A Complete Bibliography of Publications in *Journal of Computational Physics*: 1980–1989

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Title word cross-reference

$0-Z$ [PRV89]. 1 [BaB86, CS82, DD87, Eck89, Kli83, Law89, Oli80]. 2 [BHM+83, Eck89, HLAD84, Hu89, Mas87, SW88]. 3 [ABS82, AHH87, BHM+83, BBGN80, CS81a, Eck89, For89, FSD81, GHC+86, GGR89, GRS89, HLAD84, HCH+81, KE87, MD81b, OvOH89, TB89, WMM86, WCR+88, WWM+81]. 600 [For85]. $_4$ [Ves82]. $Au = \lambda Bu$ [MM89]. $Ax = \lambda Bx$ [Kal84]. B [Mon85]. β [TST+86]. $d^2x/dt^2 = f(x)$ [Qin88]. $\ddot{x} = f(x)$ [Gre84a]. $E_\nu(x)$ [CLM88]. $\exp(A_1 + A_2X)$ [Mun81]. $F_\lambda(\eta, x)$ [Bar82]. $G_\lambda(\eta, x)$ [Bar82]. H [TST+86]. h^4 [DH89]. H_0^1 [CBLL86]. I [Hag80]. I_p [SGT88]. $\int_0^\infty \exp[-s(\psi + y\cos\psi - z\sin\psi)]\,d\psi$ [Col81b]. $J_0(x)$ [GM88, LM87a]. $J_1(x)$ [GM88]. $J_1(x)Y_1(\rho x) - J_1(\rho x)Y_1(x) = 0$ [Cur82]. $J_\nu(x)$ [MG89]. L [GS83, Tem80]. $\lambda x^2/(1 + gx^2)$ [Hau81]. LU [Ker80]. N [Bor86, Can81, LJ81, Tem88b]. $\nabla \cdot B$ [BB80]. $\nabla \cdot \nabla x = 0$ [Car89]. $O(v/c)$ [MK82]. $\omega_{\mathrm{pe}}\Delta t \gg 1$ [Den81]. P_n [Sto84]. $\partial^2 \ln|s - t|/\partial s\partial t$ [Fre83b]. S [YH88b]. S_N [SBBY83]. SU(3) [Hoe84, KKMP86]. SU(n) [GWZ85a]. U(3) [Hoe84]. $U(a, x)$ [SGA81]. $u_t + uu_x = 0$ [VSS86]. V [WOZ84]. $V(a, x)$

[SGA81]. $W(a, \pm x)$ [SGA81]. $x^2 + \lambda x^2(1 + gx^2)$ [FMC83]. $x \exp(i\pi/4)$ [Wal84]. y [KL80]. Z [Gla89].

-conjugate [Ker80]. **-D** [MD81b, BaB86, BBGN80, CS82, HLAD84, KE87, Kli83, Oli80, WMM86]. **-dimensional** [Eck89, For89, GGR89, Hu89]. **-method** [Sto84]. **-mode-like** [TST+86]. **-pinch** [Gla89]. **-states** [WOZ84]. **-transform** [CBLL86]. **-wave** [LJ81].

1981 [Ano81j].

2 [ZH88]. **205** [KKMP86]. **24** [GKL+87].

Abel [iKI85, Lan82]. **Ablowitz** [DF88]. **above** [AEBS86]. **Absorbing** [KK86, TL81, BBM88, BK88b, IBCS87]. **Abstract** [Ano89a, Ano89b]. **Accelerated** [FD82, HH85, SPG89, GRA83, Kre88, Sak81]. **Accelerating** [Tan86, Col81a, Fer80]. **Acceleration** [Rig81, Lar88, MB80]. **Accessibility** [Man86]. **accumulated** [Chi88]. **Accuracy** [Bal85, BC87a, BC87b, Rob85, Ske81, BGT85, For86, HRS80, Kan84, KG85, Per85, VR86, ZOWZ88]. **Accurate** [AB81, FMC83, HM89, RH87, Tan85, BM87a, BM85, HTE81, HEOC87, HC81b, JT86, Kor88, KW87, LBM87, WP83]. **ACORN** [Wik89]. **Acoustic** [HL85, BFH86, WMS88]. **acoustics** [Mos86]. **Action** [LO86, Hit80]. **Action-variable** [LO86]. **actions** [Hoe84]. **ad** [Ehr81]. **adapted** [IR87, SN83]. **adapting** [Hag80]. **Adaptive** [BO84, BC89, BS82, EW88, HM80b, MD88, Mez87, PVMZ87, SJ88, SOS89, BGMM89, BS83, BB86a, CW89, DO86, DD87, Duk84b, EWR88, FS86, Luc87, Pik87, SSC86, SK86, TF89, VBSS89, vDR89]. **adaptive-mesh** [Luc87]. **adaptively** [BR86]. **add** [Tem88b]. **Adding** [HN80]. **adhesion** [Fog84]. **ADI** [ADG86, CW82, FN80, JT86]. **Adiabatic** [LM86, Eas87, Gar83]. **Adjoint** [HM80a, DVW87, McD80, SP87b]. **adjusting** [HH83]. **adsorption** [Mer80]. **advancing** [MSB87]. **advantage** [Tak81]. **advantages** [Spe87]. **advection** [Cho80, Dav80b, RMS85, SB88, Smo84, SC86]. **aerofoil** [Lyt87]. **aerofoil-the** [Lyt87]. **aerofoils** [Boe82]. **aerosol** [Kai83]. **aggregates** [Ber83]. **aggregation** [Fog84]. **aided** [ER85]. **air** [RMS85, ZBP84]. **airfoil** [Kor88]. **airfoils** [CFG83]. **Airy** [SC81]. **Alfvén** [Ota88]. **Algebra** [EM82, DA86, Var84]. **algebraic** [MEK86]. **algebras** [Pap84]. **Algorithm** [Bor86, And83, ABDV81, AB85, BR80b, Boe82, BLT+81, CBLL86, Cep83, CW89, CW85b, CL81b, CL83, CL84, CL87, CBG86, CP88b, CW81, Die83, EH85, EHD89, Ema81, For89, GR87, HMS89, HCH85, HK84, HR86, Ioa81a, Kal84, Kan81, Keu86, KW85, KW87, LB87, LBO+89, LPS80, Law87, LD89, LBS88, Lon88, Mas87, Med86, MSW87, OW85, Pea83, PW85, PC81b, Ram85b, Ram86, RCK87, SS84a, Sad84, SHB82, Sch80a, SBC84, SGA81, SS89, Smo84, SC86, Son85, SM89, TOO83, Tem80, Tem85, Tem88c, Ter81c, TC87, Tox82, WMM86, Wol85, Yam83, YP88, Zuf89]. **Algorithms**

[CKR87, KH87, OS88, Per81a, SW88, Ter81a, CM82, Cha81, Cho80, CG85, DQ85, GS89, Mak89, MM85a, OF82, Pik87, Pru88, RRS89, SMR89, Tem83b, Tem89, WH87, WOZ84, ZO83]. **alloying** [SK86]. **along** [LR81]. **Alternative** [Adh81a, Sca87]. **analog** [Mel86]. **Analysis** [BGR80, CM80, Cul83a, LM87b, MC88a, NN89, SP81, SL85, Abe89, BWY82, BER85b, CB84, CKD87, Chr87, DQS87, Dun81, ER85, For83b, For83a, For84, For86, FB88, Kam81, iKI85, LV89, MM85b, MC88b, ND89, PM80, PC81a, RS85, RV88a, RSR86, Roe86, RMS85, SS88a, Vin89, WCR+88, WD84, Zuf89, LBR81]. **analytic** [AH88b, BFH86, CD82, CC84, Dav86, Dye84, IA85, Wol85]. **Analytical** [Che84, CH84, CR84, MHK86, TA84c, TA84a, TA84b, TA88, Afa87, HR86, TA84c]. **angle** [MLB87]. **Angular** [Ves82, DA86, Dun85, HG88, WP88]. **anharmonic** [Boo82a]. **animal** [FP88a]. **anisotropic** [GS82, GS83, WP88, WPW89]. **annealing** [VL84]. **Announcement** [Ano80a, Ano80b, Ano80c, Ano80d, Ano81a, Ano82a, Ano82b, Ano83a, Ano83b, Ano83c, Ano84a, Ano84b, Ano85a, Ano85b, Ano86a, Ano86b, Ano86c, Ano87a, Ano87b, Ano87c, Ano88a, Ano88b, Ano89c, Ano89d, Ano89e]. **Announcements** [Ano81b, Ano82c, Ano83d, Ano84c, Ano86d, Ano88c, Ano88d]. **annular** [Sto84]. **anomalous** [BK87]. **ANTIC** [Tam81]. **antiquark** [ADKM82]. **AO** [Tak81]. **aperture** [LM87a]. **appear** [Ano89a, Ano89b, Ano89t]. **appearing** [BJ81, Chr88]. **appears** [BM84]. **Application** [BaB86, Bon84, CY85, EM82, GP80, Hau82, Her89, KMA89, KM85, KTH88, KG87, Lab87, LBR81, Ohr83, SGT88, Sch82, She86, SC82, Sto84, TL84, WVP82, AHP81, BV82, CW86, CF82, CP88a, FZ88, GM81, GRP82, HRS80, Ioa81b, KK89, Lyn82, Nav87, RSR86, SBBY83, SW81, Tak86, TY87a, CDP80, CA85b, SM84]. **Applications** [GDM81, MOI81, Dar89, Hen81, HSA89, McN87, MML83, OC83, Paj89, SAR82, SC86, SZH85, Yee87, JWB88, ZBG88]. **applied** [AH88a, AA89, CSW85, FH81, Gol86b, Jon81, Löt82, Nav83, OG86, Rag82, RS85, Rap80b, RMS85, SH84a, SBT86, SSG81, Zuf89]. **approach** [BSS82b, CA85a, CA85b, Dav81, FZ87, FS87, GIT87, KR86, KSD81, KTH88, Kli83, Lyn82, MPA88, ML83b, Mru87, Mul89, Rai86b, RS81, SC85, SS82b, Str89, VJ89, VL84]. **approaches** [Hag81]. **approximants** [Hau82]. **Approximate** [Fuc89, Roe81, Bak81, Cat88, DS86a, Gla88a, Gla88b, Mru87, OK86, PC81b, Wil82]. **approximate-factorisation** [Cat88]. **approximate-factorization** [PC81b]. **approximates** [Gre85a]. **Approximating** [Osg81, Bog88]. **Approximation** [CDS85, Hal87, IO81, PA86, BK85a, But88, Chr88, DQ83, GP80, HM80a, LM87a, LO87, MJ81, Mor84, SP81, Tak80, TM88, Vat87, Vie83]. **approximations** [Bal85, Bar80, BWY82, Blo82, BFH86, BPD81, DH89, ER85, GM88, Hof82, KG85, MG89, Pie84, SB88, Shy85, Tre81]. **aquatic** [FP88a]. **Arakawa** [ST89a]. **arbitrarily** [MT86b, TMCS85]. **arbitrary** [CB89, DH82, DP86, Hoe83, Kam81, KOTK88, Lev88, MNM85, Rob89b, War86, WCR+88]. **architecture** [HCM89, KS89]. **area** [HL85]. **arguments** [TB86, Wal84]. **arises** [Sid85]. **Arising** [vdV81, BST85, CG89, HR84b, Hun89, Ixa80, MPPS84, Mos86]. **Arnoldi** [Nav87]. **arrangement** [KOTK88]. **array** [CFH$^+$82]. **Articles** [Ano82s, Ano84t, Ano85i, Ano80k, Ano80l, Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano80r, Ano80s, Ano80t, Ano80u, Ano80v, Ano80w, Ano80x, Ano80y, Ano81k, Ano81l, Ano81m, Ano81n, Ano81o, Ano81p, Ano81q, Ano81r, Ano82j, Ano82k, Ano82l, Ano82m, Ano82n, Ano82o, Ano82p, Ano82q, Ano82r, Ano83i, Ano83j, Ano83k, Ano83l, Ano83m, Ano83n, Ano83o, Ano83p, Ano83q, Ano83r, Ano83s, Ano83t, Ano84j, Ano84k, Ano84l, Ano84m, Ano84n, Ano84o, Ano84p, Ano84q, Ano84r, Ano84s, Ano84u, Ano85h, Ano85j, Ano85k, Ano85l, Ano85m, Ano85n, Ano85o, Ano85p, Ano85q, Ano85r, Ano85s, Ano85t, Ano85u, Ano85v, Ano86k, Ano86l, Ano86m, Ano86n, Ano86o, Ano86p, Ano86q, Ano86r, Ano86s, Ano86t, Ano86u, Ano86v]. **articles** [Ano87k, Ano87l, Ano87m, Ano87n, Ano87o, Ano87p, Ano87q, Ano87r, Ano87s, Ano87t, Ano87u, Ano87v, Ano88k, Ano88l, Ano88m, Ano88n, Ano88o, Ano88p, Ano88q, Ano88r, Ano88s, Ano88t, Ano88u, Ano88v, Ano89l, Ano89m, Ano89n, Ano89o, Ano89p, Ano89q, Ano89r, Ano89s]. **Artificial** [Law88, Noh87, Ros80, Wil80a]. **aspect** [GH87]. **aspects** [MM81a, TA84c, TA84a, TA84b, TA88]. **assembly** [KT86]. **Assessment** [GG88, SB88]. **Associated** [OS83b]. **asymmetric** [KPBRF83]. **Asymptotic** [Boy84, LMM87, LM89a, Lo85, NR80b, CRS88, Gus80b, Jon81, MM81c, RA81]. **atmosphere** [Bai80]. **atmospheric** [Cul89, MGS82]. **atom** [HC87, Mru87]. **atomic** [KSD81, MD85, NDAL88, NR84, SC81]. **atoms** [AEG80, BKH86]. **attenuation** [Lan82]. **Attractions** [BH87b]. **Au/NaCl** [AH88a]. **Author** [Ano80e, Ano80f, Ano80g, Ano80h, Ano80i, Ano81c, Ano81d, Ano81e, Ano81f, Ano81g, Ano81h, Ano82d, Ano82e, Ano82f, Ano82g, Ano83e, Ano83f, Ano83g, Ano83h, Ano84d, Ano84e, Ano84f, Ano84g, Ano85c, Ano85d, Ano85e, Ano85f, Ano85g, Ano86e, Ano86f, Ano86g, Ano86h, Ano86i, Ano86j, Ano87d, Ano87e, Ano87f, Ano87g, Ano87h, Ano87i, Ano88e, Ano88f, Ano88g, Ano88h, Ano88i, Ano88j, Ano89f, Ano89g, Ano89h, Ano89i, Ano89j, Ano89k]. **autoconvolution** [DFG81]. **automata** [CH87]. **automatic** [Dav83, GP81, HBR82, Moh84, NR80a, Sha84]. **automating** [TGP80]. **automaton** [ZH88]. **averaged** [CPJ89, CBCF80, CFT82, CF82, MS86, VM86, ZC86]. **averaging** [Kre88]. **axial** [KP83b, ML85]. **axisymmetric** [AFLS83, AB81, BS86b, Ber85a, CC87, Gar83, GMT$^+$81, GDM83, Jar81, Mac86, MSK80, Uch83, WG86].

Back [Kre88, Dun85]. **Back-averaging** [Kre88]. **back-projection** [Dun85]. **background** [MSD87]. **bag** [CL86a]. **balance** [NMG86]. **balanced** [NMG86]. **ballooning** [SB87b]. **banded** [Tuc89b]. **barely** [PGBO87]. **baroclinic** [MRH83]. **based** [Aug84, Cla87, Flo85, Flo86, IA88, KE87, Kli83, OS88]. **basis** [Boy87b, DR85, GM82]. **bath** [Din86]. **Baxter** [PRV89]. **Bayesian** [OW85]. **be** [Mez81]. **beam** [EM80, GMT$^+$81, HL84, JR82, JHLS89, LLL88, ONM83]. **beam-plasma** [EM80]. **beams** [MSD87]. **bed** [CG89, SS85]. **behavior**

[LR80a]. **BEM** [KK89]. **Bénard** [Bue88, CB84, CW84a, CW86, Grö83, WC85b]. **benchmark** [Ano85w]. **Benjamin** [CH88]. **Bernoulli** [Lyt87]. **Bessel** [Afa89, BPD81, Can81, GM88, MG89, NM80, O'B80, Pie84, PA86, Puo88, RH87, Ter81a, Ter81c, TB86, Wal84]. **BETA** [BHM$^+$83]. **Bethe** [ML83a]. **better** [Osg81, Skö82]. **between** [CM89, Hal88, Hof82, HW81, Hut84, KGH80, MSK80, YRT80]. **bi** [MM85b]. **bi-conjugate** [MM85b]. **bias** [Mez87]. **biased** [Dav84, Gol86a, GWZ85b, SG86]. **bifurcation** [CW86, EG83, KH87]. **biharmonic** [KF87, LC88, Spa85, Ste84]. **biharmonics** [BSS82b]. **bilinear** [GL85]. **binary** [Ale86, HMS89]. **binary-binary** [Ale86]. **binary-single** [Ale86]. **binding** [Laf89, MJ81]. **Birth** [ONM83]. **Black** [J.82, AG80, BST86, Sha81]. **black-oil** [BST86]. **blast** [EB81]. **Blending** [Ste86, Eyr87]. **blob** [Mei89]. **blobs** [And86, Ker88]. **Block** [Van86, BDJS86, BM80b, MSW87]. **Block-implicit** [Van86]. **blocking** [HBR82]. **blood** [Fog84, MP80a, MP89a, PM80, PM89]. **blunt** [GW80]. **bodies** [DS86c, GW80, OI87, Ros89]. **body** [Abe89, AEBS86, CQ89, CP88b, DH82, Eyr84, Eyr87, KTH88, MPPS84]. **body-fitted** [Abe89]. **Boltzmann** [Mez87, NDP88, Rei81, Shi81]. **bonds** [LBO$^+$89]. **born** [ML83a, ML83b]. **boson** [LWP89]. **bounce** [MS86]. **bounce-averaged** [MS86]. **bound** [ADKM82, CL80, MES80]. **bound-state** [CL80]. **boundaries** [AH85, HN81, IBCS87, KK86, MT86b, MK80, PG88a, Rai86a, Vic86]. **Boundary** [BS86a, Cou85, Hag87, SSSR83, SA81, TB82, TWM82, VTB89, AM82, Abd87b, And89, Are81, Asc80, AD83, BDR82, BBM88, BT82, BWY82, BK88b, Blo82, BGR80, CO80, CQ87, Coo86, Dav80a, Dav83, DP86, EM81, ET88, Fer88, For86, FRRT87, GDS88, Gar86, Gar78, GP80, Gus80a, Gus82, Hal88, HMI83, HC81a, HO80, HMR82, HGS88, HW81, Hun86, Hun89, IHM81, IO81, Jac89, JY83, KR84, KR86, KG89, Kel84, KRW88, KTH88, Kra80, KS82, LBS88, LC88, Mey81, Mey86, MT84b, MS80, MC88b, Nat89, NMG81, NE82, Nor89, OS83a, Ohr83, OC83, Phi86, PH88, Pom88, QR89, RSR86, RWC89, RM82, RS80, SH89, SS88b, SB84a, Smi81, Smo82, Spa85, Spi88b, Str89, Str80, Sum89, TL81, TMCS85, TL84, TB89, Tho87, Uch83]. **boundary** [WBL86, Wol81, Zeb84, vDS80]. **boundary-conforming** [DP86]. **Boundary-fitted** [TWM82, AD83, HC81a, LBS88, MT84b, MS80, Ohr83, TMCS85, TB89, Uch83]. **boundary-layer** [TL84]. **boundary-orthogonal** [Spa85]. **boundary-value** [Asc80, Dav80a, Dav83, Spi88b]. **bounded** [KJM80, Law88, Law89]. **bounds** [Ber83]. **box** [J.82, Jon81]. **branching** [EG83, Hal89, LBS88]. **break** [AEBS86]. **break-up** [AEBS86]. **breaking** [Miy86]. **breakup** [Bro85, KTH88]. **Brillouin** [Nor80]. **Buckley** [Pro81a]. **Budden** [TL81]. **bulk** [CX86]. **Burgers** [CSW85, Fle83, Lav88, LJ81, Löt82]. **burner** [Smo82]. **burner-stabilized** [Smo82].

