO

Li:2003:NFI


Lieberman:2010:PSM


Liu:2012:CFP


Liu:2014:SBM


Laub:2008:SCE

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Journal and Details</th>
</tr>
</thead>
</table>
REFERENCES


Mannella:2005:NSI


Marquina:1994:LPH


Marcozzi:2003:VAO


Marina:2009:SWR


Mathias:1995:IPP


Maubach:1995:LBR

REFERENCES


[Mayer:2005:AWD]


[Mastronardi:1999:CSE]


[Martinson:2002:ICA]


[Martinson:2000:DIP]


[Metivier:2013:FWI]

REFERENCES

ISSN 1064-8275 (print), 1095-7197 (electronic).

Morokoff:1994:QRS

Milovanovic:2005:GTQ

Martin:2009:RRS

Mattsson:2010:SAI

McGillen:1995:PSI

Mittelmann:1994:ISE

McLachlan:1995:NIO
DEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).


[MEF09] Svend Tollak Munkejord, Steinar Evje, and Tore Flåtten. A MUSTA scheme

[Menikoff:1994:EWS]


[Meurant:2001:ICD]


[Meurant:2011:ENE]


[Ma:2006:CCR]


[Malas:2007:IPM]


[Malas:2009:AMF]


[Malas:2011:SCP]

Tahir Malas and Levent Gürer. Schur complement preconditioners for surface integral-equation formulations of dielectric problems solved with


REFERENCES


REFERENCES


**Mehra:2008:AMW**

**Mirzaee:2013:SIA**

**Manguoglu:2010:WMO**

**Mazzi:2011:DR**

**Massing:2013:EIF**

**Monga-Made:1995:OSM**
REFERENCES

[M tenga-Made:1998:TAP]

[Mustapha:2007:NAS]

[MacLachlan:2013:RSS]

[Martín:2014:FFF]

[Moulton:1998:ASC]

[Manteuffel:1994:PVM]

[Manteuffel:1995:FMA]

Manteuffel:1996:FMA


Monga-Made:2000:DRB


Maday:1999:AIM


Mitchell:2005:ABS


Morano:1998:CSU


McLachlan:2013:SII

[R. I. McLachlan, Klas Modin, Olivier Verdier, and Matt Wilkins. Symplectic integrators for index 1 constraints. *SIAM Journal on
REFERENCES


REFERENCES

380

Migliorati:2013:AQI


Marquina:2000:EAN


MacLachlan:2008:AMS


Mikula:2010:NLS


MacLachlan:2012:MCS


Monnigmann:2008:ECB

Moore:2000:AFE


Morgan:2002:GDR


Monk:1994:DAF


Micheletti:2008:OFC


Mathew:1998:DDO


Munteanu:2009:SNK


Mu:1994:PDD

REFERENCES

ISSN 1064-8275 (print), 1095-7197 (electronic).


REFERENCES


REFERENCES

Mueller:2003:DRC

Mascagni:2004:MCM

Matthies:2006:MMI

MacLachlan:2007:GCS

Mahawar:2007:PIS
REFERENCES

ISSN 1064-8275 (print), 1095-7197 (electronic).

**Makarov:2007:SAH**


**Moro:2007:BPS**


**Monk:2012:FEM**


**Meng:2014:LPI**


**Mathew:2010:ABP**

REFERENCES

8275 (print), 1095-7197 (electronic).


REFERENCES


REFERENCES


Mu:1999:SCP

Margenov:1994:AMP

Mackens:2000:CME

Muller:2006:RPE

Madrane:2009:TDA

Mehrmann:2001:SPM
Matheis:2003:CSW


Malham:2008:SLG


Melton:2008:AST


More:2011:ECN


Miki:2013:AAI


Martin:2012:SNM


Misici:1994:TDI

REFERENCES

ISSN 1064-8275 (print), 1095-7197 (electronic).

Mo:2009:SHA


MZW09

Nagy:1993:FIF


Nag93

Nakamura:1998:CLT


Nak98

Nasser:2009:NCM


Nas09

Nasser:2013:FBI


NAS13

Natarajan:1995:DDU


Nat95

Natarajan:1997:DDU


Akil Narayan, Claude Gittelson, and Dongbin Xiu. A

**Nazarov:2012:SDP**


**Nakatsukasa:2013:SES**


**Newman:2014:PVD**


**Nannen:2013:ESH**


**Nievergelt:2006:EPD**


**Nikolaesjen:2000:ILE**

Nikola:2013:FSD


Nitsche:1999:AVS


Narayan:2014:ALS


Newman:2013:PBP


Nabors:1994:PAM


Nourgaliev:2010:MRL


Narumi:2008:AMD


Iterative methods in numerical linear algebra (Copper Mountain Resort, CO, 1992).