C [JDK86]. **Calculating**

[BW81, ADR84, BF86, CKR87, GMT+81, LP83, LWP89, MM85a, MFC+85, MB80, NM80, Pap84, Pru88, Ret82, Rom89, Ros80, Yam83]. **Calculation** [ADK82, BS81, EG83, GS87b, HK85b, KTT89, MD81a, Bak81, BC87b, BB88, BD82, Bra84, Bra86, Can81, CBLL86, CW82, CL80, Cor82, DW81, FMC83, FP82, Fet84, HCG+85, HGS88, HK81, IMT+89, KD80, Lyn84, Mac89, NOY85, RS81, Rob89b, SHB82, Sch80a, SBBY83, Shu84, Ste81, Sto84, SV89, Tam81]. **Calculations** [ABS82, DA86, KSD81, LCC+86, ACM88, And83, AB81, AB84, AB85, Bon84, BE85, BR86, Bra88, CQ85, CLJ+89, CHH+86, CW86, Col81a, CDH81, Fer80, GHC+86, GDM83, HCH+81, HCH85, LB87, MW87, Mah82, MJ81, Noh87, PT82, Per81c, PC86, Rai86a, Rai86b, Ram83, RL84, Rei81, RH88b, RS80, SK80, SBM+87, SK83b, SC82, Sho83, Tak81, Tox82, Van84, Vin83, Wil80a, WVP82, YWH85]. **Caley** [KD80]. **Call** [Ano87j]. **Canonical** [Aiz85, IA88]. **capabilities** [BBGN80]. **capillary** [LA83]. **capturing** [SO88, SO89]. **Carlo** [Abe89, Ada88, BHS87, Bin85, Boo81, Boo82b, BF86, Bro89, CBG86, CDS83, DA86, Dun81, EFCS88, EB80, FC84, Gol86a, GRP82, HM80a, Har81, HP87, HPP+82, HM80b, HSSC83, JR81, KKMP86, KL89, KT86, LM87b, Mez81, PRT83, Pes81, RH88b, RV88b, Sad84, SG86, VL84, Ves82, VR86, Wag87, Wag88, WC85a, WP88, WPW89, Yor86]. **carrier** [Yor86]. **cascade** [Ema81]. **cascades** [Ino83]. **case** [RL89, ZH88]. **cases** [WOZ84]. **catastrophe** [CW84a]. **Cauchy** [Ioa82, IMT+89, Sid85]. **Cauchy-type** [Ioa82, IMT+89]. **cavities** [CW84a, Kum82, LA85, WCR+88]. **Cavity** [GH87, Gup81, GH86, Phi84a, SKA86, SK83a, SK83b, Str82]. **CCl** [Ves82]. **CDC** [KKMP86]. **Cebysev** [Hos86]. **Cell** [Wes88, BR86, Bra88, CBL81, CBG86, Hai87, HO80, Hor87b, HSA89, HGM86, LD89, MS83, Riz88, Ste84, Zuf89]. **Cell-centered** [Wes88]. **cells** [Duk88]. **cellular** [CH87, ZH88]. **center** [GS85b, KO86, SSS+84]. **centered** [Hof82, Vij86, Wes88]. **Certain** [vdV81, Mer80, PG88b, SSM83, Spi88a, Spi88b, TA84c, TA84a, TA84b, TA88, TY87b, Wag87, Wag88]. **CFL** [PC86]. **Chain** [FFM82, SH84c]. **chains** [Pes81, SHB82]. **change** [Lyn82, LS85, PG87]. **channel** [CA85b, DP86, Flo85, Hor87a, KP89b, LBS88, Pat84]. **channels** [LC88]. **chaos** [HS88a]. **characteristic** [Car80, DO86, MS87b]. **characteristics** [FS87, Gol86a, Pla81, TS81, VF80]. **characterization** [Mer80]. **characterizing** [MD80]. **charge** [CM82, CDS83, Mor82]. **charge-transfer** [CDS83]. **charged** [AD87, Cep83, Mac81, MPA88, MD80]. **cheap** [Wil81]. **Chebychev** [McD80]. **Chebyshev** [Bon84, Boy82, CQ85, DR85, DD89, DQ83, DM85, Fre83a, Fre83b, FT84, HLAD84, KP89b, KPD81, KH84, LA85, Pie84, Tan85, VV82, Zeb84]. **Check** [FK89]. **chemical** [Mac89, Tak86]. **chemically** [CB80, KK81, MGS82]. **choice** [BK88a, Got88, Gus82, MM81a, MP84, OG86, Tak86]. **Choosing** [ICP80, Mun81, Pes81]. **Christoffel** [FZ87, FZ88]. **CIP** [TNY85, TY87a]. **circular** [BM87a, For85, IT89, JY83, JY86, LM87a, NB89, ONM83, Pat87]. **circulation** [BC87b, Kum82, MW84]. **class** [BB84b, FS89, LR81, Pro82, Pry87]. **classical** [HC81b, LO86, Rok85].

classification [Bar87]. **Clebsch** [KTT89, Pap84]. **Clenshaw** [EHM81]. **Closed** [Afa87, Afa89, MGM86, Ioa81b, Set84]. **closure** [VM86]. **clotting** [Fog84]. **cluster** [Hai85]. **Clusters** [BP88, RQ89]. **coalescence** [Bro85]. **coalescence/collision** [Bro85]. **coalescence/collision-breakup** [Bro85]. **coarse** [HD85]. **coarse-mesh** [HD85]. **coating** [SS81]. **code** [AP88, Asc80, AEG80, BLT$^+$81, CC87, CS81a, CBCF80, CF82, Fre81, FSD81, GRS89, HA89, Hew80, HH86, HSA89, HL84, JL86, JHLS89, KH80, KGH80, MS86, NOY85, ONM83, TLD80, Tam81, Wil81, ZC86, ZGB88, ZBG88, ZBP84, LJ85]. **Codes** [SHK88, BHM$^+$83, BDR80, CFT82, HMJ86, Hor87b, Ker81, LD89, Mar87, Per83, Pir80, Sha84]. **coding** [JR81]. **coefficient** [Bai80, MIK88]. **coefficients** [Boy84, CDS85, Dil85, EHD89, GT85, KTT89, Lyn84, Pap84, Sca87]. **collapse** [Man85, Man87]. **collapsing** [MEK86]. **collection** [Ano85w, EWR88]. **collision** [CBG86]. **collision-breakup** [Bro85]. **collisional** [Mas83, Per81b]. **collisional-radiative** [Per81b]. **collisionless** [Kli87]. **Collocation** [Mos86, ABW83, Asc80, EWR88, Gau88, KP89b, KP89a, KMA89, MZH85, SP81]. **column** [Wil80b]. **combination** [Li89, MK83]. **combinations** [SC82]. **combined** [Hei88b]. **Combining** [BGMT89]. **combusting** [Kan81]. **combustion** [BM87b, RD83, Set84]. **Coming** [BH87b]. **Comment** [Gus80a]. **Comments** [EH85]. **Compact** [DH89, Ros83, AD83, Chr85, GGR89, GP85, Lev82, MD81b, Shu84, Ta'87]. **comparative** [BK88b, SP87a]. **compared** [KE87]. **Comparison** [BHM$^+$83, HMJ86, Hor87a, Mak89, MD85, Sha81, She88, TAJ$^+$81, CL86c, EM80, Fle83, Gup81, MES80, MS87b, NS89, SBT86, TDhLcSb89]. **compatibility** [HG84]. **complementarity** [CFH$^+$82]. **complete** [Wil82]. **Complex** [Boy85, Dav89, Paj89, Dar89, DA86, Dye84, Ker89, KP86b, Ors80, SH89, SSF83, Tem88c, TB86]. **Complex-plane** [Dav89]. **compliant** [Hal88]. **composed** [SB82]. **composite** [MM89, ST88]. **composition** [MM85a]. **compound** [NR85, YH88a]. **compounds** [MV83a]. **compressibility** [HN80, MT81]. **compressible** [AB85, BT82, BAF84, BaB86, CW82, Dar89, Gau88, GG86, Har80, HK85a, IGW86, KJL86, OK86, PP88a, Pea81, PVMZ87, Pul80, Rei81, SSSR83, Tur87, Van84]. **compressible-flow** [Van84]. **Computation** [AH85, Asa87, BK87, BG84, DS86c, Dil85, GK81, GIT87, Har80, HR84b, HT86, JY83, KP85, KP86a, LA85, MMV81, Pri89, BGT85, BR81, Dan80, Duk88, EJL87, Gre85b, Gre88, HO80, HW81, IGW86, Kor88, Mih85, MK86, Nat89, NR80a, PT86, Qua81, QN86, SH84b, Tan89, WMS88, Whe81]. **Computational** [Baa81, HHS89, KS82, ML83a, ML83b, MM81a, MV83b, Var84, Zab81, AA89, Clo87, ET88, FP88a, FC84, KTH88, Li80, MP89a, NB89, Pap84, PM89, PA89, RE87, SR85, TGP80, YHS86]. **Computations** [MSK80, DWD83, DH84, For83a, Hal89, HS86, HM89, HM80b, KKMP86, LV89, PVMZ87, Rig81, Vie88]. **computed** [Riz88]. **Computer** [BP88, CD80, EM82, ER85, HR86, ST88, AD87, Ano85w, HHN$^+$86, KKMP86, Kra80, KH80, KGH80, McD80, ZMC83]. **Computer-aided** [ER85].

computers [Ano80z, ERDF83, FWHC86, HA89, HL86, KE87, SMO85]. **Computing** [Ber83, Cla87, CW81, And86, BC87a, EHD89, GW80, OI87, Puo88, Sak81, SS86, WG86]. **concentration** [KD88, LW85]. **concentrations** [SH84b]. **concepts** [BBG80]. **concerning** [Vic86]. **concurrent** [LD89]. **condition** [Are81, HMI83, HG84, KR86, KRW88, Nat89, NMG81, Ram83, RS84, RS80, TL81, TE86, VTB89]. **conditioned** [Hag80]. **conditioning** [Qua81]. **Conditions** [Cou85, Abd87b, And89, BDR82, BBM88, BT82, BGT85, BWY82, BK88b, Blo82, BGR80, CO80, EM81, Fer88, For86, FRRT87, Gar78, Gus80a, Gus82, Hag87, IO81, JY83, KG89, Kra80, KS82, NR80b, Nor89, OC83, PH88, Pom88, QN86, Rob85, RM82, SS88b, SSSR83, SA81, Tho87]. **conduction** [JT86, LG85]. **conductivity** [CL81b, HHN+86]. **conductor** [ADK82]. **conductors** [Kam81]. **cone** [ML85, ML87]. **conference** [Ano81j, Ano82i]. **configuration** [MNM85]. **configurations** [Flo86, HSA89, Ino85]. **Confined** [MHK86]. **confinement** [LNS87, NB89]. **confluent** [Ter81b]. **Conformal** [Flo85, Flo86, O'B81, Ino83, Ino85, MOI81, MZ80, MZ83]. **Conformal-mapping-** [Flo86]. **Conformal-mapping-based** [Flo85]. **conformational** [SHB82]. **conforming** [DP86]. **congress** [Ano87j]. **congruential** [PP88b]. **Conjugate** [WVP82, AG80, BDJS86, KE87, Ker80, MM85b, Neu81]. **conjunction** [Alp81]. **CONKUB** [Mej86]. **connected** [BS86a, Vie84, WR86]. **connections** [Kam81]. **consequences** [Sch80a]. **conservation** [BS83, BDS88, BCT89, Car80, CLS89, Dec84, HTE81, Har83a, HH83, Har83b, Hen87, LV89, LS85, MW84, MA84, McD89, Mun88, Nav83, SS82a, Tox83, Vin89, WW89]. **Conservative** [BKP87, Duk84a, Gre84a, Ram85b, BJ81, Hor87a, LW85, Rai86a]. **conserving** [CQ89, HPL80, IA88, Qin88, Ste87a]. **considerations** [AHH87, FS86, SG86]. **Consistent** [Car89, Col81a, Fer80, HK85b, Jar81, Mez87, Per81a]. **constant** [BG85a, FR87, GL85]. **Constrained** [OS83a]. **constraint** [ADL87, BW81]. **constraints** [MHM81, Per81c]. **Construction** [Yee87, AP85, CB89, Hag80, Pet87, TGP80]. **contact** [PW85, SS80]. **containing** [HL85]. **contaminant** [SH84b]. **continuation** [HK84, Ter81b]. **Continued** [Bar82, HRT80, Mar81]. **Continued-fraction** [Bar82]. **continuity** [Cha81, Eis82b]. **Continuous** [HW81, Mel86, Mey86, HM80a, HW84, Smi88, VL84]. **continuous-slowing-down** [HM80a]. **Contour** [Dri88a, Dri88b, ZOWZ88, ZO83]. **contractile** [MP89a]. **contraction** [KP89b, KP89a]. **contributions** [CM82]. **control** [BB86a, GE88, JPD86, NR80a, RS81]. **control-volume** [RS81]. **controlled** [VV82, ZOWZ88]. **controls** [Eis82a, Eis82b]. **convection** [BV82, CW82, CB84, CW84a, CJW85, DO86, GK81, Gau88, Grö83, HKA89, HGM86, JY86, LA85, Mul89, Neu81, Phi84a, Shy85, VF80, Bue88, WC85b]. **convection-diffusion** [BV82]. **convection-dominated**

[DO86, HKA89, Shy85]. **convective** [Clo87, GR84, Gla84b, Gup81, MJ87, Zal81]. **Convergence** [DWD83, GRS89, Hal81, WC85b, ADG86, BR80a, Boy82, Col81a, ER85, Fer80, Gol86a, HH85, LR80b, Nor89, Pan89, Rig81, SB84b, Tan86, Van84, WC85a]. **convergent** [Ixa80, SP87b]. **converging** [LR80b, MOFK88]. **conversational** [Mej86]. **convolution** [Osg81]. **Cooley** [Eck89, MES80]. **cooling** [Law88]. **Coordinate** [Eis82a, Abe89, ABDV81, ADL87, Boy85, CCCS81, Eis82b, Flo85, Flo86, GDM83, HC81a, KP83b, MFC+85, MT84b, MS80, RM87, Spa85, TMCS85, Tan85, TWM82, Uch83]. **coordinates** [AD83, BS86b, BS81, CLJ+89, Dav81, DP86, HP87, HCG+85, IM88, KPBRF83, LBS88, Ohr83, Pea81, Rom89, Skö82, WBF86]. **core** [Gre85a]. **corner** [Boy86]. **corners** [Wig88]. **corrected** [KW87, McD89, MC85, PGBO87, SM89, SMR89]. **correction** [Kor88, Kor89, MA84, PGBO87, Tal80]. **corrections** [And86, LWP89]. **corrector** [TS81]. **correlation** [Ber88, Hai85]. **correlations** [PP88b]. **Corrigendum** [CP87, Tem88a]. **Cosserat** [BST80]. **Cotes** [BL88]. **Couette** [MML83]. **Coulomb** [Bar82, Mar81, MGM86, MPPS84, TB86]. **counterflow** [KS87]. **counting** [HR84b]. **couple** [JR85]. **coupled** [Bai80, Ixa80, Moh84, Mru87, Phi84b, Rig87]. **Coupling** [DGKW84, BG85a, Hoe83, Hoe84, KGH80, Law87, VM86, YRT80]. **Cray** [GKL+87, ZH88]. **Cray-2** [ZH88]. **Criteria** [Mun81, CR84]. **Critical** [BG85a, BL85, EG83, PRV89]. **cross** [AP88, HPL80, ML83a, ML83b, OW85, WL84]. **crossflow** [DS86c]. **crystals** [Mac81]. **Cubic** [TNY85, LJ81, Mac81, Mor84, TY87a, TM88]. **cubic-interpolated** [TY87a]. **cubic-spline** [Mor84]. **Current** [BH87b, Cul83b, BD83, HM82, Kam81, ND89, VE87]. **currents** [BC87a]. **Curtis** [EHM81]. **Curvature** [Cho85, OS88, ZOWZ88]. **curvature-dependent** [OS88]. **curvatures** [PA89]. **curve** [Bal85, BB84b]. **curve-fitting** [BB84b]. **curved** [TMCS85, Tha80]. **curvilinear** [MS80, Spa85, TMCS85, Uch83]. **cusp** [CW84a]. **cusping** [Mey81]. **cut** [OS83b]. **CYBER** [KKMP86]. **cyclic** [Ske81]. **cycling** [ASL82]. **cyclotron** [Ota88]. **cylinder** [Ana89, BM87a, For85, IT89, JY83, JY86, MMV81, Pat87, RS84, SGA81]. **cylinders** [MSK80]. **cylindrical** [IM88, Pir80, Skö82, SN88, Tam81, Tan85, WBF86]. **cylindrically** [CB89, KW85, MOFK88].