**Napov:2012:AMM**


**Napov:2014:AMM**


**Nordstrom:1999:FRT**


**Nemitz:2009:FEM**


**Nicolova:2013:DFC**


**Nagy:1998:RID**

Nordstrom:2007:EBS


Ng:1993:SCF


Ng:1993:BSC


Ng:1996:FRL


Neumann:2008:CDB

Ng:2010:AIC


Ng:2014:WTR


Neuberger:1998:SGG


Negri:2013:RBM


Nicholls:2006:SHO


Ng:2003:RBP


Nordsletten:2010:PFE

David Nordsletten, Nicolas Smith, and David Kay. A preconditioner for the finite element approximation to the arbitrary Lagrangian–


REFERENCES

Ng:2011:IAD

Narayan:2012:SCM

Narayan:2013:CNN

Nataf:2011:CSC

Naga:2006:EEA

Ogielski:1993:SMC

Ozyurt:2005:CSO
Derya B. Özyurt and Paul I. Barton. Cheap second order directional derivatives of stiff ODE embedded func-
REFERENCES


Luis Ortiz-Gracia and Cornelis W. Oosterlee. Robust pricing of European options with wavelets and the characteristic function. *SIAM
Osting:2013:MCC


Osei-Kuffuor:2014:SAL


Okten:2005:SLE


Osnes:1998:SSF


OLeary:2001:NOP


Oliveira:2001:EPQ


Olson:2007:AMP

Luke Olson. Algebraic multigrid preconditioning of high-

**Olgaard:2008:ACG**


**Ong:1994:URT**


**Ong:1997:HBP**


**Oden:2006:MMP**


**Olshanskii:2002:NSE**


**Ogita:2005:ASD**

Of:2012:CDG


Osborne:1995:MPA


Olsson:1998:SVP


Olahberger:2014:DRA


Ould-Salihi:2000:BFD


Oseledets:2011:TTD


Olson:2011:GIS

REFERENCES


Of:2010:FEV


Oseledets:2009:BCD


Oseledets:2011:AWT


Oseledets:2011:AWT

Olshanskii:2007:PSC


Oosterlee:1998:EPM


Oosterlee:2000:KSA


Oosterlee:2002:GSO

[OW02] C. W. Oosterlee and R. Wientands. A genetic search
REFERENCES


**Osting:2014:MDE**


**Picasso:2011:NSS**


**Pathria:1997:CFI**


**Pavarino:1998:PMS**


**Prudencio:2005:PFS**


**Portugal:1996:IIP**


**Pajot:2014:GAC**


**Peherstorfer:2014:LDE**


**Putti:1998:FEA**


**Prudencio:2007:PMR**


**Pinelli:1996:EIS**


**Perrey-Debain:2009:GAE**

REFERENCES

Plessix:1999:WIR


Pares:2009:EBL


Poulson:2014:PBA


[PDVM08] D. Pardo, L. Demkowicz, C. Torres-Verdún, and C. Micli-

[PEC+14] Michael L. Parks, Eric de Sturler, Greg Mackey, Duane D. John-

[PdSM+06] Michael L. Parks, Eric de Sturler, Greg Mackey, Duane D. John-

References


Pekurovsky:2012:PFP


Pelz:1993:PCF


Poulson:2013:PSP


Pember:1993:NMH


Penzl:2000:CLR


Petersson:1993:CPG


Petersson:1999:AA

REFERENCES


J. L. Peterson and G. W. Hammett. Positivity preservation and advection algorithms with applications to


REFERENCES

**Pan:2014:PTD**


**Park:2013:ETA**


**Pao:2003:BMI**


**Pelanti:2006:HRF**


**Peng:2012:SNN**


**Plantenga:1998:TRM**


**Phillips:1995:MCM**

REFERENCES


**References**

**Pernice:2005:SER**


**Peraire:2008:CDG**


**Persson:2008:NGP**


**Patz:2012:CFE**


**Popov:2012:DRO**


**Pippig:2013:PTD**

REFERENCES


Jan Pomplun and Frank Schmidt. Accelerated a posteriori error estimation for the reduced basis method with application to 3D electromagnetic scattering problems. *SIAM Journal on


[P10a]


[P11b]


REFERENCES


Perrin:2012:IPC


Pellikka:2013:HCC


Petra:2014:AIF


Papakostas:1999:HPL


Pernice:2001:MPN


Pryce:2008:FAD


Prins:2014:MAS

C. R. Prins, J. H. M. Ten Thije Boonkkamp, J. van Roosmalen, W. L. Jzerman, and


Mauro Perego, Alessandro Veneziani, and Christian Ver-gara. A variational approach for estimating the com-