D [GRS89, MD81b, ABS82, AHH87, BaB86, BHM+83, BBGN80, CS82, CS81a, DD87, FSD81, GHC+86, HLAD84, HCH+81, KE87, Kli83, Law89, Mas87, NB89, Oli80, OvOH89, SW88, TB89, WMM86, WCR+88, WWM+81]. **D-shaped** [NB89]. **damping** [AH88b, Cha81, Per87]. **DAP** [Ada88, PT82]. **Darwin** [HB87, ZC86]. **data** [Baa81, BB83, Bow84, CL81a, Chr87, Die83, Har81]. **Davidson** [HN82, Kos84, Mor89]. **decay** [BGM87a]. **decomposable** [Pat86].

decomposition [HG88, MT84b, MT86b]. **Decompositions** [MvdV81]. **Deconvolution** [BB83, Die83]. **decoupling** [Wol85]. **decreasing** [GM81]. **deeply** [WPW89]. **Defect** [Kor88, Kor89]. **defects** [Mac81]. **defined** [Hai85]. **definite** [Smo84, SC86]. **deforming** [LG80, Lyn82, LS85]. **Delaunay** [RHOG88]. **delay** [HS88a]. **Delves** [IA85]. **demand** [SBT86]. **dense** [GKL+87, GS88]. **densities** [NR84]. **density** [And85, CX86, Gla89, MJ81, Mor82]. **Dependent** [MK82, AF86, ADR84, Bai80, BK85b, BF86, CFL86, FW81, Gan85, GS89, HG88, Hu89, KK83, Lar88, LW85, MK80, OA85, OS88, Per81b, PC86, Roe86, SAR82, Tak81, Tho87]. **deposition** [ONM83, Wie83]. **derivations** [Gla84a]. **derivative** [Are81, BV86, DF88, Mru85]. **derivatives** [AG81, Bar82, HK81, Tan86]. **derived** [Duk84b, SS84b]. **DERPER** [HK84]. **DERPER-an** [HK84]. **descent** [HH85]. **describing** [NR84, NB89]. **Description** [KH80]. **designs** [Neu83]. **Desingularization** [Kra86]. **determinant** [BV86]. **determinants** [KD80]. **Determination** [Mer80, BS86b, CX86, CRS88, KH87, KPB87, Mez87, Bar80]. **determine** [LPS80]. **determining** [Kai83, PT86, PA89]. **Deterministic** [NDP88, Her89]. **deuterium** [NR84]. **Development** [BS89b, SC86]. **devices** [HK85b]. **DFT** [Osg81, Tem88b]. **diagonal** [PC81b, RCK87]. **diagrams** [CP88b, KSM82]. **diatom** [AP88]. **diatom-spherical** [AP88]. **diatomic** [Kob85]. **dielectric** [Rob89b]. **Difference** [Car89, MSB87, Alv89, AHP81, AG80, BM87a, BCE88, BWY82, BS83, BC87a, BC87b, BKP87, Blo82, BST80, BNS83, BP80, Bue88, CKD87, Chr85, Cul89, Dav84, DFP81, DH89, Dic88, Dyk87, Fle83, Gar86, Gar78, GT85, GP85, GS89, GR82a, GX89, Gus80a, GW80, HTE81, Hei88b, Hof82, HC81b, Hua81, IA88, IM88, KMRM88, KOTK88, LLL88, LG85, Luc87, MC88a, Mac86, MEGH85, MES80, Man85, MS83, MIK88, MNM85, Miy86, MS87b, Ohr81b, Per87, Pic83, Riz88, Roe81, Ros83, RMS85, SS82a, SB88, She86, Shy85, Skö82, SM86, SL85, SW81, SBSH84, Tak80, Tak85, Tha80, Vie83, Vin83, Vin89, WMM86]. **difference/Galerkin** [Bue88]. **differenced** [PC82]. **differences** [AD83, She88]. **Differencing** [Ker81, BW88b, Dav80b, PC86, Str82, Zal81]. **different** [Gus80b, Mak89]. **Differential** [BO84, BM84, MHK86, AF86, BK85a, BSSV88, Boo81, Boo82b, Cat88, CL81a, CL84, CS84, CFL86, DQ83, Dyk87, GDM81, Gre84b, HH88, HS88a, HK84, KPD81, KH87, LW86, LO87, MD86, Moh84, NR85, Oey82, Pom83, Pro82, Pry87, Ram85a, RG88, Rig87, SSM83, SM84, Spi88a, Spi88b, TY87b, TAJ+81, TWM82, Vat87, Vat89, VBSS89, War86, WP83, Wol85, ZBP83]. **differential-geometric** [War86]. **differentiating** [Baa81]. **differentiation** [Pro81b, SH84a]. **difficult** [Dav80a]. **diffraction** [MP84, OG86]. **diffusion** [ADR84, Bai80, Bas84, BGMM89, BB86a, BV82, Fou84, Fre81, GS85a, GR84, Hag87, HC87, Her89, HGM86, Ker81, KS87, Kre88, LW85, MMS86, MO80, MGS82, Mei89, MC85, MC88b, Per81c, Pom88, RSR86, RV88b, RMS85, SS86, SHK88, Smo84, SV89, TS83, VF80, VR86]. **diffusion-convection** [VF80]. **diffusion-type** [SS86]. **diffusional** [LP83]. **diffusive**

[LMM87, LM89a]. **digital** [ERDF83]. **dilatation** [MFC+85]. **dimension** [ADR84, Cho82]. **dimensional** [AG81, AM82, Ana89, And89, AF86, Aug84, AB84, AB85, Bas83, BK85a, BSSV88, BJ81, Bue88, CA85a, CA85b, CL83, CC84, CPJ89, CY85, CH84, CG89, CLS89, CBL81, Duk88, DH84, DP86, EH85, Eas87, Eck89, Fle83, FP88b, FS87, For89, For84, FB88, FFG87, GGR82, GGR89, Gau88, Gla88b, GG88, Gre85b, Gre88, GX89, Hag81, HHS89, HK85a, HH83, HC87, HK86, HR84a, HMJ86, HH86, HSA89, HGS88, Hu89, Hua81, KD88, KK88, KH80, KGH80, KHT87, KHTR89, LLVL89, LLPS85, LA85, LG81, Lim80, LBS88, MS81, MP84, MEK86, MO80, MP89a, Med86, Mei89, MT84b, MNM85, MTM81, Ohr81b, OG86, PM89, Qua81, Ram85b, Ram86, RM87, RG88, Rei81, Ros89, RM82, SS84a, SK80, SBC84, Sch80b, SM84, SBT86, SSG81]. **dimensional** [SK86, SS82b, SN88, TS81, TY87a, Tal80, Tan85, Tan89, TOO83, Uch83, VF80, VBSS89, Vin83, WR84, WR86, WC84, ZGB88, ZBG88, ZMC83, vDR89]. **dimensions** [BDS88, BS82, BF82, BR86, Cat88, HS86, KO86, LM86, Rok89, Sal86, Sco85, SP87b, WOZ84]. **diminishing** [YWH85]. **diode** [MS81]. **dipole** [CM82]. **dipoles** [NDAL88]. **Dirac** [dFSS89]. **Direct** [BS86b, DQ83, HK81, KW85, LCF83, Pul80, RH88b, SB82, Abe89, Bas83, BS89a, CLHP89, Grö83, HL87, Ioa81b, PSV89, Pat86, SS88b, Whi87]. **Directional** [GE88]. **disappearing** [BJ81]. **discharge** [HNK89, SMR89]. **discharges** [BCE88, TST+86]. **discontinuities** [GMM80, MC88a, RL89, Sho83]. **discontinuous** [CLS89, Cul89, Hua81, Law85]. **Discrete** [CFR84, Cou85, Roe86, Ber85a, BH87a, Dav81, ER85, GM81, IA88, Kan84, MD80, Mor84, SB84a, SP87b, Tem80, WP88]. **discretisations** [Slo88]. **discretised** [Iss86]. **Discretization** [LLPS85, ABDV81, DQS87, KJL86]. **discretizations** [CH88, For83b, Pat86, Ste84]. **discretized** [DH82, GRA83, SB82]. **disintegration** [SE87]. **disk** [BJ84]. **disordered** [HHN+86]. **dispersion** [BST86, For84, Neu81, O'R89, SSS+84]. **dispersion-convection** [Neu81]. **dispersive** [BPS85, KRW88, SSC81]. **displacement** [BD83]. **displays** [Bow84]. **dissipation** [Mun88]. **dissipative** [KP85, KP86a]. **distance** [MM81c]. **distances** [CCCS81]. **distorting** [Gar83]. **distortion** [ADL87]. **distributed** [Wik89]. **distribution** [And86, iKI85, Law85, Mer80]. **distributions** [CM82, GWZ85b, HS88b, HR84b, Kai83]. **disturbance** [PG87]. **diurnal** [Bro80]. **Divergence** [Tuc89a, Gup81, HW80]. **Divergence-free** [Tuc89a]. **divergent** [ML85, ML87]. **diverted** [HPP+82]. **Does** [Mil89a]. **domain** [BP87, Boy82, CH84, LM89b, Mav89, MT84b, MT86b, NMG86, Sch88, SB82, Tan89]. **domains** [BS86a, CY85, HMR82, KP89a, PSV89, Pat86, RM87, Tha80]. **dominant** [MSW87]. **dominated** [DO86, HKA89, Shy85]. **donor** [Hai87, HGM86]. **double** [Kra83, Ohr81b]. **double-folding** [Kra83]. **doubling** [BM87b, KH87, VJ89]. **doubly** [Vie84]. **down** [HM80a]. **drift**

[Mor81, Sco88]. **drift-wave** [Sco88]. **drive** [VE87]. **Driven** [SK83a, CHS88, Gup81, Kum82, SK83b, Str82]. **driving** [WK89]. **drop** [SBT86]. **drop-on-demand** [SBT86]. **droplet** [O'R89]. **dual** [CBLL86]. **duct** [HL85, Mos86, SSG81, WR84]. **due** [And86, BM80a, CH84, GMT+81, Law88]. **Duffing** [VV82, VJ89]. **Dufort** [CR84]. **Dukowicz** [Kan83]. **during** [Fog84, SLO87]. **DWBA** [Dan80]. **Dynamic** [JPD86, Oli80, JH83, KH80, KGH80, Lub88, Rap80a, Wil80a]. **Dynamical** [MMR89, Alz84, CW84b, ZO83]. **Dynamics** [BP88, And83, Ano80z, Ano87j, BAF84, BL82, CGM+86, Clo87, DS86a, Dri88a, Dri88b, ET88, GW85, GH86, GH87, HN81, Hua81, KK83, KH80, KGH80, LBO+89, MHM81, Nav87, O'R84, Pat84, Rap85, Rei81, RE87, Roe86, Sch82, Son85, Spe87, SR85, SMO85, SH84c, Tox82, Tox83, VTB89, Wan83, WH87, WR86, ZOWZ88]. **dynamics/surgery** [Dri88a]. **dynamos** [Gla84b].

Earth [Bai80, BG84]. **economising** [BD83]. **eddy** [HM82, Hor87a, Kam81, KTH88]. **Editor** [Ano82h, Edi82]. **Effect** [JR85, BGR80, BB80, HM89, HO80, TM88]. **effective** [CP88b, Hoe84, WR84]. **effects** [CLF84, Mei89, Mor82]. **Efficiency** [CL87, FC84, HRS80, RD83]. **Efficient** [CG85, Duk88, GRP82, Lub88, NSJ85, PT86, PG88b, Per81b, SO88, SO89, Bro80, Bro85, GS85b, HKA89, HD85, JR81, JRS86, KKMP86, Kor88, Law87, LA83, Ohr81b, SHB82, SK83a, SH84b, SS89, Wal84, Wig88, Yam83, Zer85]. **efficiently** [NM80]. **eigenfunctions** [BW81]. **eigenlengths** [NR80a]. **eigenpairs** [GPS88]. **eigenproblem** [HN88, Nex87]. **eigenproblems** [Boy85, Pry87, SPG89]. **eigensolutions** [Kos84, Ret82]. **eigenspan** [MSW87]. **eigensystems** [Tan86]. **Eigenvalue** [Tal80, BM84, CS81b, DR85, DVW87, GP89, GKL+87, GS88, HH88, HN82, Kal84, Ker89, LW86, LO87, Mor89, PG88b, SB84a, YH88a]. **eigenvalues** [BW81, BD82, Bra84, Bra86, CRS88, CW81, Eck89, EJL87, FMC83, GTD89, GP89, KW86, PT86, Pru88, Sch88]. **eigenvectors** [CS81b, NV89]. **Ekman** [RS84]. **elastic** [NE82, PM89, SKA86, YH88b]. **elasticity** [Ta'87]. **electric** [HNK89, HK85b, Mor81]. **electrical** [HHN+86]. **electrode** [CL86a]. **Electromagnetic** [HL87, Wei85, ADK82, BF82, Mar87, MMS86, Mas87, TL81, Tan88, WBF86, ZMC83]. **Electron** [ASL82, BY85, CBG86, CD80, HM80a, Hew80, HL84, JHLS89, Kli83, Mor81, Wie83, WL84]. **electron-field** [Hew80]. **electronic** [Col81a, Fer80, WVP82]. **electronics** [Phi84b]. **electrons** [LBR81, SBBY83, SV89, TLD80]. **electrostatic** [Dec84]. **element** [ABS82, BW88a, Bas84, BE80, BJ81, CB84, CS82, CL86c, CLS89, CFG83, CM80, Cul82, Cul83a, Cul83c, DD89, DO86, DM85, DQS87, Duk84b, EB83, EW88, Fle83, For83a, Fou84, FW81, FWB+81, GDM81, GHK88, Gla89, Gol86b, GF86, GL85, GIT87, HC87, HGS88, HMW86, JWB88, Kaw87, KJL86, KP86b, KHTR89, LLVL89, LV86, LM89b, LG81, LG80, LPS85, LS85, MES80, Man85, Man87, MK83, Mat86, Mos85, MC88b, Nav83, Pat84, Pat86, Pla81, RV88a, SS81, SPG89, Sch88, Ste87a, SLO87, TL84, WD84, WC85b, ZGB88, ZBG88]. **element-finite** [Man85]. **elementary** [MV83a]. **Elements** [YHS86, DH82, Hut84, KSD81, Lyn82, Mav89, OS83a, Pap84, SMRS85, She88, SHK88, VF80, Vij86]. **eliminate** [Tak81]. **eliminates** [GTD89]. **Elimination** [WD84]. **ellipsoids** [PW85]. **Elliptic** [Ten82, BB84a, Boo81, Boo82b, BFT85, BJ84, Cat88, Cha86, DQ85, DM85, Hun86, Kel84, KPD81, Li89, MD88, McD80, PSV89, Phi84b, Phi86, Rig87, Sch80b, SP87b, Wil82, ZWH82, ZWH84]. **Elliptic-vortex** [Ten82]. **elongated** [Rag82]. **embedding** [CJ86]. **embeddings** [NDAL88]. **Emden** [FLP80]. **empirical** [HBR82]. **employing** [Bai80, Tob86]. **enclosed** [Phi84a]. **enclosure** [CHS88]. **encountered** [Zeb87]. **endpoint** [Boy86]. **Energy** [Dec84, Ste87a, Tox83, CQ89, Eck89, HK81, LW89, LNS87, MEGH85, MES80, Mer80, Qin88, Ros80, SHB82, Sch80a, SV89, Wie83]. **energy-conserving** [CQ89, Qin88]. **energy-minimizing** [LW89]. **energy-momentum** [MEGH85]. **enforced** [Nav83]. **enforcing** [Ram83]. **engine** [Ros87]. **Enhanced** [RWC89]. **enhancing** [Mah82]. **ENO** [Har89]. **ENSTA** [Ano81j]. **enters** [LO87]. **entropy** [BKP87, Har83b]. **environments** [McN87]. **Equation** [DGKW84, MK82, Abd87b, AI80, Alv89, AOK81, AA89, Are81, BR80a, BGT83, Bel82, BKP87, BK85b, BST85, BE85, BFH86, BS84, Bro85, BGM87b, CSW85, CW89, Cha81, CS84, CRS88, DF88, DH82, DFP81, Eck89, EB80, EW88, EWR88, FFS82, For83a, FR87, FRRT87, FWB$^+$81, GC89, GR84, GM85, GF86, Gre85a, GRA83, GR82a, GR82b, GC88, HLAD84, HM82, HP87, HPBY86, HMM85, HMW85, Her89, HC81b, IBCS87, IHM81, ICP80, Ixa80, IR87, IM88, JT86, iKI85, KF87, Kel83, Kel84, Ker81, KG85, KK88, KK83, Kru82, KW85, LL81, LBR81, Lav88, LW89, Lim80, LG85, LJ81, Löt82, MH89, MS83, MIK88, MS87a, MMS86, MLB87, MGS82, MD80, MD81b, Mer86, MT86b, MJ87, MM81c, Mos86, Neu81, NS89, Ohr83, OS85, OC87, PC82]. **equation** [Per87, Pic86, PH88, PRV89, PV83, Pro81a, Rai86a, Rap80b, Rei81, RN86, RL89, SS88b, SP81, SH84a, SHK88, Shi81, Ske81, Skö82, Slo88, Spa85, Spi88b, SB87b, SB84b, TA84a, TA84b, TA88, Tal80, Tan85, TY87b, Tem80, TB89, TC87, TM88, Tre81, VF80, Vat89, Vie83, Vie84, Wig88, WK89, vDR89, NDP88]. **Equations** [BO84, MHK86, MvdV81, AG81, Abd87a, AH88a, Adh81a, Adh81b, AEBS86, ABW83, AHP81, AF86, Aug84, Bai80, BCE88, BDR82, BL85, BWY82, BCG89, BB84a, BB86a, BSSV88, Bog88, BST80, BGR80, Boo81, Boo82b, BB86b, BP87, BV82, BB80, BNS83, BW88b, BGM87b, CDP80, CD82, Car80, Cat88, CCCS81, CA85a, CA85b, CJ86, Cha88, CW85b, CHH$^+$86, CKD87, CL81a, CL83, CC84, CL84, CPJ89, CFL86, Cul83a, Cul83c, Dav84, DR85, DD89, DQ83, DQ85, DM85, Dic83, Dic88, Dru80, DP86, Dyk87, EG86, ER85, EHM81, Eyr87, FN80, Far80, FLP80, Fle83, FP88b, For83b, For84, For86, FB88, Fre83a, Fre83b, FF86, GGR82, GGR89, GDM81, GGS82, GT85, Gil81, GS87a, Gla88a, Gla88b, GS89, Gre84b, Gup81, Hal81, HS88a, HA85, HK86, Hen81, Her89]. **equations**

[Hew80, Hir89, HG84, HK84, HW81, Ioa81a, Ioa81b, Ioa82, Iss86, IA88, Ixa80, Jar81, Kel84, KPD81, KM85, KP86b, Kor89, KG87, KHT87, KH87, Lab87, LM89b, LW86, Li80, LC89, Luc87, LPS85, Lyt87, MEGH85, MZH85, MK83, MM81a, MM81b, McD80, Mej86, MPPS84, Mel88, MZ82, MD86, Moh84, Mor81, MP80b, MP89b, MML83, Mru87, MV85, Mul85, Mül88, Mus81, Nat89, Nav83, NN89, Ng81, Nor89, NMG86, OK86, Oey82, OJJ88, OC83, PSV89, Pat89, PND83, Per81b, Phi84b, Pik87, Pom83, Pro82, Qin88, QQM89, Rag82, Rai86b, Ram85a, RG88, Rig87, Riz88, Rok85, Rok89, Ros83, SS86, SSM83, SP87a, Sch82, Sha81, SM84, SSSR83, Sho86, Soh87, SG88b, Spe87, Spi88a, SW81, SBSH84, Ste87a, Ste87b, SN88, Ta'87, TA84c, TA84a, TA84b, TA88]. **equations** [Tak80, TNY85, TY87a, TE86, Tan89, TDhLcSb89, TAJ+81, TB82, TWM82, TF89, Tur87, VM86, Van86, Vat87, VBSS89, Wan83, WW89, WMS88, WP83, WCR+88, Wol85, WVP82, WOZ84, YRT80, ZWH82, ZWH84, Zer85, ZBP83, ZOWZ88]. **equatorial** [GC89]. **equidistant** [GP85]. **equidistribution** [CFL86]. **equilibria** [AB81, ABS82, AHH87, BS86b, FDS81, GIT87, HH85, HHS89, HCG+85, HPL80, MFW88, Shu84]. **Equilibrium** [LJ85, CS81a, DJT80, GDS88, GRS89, HMJ86, HH86, LCC+86, Mac89, MM85a, Oli80, RC81, RA85, RA87, RQ89, RL84, SBBY83, Ta'87, YNAS86]. **equipartition** [Bir86]. **Equivalence** [EM82]. **Erratum** [Ano80j, Ano81i, Ano84h, Ano84i]. **Error** [iKI85, Lan82, OS85, Pry87, ACM88, BB86a, CM80, CDS85, KMRM88, NR80a, RV88b, Sch80a]. **error-control** [NR80a]. **Errors** [LL81, Noh87, Chi88, Hof82]. **essentially** [HEOC87, SO88, SO89]. **estimates** [Cho82, GM82, KMRM88, KS87, Tal80]. **Estimating** [Vie88]. **Estimation** [LS87, HM80b, iKI85, Mor84, Pry87, WC85a]. **estimator** [Dun85]. **estimators** [Wag88]. **etching** [VC85]. **Euler** [CA85a, CA85b, CJ86, Dav84, Dic83, Dic88, ER85, FS89, FB88, Gla88a, Gla88b, LC89, Lyt87, MJ87, MP89b, MV85, Mul85, Mül88, OC83, Pik87, Rai86a, Rai86b, Riz88, Ros83, TB82, WW89, WOZ84, ZOWZ88]. **Eulerian** [CL86b, HW84, KM80, Neu81, Smi88]. **evaluating** [BM89, Dan80, Dav89, Lup87, SMRS85, Wil82]. **Evaluation** [HRT80, Bar82, BV86, CLM88, GM81, GS85b, Hau82, JRS86, Kra83, KPBRF83, LR80b, LR81, MT84a, RH87, SGA81, Sid85, Wag87, Wag88, Wal84]. **even** [BR80b, GM81]. **Event** [Bar87, Rap80a]. **Evolution** [HPL80, HNK89, Kli83, KT86, MZ82, MFW89, NR84, RA81, TA84c, TA84a, TA84b, TA88, Wit84]. **evolutional** [CL84]. **evolutionary** [BW88a, BSSV88, CM80, JWB88]. **Ewald** [AD87]. **Exact** [Boo81, DS86a, JR82, KG89, SS82a, WH87]. **example** [Lab87, NMG86]. **exchange** [OC87, Sad84]. **excitation** [AA89, SA81]. **excited** [NDAL88]. **Existence** [Vat89]. **expansion** [AI80, DG88, Dil85, Eyr84, Fre83a, Fre83b, Hoe83, Hoe84, KPD81, KH84, LCC+86, MMV81, Mat86, McL80, Pat84, Sca87, Tan85]. **expansions** [Boy86, CFR84, Gus80b, HRT80]. **expectation** [WC85a]. **Expeditious** [Whe81]. **experience** [Baa81, HMM85]. **experiment** [BK87]. **experimental**

[BB83, Die83]. **Experiments** [Cul83c, MV85, ABW83, Ano80z, Kra80, OW85]. **Explicit** [CQ89, AM82, Alp81, Alv89, BM85, FWCW86, GHC+86, HC81b, MJ87, PC82, Qin88, SS82a, SMR89, Yee87]. **explosions** [FH81, Gar83]. **explosives** [She86]. **Exponential** [Mun81, Vie83, Bal85, CLM88, Chr88, GS85b, Lev82, Ter81b]. **exponential-type** [GS85b]. **Exponentially** [SS84b]. **Expressions** [LR80a, Afa87, Afa89, MGM86]. **extended** [Dri88b, KH84]. **Extension** [DF88, LW86, FK89, LC88]. **exterior** [Mer86]. **extinction** [GS87b]. **extracted** [WMM86]. **extraction** [Whe81, WWM+81]. **Extrapolated** [HGS88]. **Extrapolating** [Mon85]. **extrapolation** [Eck89]. **extreme** [Ret82].

FACR [Tem80]. **factor** [Cat88, Cha86, Tem83b, Tem85, Tem88c, Tem89]. **factored** [SSSR83]. **factorisation** [Bak81, Cat88]. **factorizable** [Laf89]. **Factorization** [GWZ85a, AOK81, OK86, PC81b]. **factors** [LR80b]. **Falkner** [SH84a, Sum89]. **false** [Str82]. **falsi** [FR87]. **family** [Pom83]. **Far** [BT82, Lar88]. **Fast** [Pat86, SGT88, Sch80b, SS88b, Tem83a, WL84, vDR89, BB84a, BK85b, CBLL86, Cha86, FP88b, GR87, KS81, KW85, MT81, PSV89, PRT83, Pic83, SS86, CFR84, Tem83c]. **feature** [BER85b]. **featuring** [Cat88]. **Feautrier** [Mih85, MK86]. **Feir** [CH88]. **Fermi** [CS84, FLP80, FRRT87, Kru82]. **fermion** [LWP89]. **fermions** [BBG+87]. **ferromagnetic** [MMS86]. **Feynman** [ML85, ML87]. **FFT** [Dil85, EHD89, Osg81, Pic86, PH88, Tem83b, Tem85, Tem88c, Tem89]. **fibers** [MP89a, PM89]. **fibre** [Bel82]. **fibre-reinforced** [Bel82]. **FICE** [HW84]. **field** [AB81, And86, BT82, DG88, FSD81, Hai85, HK85b, Hew80, HSA89, KPB87, MMS86, Mas87, NM80, NTK80, Ram83, Sco88, SBAM82]. **field-reversed** [AB81, FSD81, SBAM82]. **fields** [HNK89, Hai85, MFW89, Mor81, OI87, Per81a, SMR89, Tuc89a, ZMC83]. **filamentation** [Kli87]. **filled** [RS84]. **film** [AH88a, Hun89]. **filter** [FT84]. **filtering** [Alp81, Den81]. **Fin** [Kui88]. **Finding** [MFW88, WBL86, Dye84, QQM89]. **finer** [BLT+81]. **Finite** [Bas84, BK85a, BST80, Car89, CB84, CC84, DFP81, EB83, FW81, Gol86b, GW80, Kaw87, KJL86, LG81, LG80, LPS85, MEGH85, MNM85, Miy86, MC88b, NY82, RV88a, Sch88, SLO87, Tak85, VF80, Alv89, ABS82, BW88a, BCE88, BS83, BC87a, BC87b, BE80, BKP87, Blo82, BJ81, BNS83, Bue88, CKD87, CS82, Chr85, CL86c, CLS89, CFG83, CM80, Cul82, Cul83a, Cul83c, Cul89, DH82, DD89, DO86, DH89, DM85, DQS87, Duk84b, Dyk87, EW88, Fle83, For83a, Fou84, FWB+81, Gar86, GDM81, GT85, Gla89, GP85, GS89, GF86, GIT87, GR82a, HTE81, HC87, Hei88b, Hof82, HMW86, JWB88, KMRM88, KOTK88, LLVL89, LLL88, LV86, LM89b, Lev88, LG85, Luc87, MC88a, Mac86, MES80, Man85, Man87, MK83, Mat86, MP89b, Mos85, Nav83]. **finite** [OS83a, Ohr81b, PC82, Pat86, Per87, Pic83, Pla81, Ros83, RMS85, SS81, SS82a, SPG89, SB88, She86, She88, SHK88, Shy85, SM86, SL85, SW81, SBSH84, Ste87a, Tak80, TL84, Tha80, Vij86, Vin83, Vin89, WW89, WMM86, WD84, WC85b, ZGB88, ZBG88]. **Finite-difference** [DFP81, GW80, MEGH85, Miy86, Alv89, BCE88, BC87a, BC87b, BKP87, Blo82, DH89, Gar86, GR82a, Hof82, Luc87, RMS85, SS82a, SW81, Tak80, Tha80, Vin83, Vin89]. **Finite-dimensional** [BK85a]. **Finite-element** [EB83, FW81, KJL86, BE80, CS82, CL86c, Mat86, Nav83, Pla81, TL84, WC85b]. **Finite-sized** [NY82]. **finite-volume** [Vin89]. **first** [ABW83, Ano87j, BR80a, ML83a, ML83b, MP80b, NR84, Wal84, Wil82, YRT80, ZBP83]. **first-born** [ML83a, ML83b]. **first-order** [MP80b, ZBP83]. **fitted** [Abe89, AD83, DH82, HC81a, LBS88, MT84b, MS80, Ohr83, TMCS85, TB89, TWM82, Uch83]. **fitting** [BB84b, MES80, MM88, MP89b]. **five** [AG80, HTE81]. **five-point** [AG80, HTE81]. **fixed** [Ana89, CH84]. **Flame** [Cho80, KS87]. **flames** [GS87b, OA85, Smo82]. **flanged** [CDP80]. **flight** [Yor86]. **FLIP** [BR86]. **flooding** [CS82]. **flow** [Abe89, Ana89, Ano80z, Ano82i, BM87a, Bak81, Ber85a, Ber83, BE85, Bra88, BD82, Bra84, Bra86, BR81, CH84, CHS88, CL86c, CDH81, CFG83, Dic83, DP86, EB81, EM81, Fer88, FS87, For85, FFG87, FW81, FF86, GGS82, GC87, GS87b, GMM81, GG86, GX89, GH87, GW80, Hal88, HD85, Hor87a, IT89, Iss86, JY83, JR85, Kan81, KP89b, KP89a, KK81, Kel83, KTH88, KH80, KGH80, Leo80, LG81, LV89, LBS88, Löt82, LC88, LG80, Lyt87, Mac86, Mah82, MP80a, MP89a, MZ83, MSK80, Mey81, MSB87, MML83, MTM81, O'B81, OI87, PG88a, Pat87, Pat84, Pea81, PVMZ87, PM80, PM89, Pul80, RC81, RA85, ROS85, RA87, RM87, RH84, RH88a, Rig81, Rob89a, RWC89, RM82, SS81, SB88, SC82, SSG81, Shy85, Soh87, SS84b]. **flow** [SW84, SZH85, Sum89, Tak85, TL84, Tan89, Ten82, Tut86, Uch83, Van84, Vij86, Whi87, WR84, WC84, YRT80]. **flow-** [FS87]. **flows** [AH85, And85, And89, Asa87, AD83, BDR82, BT82, BaB86, Ba89, BE80, Boe82, BR86, BS89b, CA85b, CPJ89, CB80, CBL81, Cul89, DS86b, Dar89, DS86c, Fer87, Flo85, Flo86, GGR89, GG88, GP81, Gre85b, Gre88, GH86, HMI83, Har80, HL85, HR84a, HP87, HW84, Hu89, Hun89, IGW86, Ker88, Keu86, KMA89, Kor88, KHTR89, LL81, Li80, Mac89, MGS82, MT81, MK80, Pan89, PP88a, PL86, PJ83, Qua81, QN86, RS81, RH88b, Ros80, Ros89, Sak81, SK83a, SH84b, SS85, SS82b, TR86, Vie88]. **fluctuation** [KD88]. **fluid** [Ada88, Ano80z, Ano81j, Ano87j, BM89, BAF84, BST80, BR86, Clo87, Duk80, FF86, GMM80, HN81, Hua81, Iss86, JH83, KH80, KGH80, Lam81, Mah82, MZ83, MK80, MTM81, Nav87, NY82, NY83, O'R84, Pat84, Per83, PM89, ROS85, RV88a, RE87, Sak81, SS88a, Sch82, Sch80b, SBT86, SH84b, Spe87, SR85, TLD80, Tak85, TS81, VTB89, Wan83, Wil80a, WR86, WC84, YP88, Zer85]. **fluid-structure** [Sch80b, TS81]. **fluidized** [CG89]. **fluids** [CO80, SH84c]. **Flux** [McD89, MC85, Mül88, SW81, ADR84, CLJ+89, CM89, Clo87, Dic88, Dun85, Gan85, Gar83, HCG+85, HPL80, KW87, KP83b, Mac89, MA84, MMR89, MS87b, Noh87, PG87, PGBO87, Pom88, Rom89, SM89, SMR89, Sto84, YRT80]. **flux-conserving** [HPL80]. **Flux-corrected** [McD89, MC85, PGBO87, SM89, SMR89]. **flux-difference** [Dic88]. **flux-limited** [Pom88]. **Flux-vector** [Mül88]. **fluxes** [LvLS89, MC88a]. **Fock**

[QQM89]. **Focusing** [BNS83, CH88, OG86]. **Fokker** [AH88a, AOK81, BKP87, FWB$^+$81, Her89, LLPS85, MS86, MD80, Wie83]. **folding** [Kra83]. **follower** [Mej86]. **force** [Gol86a, SG86, TLD80]. **force-biased** [Gol86a, SG86]. **forced** [For86, JY86, KP85, KP86a]. **Forces** [BP88, vDR89]. **Ford** [FK89]. **forecast** [TGP80]. **foreword** [Ano82h, Edi82]. **form** [Har83b, MGM86, PC81b, Qin88, Sca87, SBBY83, Tuc89b, Wal84, WW89, WG86]. **formation** [MK86, Smi81, YH88b]. **formed** [FDS81]. **forms** [Gup81, Hor87a, MM81b]. **formula** [Aiz85, Eck89, Ioa82, ZBP84]. **formulas** [HC81b]. **Formulation** [Rob89a, Bas84, FF86, GS89, HK86, Laf89, LM89b, Lyt87, Spe87, SBSH84, WR84]. **formulations** [LV89, OS88, Vin89]. **Forthcoming** [Ano82s, Ano84t, Ano85i, Ano80k, Ano80l, Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano80r, Ano80s, Ano80t, Ano80u, Ano80v, Ano80w, Ano80x, Ano80y, Ano81k, Ano81l, Ano81m, Ano81n, Ano81o, Ano81p, Ano81q, Ano81r, Ano82j, Ano82k, Ano82l, Ano82m, Ano82n, Ano82o, Ano82p, Ano82q, Ano82r, Ano83i, Ano83j, Ano83k, Ano83l, Ano83m, Ano83n, Ano83o, Ano83p, Ano83q, Ano83r, Ano83s, Ano83t, Ano84j, Ano84k, Ano84l, Ano84m, Ano84n, Ano84o, Ano84p, Ano84q, Ano84r, Ano84s, Ano84u, Ano85h, Ano85j, Ano85k, Ano85l, Ano85m, Ano85n, Ano85o, Ano85p, Ano85q, Ano85r, Ano85s, Ano85t, Ano85u, Ano85v, Ano86k, Ano86l, Ano86m, Ano86n, Ano86o, Ano86p, Ano86q, Ano86r, Ano86s, Ano86t, Ano86u, Ano86v]. **forthcoming** [Ano87k, Ano87l, Ano87m, Ano87n, Ano87o, Ano87p, Ano87q, Ano87r, Ano87s, Ano87t, Ano87u, Ano87v, Ano88k, Ano88l, Ano88m, Ano88n, Ano88o, Ano88p, Ano88q, Ano88r, Ano88s, Ano88t, Ano88u, Ano88v, Ano89l, Ano89m, Ano89n, Ano89o, Ano89p, Ano89q, Ano89r, Ano89s]. **found** [TDhLcSb89]. **Four** [Wil81, Ste84]. **Fourier** [CFR84, Tem83c, AI80, BK88a, Can81, GS85b, GC88, Hal81, HPBY86, Hei88b, Kli83, KK83, Kra83, LR80a, Lyn84, NM80, NS89, Pic83, SS88b, SM84, Tem83a]. **Fourth** [KJM80, Gup84, HTE81, Ano81j]. **Fourth-order** [KJM80, Gup84]. **Fowler** [FLP80]. **fraction** [Bar82, HRT80]. **Fractional** [Ste81, BP87, GM88, KM85, LM87a, MG89]. **fractional-like** [LM87a]. **fractional-step** [KM85]. **fractions** [Mar81]. **FRAM** [Cha81]. **FRAM-Nonlinear** [Cha81]. **Frame** [MK82]. **France** [Ano81j]. **Frankel** [CR84]. **Fredholm** [BR80a, Hag80]. **Free** [Yor86, AH85, Asa87, BY85, BE85, BG84, CL86b, ET88, For89, FW81, GDS88, GS85a, HN81, HK81, Hun86, Hun89, Keu86, LC88, Mey81, MSB87, PJ83, SS80, TLD80, Tuc89a]. **free-boundary** [ET88, GDS88]. **Free-flight** [Yor86]. **free-surface** [Asa87, BE85, For89, MSB87]. **frequencies** [LO86, WMS88]. **frequency** [ADR84, BFH86, SS88a]. **frequency-dependent** [ADR84]. **frog** [AA89, CR84, SM86]. **Front** [CGM$^+$86, DW81, Gre84b, Löt82]. **Fronts** [BM87b, OS88, She87]. **fuel** [BM87b]. **Full** [CLJ$^+$89, CHH$^+$86, DH82, HW84]. **full-implicit-continuous-Eulerian** [HW84]. **Full-wave** [CLJ$^+$89]. **Fully** [BSS82a, GP81, Smo84, SK86]. **function** [Boy84, CFR84, Dav86, DQ83, Dye84, EJL87, GM81, Hau82, JRS86, LM87a, MM88, MG89, O'R84, PT86, Paj89, PW85, Puo88, SSS$^+$84, ST88, SC81, Ter81c]. **functional** [Hoe83, MB80, Wag87, Wag88]. **functions** [Afa87, Afa89, ADL87, Bar82, Ber88, Boy86, Boy87a, Boy87b, BPD81, CD82, CRS88, Die83, Eyr87, Gre84b, GS85b, GM88, IA85, JR82, Law85, MMV81, Mar81, O'B80, OS83b, PC81a, Pie84, PA86, Pri89, RH87, SN83, SGA81, Ter81a, Ter81b, TB86, Vin83, Wal84, WK89]. **fundamental** [KF87]. **Further** [SC86, TY87b]. **fuselage** [SC82]. **fusion** [Wil80b]. **future** [Ano89a, Ano89b].

galaxy [Sel83]. **Galerkin** [AEBS86, ABW83, Bue88, CLS89, DO86, GS89, GF86, MD86, MP80b, MS87b, Nav83, RMS85, SSC81, SBSH84, Ste87a, Tre81, VJ89]. **GAMM** [Ano81j]. **gamma** [Sto84]. **gap** [DQ85]. **gas** [Abe89, CGM$^+$86, CW84b, DS86a, GW85, HR84a, HMS89, KK81, KS89, McL80, O'R89, Pul80, Rei81, RH88b, Roe86, SMR89, Tak86]. **gas-dynamical** [CW84b]. **gasdynamic** [SW81]. **gases** [CG85, Gla88a, Gla88b, GG88, HA85, LvLS89, MM85a, Mül88]. **gauge** [Hoe83, KKMP86, ML87]. **gauges** [ML85]. **Gauss** [Mar87]. **Gaussian** [LR80b, Pri89, RH87, Shi81, Ter81a]. **General** [FZ87, OF82, BCT89, BS81, DVW87, Duk84a, Duk85, DCA89, GDM81, GM82, HP87, LD89, Lup87, MEK86, Nor80, OC83, Pir80, Smi88, SB84b, CA85a]. **Generalised** [MP80b]. **generalization** [HN82]. **Generalizations** [ST89a]. **Generalized** [BaB86, Ter81b, Ba89, CLM88, CS81b, FWHC86, GP89, GKL$^+$87, GS88, Hau82, Ioa82, Kal84, Mor89, Pri89, Ram85b, Ram86]. **generate** [Hos86]. **generated** [MNM85]. **generating** [ADL87, CP88b, Hoe83, Sal86, Spa85, Wik89]. **Generation** [Hai85, Uch83, And89, BM87a, BSS82b, CW85a, Eis82a, Eis82b, Flo85, Flo86, FK89, FWHC86, GE88, HC81a, Ino83, Ino85, KL89, MEK86, MD88, MT84b, MS80, Ohr81a, Ohr81b, Pea83, Per81a, She86, Sid85, Ste86, TMCS85, TB89, War86, Yor86, vDS80]. **generator** [ABDV81, KS81, PHD89]. **generators** [CM86, Hal89, PP88b]. **geodesic** [Sha81, Tha80]. **geomagnetism** [CP88a]. **Geometric** [LB87, War86]. **geometries** [KP89a, Ors80, OC83, Tuc89a]. **geometry** [CLJ$^+$89, CHH$^+$86, KP86b, KW85, SM84, SN88, WG86]. **geophysical** [Nav87]. **given** [Hai85]. **glaciers** [YHS86]. **Glimm** [FH81]. **Global** [PC81a, ST89b, Hew80, ZMC83]. **glow** [Bal85, BCE88]. **goal** [Ng81]. **Godunov** [BDS88, BCT89, BAF84, Duk85, DCA89, GW85, Vij86]. **Godunov-type** [BAF84]. **Goldstone** [CP88b]. **Gordan** [KTT89, Pap84]. **Gottlieb** [FT84]. **governed** [Li80]. **GPST** [CL87]. **gradient** [AG80, BDJS86, Ker80, MM85b, ROS85, SHB82, WVP82]. **gradient-type** [BDJS86]. **gradients** [GDM81, KE87]. **grading** [EW88, EWR88]. **Graetz** [KH84]. **grain** [Bas84]. **Gram** [Tob86]. **Graphic** [Bow84]. **graphs** [FK89]. **gravitational** [Bow84]. **gravity** [BP80, CS82, GC89, Lim80, Pro81a]. **gravity-wave** [BP80]. **Green** [JRS86]. **grey** [Lar88]. **Grid** [Bor86, CH88, GS85a, Ino83, Ino85, Pik87, RA81, Abd87a, Abd87b, BSS82b, BS83, BK88a, BSSV88, BLT$^+$81, CLF84, Far80, GE88, HH83, LB87, MEK86, MD88, MT84a, MT86a, NY82, Pet87, Pic86, Pro81b, Rai86b, SJ88, Sco85, SOS89, Ste86, VBSS89, War86]. **Grid-free** [GS85a]. **grids** [ADL87, CFR84, Cul82, DD87, Gar83, Got88, Lev88, MM89, Neu81, PH88, Pik87, TGP80, TB89]. **Grimm** [JDK86]. **Group** [Tre83, BGMT89, KSD81]. **groups** [Bar80, GWZ85a]. **Growth** [RQ89]. **Guidelines** [MvdV81, Pes81]. **Guiding** [KO86, SSS+84]. **Guiding-center** [SSS+84]. **Gustafsson** [Tre83]. **Gyrokinetic** [Lee87].