**Pernice:1998:NNI**


**Patterson:2012:SWP**


**Pisciuneri:2013:IPF**


**Pavic:2007:OSM**

REFERENCES


REFERENCES

Qin:2014:FEF

Rankin:2014:CLC

Raghavan:1995:DSG

Rahola:1996:SDS

Rahola:2000:EVI

Rahman:2013:UQA

Randez:1993:ONI
L. Rández. Optimizing the numerical integration of initial value problems in shooting


References

Redner:1999:CRU


Reginska:1996:RPD


Reich:2013:NET


Reusken:1999:ACR


Rollin:2007:IAG


Richter:2010:DDF


Fang:2012:FLP


Carmen Rodrigo, Francisco J. Gaspar, Cornelis W. Oosterlee, and Irad Yavneh. Accuracy measures and Fourier analysis for the full multigrid algorithm. *SIAM Journal on...

Remaki:2006:DMA


Rodriguez:2009:IMS


Rossinelli:2011:MMG


Roberts:2007:GTB


Rognes:2009:EAC


Ray:2007:UHO

Roosta-Khorasani:2014:SAI


Rawat:2010:NDD


Rognes:2013:AGO


Rostand:2008:KAD


Restrepo:1998:CSL


Ruge:2000:NMS


Rommes:2008:CTF

[RM08a] Joost Rommes and Nelson Martins. Computing trans-

**[Ryland:2008:MPR]**


**[RMB00]**


**[Rubensson:2014:IED]**

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Iterative Methods, April 9–14, 1992, ed. T. Manteuffel, University of Colorado at Denver.


**Rees:2011:PIM**


**Richter:2013:OCP**


**Reichel:1995:OCS**


**Rud:2014:NNS**


**Russell:2007:MCM**


**Rasch:2003:ESS**


**Recchioni:2003:UWO**


**Smaoui:1997:TCS**


**Saurel:1999:SMC**


**Saa93**


**Saa96**


**Saa03**

Saad:2005:MIR


Stolk:2014:MMH


Strychalski:2010:SBS


Santarelli:2010:FRO


Sartenaer:1997:ADI


Sartoris:1998:RMF


Smaoui:2003:ADC

REFERENCES


Sand:1998:JWR


Singer:2005:BSP


Sampath:2010:PGM


Sorensen:2013:LPS


Saarinen:1993:ICN


Saibaba:2013:FKS


Sidje:2007:IUM

References


Sonday:2011:EJG

Sauer-Budge:2004:CBL

Schulz:1998:EIN

Shu:2008:MPM

Spotz:1998:IPP
REFERENCES


REFERENCES


Schaffer:1998:SMM


Scheichl:2002:DTD


Schmidt:2003:PEE


Schaffer:2005:SAD


Schei:2009:ATE


Schweitzer:2010:SUG


Schweitzer:2013:VML

Marc Alexander Schweitzer. Variational mass lumping in the partition of unity method.
Sharma:2010:NIS


Subbey:2004:IUC


Serra-Capizzano:2004:MMM


Soize:2010:CAC


Suhov:2011:ABC


Sargsyan:2010:SRR

Shakourifar:2011:RAS


Shakourifar:2013:CRT


Sei:1995:FNS


Semplice:2010:PIS


Serna:2006:CEL


Sussman:1999:EIP


Stiller:2008:FTN

Jörg Stiller and Uwe Fladrich. Factorization techniques for nodal spectral elements in
REFERENCES


**Simoncini:1995:IMN**


**Soize:2004:PSR**


**Scheben:2011:IMN**


**Skeel:2001:PCM**


**Sorensen:2014:MPB**


**Shapira:1999:MLR**


**Shardlow:2003:SDP**

REFERENCES


REFERENCES

Shapira:1996:TAM


Sboui:2009:CMF


Smyrlis:2005:MFS


Skelboe:2000:ADI


Skeel:2009:WMM


Song:2013:ABE

Yizhuang Song, Hyeuknam Kwon, Kiwan Jeon, Yoon Mo Jung, Jin Keum Seo, and


REFERENCES


REFERENCES


Sussman:2009:SEM


Stathopoulos:2010:CDE


Sonneveld:2012:CBI


Simoncini:2002:NSA


Sahoo:2003:CA


Schmidt:2013:DEP


Sun:2002:GNI

Xiaobai Sun and Enrique S. Quintana-Ortí. The general-

Shampine:1997:MOS [SS93a]