half [SKA86]. **half-complex** [Tem88c]. **half-space** [SKA86]. **Hall** [HM89]. **Hamada** [BS86b]. **Hamilton** [Hit80, OS88]. **Hamiltonian** [Aiz85, HR86, IA88, KPB87]. **Hamiltonian-conserving** [IA88]. **Hamiltonians** [HBR82]. **Hankel** [BK85b, GM81]. **hard** [PW85]. **harmonic** [CB89, DG88, Dil85, EHD89, SN83, SB87a]. **harmonically** [CFG83]. **harmonics** [BS84]. **Hartree** [QQM89]. **Hausdorff** [Cho82]. **having** [DS86c]. **heart** [MP80a, MP89a, PM80, PM89]. **Heat** [LS85, Din86, FF86, GMT+81, HK83, IM88, JT86, LG85, Noh87, PG87, She86, SS89]. **heatbath** [KKMP86]. **heated** [Bon84, Mac86]. **heating** [BM80a, VE87]. **heavy** [Kra83]. **heavy-ion** [Kra83]. **Hele** [AH85, Mey81]. **HELIAC** [SM84]. **helical** [DG88, HHS89]. **helically** [GDS88]. **Helmholtz** [BGT83, HLAD84, JRS86, MS83]. **HELP** [Sch80a]. **HERA** [BHM+83]. **Hermite** [Boy84, GP80, Pri89]. **Hermitian** [HN88, Nex87, SMRS85]. **heterogeneous** [SV89]. **hexagonal** [Pic86, PH88]. **hexahedral** [Duk88]. **High** [ASIO86, BL88, BM85, BFH86, Eis82b, Gar86, GGS82, Har83a, HC81b, IM88, Lev88, MIK88, MA84, SS88a, Zal81, CJW85, Gla89, GW85, HEOC87, Kob85, MS83, Mor82, Mun88, Pat86, SV89, Ten82, Tur80, WW89, Yam83]. **high-density** [Mor82]. **High-frequency** [BFH86, SS88a]. **High-order** [ASIO86, BL88, MA84, GW85, Pat86, Tur80]. **High-Re** [GGS82]. **high-resolution** [WW89]. **Higher** [BM87a, BCT89, GM88, BDS88, GH87, Kui88, Lup87, MD81b, OF82, Rob89a]. **Higher-order** [BM87a, Lup87, MD81b, OF82]. **highly** [Dav89, Ixa80, JT86]. **hoc** [Ehr81]. **Hodgkin** [CCCS81]. **hole** [Sha81]. **homogeneous** [Adh81b, Bas83, KD88, Moh84, YP88]. **hopscotch** [BR80b]. **horseshoe** [Tan89]. **hot** [SB87b]. **Hugenholtz** [CP88b]. **Huxley** [CCCS81]. **Hybrid** [BHS87, MSD87, Mru87, FSD81, FWCW86, GIT87, Har82, Hew80, HSA89, KTH88, Mas83, MM85b, VE87, ZC86]. **hydrocodes** [HN80]. **hydrodynamic** [Boy85, Ker81, SHK88, TR86]. **hydrodynamically** [Vie88]. **Hydrodynamics** [BC89, BDR80, For89, FWCW86, FOF88, GM82, LM86, Smi88]. **Hyperbolic** [BO84, Cou85, RH84, RH88a, AM82, BL85, BWY82, BCT89, CQ87, Cul82, DQS87, Gar78, Gus80a, Gus80b, Gus82, HTE81, Har83a, HH83, Hen87, JT86, MA84, McD89, Mor81, MP80b, Mun88, TNY85, TY87a, TE86, Tho87, Tur80, Vat87]. **hyperbolic-type** [TNY85]. **hypergeometric** [Ter81b]. **Hypersonic** [RH88b]. **hypersphere** [NSJ85]. **hyperthermia** [LPS85]. **Hyperviscosity** [PP88a]. **hysteresis** [HSV88].

ICE [MT81, RD83, Smi88]. **ICE-like** [RD83]. **Ideal** [GDM83, HG86, BW88b, MZ83, Pul80, WG86]. **ideal-gas** [Pul80]. **Identification** [HSV88]. **II** [Abd87a, ACM88, Bar80, CA85b, CS81b, GMM80, HTE81, JWB88, KP86a, KGH80, LM89a, ML83b, MP89a, MK86, ML87, SO89, TA84a, VSS86, ZBG88, ZWH84]. **III** [CLS89, HEOC87, TA84b]. **imbedding** [KR84]. **Immersed** [PM89]. **Implementation** [FLP80, HMS89, PHD89, Tem85, ZBP84, Ada88, CW81, HR86, HMW86, KHTR89, O'R89, PT82, SO88, SO89]. **Implementing** [Hit80]. **Implicit** [Alp81, BKLT83, BDR82, CLF82, Cul89, Mas81, Mas83, Oey82, YWH85, AM82, AHP81, ADR84, AB85, BWY82, BSS82a, BF82, BDR80, BM80b, BF86, Bro89, Bro85, CFT82, CLF84, CLHP89, CBG86, FS89, FC84, FS86, FWCW86, GHC+86, HK85a, HS86, HM89, HTE81, HL87, HW84, Hu89, HL84, IGW86, KR89, LCF83, Lev82, Mas87, MZ82, MV85, PGBO87, PC86, PC81b, SBM+87, Sco88, She86, SSSR83, Smi88, Smo84, SL85, SM89, SMR89, Tan88, TB82, TR86, Van86, WBF86, Yee87]. **implicit-explicit** [FWCW86]. **implicitly** [Iss86]. **Improved** [BFT85, FR87, RA85, Din86, GPS88, IHM81, LC89, OS85, Rom89, Son85, TE86]. **Improvement** [EFCS88, CL87, Mat86]. **improvements** [Bas83, Wil81]. **improves** [WC85a]. **Improving** [ADG86, BR80a, FC84]. **impulse** [CCCS81]. **in-place** [Tem85, Tem88c]. **inadequate** [CL81a, Nol85]. **Including** [DGKW84]. **Inclusion** [RA87]. **Incomplete** [MvdV81, Ker80, Ter81c]. **Incompressible** [PG88a, Abd87a, And89, AB84, BCG89, BE80, BP87, BS89b, CPJ89, CBL81, Fer87, FB88, FW81, GGR89, GGS82, GS89, Gre85b, Gre88, GG86, HMI83, HN80, IGW86, KM85, KHT87, KHTR89, LG81, MK80, MTM81, Nat89, PM89, PL86, QN86, Riz88, Ros89, RWC89, Soh87, SG88b, SBSH84, SN88, Tak85, Tan89, Ten82, TF89, Tur87, Tut86]. **incorporating** [Mar87, VF80]. **Incorporation** [Mei89]. **increasing** [BKP87, KT86]. **independent** [Hal89, HG88]. **index** [Ano80e, Ano80f, Ano80g, Ano80h, Ano80i, Ano81c, Ano81d, Ano81e, Ano81f, Ano81g, Ano81h, Ano82d, Ano82e, Ano82f, Ano82g, Ano83e, Ano83f, Ano83g, Ano83h, Ano84d, Ano84e, Ano84f, Ano84g, Ano85c, Ano85d, Ano85e, Ano85f, Ano85g, Ano86e, Ano86f, Ano86g, Ano86h, Ano86i, Ano86j, Ano87d, Ano87e, Ano87f, Ano87g, Ano87h, Ano87i, Ano88e, Ano88f, Ano88g, Ano88h, Ano88i, Ano88j, Ano89f, Ano89g, Ano89h, Ano89i, Ano89j, Ano89k]. **induced** [CM82, SS85]. **inductance** [HGS88]. **induction** [But88]. **inductive** [CF82]. **inelastic** [AP88, MT86a]. **inertia** [Hew80]. **Inertial** [MK82]. **Inertial-Frame** [MK82]. **infinite** [ANAN84, Boy87a, Boy87b, GP89, HRT80, KL80, Mav89, WC85b]. **infinite-domain** [Mav89]. **infinity** [Kru82]. **Influence** [Blo82, Nor89, PC86]. **inherent** [AA89, Gol86a]. **inhomogeneous** [CL86a, SW85, Wol81]. **Initial** [Cou85, NTK80, Pom88, Str80, AM82, Bow84, Dav81, DD87, NR80b, Rob85, ZOWZ88]. **Initial-Boundary-Value** [Cou85]. **initio** [MW87, MD81a, Tak81]. **injection** [FDS81, GMT+81, Law88]. **inlet** [Ino85]. **inner** [KR86]. **innovation** [Zab81]. **instabilities** [BM80a, Boy85, CH88, HT86, SKS82, SM86, Slo88, Smi81, Sto86, SLO87, SA81]. **instability** [Bra88, BNS83, EM80, HSA89, MZ83, MJ87, Ota88, Sid85, Try88, VSS86, Zuf89]. **integrable** [LM87a]. **Integral** [BGM87b, HM82, QN86, Adh81a, Adh81b, AEBS86, ABW83, BS86a, Bal85, BR80a, Bel82, BST85, CDP80, Col81b, CRS88, EHM81, Eyr87, EW88, Fet84, Fre83a, HA85, IHM81, Ioa81a, Ioa81b, Ioa82, iKI85, Kel83, Kel84, Lim80, LC88, MGM86, Mer86, Mos86, Nav83, RH87, Rok85, Rok89, SP87a, Sch82, SH89, Sid85, SB87b, Str89, TDhLcSb89, Zer85]. **integral-equation** [Bel82]. **integrals** [Afa87, Afa89, CLM88, Cla87, Dan80, Dav89, DFG81, FP82, FZ88, Hal87, JR82, KK89, LR80b, LR81, Lup87, MD81a, ML85, ML87, Pri89, Puo88, Tak81, Ter81a, Wag87, Wag88, Wil82]. **integrands** [Dav89]. **Integrated** [Chr87]. **integrating** [Alz84, Ber88, LR81, TC87, Wol85]. **integration** [Aiz85, ACM88, BL88, CLF82, EB80, GHC$^+$86, GR82a, GR82b, KK89, KK88, KW86, Kru82, LL81, Neu83, NSJ85, Nor80, OS85, Per81b, SSM83, Sha81, Ves82, Wol81, ZBP83, ZBP84]. **integrations** [Dri88b, Pea83]. **integro** [Pro82, Ram85a, TY87b, Vat89]. **integro-differential** [Pro82, Ram85a, TY87b, Vat89]. **integrodifferential** [Fre83b, MPPS84]. **Interacting** [BP88]. **Interaction** [Hau81, CW85a, Hal88, Kra83, LLL88, MV83a, MPPS84, SS84a]. **interactions** [CDS85, Mac81, MMR89, Sch80b, TS81]. **Interactive** [BR81]. **interesting** [BB86b]. **interface** [Fou84, GMM81, MC88a, Wes88]. **interfaces** [BaB86, Li89, Smi88]. **interior** [BW81, Boy85, Mer86]. **intermediate** [IT89]. **internal** [GP81, O'B81, PL86, Soh87]. **International** [Ano82i]. **interpolated** [TNY85, TY87a]. **Interpolating** [Ber88, KOTK88]. **interpolation** [Hor87b, Ioa82, KW86, Mon85, SW88, OvOH89]. **interpolations** [ASIO86, BLT$^+$81]. **interpretation** [Tre83]. **interval** [Boy87a, Boy87b]. **intrinsic** [FDS81]. **introduction** [HL86]. **Invariance** [Vic86, Aiz85, Alz84]. **invariant** [GWZ85a, GWZ85b, KR84, Lab87, MT81]. **invariants** [Nav83]. **Inverse** [ADKM82, Dun81, CL83, CL84, DS86b, DJT80, DH84, GIT87, Hag81, HH86, Tob86]. **Inversion** [DGKW84, CL87, DFG81, DS89, Kai83, Lan82, NMG81, SP87b]. **investigation** [IT89, SE87, TM88]. **inviscid** [Fer88, FS87, GG88, Lav88, LvLS89, Pul80, SW81, SS84b]. **involving** [Afa87, Afa89, ABW83, AHH87, CD82, Mac81, MGM86, MK80, RH87, Sid85, SMR89]. **Ion** [WWM$^+$81, CDS85, FSD81, FDS81, Kra83, MSD87, Ota88, Whe81]. **ion-cyclotron** [Ota88]. **ionic** [Mac81, MPA88]. **ionised** [SBBY83]. **ionosphere** [YRT80]. **ions** [WMM86]. **irregular** [Cul82, PSV89, Pik87, SW88, TGP80]. **Ising** [Har81, HSSC83, HK81, Lub88, Sad84]. **islands** [MFW88]. **Isolas** [KSM82]. **isoparametric** [KP86b]. **isothermal** [JH83]. **isotherms** [Mer80]. **isotope** [Ema81]. **isotropic** [KD88]. **issues** [Ano89a, Ano89b]. **iteration** [Boe82, RA85]. **iterations** [SPG89]. **Iterative** [Adh81b, EHM81, Hir89, RRS89, Tob86, vdV81, Adh81a, BGT83, BDJS86, CSW85, CL84, CX86, DJT80, Duk85, FLP80, GPS88, Ioa81a, IGW86, KE87, Kre88, MSW87, NV89, Ret82, RL89, Tan86]. **IV** [TA88].

Jacobi [OS88]. **Jacobian** [ST89a]. **jet** [BST80, Lim80, SBT86, Chr87]. **jets** [SE87]. **joint** [HP87]. **Jones** [RQ89]. **Josephson** [MB80]. **junctions** [MB80].

Kadanoff [HK81]. **Kansa** [RD83]. **Kantorovich** [Rag82]. **keeping** [Osg81]. **Keith** [Kil87]. **Keller** [Jon81]. **Kelvin** [BL82, Hen81, MW84]. **Kernel** [GM82, Fre83a, Fre83b, HS88b, OC87]. **kernels** [BM85, Ioa82]. **kind** [ABW83, BR80a, Wil82]. **Kinetic** [Ber85a, Gla84a, Mus81, Sch80a]. **kinetics** [Bro80, KK81, Sad84]. **KKR** [Che84]. **KKR-method** [Che84]. **known** [OA85, WH87]. **Korteweg** [AI80, AA89, HPBY86, MS87a, NS89, Slo88, TA84b, TA88]. **Kreiss** [Tre83]. **Kutta** [CLS89, Wil80c].

L [Sch88]. **L-shaped** [Sch88]. **Ladik** [DF88]. **Lagrangian** [Aug84, BP87, Clo87, FWCW86, FOF88, Ker81, LB87, Neu81, Oli80, Per83, SHK88, SS85]. **Laguerre** [GM81, Mav89, Ram85a]. **lake** [BC87a]. **lakes** [BS81, Rag82]. **Laminar** [Pat84, Ana89, Ano82i, GC87, GS87b, HK83, HD85, JY83, JY86, KP89b, OA85, Smo82, Tan89, vDS80]. **Lanczos** [BBG+87, CW81, Kal84, MSW87]. **Lanczos-type** [Kal84]. **Langevin** [EB80]. **Laplace** [Are81, BS84, RN86, Skö82, Wig88]. **Laplacian** [Sch88, TB89]. **Large** [Ker89, BJ84, CKR87, CS81b, CW81, Fuc89, GPS88, GDM81, GKL+87, GS88, HN82, Hir89, HN88, Hor87a, KTH88, Kos84, LBO+89, LCF83, MM81c, NV89, Nex87, O'B80, OJJ88, Pea83, Ret82, Riz88, SPG89, SGT88]. **large-eddy** [KTH88]. **Large-scale** [Ker89, Riz88]. **largely** [MT81]. **Larson** [Mon81]. **laser** [Bon84, CW85a, CW80, DKD85, DKWD89, SS84a]. **laser-molecule** [CW85a]. **laser-plasma** [SS84a]. **lasers** [BY85]. **Lattice** [Mac81, Ber88, BGM87a, HA85, HMS89, Hoe83, KKMP86, KS89, PT82, ZMC83, dFLR85]. **lattice-gas** [KS89]. **lattices** [CKR87]. **law** [BKP87, Hit80, Mar87, MW84]. **laws** [BS83, BDS88, BCT89, CLS89, HTE81, Har83a, HH83, Har83b, Hen87, LV89, MA84, McD89, Mun88, Vin89]. **Lax** [BLT+81]. **layer** [GHK88, Hal88, HO80, HW81, KTH88, MM81c, NE82, Sum89, TL84, WC85b, vDS80]. **layered** [SS88a]. **LBI** [KG87]. **LCAO** [Tak81]. **lead** [SA81]. **leap** [AA89, CR84, SM86]. **leap-frog** [AA89, CR84, SM86]. **leapfrog** [CH88]. **Least** [Mun81, BB84b, CFG83, MM88]. **Least-Squares** [Mun81, BB84b]. **leftmost** [GPS88]. **Legendre** [Afa87, Afa89, Hit80, OS83b, Sca87, TE86]. **Leibbrandt** [ML87]. **length** [CH87, Van84]. **Lennard** [RQ89]. **Lennard-Jones** [RQ89]. **letter** [Kan83]. **level** [Eis82b, SC85]. **levels** [Kob85]. **Leverett** [Pro81a]. **lie** [Mil89a, Pap84]. **lifting** [Lyt87]. **light** [ML85, ML87]. **light-cone** [ML85, ML87]. **like** [KM80, LM87a, RD83, TST+86]. **limitations** [BS84]. **limited** [ADR84, HN80, MS87b, Pom88]. **limiter** [Clo87, YNAS86]. **limiting**

[WOZ84]. **Limits** [TST+86, GS87b, Vie88]. **Line** [Hei88a, BF86, KPB87, MK86, RL84, RMS85, SS80]. **Linear** [MvdV81, Zuf89, vdV81, Aiz85, ABW83, Alz84, BDJS86, CFH+82, CR84, DFP81, DO86, EG86, FN80, FK89, Hir89, MIK88, Mat86, Per87, PP88b, PC86, Rap80b, SGT88, SB84a, SB84b, TL84, Var84, WVP82]. **linearised** [Gla88a, Gla88b]. **linearization** [Ohr81b]. **Linearized** [Mun81, BM80b, For83b, For84, FSD81, JL86, KJL86, LL81]. **linearly** [Tak81]. **lines** [BB86a, Car80, DKD85, DKWD89, Ohr81a, Str80]. **Liouville** [Boy85, EJL87, LBM87, MV83b, PT86, Pru88]. **liquid** [Duk80, SE87, TDhLcSb89]. **liquids** [Gol86a, SG86]. **List** [Ano80k, Ano80l, Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano80r, Ano80s, Ano80t, Ano80u, Ano80v, Ano80w, Ano80x, Ano80y, Ano81k, Ano81l, Ano81m, Ano81n, Ano81o, Ano81p, Ano81q, Ano81r, Ano82j, Ano82k, Ano82l, Ano82m, Ano82n, Ano82o, Ano82p, Ano82q, Ano82r, Ano82s, Ano83i, Ano83j, Ano83k, Ano83l, Ano83m, Ano83n, Ano83o, Ano83p, Ano83q, Ano83r, Ano83s, Ano83t, Ano84j, Ano84k, Ano84l, Ano84m, Ano84n, Ano84o, Ano84p, Ano84q, Ano84r, Ano84s, Ano84t, Ano84u, Ano85h, Ano85i, Ano85j, Ano85k, Ano85l, Ano85m, Ano85n, Ano85o, Ano85p, Ano85q, Ano85r, Ano85s, Ano85t, Ano85u, Ano85v, Ano86k, Ano86l, Ano86m, Ano86n, Ano86o, Ano86p, Ano86q, Ano86r, Ano86s, Ano86t, Ano86u, Ano86v]. **List** [Ano87k, Ano87l, Ano87m, Ano87n, Ano87o, Ano87p, Ano87q, Ano87r, Ano87s, Ano87t, Ano87u, Ano87v, Ano88k, Ano88l, Ano88m, Ano88n, Ano88o, Ano88p, Ano88q, Ano88r, Ano88s, Ano88t, Ano88u, Ano88v, Ano89l, Ano89m, Ano89n, Ano89o, Ano89p, Ano89q, Ano89r, Ano89s, FK89]. **Liu** [Kos84]. **loadings** [NTK80]. **Local** [BC89, And86, BV82, BV86, Cha86, CLS89, Got88, OC87, SJ88]. **localization** [SW88]. **Locating** [Dav86, IA85]. **locomotion** [FP88a]. **Log** [Mru85, TL84]. **Log-derivative** [Mru85]. **log-linear** [TL84]. **logarithmic** [Fre83a, MT84a, MT86a]. **Logical** [Bor86]. **Long** [PP88b, CCCS81, HS86, Mac81, ZBP84]. **long-range** [Mac81, ZBP84]. **look** [VSS86]. **lookback** [ZMC83]. **loop** [LWP89]. **loops** [HSV88]. **Low** [Wil80c, BCE88, Bra88, Cul83a, Cul83c, IT89, PV83, QQM89, Tur87]. **low-lying** [QQM89]. **low-order** [Cul83a, Cul83c]. **low-speed** [Bra88]. **Low-storage** [Wil80c]. **low-temperature** [PV83]. **lower** [VE87]. **LTE** [SC85]. **LU** [OK86]. **lumping** [Nav83]. **lying** [QQM89]. **Lyness** [IA85]. **Lytton** [Lyt87].

M [BBGN80]. **Macroscale** [Tan88]. **Macroscopic** [EM80, Har82]. **MACSYMA** [Lo85]. **magnetic** [DG88, KPBRF83, KPB87, MFW88, MFW89, NM80, NTK80, Per81a, Ram83, RG88, Sco88]. **magnetized** [BKLT83, Tan88, Wei85]. **Magneto** [MHK86, CF82]. **magneto-inductive** [CF82]. **Magneto-Plasma** [MHK86]. **Magnetohydrodynamic** [BLT+81, AB85, BS86b, BB80, HH85, HHS89, HK85a, HS86, HM89, HW84, Hu89, SK80, SBC84, SBM+87, Sto86, TLD80]. **magnetohydrodynamics**

[BW88b, KR89, VTB89]. **magnetostatic** [KO86]. **maintaining** [LBO+89, Per83]. **Mandelstam** [ML87]. **manipulation** [Gla84a, KTT89, SR85]. **manipulator** [Lo85]. **many** [CP88b, Tak86]. **many-body** [CP88b]. **Mapping** [SB87a, CY85, Flo85, Flo86, Ino83, Ino85, MOI81, MZ80, RL83]. **mappings** [FZ87, FZ88, O'B81]. **maps** [MZ83]. **marching** [PL86, Soh87]. **Markov** [Pes81]. **mask** [BS89b]. **Mass** [Fou84]. **massive** [MH89]. **Massively** [BP88]. **master** [PV83, AH88a]. **matching** [AH88b, Lo85, RS84]. **material** [Bel82, BaB86, Hal88, MC88a, WHW87]. **materials** [MMS86]. **mathematical** [Fog84, Lav88, Zab81]. **matrices** [Bog88, CW81, GPS88, GWZ85a, GWZ85b, NV89, Ret82, Tuc89b]. **Matrix** [vdV81, AOK81, CS81b, DVW87, DS89, Fuc89, GP89, Hut84, IMT+89, KSD81, KOTK88, Kos84, KHTR89, Lab87, NR85, OJJ88, Pap84, PG88b, Pes81, SMRS85, SHB82, YH88a, YH88b]. **maximally** [IR87]. **Maximum** [CH87]. **Maximum-length** [CH87]. **Maxwell** [CB89, CW85b, LM89b, LPS85, WCR+88]. **Maxwellian** [WL84]. **MCSCF** [BKH86]. **mean** [BB88]. **means** [GRP82, MMV81, Mil89b]. **measure** [GWZ85a]. **mechanical** [CKD87, MPPS84, SAR82, WC85a]. **mechanics** [Ano81j, BK85a, Kan84, PW85]. **mechanism** [BNS83]. **Media** [MK82, CB80, GK81, HHN+86, Mih85, MK86, PG88a, Rob89a, SW85, ST88]. **medicine** [DKWD89]. **medium** [EB81, PG87, SBBY83, She87, SV89]. **melt** [SLO87]. **membranes** [MPA88]. **memoriam** [Kil87, JDK86]. **Menger** [KD80]. **Mesh** [BO84, BC89, AF86, Aug84, AP85, BCE88, CW82, CFL86, DH82, Duk84b, Eis82a, EW88, EWR88, Fou84, Fre81, FOF88, GP85, Hag80, HD85, KM80, KOTK88, LW89, LJ81, Luc87, MC85, Per83, Wil81]. **mesh-one** [Aug84]. **meshes** [Duk84a, FS89, Hof82, Ram85b, Ram86, Sal86, SW88]. **metal** [Bas84]. **metallic** [LBR81]. **metals** [MV83a]. **Method** [CW84b, MHK86, Abe89, And85, And86, ABDV81, ADL87, Aug84, Baa81, Bai80, Bak81, BBG+87, BCE88, BGT83, BGMM89, BS83, BST86, BDS88, BCG89, Bel82, BaB86, BC87a, BE80, Ber85a, BB86a, Bin85, Bog88, Bon84, BJ81, BP87, BE85, BF82, BR86, BR81, BDR80, BS89b, BP80, Bue88, BG85b, Car80, CW85a, CM86, CW82, CJ86, CS82, CC84, CX86, CL86b, Che84, CL80, CLS89, Col81a, CBL81, Cur82, CR84, DS86b, Dar89, Dav83, DKD85, DKWD89, DF88, DJT80, DH82, DO86, DW81, Dic83, Dic88, Din86, Duk84b, Duk85, DCA89, Eas87, Eck89, Ehr81, EFCS88, ET88, FN80, FFS82, Fer80, FC84, FH81, Flo85, Flo86, Fog84, FP88b, FW81, FR87, FWHC86, FWCW86, GTD89, Gau88, GDM81, GGS82, GHK88, GS87a, Gla84b, GMM81, Got88]. **method** [GF86, GP81, Gre85a, GRA83, GG86, GC88, GX89, Hai87, HS88b, HH85, HK85a, HS86, HK86, HC81a, HPBY86, Her89, Hew80, HN82, HN81, HD85, HGS88, HMW86, HK81, HGM86, IBCS87, IA85, Ixa80, IR87, Ixa87, Jac89, JT86, Jon81, KR86, Kai83, KP83a, KF87, KK89, Kaw87, Kel83, Kel84, KKMP86, Ker80, KM85, Kli83, Kli87, KK88, KP86b, KOTK88, KK83, Kos84, Kre88, KH80, KHT87, KHTR89, LLVL89, LBR81, LP83, LM87b, Lar88, Law85, LW85, LW86, Lev82, Lim80, LO87, Löt82, LC88, Luc87, Mac86, Mac89, Mah82, MZH85, MM89, Man87, Mar87, MM81a, MP84, MP80a, McD80, McD89, MP89a, Mel86, Mez81, MT84b, MM85b, MD86, Moh84, Mon81, MG83, MML83, Mos85, Mru85, NM80, Nav87, NR85, ND89, O'R84, OK86, OI87]. **method** [Ohr81a, Ohr83, OG86, OS85, PSV89, Pat84, PM89, Pol87, PA89, PL86, Pro82, PJ83, Puo88, Qin88, RS85, Ram85a, RC81, Ram83, ROS85, Ret82, Rob85, RCK87, Rom89, Ros80, Ros89, RL89, SS81, SMRS85, SSM83, SH89, SBBY83, SH84a, SM84, SSSR83, Shi86, SB84a, SC82, SSG81, SP87b, Smi81, Spa85, Ste86, Ste87b, Sto84, SV89, Str80, SN88, SH84c, Ta'87, Tak81, Tak86, Tak85, TS81, TNY85, TY87a, TE86, Tan86, Ten82, Tha80, TGP80, TB89, Tob86, VBSS89, WP83, Wie83, Wig88, Wik89, Wil82, WC85a, WC85b, WVP82, WP88, WG86, YH88a, YNAS86, YRT80, Zeb84, Zer85, ZBP84, Lyt87]. **Methods** [BM89, MZ80, vdV81, ADG86, AH88a, ABW83, Alz84, Ano81j, Ano82i, AG80, BW88a, Bar87, BL88, BL85, BM85, BCT89, BK88a, BSSV88, BV82, Boy82, Boy85, Boy87b, BFT85, BGMT89, CQ85, CQ87, Cha88, CL81a, CHT84, Cla87, CL86c, CM80, Cul82, Cul89, Dav89, EB83, For84, FS86, FD82, FT84, Gar86, GS85a, GM82, Gol86b, Gre84a, GW80, Hal81, HH83, Hei88a, Hei88b, Hir89, HMR82, IHM81, ICP80, IM88, JWB88, Jon85, KE87, KP89b, KP89a, KPD81, Kra83, KH84, Kui88, LLPS85, LLL88, Leo80, Lev88, LWP89, LCC+86, MEGH85, MES80, Man85, MS83, MIK88, MK83, MD88, MO80, MA84, Mon89, Mor89, MP80b, MS87b, MV85, NR80b, NS89, Ors80, OF82, PP88a, Per85, Pes81, Pic86, PH88, Pul80, Rig87, Rob89b, Sal86, SSC81]. **methods** [Sch82, Sco85, SG88a, Sha81, SAR82, Smo82, ST89b, SW81, Ste81, SW84, SZH85, SSF83, TDhLcSb89, TAJ+81, Try89, Tur80, Tur87, Tut86, Var84, Wan83, ZWH82, ZWH84, Zeb87, ACM88]. **metric** [DJT80]. **Metropolis** [Gol86a, SG86]. **MHD** [AB81, AB84, BHM+83, CHH+86, CC87, CS81a, EH85, Eas87, GHC+86, GRS89, GDM83, GIT87, HG86, HMJ86, HH86, HT86, HW84, JR85, KJL86, LCC+86, Oli80, SKS82, WG86]. **microscopic** [EM80]. **Miller** [Ter81c]. **minimal** [CQ85]. **minimizing** [LW89]. **minimum** [Tem88b]. **minimum-add** [Tem88b]. **mirror** [ABS82, MS86, SBAM82]. **mixed** [AG81, Bue88, LM89b, Mac86, Man85, OA85, Tem83a, Tem83c]. **mixed-radix** [Tem83a, Tem83c]. **mixing** [Hos86]. **mixture** [MM85a]. **MO** [Tak81]. **mode** [HSA89, SB87b, TST+86]. **Model** [Mun81, BC87b, Ber85a, BPS85, CW80, CG89, Duk80, FP88a, Fog84, For83a, Gar83, GC89, Gla89, Gla84b, HPP+82, KD88, KO86, Kli87, LV86, Lee87, MH89, MS81, MRH83, Nav83, NB89, NMG86, O'R89, Ohr81b, SKS82, TL84, TS83, War86, Wit84]. **Modeling** [PM80, JPD86, Kli83, Pet87, VE87, ZMC83]. **modelling** [Cul89, Eas87, MS87b, RRS89]. **Models** [SW84, BH87a, CBG86, Cul83b, EM80, HRS80, HK81, KG85, Pla81, RH84, RH88a, Roe86, SBT86, SC81, TGP80, VM86]. **modes** [AA89, BS81, BK87, CD80, FFM82, HCH+81, WD84, WG86, Zeb87]. **Modification** [Kos84, IA85]. **modified** [BE85, BS89a, Dye84, EHD89, GTD89, GM85, HK81, LBO$^+$89, MS87a, MLB87, SBBY83, TA88, Wal84]. **modulational** [Slo88]. **modules** [Tem88b]. **moduli** [CX86]. **Molecular** [BP88, MW87, MHM81, Rap85, SMO85, And83, KD80, KK83, LBO$^+$89, Pri89, Rap80a, Son85, SH84c, TAJ$^+$81, Tox82, Tox83, WH87, WVP82]. **molecule** [CW85a, Mru87]. **molecules** [LBO$^+$89, RQ89, Son85, SH84c]. **moment** [Mas81, Mas83, WBF86, ML83b]. **Moment-theory** [ML83b]. **moments** [Gan85]. **momentum** [Dec84, DA86, HG88, MEGH85]. **monoenergetic** [Gan85]. **Monotonic** [Bor86, LB87]. **Monte** [Gol86a, Abe89, Ada88, BHS87, Bin85, Boo81, Boo82b, BF86, Bro89, CBG86, CDS83, DA86, Dun81, EFCS88, EB80, FC84, GRP82, HM80a, Har81, HP87, HPP$^+$82, HM80b, HSSC83, JR81, KKMP86, KL89, KT86, LM87b, Mez81, PRT83, Pes81, RH88b, RV88b, Sad84, SG86, VL84, Ves82, VR86, Wag87, Wag88, WC85a, WP88, WPW89, Yor86]. **motion** [CL86a, CKD87, Tha80]. **motions** [Lam81, RV88a]. **Moving** [BW88a, JWB88, MK82, AF86, BSSV88, CCCS81, Duk84b, Fou84, GDM81, Gla89, HMW86, MK86, MC88b, NY82, OI87, PG88a, Smi81, Smi88, VBSS89, WHW87]. **MP/24** [GKL$^+$87]. **Muller** [Dye84]. **Multi** [JR81, Riz88, Sco85, BS86a, CL84, HM80b, MO80, SC85, SJ88, TY87a, Tan89, Wag88]. **Multi-cell** [Riz88]. **multi-connected** [BS86a]. **multi-dimensional** [MO80, TY87a]. **multi-domain** [Tan89]. **Multi-grid** [Sco85, SJ88]. **multi-level** [SC85]. **multi-parameter** [CL84, HM80b]. **Multi-spin** [JR81]. **multi-step** [Wag88]. **multichannel** [Mel86]. **multicode** [NR84]. **multicomponent** [LW85, Rob89a]. **multidimensional** [BK88a, HW84, Kan81, KG87, MD81b, Roe86, Smo84, SC86, Wil80a]. **Multigrid** [CW89, Hei88b, Kor89, Mul85, Ta'87, Boe82, BDR80, BFT85, BGMT89, DH82, GGS82, GRA83, Hei88a, Hun86, J.82, Kor88, LBS88, Lon88, Mul89, Ohr83, OF82, Sch82, SC82, SZH85, TF89, Van86, Wes88, ZWH82, ZWH84]. **Multigroup** [GS82, WHW87, Wil80b, Cla87, GS83, HC87]. **multilevel** [MM89]. **multiminima** [Eck89]. **multiphase** [CDH81]. **Multiple** [CL86a, Ema81, Hal89, SW85, BDS88, GDM81, HL86, KTH88, MM88, NE82, SH84c]. **multiple-body** [KTH88]. **multiple-processor** [HL86]. **Multiple-water-bag** [CL86a]. **multiplicative** [HR84b]. **multiplicity** [Yam83]. **multiply** [WR86]. **multipole** [CM82, RN86]. **multiregion** [MS86]. **Multislab** [GS83]. **multistep** [Aiz85, Alz84, Hu89]. **Multitasking** [ZH88]. **multivariate** [Ter81a].

nacelle [Ros87]. **NaCl** [AH88a]. **Nanbu** [BS89a]. **national** [Ano87j]. **Natural** [CB84, CJW85, Phi84a, Ioa82, LA85]. **Navier** [AG81, Abd87a, AHP81, BDR82, BCG89, BGR80, BP87, Cha88, CC84, CPJ89, Cul83a, Cul83c, DH89, FF86, GGR82, GGR89, GGS82, GS89, Gup81, Hal81, HK86, HG84, KM85, KP86b, Kor89, KHT87, Li80, Lon88, Luc87, MZH85, MML83, Nat89, Ng81, Nor89, OK86, Rap80b, Ros83, RS80, SSSR83, Soh87, SG88b, SBSH84, SN88, Tak80, Tan89, TB82, TF89, Tre81, VM86, Van86]. **NBS** [Ano85w]. **Near**

[Bor86, CL86a, HL85, LB87, LR80a, McL80, PRV89, SS80]. **nearly** [Gol86b, HC81a, ROS85, TR86]. **nearly-implicit** [TR86]. **neglect** [BD83]. **Neighbor** [Bor86, LB87]. **Neoclassical** [LNS87]. **nerve** [CCCS81]. **Nesting** [Tem89]. **network** [AHP81]. **Neumann** [Abd87b, KP83a, Mer86, SB82]. **neutral** [AEG80, CDS85, GMT$^+$81, HC87, HPP$^+$82, HSA89, ONM83, Tam81, WPW89, ZC86]. **neutral-ion** [CDS85]. **neutral-particle** [HPP$^+$82]. **neutron** [CRS88, Gan85, GF86]. **Newton** [BL88, Boe82, Mel86, SSG81, Zer85]. **Newtonian** [BE80]. **no** [CW81]. **nodal** [HD85, Kaw87]. **node** [Got88, Mos85, ZOWZ88]. **noise** [CW85b]. **noisy** [Baa81, BB83, Nol85]. **Non** [vdV81, Abd87a, Abd87b, BE80, CFR84, Clo87, DFP81, DVW87, Duk85, Dye84, EG86, FRRT87, GP85, HEOC87, IGW86, KG89, Mac81, Mac89, Mez87, Mor81, MC85, ONM83, OC87, Pan89, PSV89, Per87, PC86, Ret82, Rob85, SC85, SO88, SO89, SMR89, SB84b]. **non-analytic** [Dye84]. **non-Boltzmann** [Mez87]. **non-circular** [ONM83]. **non-cubic** [Mac81]. **non-equidistant** [GP85]. **non-equilibrium** [Mac89]. **non-iterative** [Duk85, IGW86]. **non-Lagrangian** [Clo87]. **non-linear** [DFP81, EG86, Per87, PC86, SB84b]. **non-local** [OC87]. **non-LTE** [SC85]. **non-Newtonian** [BE80]. **non-oscillatory** [HEOC87, SO88, SO89]. **non-reflecting** [KG89]. **non-self-adjoint** [DVW87]. **non-separable** [PSV89]. **non-smooth** [Rob85]. **non-spherical** [FRRT87]. **non-staggered** [Abd87a, Abd87b]. **Non-symmetric** [vdV81, Ret82]. **non-uniform** [CFR84, Mor81, MC85, Pan89, SMR89]. **nonaxisymmetric** [HK85b, SKS82]. **Noncharacteristic** [Cou85]. **noncircular** [HG86]. **nonconforming** [Li89]. **nonconservation** [MM81b]. **Nonequilibrium** [LV89]. **Nonlinear** [Cha81, FFM82, LLL88, MM88, MHK86, Ohr81a, SK80, AH88b, AB84, BL85, BST85, BPS85, BB86b, BNS83, CW89, CL86b, CG89, DF88, DO86, FC84, GHC$^+$86, GM85, HMM85, HMW85, HCH$^+$81, HL84, IBCS87, KP83a, Kel84, LM87b, LA83, LBS88, Lon88, MMS86, Mej86, MZ82, MJ87, MNM85, OW85, Pat89, PC81a, RSR86, RL89, SSC81, SSC86, SM86, Ste87b, TA84c, TA84a, TA84b, TA88, TY87a, TY87b, TDhLcSb89, TM88, VSS86, Vat89, WP83, Wit84, Wol85, dFSS89]. **Nonlinear-multiple-function** [MM88]. **nonlinearly** [BM84, LO87]. **nonneutral** [HB87]. **Nonoscillatory** [Lav88]. **nonperiodic** [Tuc89a]. **Nonperturbative** [Pol87]. **nonphysical** [Str82]. **Nonpolynomial** [Pic83]. **nonrational** [Gre84b]. **nonrectangular** [HMR82]. **nonreflecting** [RS80]. **Nonrelativistic** [BKH86]. **nonself** [McD80]. **nonself-adjoint** [McD80]. **nonstaggered** [Got88]. **nonstationary** [BY85]. **nonsteady** [EB81]. **nonsymmetric** [HN82, RRS89]. **nonuniform** [Far80, Hof82, NTK80, NY82, Pro81b]. **nonvariational** [CC87, GRS89]. **nonzero** [BB80]. **normal** [Are81, BS81, FFM82, WG86]. **normalization** [Che84]. **Note** [Bra84, BD83, Tem83b, BB88, CSW85, Mon81, Pro81a]. **Notes** [Ano89t]. **NOVA** [CC87]. **nuclear** [QQM89]. **nucleation** [AH88a]. **Number** [Ten82, CM86, For85, GH87, HO80, KS81, KL89, KT86, PHD89, Pea83, PC86]. **Numbers** [Wik89, CJW85, CH87, Hos86, IT89]. **Numerical**