Schulz-Rinne:1993:NSR [SSCG93]


Schrader:2012:CBK [SRS12]


Sharp:1993:ERK [SS93a]


Steinhorsson:1993:MRA [SS93b]


Strikwerda:1993:DDM [SS93c]

REFERENCES

Stell:1995:FDM


Sarin:1998:EIM


Saad:1999:DSC


Simoncini:2003:TIK


Shitrit:2010:TAA


Simoncini:2010:IIP


Sundar:2008:BCB

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Stefanica:2001:NSF

Stewart:2002:ARQ

Stewart:2008:BGS

Stefanov:2011:DCR

Stromberg:1993:CEL

Strain:1994:FAM

Strain:1995:LCM
REFERENCES


References


Philipp Stumm and Andrea Walther. New algorithms for optimal online checkpointing. *SIAM Journal on Scien-
Szusz:2010:LTA

Swarztrauber:2002:CPW

Sheu:2000:EEP

Schenk:2008:IRP

Sun:2011:USB

Sheng:2008:NPS


REFERENCES


Tolsma:1999:ECS


Tolsma:2002:HDP


Tuminaro:2011:SSC


Thanh:2014:RRI


Turner:2010:EBL


Torres:1999:PST


Thuburn:2012:FMD


REFERENCES

A2459–A2481, ??? 2012. CODEN SJOCE3. ISSN 1064-8275 (print), 1095-7197 (electronic).


[Ton94] Charles H. Tong. A family of quasi-minimal residual

[Torrilhon:2005:LDP]

[Torrilhon:2012:KRS]

[Tsitouras:1999:CEE]

[Teran:2009:TFC]

[Trazzi:2009:ART]

[Tang:1993:NAS]

[Trangenstein:1995:AMR]
John A. Trangenstein. Adaptive mesh refinement for

**Trench:1993:NCE**


**Trench:1997:NSI**


**Tang:2011:DDT**


**Tranquilli:2014:RKM**


**Tian:2009:CBM**


**Tsynkov:2014:ABC**


**Tsynkov:1999:EBC**

Semyon V. Tsynkov. External boundary conditions


Tu:2007:TLB


Tuminaro:2010:SIC


Tonn:2010:OCP


Terlaky:1998:CML


Tsomanopoulou:1998:AMC


Tocino:2002:WSO


Catalyurek:2010:TDS

[Um t V. Çatalyurek, Cevdet Aykanat, and Bora Uçar. On

**Terragni:2011:LPP**

**Tuminaro:1993:AMF**

**Tveito:1995:SNH**

**Turkington:1996:SEC**

**Tausch:2003:MBS**

**Tang:2005:CHR**


Taasan:1995:MWR


Tang:2014:DLS


Ucar:2004:EMC


Ullmann:2012:EIS


Ullmann:2010:KPP


Ushakova:2001:CNT

REFERENCES


vanBrummelen:2005:NSF


Vanek:1999:TGM


VanDaele:2000:SDC


vanderHouwen:1997:TII


vanDorsselaer:2003:SCI


Vandebril:2010:IMA


vandenBerg:2008:PPF

Ewout van den Berg and Michael P. Friedlander. Prob-


[vdVY00] Henk A. van der Vorst and

vanderZee:2010:GOEa


vanderZee:2010:GOEb


vHBC12

VanderZee:2010:WCT


Villa:2009:CWI


Vilmart:2014:WSO


Virnik:2007:AMP


Vecharynski:2013:AVP


Vecharynski:2010:CCR


vanLeeuwen:2014:FDS


Vannieuwenhoven:2013:IIM

[VM13] Nick Vannieuwenhoven and Karl Meerbergen. IMF: an incomplete multifrontal LU-factorization for element-structured sparse linear sys-

[Vdovina:2009:TSS]


[VanBeeumen:2013:RKM]


[Valougeorgis:2003:ASD]


[vanNoorden:2004:BRU]


[Vogel:1996:IMT]


[vonMatt:1997:OA]

REFERENCES

Vallaghe:2010:TIF


Vomel:2011:DLI


Vallaghe:2014:SCR


Volkov:2005:AEB


Vioreanu:2014:SMO


Vukovic:2003:USE


Verwer:2004:IER


REFERENCES

- **Wang:1997:RNN**

- **Wang:2001:SBQ**

- **Wang:2004:JCC**

- **Wang:2007:TCI**
  Quan-Fang Wang. Theoretical and computational issues


[Wang07b]


[Wan12]


[Wang:2013:ESAa]


[War13]


[Wu:1994:RWH]