[Abd87a, Abd87b, AFLS83, ABW83, Ana89, Bai80, BBG80, Bel82, BY85, BPS85, CDP80, CCCS81, CHH+86, CL81a, CB80, CHT84, Cho82, Dru80, DH84, DP86, EB81, EM81, EB80, GHK88, Gla84b, Gus80b, HMM85, HW80, IT89, JH83, Jon85, KR84, Kru82, KPBRF83, KP83b, KPB87, LWP89, LR81, MH89, MS81, MM81b, MOFK88, MGS82, MPPS84, MT86b, Mor81, NE82, OC87, PND83, Phi84b, Pir80, QR89, RC81, RM87, RG88, Shi86, SE87, Sho83, Sho86, SBAM82, Shu84, Sid85, SAR82, Spi88a, Spi88b, Sto86, TMCS85, Try88, VE87, VC85, War86, WMS88, Wol81, WK89, YH88a, YNAS86, ACM88, AH88b, Ano81j, Ano82i, Are81, BCE88, Bas83, BL85, BGT85, BWY82, BST86, BKH86, BM80a, BGR80, BB80, BFH86, Bro80, But88, CW85b, CL81b, CL83]. **numerical** [CC84, CL84, CW80, CG89, CW84a, Cor82, Cul83b, Dav80a, DW81, Duk80, Fog84, FP88b, FB88, FFG87, GM81, GGR82, GGR89, GR84, GMM81, Gre84a, Grö83, GR82a, GR82b, GG86, Gup81, Gus82, Hag81, HRS80, HRT80, Hen87, HD85, HGM86, Hun86, Hun89, Hut84, IHM81, Ioa81a, Ioa81b, JRS86, KP83a, KF87, Kli83, KK88, Kum82, LL81, LBR81, LMM87, LM89a, Lim80, LA83, LV89, LR80b, MPA88, MEGH85, MS87a, MMS86, McL80, MOI81, MZ80, MS80, MJ81, MK80, MML83, Mun88, Mus81, Neu81, Neu83, NR80b, NMG86, O'R84, O'R89, OS85, Pan89, PSV89, Pea81, Per81c, PM80, Phi86, Pro81b, PJ83, Qin88, Ram83, RA87, Rob89a, Roe86, SMRS85, SJ88, SK83a, SGA81, Sha81, SKS82, SBT86, SOS89, Smi81, Smi88, Ste87a, SS82b, SV89]. **numerical** [SN88, TA84c, TA84a, TA84b, TA88, TDhLcSb89, TB89, TAJ+81, TWM82, TM88, TR86, Tre81, VSS86, Vic86, Wan83, WP83, WR84, WR86, WC84, YP88, Zer85, ZBP83, TA84a, TA84b, TA88, WOZ84]. **numerical-analytic** [BFH86]. **numerically** [ADL87]. **Numerov** [BG85b, Eck89, IR87, Ixa87, LW86, MES80, Nav83].

obstacle [HR84a, RH88b]. **obtained** [BHM+83]. **obtaining** [Kos84, NV89]. **OCCAM** [PHD89]. **Occur** [MvdV81, OJJ88]. **ocean** [BH87a, GC89, HRS80, LV86, MRH83]. **oceans** [BS81]. **October** [Ano81j]. **odd** [BR80b]. **odd-even** [BR80b]. **ODE** [BH87b, KK81, Sha84]. **off** [Wig88]. **oil** [BST86, Sco85]. **One** [CLS89, Rei81, Aug84, ADR84, BSSV88, BJ81, CG89, DO86, DH84, Fle83, Gol86b, GG88, Hag81, HH83, Hua81, KK88, Kos84, LLVL89, LLPS85, MH89, MS81, Pom83, SS84a, SBT86, SSG81, Tal80, VF80, VBSS89, Vin83, ZGB88, ZBG88]. **one-** [Fle83]. **One-dimensional** [CLS89, Rei81, BSSV88, BJ81, CG89, DH84, GG88, Hag81, HH83, Hua81, KK88, LLVL89, LLPS85, MS81, SS84a, SBT86, SSG81, Tal80, VF80, VBSS89, Vin83, ZGB88, ZBG88]. **one-pair** [MH89]. **one-parameter** [Pom83]. **one-way** [Gol86b]. **Onsager** [Vie83, Vie84]. **Onset** [HS88a]. **Open** [CO80, Fer88, HRS80, HMI83, KRW88, MRH83, Nat89, Nor89, Set84]. **operator** [BK85a, Coo86, Gla88b, GC88, HPBY86, Iss86, JRS86, Lev82, Vie83]. **operator-splitting** [Iss86]. **Operators** [Car89, DH89, LLPS85, Pol87, Pom83, Rap80b, SMRS85, SP87b, Ter81b].

optically [LMM87, LM89a]. **optics** [WWM+81]. **Optimal** [AG81, Bar80, BK88a, Neu83, Kaw87]. **optimisation** [Cat88]. **optimization** [AFLS83, Boy82, CLHP89, GPS88, HA89, ND89, VL84]. **optimized** [Lup87]. **Optimizing** [dFLR85]. **optimum** [Van84]. **Orbit** [CFT82, DGKW84, CBCF80, CF82, DWD83, KSD81, MV83a, ZC86]. **Orbit-averaged** [CFT82, CF82, ZC86]. **orbitals** [ACM88]. **orbits** [FDS81, Wil80b]. **Order** [Bor86, ASIO86, BM87a, BL88, BM85, BDS88, BCT89, BCG89, BAF84, CB89, Can81, Cul83a, Cul83c, DM85, ERDF83, GS83, Gar86, GW85, GM88, Gup84, HH88, HTE81, HEOC87, HC81b, IM88, JY83, KJM80, Kui88, LW86, Lup87, MS83, MIK88, MG89, MA84, MD81b, Moh84, MP80b, NY83, O'B80, OF82, Pat86, Ram86, Rob89a, Ste84, TAJ+81, TB86, Tur80, Vie83, War86, YRT80, Zal81, ZBP83]. **ordered** [AG80]. **orders** [Wal84]. **ordinary** [DQ83, HK84, KH87, NR85, Spi88a]. **ordinate** [SB84a]. **ordinates** [Ber85a, MD80]. **origin** [MFC+85]. **ORMEC** [HH86]. **Ornstein** [HA85]. **Orr** [Dru80, MM81c, NR80b]. **Orthogonal** [Boy87a, Pet87, RL83, ADL87, BS81, CFR84, CY85, Dav81, HC81a, HP87, MS80, Per83, RM87, Spa85, TB89]. **orthogonalization** [Tob86]. **orthonormalization** [Dav83, Mey86]. **oscillating** [Ana89, CFG83]. **oscillations** [BM87b, BG84]. **oscillator** [Boo82a, SN83, VV82, VJ89]. **oscillatory** [BM87a, Dav89, FP82, GK81, HEOC87, MT84a, SO88, SO89]. **other** [CM80, GWZ85a]. **outer** [Jon81]. **outflow** [Hag87, RS80]. **overcoming** [Kli87]. **overdetermined** [SH89]. **Overlap** [PW85]. **overlapping** [MT84b, MT86b]. **overrelaxation** [Dic83].

Padé [Adh81a, Hau82]. **pair** [Lam81, MH89, Phi84b]. **pairing** [WC85a]. **Pairwise** [BP88]. **papers** [Ano87j, Ano89a, Ano89b]. **Parabolic** [CW84b, ADG86, BB86a, DO86, Hun89, Li80, MMV81, MIK88, MK83, MLB87, SGA81, She88, Spi88b, Wan83]. **parabolized** [BDR82, CM89]. **Parallel** [BP88, KL89, Ano85w, Hal89, HMS89, KHTR89, Lub88]. **parameter** [BM84, CL84, EG83, HH88, HM80b, LO87, Pom83, Roe81]. **parameters** [Bar80, LPS80, SBBY83, Ves82]. **Parametric** [AA89, SH84a]. **Parasitic** [MS87a]. **Paris** [Ano81j]. **Parker** [Mel88]. **Parker-type** [Mel88]. **part** [ZBP84, KH80, KGH80]. **Partial** [BO84, GL85, AF86, BSSV88, Boo81, Boo82b, Cat88, CL84, CFL86, Dyk87, GDM81, Gre84b, Hai87, IMT+89, KPD81, RC81, RA85, RA87, Rig87, SSM83, SM84, Spi88b, TWM82, VBSS89, WP83, Wol85, ZBP83]. **partially** [Pri89, RS84]. **Particle** [HA89, Law89, ASIO86, ASL82, AP88, BKLT83, BST85, BR86, Bra88, BLT+81, BBGN80, CBCF80, CFT82, CF82, CLF84, CLHP89, CBG86, Den81, Duk80, GM82, GMT+81, GR87, HPP+82, Her89, Hor87b, HSA89, JL86, KO86, KPBRF83, KP83b, LL81, Lam81, LCF83, Law88, Lee87, LD89, LM86, Mas81, MD80, Mez81, Mon81, MG83, Mon89, NTK80, NDP88, NY82, NY83, NOY85, SS89, SB87b, TLD80, TNY85, TY87a, Tan88, WHW87, Wil81]. **particle-fluid** [Duk80]. **particle-in-cell**

[BR86, Bra88, CBG86, Hor87b, HSA89, LD89]. **particle-mesh** [Wil81]. **Particles** [BP88, DP86, FP88b, KT86, WPW89, YP88]. **past** [CL86c, For85, HR84a, IT89, RH88b, Whi87]. **patched** [Rai86b]. **patched-grid** [Rai86b]. **path** [Mej86]. **path-follower** [Mej86]. **pattern** [Smi81]. **PDE** [vdV81]. **PDE-Problems** [vdV81]. **PDEs** [Cha86]. **PDF** [HP87]. **penetrating** [WPW89]. **penetration** [Mon89]. **percolation** [HCM89]. **perfect** [ADK82, GG88]. **Performance** [CLHP89, MM85a, HMS89, KE87, NB89]. **Period** [VJ89, Aki84, BM87b, KH87]. **period-doubling** [KH87]. **Periodic** [PH88, Pom83, BP87, BFT85, Flo86, HK84, JRS86, KP85, KP86a, Kra86, NMG86, RS85, SM84]. **permanent** [CM82]. **perturbation** [BD82, Bra84, Bra86, KR86]. **perturbational** [SS88a]. **perturbative** [ICP80, Ixa80]. **perturbed** [Mez81]. **petroleum** [LS87]. **Petrov** [DO86, GF86, SSC81]. **Phase** [PG87, Ada88, BST86, Bin85, CB84, CL80, EB81, GMM81, LS87, Löt82, Lup87, Lyn82, LS85, PT86, Paj89, RH84, RH88a, Rob89a, SW84, TR86, YH88b]. **Phase-change** [PG87]. **phases** [BJ81]. **phenomena** [Har82]. **photon** [WL84]. **photon-Maxwellian** [WL84]. **Physical** [Per81c]. **PIC** [CDH81, Mar87, Mas83]. **PIC-hybrid** [Mas83]. **piecewise** [FR87, GL85, CW84b]. **pinch** [Gla89]. **pipe** [Bra86]. **pipelines** [HK83]. **pivots** [Ker80]. **place** [Tem85, Tem88c]. **placement** [ZOWZ88]. **planar** [SLO87]. **Planck** [AH88a, AOK81, BKP87, FWB$^+$81, Her89, LLPS85, MS86, MD80, Wie83]. **plane** [CDP80, Dav89, IHM81, KL80]. **planning** [LPS85]. **Plasma** [BM80a, MHK86, NMG81, RL84, ASL82, AHH87, BF82, BD83, CL86a, CLF82, CDS83, EH85, EM80, Gla84a, Har82, Hew80, HL87, Jar81, Kli83, Kli87, Kre88, LLL88, Law88, Law89, LBM87, LD89, MSD87, Mas87, MM85b, MFW88, Mus81, NTK80, RRS89, RL89, SS84a, SBAM82, SA81, TL81, TS83, WBF86, Whe81, WMM86, Wil80b, YRT80]. **plasmas** [AEG80, BKLT83, Bir86, CC87, GDS88, HC87, HPP$^+$82, HB87, KJM80, KPBRF83, LCF83, Mas81, Mas83, MS86, MFW89, Mor82, NDAL88, NB89, ONM83, Per81a, Rob89b, Tam81, Tan88, Wei85, Wie83, ZGB88, ZBG88]. **platelet** [Fog84]. **point** [AG80, Ber88, Gar86, GS87b, GM88, HTE81, Jac89, MG89, Mil89a, PRV89, QR89, SS88a, Ske81, ST88, TL81, WBL86, vDR89]. **point-source** [SS88a]. **pointed** [DS86c]. **points** [BK88a, EG83, Hai85, KOTK88, KH87, LR81, MD86, PA86, WBL86]. **Pointwise** [BER85b]. **Poiseuille** [BD82, Bra84, Bra86, JR85]. **Poisson** [Abd87b, BB84a, BE85, Cha86, Far80, Gup84, KE87, KJM80, KW85, MD81b, MT86b, Ohr83, Pat86, Pic86, PH88, RL89, SB82, SS88b, Ske81, Tan85, Tem80, WMM86, WK89, vDR89]. **polar** [IM88]. **pollutants** [RMS85, ZBP84]. **Polyatomic** [ACM88]. **polygon** [Mil89a]. **polyhedra** [Med86]. **polylogarithm** [Cla87]. **polylogarithm-based** [Cla87]. **polymer** [SHB82]. **Polynomial** [Boy86, Boy82, DR85, PG88b, RN86, Sca87]. **polynomials** [GM81, Hit80, LA85, Mav89, Tan85]. **porous** [CB80, GK81, JH83, Löt82, PG88a, Rob89a, She87]. **positional** [JPD86].

positive [SP87b, Smo84, SC86]. **posteriori** [KMRM88]. **Potential** [Bak81, Whi87, ABS82, Boe82, CH84, DH82, FMC83, FR87, Gre85b, Gre88, HG88, IHM81, KH80, KGH80, MES80, MGM86, Mru85, Mru87, PJ83, Rok85, SH89, SC82, SZH85, Tut86, Ves82, WR84, WR86]. **potential-vorticity** [Tut86]. **potentials** [BG85a, BG85b, Eck89, Ixa87, Kra83]. **PPM** [CW84b]. **Practical** [FS86, MvdV81, AHH87, SB88, SG86, Tur80]. **practice** [RE87]. **pre** [OA85]. **pre-mixed** [OA85]. **precise** [Eis82a, Eis82b]. **precision** [LV86]. **Preconditioned** [CQ85, Tur87, AG80, BDJS86, MM85b]. **preconditioning** [DD89, DM85, Mor89]. **predictability** [Vie88]. **predicting** [GP81]. **prediction** [CH84, Cul83b, SOS89, Ste87a]. **Predictions** [FF86, Ano80z]. **predictor** [TS81]. **predictor-corrector** [TS81]. **Preface** [CGH84]. **premixed** [GS87b, Smo82]. **preprogrammed** [HPL80]. **prescription** [ML87]. **presence** [FP88b, Pro81a, Ros87]. **preservation** [Kan84]. **preserving** [Sho83, YRT80]. **Pressure** [ROS85, Abd87b, BCE88, GL85, QN86, RS81, RH84, RH88a, RWC89]. **pressurized** [Sch80b]. **prime** [Tem83b, Tem85, Tem88c, Tem89]. **primitive** [Abd87a, GC89, HK86, Ste87a, Van86]. **Princeton** [LJ85]. **principal** [Sid85]. **Principles** [BBGN80]. **printing** [SBT86]. **probabilities** [LP83]. **probability** [ST88]. **Problem** [BaB86, ADKM82, BR80b, Bel82, Ba89, BP80, CB84, CS82, CQ89, CW86, CG85, CS81b, DKD85, DKWD89, DJT80, DVW87, DW81, GDS88, GP89, GP80, Gup81, Hag87, Hau82, Kal84, KP83a, Ker80, Kli87, KH84, LLVL89, Law87, LA83, Lon88, MPPS84, Mel86, Mer86, Mon89, Nav87, NR80b, NE82, Rap80a, Rob85, SB82, She88, Sid85, Smi81, Spi88b, SL85, Str82, Uch83, VC85, Wol81]. **Problems** [Cou85, MvdV81, vdV81, AM82, Asc80, BW88a, BGMM89, BK85a, BJ81, BB84b, BS82, BFT85, BM84, Bro80, BJ84, CL83, CL84, CL86b, Coo86, CFH$^+$82, Cul82, Dav80a, Dav83, DO86, DQS87, DD87, DH84, EG83, EJL87, EB83, ET88, Eyr84, Fer88, For89, Fuc89, FF86, Gar86, GKL$^+$87, GS88, GG86, Hag80, Hag81, HRS80, HH88, HM82, HK83, Hei88b, HN82, HMR82, HD85, Hua81, Hun86, Hun89, IHM81, Jac89, JWB88, KR84, KR86, Kan81, Kel83, Ker89, KS87, KTH88, KK86, KH80, KGH80, LMM87, Lar88, LM89a, Li89, LO87, Lyn82, MP84, MO80, Mey86, MV83b, Mor89, Mru85, Mul89, MD85, O'B81, OS83a, Ors80, PG88b, Pea81, Phi86, QR89, RA81, RD83, RSR86, SSC86, SC85, Sch82, SH89, SB88, Shi81, SB84a, Shy85]. **problems** [SAR82, SMR89, Ste84, Str80, Tut86, VTB89, Wes88, WBL86, WR84, WR86, YH88a, Zeb84, Zeb87]. **procedure** [Che84, FC84, HBR82, Li80, MM88, MT81, MV83b, MB80, Pap84, Shi81, Smi88]. **procedures** [HM82, HM80b]. **process** [Dyk87, HR84b]. **processes** [BY85, BGM87a, Chr88, ERDF83]. **processing** [Din86, KL89]. **processor** [CFH$^+$82, HMS89, HL86, HSSC83, PRT83]. **product** [GS85b, RH87, TM88, Wil80b]. **production** [Dav81]. **products** [Osg81]. **profile** [OA85]. **Program** [KKMP86, dFLR85]. **programming** [HL86, Lav88, Ng81]. **programs** [KTT89]. **progress** [Bin85, Cul83b]. **progressive** [BB88]. **projection** [BCG89, CLS89, Dun85, FD82]. **projector**

[EFCS88]. **propagating** [OS88]. **Propagation** [BH87a, GT85, BBM88, Chi88, Cho80, EB81, Gol86b, IMT+89, KK86, Lev88, Lon80, SL85, Wei85]. **propagative** [PG87]. **propagator** [AH88a]. **propagators** [CKR87]. **properties** [AB81, Eis82a, Gol86a, GRS89, HG86, LB87, LS87, ML83a, O'R89, Rob89b, SS82a, ST89b, WC85b]. **property** [Kan84]. **proposed** [HG86]. **prospects** [Cul83b]. **prosthetic** [PM80]. **protium** [NR84]. **protonosphere** [YRT80]. **Prüfer** [PT86, Paj89]. **PSEC** [LJ85]. **Pseudo** [Car80, Hal89, Hua81, MTM81, Pat89, BGMM89, Dav80b, Hos86, ND89, Pea83, SP87a, SH84a, TNY85, TY87a, Wik89]. **pseudo-current** [ND89]. **pseudo-particle** [TNY85]. **Pseudo-random** [Hal89, Hos86, Wik89]. **Pseudo-spectral** [MTM81, Pat89, BGMM89, SH84a]. **Pseudo-unsteady** [Hua81]. **pseudo-upstream** [Dav80b]. **pseudocompressibility** [RCK87]. **pseudodifferential** [Bog88]. **pseudoperiodic** [RS85]. **pseudopotentials** [MD81a]. **Pseudospectral** [HK83, BK88a, Cor82, DD89, DM85, GC88, HLAD84, HK86, HPBY86, Jac89, KHT87, KHTR89, Mac86, McD89, NS89, SBC84, ST89b, TE86]. **pseudospectral/finite** [Mac86]. **pulse** [SKA86]. **purpose** [HHN+86, HSSC83].