Watson:2004:RSG


Wilders:1999:SSA


Warming:2000:DMA


Wadbro:2008:MTU


Witteveen:2008:MCA


Wang:2012:FFD


Weiss:2009:EST

Walshaw:2000:MPM


Wan:2003:PEA


Wei:2014:AMR


Wan:2000:EMI


Wang:1999:ESA


Wu:2006:ACG

REFERENCES


Wang:1997:CIO

Wright:2008:ERM

Wang:2014:HOS

Washio:1995:OMM

Wolf:2009:COM

Wu:2013:SWR

Wang:2013:PA
Witteveen:2012:RCS


Witteveen:2012:SSC


Willms:2009:BDP


Winkler:2006:HOT


Winter:2010:WGS


Washio:2008:PMT


Wohlmuth:2003:MMM

REFERENCES


REFERENCES


Wee:2009:CCC


Wen:2013:ARS


Wen:2008:IAB


Washio:1998:FMS


Wienands:2001:TGF


Wang:2009:FDO


Wood:1994:MSS

S. N. Wood. Monotonic smoothing splines fitted by cross validation. *SIAM Journal on Scientific Computing,*


Stefan M. Wild, Rommel G. Regis, and Christine A. Shoemaker. ORBIT: Optimization by radial basis function


Wacber:2007:SGW


Warburton:1999:BFT

Wang:2014:WCC


Wright:2001:LSC


Wolfgang:1994:CGL


Wilkins:2009:SAO


Wu:1999:SUS


Wieners:2003:DEM

REFERENCES


Wan:2004:SST


Wienands:2009:CCA


Wang:2012:LAD


Woo:2013:PLA


Wen:2010:FAS


Wang:2003:MCP


Wang:2013:CBE


Xia:2013:ESM


Xie:2005:NBP


Xie:2012:FSN


Xie:2013:EAN


Xiu:2002:WAP


Xin:2008:NSI


Xie:2008:NMG

References

ISSN 1064-8275 (print), 1095-7197 (electronic).


REFERENCES


[Xu:2014:SID]  Zhiqiang Xu and Tao Zhou. On sparse interpolation and
REFERENCES


**Xie:2011:CMG**


**Yamaleev:2002:OTD**


**Yan:1994:SPI**


**Yano:2014:STP**


**Yavneh:1993:MDE**


**Yavneh:1996:RBS**


**Yavneh:1998:CGC**

Irad Yavneh. Coarse-grid correction for nonelliptic and


 REFERENCES


tronic). Numerical instability from the use of a monomial basis has been reported and repaired [KM12].

[Yiu:1995:OCM]

[Yan:2013:SPB]

[YK03]

[Yang:2014:QRL]

[Yang:2007:TRD]

[You94]
REFERENCES


Zaslavsky:1995:AAM

Zouros:2012:TES

Zbinden:2011:PRK

Zhang:2012:EEA
Zhongqiang Zhang, Minseok Choi, and George Em Karniadakis. Error estimates for the ANOVA method with polyno-
Zhu:2006:SDL

Zhao:2004:TDM

Zayernouri:2014:SDS
Zhang:2009:NSD


Zhou:2009:FAM


Zhang:2014:FOI


Zhao:2014:NKH


Zelinski:2010:SSS


Zhu:2009:CRH


Zhang:1994:MSM

Zhan:1996:CEP


Zhang:1997:GCG


Zheng:2007:NSS


Zheng:2010:PEE


Ziegler:2012:BSA


Zimmermann:2013:MLT


Zimmermann:2014:LPR

REFERENCES


Zubik-Kowal:1999:WRF


Zeng:2003:FCM


Zhang:1998:HMP


Zingg:1996:HAF


Zeng:2013:UFD


Zhang:2012:MPS

Zachary:1994:HOG


Zhao:2010:AFE


Zhang:2005:NFE


Zhou:2014:MDL


Zivari-Piran:2012:AFO


Zhang:2012:MWC


Zha:1999:UPL

Zhuan:2002:SEI


Zhang:2003:HO


Zou:2004:RVR


Zhang:2014:FLF


Zhou:2010:CUM


Zhang:2014:RSG


Zhang:2005:GLM

Chengjian Zhang and Stefan Vandewalle. General linear methods for Volterra integro-differential equations

**Zhou:1994:RST**


**Zhao:2003:CDS**


**Zhang:2014:ACE**


**Zhao:2013:TVS**


**Zygalakis:2011:EAM**


**Zhu:2005:NDA**

REFERENCES


Zhang:2004:PMN


Zhao:2014:FOC


Zhang:2014:GTO