Q2R [ZH88]. **QCD** [BGM87a, dFLR85]. **QN3D** [HSA89]. **Quadratic** [VR86, Cul82, HR86]. **Quadrature** [FZ88, CS84, EHM81, Hut84, Ioa81b, Lup87, Shi81]. **quadrilateral** [Duk84a]. **quantal** [MES80]. **quantum** [BK85a, Cep83, CKD87, EW88, GRP82, MPPS84, Pol87, SAR82, WC85a]. **quantum-mechanical** [SAR82]. **quark** [ADKM82, CKR87]. **quark-antiquark** [ADKM82]. **Quasi** [KKMP86, MHK86, Per83, GIT87, GM88, HSA89, KP85, KP86a, MG89, Oli80, SP87a, ZC86]. **Quasi-Analytical** [MHK86]. **quasi-equilibrium** [Oli80]. **quasi-fractional** [GM88, MG89]. **Quasi-heatbath** [KKMP86]. **quasi-inverse** [GIT87]. **Quasi-Lagrangian** [Per83]. **quasi-neutral** [HSA89, ZC86]. **quasi-periodic** [KP85, KP86a]. **quasigeostrophic** [MRH83]. **Quasineutral** [Har82]. **quaternion** [Ves82]. **quaternions** [Rap85]. **quench** [DW81]. **quenched** [KKMP86]. **Quiet** [Sel83, Law88]. **quotients** [IA88].

Racah [KTT89]. **radiation** [AH88b, ADR84, Cla87, EM81, FC84, IO81, KL80, Mih85, MK86, VTB89]. **radiational** [KRW88]. **radiative** [Bon84, GS87a, LM87b, Lar88, MK82, Per81b, SC85]. **radioisotope** [Bas84]. **radix** [Tem83a, Tem83c]. **Random** [Cha88, CHS88, GWZ85b, Ber83, CM86, Cep83, CH87, ERDF83, FC84, GS85a, GS87a, Got88, GWZ85a, Hai85, Hal89, Hos86, KS81, KL89, MM81a, MP84, OG86, PHD89, Pea83, Rob85, SP87a, SS89, Sum89, Tak86, Wik89]. **random-particle** [SS89]. **Random-vortex** [CHS88]. **range** [BG85a, Mac81, PP88b, ZBP84]. **Rapid** [Rok85, Rok89, Bir86]. **rapidly**

[RS84, SP87b, WK89]. **Rarefied** [Abe89]. **Rarnshaw** [Kan83]. **rate** [ADG86, CDS85]. **rates** [Bir86, GMT+81, PV83]. **ratio** [GRP82, GH87, Wil82]. **Rational** [BPD81, Boy87a, Boy87b, Chr88, YH88b]. **Rattle** [And83]. **Rayleigh** [Bue88, CB84, CJW85, Grö83, Ker88, MZ83, Try88, Zuf89]. **Raymond** [JDK86]. **rays** [Sto84]. **Re** [GGS82]. **reacting** [CB80, GP81, KK81, MGS82]. **reaction** [BGMM89, BB86a, CDS83, MC88b, PV83, RSR86]. **reaction-diffusion** [BB86a, RSR86]. **reactions** [JH83, Mac89, SK86, Yam83]. **reactive** [Ba89, EB81, Mru87, Tak86]. **reactor** [NR84, Sch80b]. **real** [CG85, Gla88a, Gla88b, Kos84, LvLS89, Mül88, NV89, Ret82, Tem83a, Tem88c]. **real-symmetric** [Kos84, NV89]. **real/half** [Tem88c]. **real/half-complex** [Tem88c]. **recirculating** [GC87, IGW86]. **recirculation** [BR81]. **recombination** [LP83]. **reconnection** [Dri88b]. **Reconstruction** [Gan85]. **rectangles** [SB82]. **rectangular** [CH84, CHS88, Kum82, SB87a]. **rectangularly** [Pat86]. **Recurrence** [Mar81]. **Recursive** [CW85a, CP88b, FWHC86]. **red** [AG80]. **red-black** [AG80]. **Redesign** [Ros87]. **reduce** [ACM88]. **reduced** [FWB+81, GC89, KR89]. **reducing** [BST86, HH88]. **reduction** [GRP82, HGM86]. **reductions** [Ske81]. **reference** [Ves82]. **Refinement** [BO84, BC89, SJ88, SOS89]. **reflecting** [KG89]. **reflection** [Vic86]. **regimes** [HW81, LMM87, LM89a]. **region** [CL80]. **Regional** [Boo82b]. **regions** [LG80, Man86, Mer86, Vie84, WR86]. **register** [KS81]. **regula** [FR87]. **regular** [MD86, Pic86]. **Regularization** [ZO83, LS87, Mer80]. **reinforced** [Bel82]. **related** [MW84, Shi81]. **relation** [CM89, MB80]. **relations** [Mar81, WPW89]. **Relationship** [Hof82]. **Relativistic** [MT86a, ADKM82, EM80, HL84, JHLS89, Man85, Man87, MS86, MT84a, Pir80, Pol87, Wei85]. **relaxation** [BM87b, BV82, Cha86, Eas87, Hei88a, Mul85, OF82, Rai86b, RL84]. **reliability** [HCH85, Tre81]. **remapping** [Duk84a]. **remark** [Ioa81b]. **remarks** [RD83]. **remeshing** [PVMZ87]. **remote** [CL81b, OW85]. **Removal** [GP89, Zeb87]. **renormalization** [Bar80, BGMT89]. **renormalized** [LW86]. **reorthogonalization** [CW81]. **Reply** [Kan83, RD83]. **represent** [Gre84b]. **representation** [ABS82, CB89, KM80, SB87a, Vat87, Wil80b]. **representations** [AHH87, Col81b, Dyk87]. **requirements** [Grö83]. **reservoir** [BST86, BDJS86, FS86, LS87, SJ88, Sco85]. **residual** [CQ85]. **residue** [CW85a, FWHC86]. **Resistive** [MFW89, HCH+81, HT86, KJL86, Sto86, TS83]. **Resolution** [LLVL89, GMM80, Grö83, Har83a, Har89, Lev88, Mun88, Vie88, WW89]. **resolving** [Nol85]. **resonance** [BL85]. **resonances** [CH88, MFC+85]. **response** [KH80, KGH80, MB80, OJJ88, Pla81, SS88a]. **restrain** [GC88, HPBY86]. **restricted** [QQM89]. **restrictions** [ZBP83]. **resultant** [KW86]. **results** [Aug84, BHM+83, ST88, WOZ84]. **retrieval** [OW85]. **Reversal** [DGKW84, Alz84]. **reversed** [AB81, FSD81, HSA89, SBAM82]. **Review** [BH87b, Bin85, TWM82]. **revisited** [Hau81, RH88a]. **Reynolds**

[CPJ89, For85, GH87, HO80, IT89, Ten82]. **Reynolds-averaged** [CPJ89]. **rezoning** [Duk84a, Per83, Ram85b, Ram86]. **rf** [BCE88]. **Richardson** [Hen81]. **Riemann** [BaB86, Ba89, CG85, Duk85, Gla88a, Gla88b, GG88, Roe81]. **rigid** [LBO+89, Son85]. **ring** [FDS81]. **ringing** [Bra88]. **rings** [FSD81]. **ripple** [BHS87]. **RLW** [GC88]. **Roberts** [Kil87]. **Roe** [Lyt87, SB84b]. **Roe/Lytton** [Lyt87]. **roll** [Kra86, Try89]. **roll-up** [Kra86, Try89]. **root** [Pol87]. **rotated** [Tem88b]. **Rotating** [WOZ84, CO80, Har80, IT89, Lon88, Mac86, MSK80, RS84]. **rotation** [Kob85]. **rotational** [BS81, Hor87a]. **rotationally** [Dav84]. **routine** [Dye84]. **routines** [Hor87b]. **RSF** [EH85, HCH85]. **rules** [Afa89, FZ88, Ioa81b]. **Runge** [CLS89, Wil80c].

S [KGH80]. **saddle** [LR81]. **sampling** [Mez87, Nor80, WP88]. **SARLAC** [JHLS89]. **Satisfy** [Car89]. **saturated** [GK81]. **saturation** [BM80a]. **scalable** [KS89]. **scalar** [BDS88, GR84, McD89, SB84b, WG86]. **scale** [HS86, Ker89, Pea83, Riz88]. **scales** [Gus80b]. **Scaling** [KK89, ROS85, Str82]. **Scattering** [SKA86, AEBS86, Ale86, AP88, ADK82, BL88, CL80, DH84, Eyr84, EW88, GS82, GS83, HG88, LLVL89, ML83a, ML83b, MT86a, Mel86, Mru85, Mru87, Paj89, Rok89, SW85, TAJ+81, Tob86, WMS88, WPW89, YH88b]. **SCF** [ACM88]. **scheduling** [Rap80a]. **scheme** [AA89, ADR84, BAF84, BS89a, BW88b, BF86, Bro85, Cat88, Cor82, CFG83, Dav80b, Dav84, Dri88b, GW85, GP85, HTE81, Hen87, HKA89, HW84, Hu89, Hut84, IGW86, KW86, Lam81, LC89, LG85, Lup87, MZ82, MD81b, MJ87, MP89b, NV89, NN89, Neu81, NY83, Ohr81b, Per87, RA85, RA87, SS82a, She86, SH84b, Skö82, SS85, SB84b, Ta'87, TR86, Vij86, WW89, WL84, ZMC83]. **schemes** [AM82, AG80, BKP87, BPS85, BM80b, CSW85, Cat88, CM89, CKD87, CQ89, Chr85, Cul83a, Cul83c, FS89, GHC+86, Gar78, GGR89, GR82a, Gus80a, HTE81, Har83a, HEOC87, Har89, Hen81, Hua81, MD85, Mun88, Oey82, OC83, OF82, Pic83, RD83, Roe81, Ros83, SO88, SO89, SM86, SS84b, Ste87a, Wil80c, YWH85, Yee87, dFSS89]. **Schmidt** [Tob86]. **Schrödinger** [BK85b, BGM87b, CW89, DF88, DFP81, Eck89, FFS82, FR87, GRA83, GR82a, GR82b, HMM85, HMW85, IBCS87, ICP80, Ixa80, IR87, KK88, KK83, LW89, OS85, OC87, Pat89, Per87, TA84a, Tal80, TC87, TM88]. **Schwarz** [FZ87, FZ88]. **Schwinger** [MH89]. **science** [McN87]. **Second** [NY83, BCG89, BAF84, DM85, LW86, Man86, Moh84, Ram86, TAJ+81, War86, YRT80]. **Second-order** [NY83, BCG89, BAF84, DM85, LW86, Moh84, Ram86, TAJ+81, War86]. **secondary** [CA85b, GS88]. **section** [AP88]. **sections** [HPL80, ML83a, ML83b, WL84]. **Secular** [DGKW84]. **segmentation** [BSS82b]. **seismic** [SGT88]. **seismology** [Aki84, CHT84]. **Selected** [RE87, For84]. **selection** [GWZ85a, GWZ85b, Mez81, Sha84]. **selective** [Nav83]. **Self** [HH83, Jar81, MHK86, Mez87, Tem83c, Bai80, BM80a, But88, Col81a, DVW87, Fer80, HK85b, LBR81, Per81a, SP87b, Tem85, Tem88c]. **self-adjoint** [SP87b]. **Self-Confined** [MHK86]. **Self-consistent** [Jar81, Mez87, Col81a, Fer80, HK85b, Per81a]. **self-diffusion** [Bai80]. **self-heating** [BM80a]. **self-induction** [But88]. **Self-sorting** [Tem83c, Tem85, Tem88c]. **self-supporting** [LBR81]. **Semi** [HK85a, HS86, KR89, SBM$^+$87, Boy87a, BDR80, HM89, HBR82, Ioa81b, KJL86, KL80, PSV89, She86]. **semi-closed** [Ioa81b]. **semi-direct** [PSV89]. **semi-discretization** [KJL86]. **semi-empirical** [HBR82]. **Semi-implicit** [HK85a, HS86, KR89, SBM$^+$87, BDR80, HM89, She86]. **semi-infinite** [Boy87a, KL80]. **semiconductor** [KG87, MV83a]. **semiconductors** [MEGH85, MV83a, NDP88, Yor86]. **sensing** [CL81b, OW85]. **Sensitivity** [RSR86, BER85b, PC81a]. **separable** [BFH86, Eyr84, PSV89, SP87b]. **separated** [EB81]. **Separating** [SS80, vDS80]. **separation** [DS86c, Ing84]. **sequence** [Hal89, KS81]. **sequences** [CH87, SP87a, Wik89]. **series** [ANAN84, Boy84, Boy86, Col81b, HRT80, Mat86, Mor84, Pie84, VV82]. **series-expansion** [Mat86]. **set** [BB86b, CM82, Tem88b]. **Sets** [MvdV81]. **Several** [CS81b, Kos84, Ret82]. **shake** [And83, LBO$^+$89]. **shallow** [Aug84, FN80, For83b, For84, For86, Gil81, Hen81, MM81a, MM81b, Nav83, NN89, Sho86]. **shallow-water** [FN80, Hen81, Nav83, NN89]. **Shape** [Smi81, DP86, Sho83, SS80, WCR$^+$88]. **shaped** [MT86b, NB89, Sch88]. **shapes** [Kam81]. **Shaw** [AH85, Mey81]. **shear** [CX86, GHK88, MM81c]. **sheared** [Sco88]. **sheet** [KS87, Kra86, Try89]. **shell** [Mac86, Tak81]. **Shift** [MFC$^+$85, CL80, KS81]. **shift-register** [KS81]. **shifted** [Hit80]. **shifts** [YH88b]. **ship** [MSB87, Ohr81b]. **ships** [MNM85]. **Shock** [BC89, MG83, BR80b, BSS82a, GM85, KM80, MP84, MOFK88, MS87b, MP89b, OG86, SO88, SO89, SSG81]. **shock-capturing** [SO88, SO89]. **shock-like** [KM80]. **shocks** [Cor82, HL85, Noh87, Ros80, WC84]. **shooting** [NR80b, NE82, Pru88]. **Short** [Aki84, BG85a]. **Sielecki** [Hen81]. **signal** [LPS80]. **signals** [RS85]. **Similarity** [WPW89, HW81]. **SIMM1** [JL86]. **Simple** [DD87, WH87, BSSV88, Kai83, LP83, Pap84, QQM89, SSC86, Tak81]. **Simplified** [Ram86, Duk84b]. **simulate** [YRT80]. **simulated** [VL84]. **simulating** [Kre88, KT86, Lam81]. **Simulation** [Ale86, CBL81, Fer87, Ker88, Try89, ASIO86, Abe89, ASL82, AD87, BKLT83, Bas83, BHS87, BST86, BDJS86, BY85, BS89a, BF82, BD83, CL86a, Cep83, CHS88, CLF82, CLF84, CLHP89, CD80, CDS83, EH85, ERDF83, EB80, FS86, FFG87, GS85a, GC87, GHK88, GRP82, Grö83, Har81, Har82, HK85a, Hew80, HL87, HB87, HSSC83, Hor87a, HCM89, JH83, Keu86, KO86, KJM80, KL89, KP83b, LCF83, Law85, Law89, Lee87, Leo80, LBM87, LD89, LG80, Lyn82, LS85, MSD87, Mas81, Mas83, Mas87, MOFK88, MNM85, Miy86, MG83, MD85, MTM81, NTK80, PG87, PRT83, Pul80, Rap80a, Rap85, RH88b, RWC89, RMS85, Sad84, SJ88, SBC84, Sco85, Sco88, SB88, SBAM82, ST88, SS89, Son85, Spi88a, SLO87, Sum89, Tan88, WBF86, WC84, Yor86, ZGB88, ZBG88]. **simulation** [dFLR85, CCCS81, Ota88]. **Simulations**

[Tha80, BM89, BBGN80, CW84b, Dec84, Den81, FS89, Gla84b, Gol86a, GRP82, GR87, JR81, KS89, LBO+89, Law88, LG81, Lub88, NMG81, NDP88, Sel83, SG86, SA81, SH84c, TLD80, TL81, Try88, Vij86, WP88, WPW89, YP88]. **Simultaneous** [Bir86, Can81, KGH80, BB86b, CX86, EG86, MM88, SPG89]. **simultaneously** [Kos84]. **Sinc** [EJL87, Boy86]. **SING** [KH80, KGH80]. **Single** [MS83, Ste84, Ale86, HR84b]. **single-stage** [HR84b]. **singular** [BS82, BG85b, CDP80, FZ88, Fre83a, Fre83b, Gar86, Ioa81a, Ioa81b, Ioa82, Ixa87, KR84, KR86, KK89, Kel83, MD86, OS83a, PG88b, Pro82, Spi88b, Wan83, WBL86]. **Singularities** [EM82, Boy86, Kel84, LR80a, Phi86, SSF83, Wig88]. **singularity** [Boy85, KH80, KP83b, OF82, vDS80]. **sinusoidal** [LPS80, Whi87]. **site** [Hai85]. **site-to-site** [Hai85]. **sixth** [Vie83]. **size** [HS88b, Kai83, iKI85]. **sized** [NY82]. **sizes** [ICP80]. **Skan** [SH84a, Sum89]. **slender** [Ros89]. **slight** [And85]. **Slip** [SS80]. **slow** [Kel83]. **slowing** [HM80a]. **slowly** [LR80b]. **small** [GR84, Smo84, Tem88b]. **small-** [Tem88b]. **smooth** [GG86, Rob85]. **Smoothing** [CLF84, CP88a, Baa81]. **software** [GS88]. **solenoid** [DG88]. **solenoidal** [Ram83]. **solenoids** [NM80]. **solid** [BM87b, BJ84, JH83, Lon80, MK80, Phi84b, SK86]. **solid-fluid** [JH83]. **solid-solid** [SK86]. **solidification** [CB84, Cho85, EB83, Smi81, Str89, SLO87]. **solitons** [MS87a]. **Solution** [AH88a, AOK81, BB84a, BST85, CD82, Cha86, DKD85, DKWD89, Far80, FFS82, HA85, Iss86, Kel84, Lon88, Lyt87, MK82, Ng81, OJJ88, SH89, SHK88, Smo82, SB87b, Vie84, vdV81, AI80, Adh81a, Adh81b, AEBS86, Alv89, AHP81, Ana89, Are81, BDR82, BL85, Ber85a, Bir86, BK85b, BST80, Boo81, Boo82b, BB80, BS84, Bro80, Bro85, CDP80, Car80, CCCS81, CW85b, CS84, CG85, CFH+82, Cul82, Dav80a, DD89, DQ83, DM85, DQS87, Dru80, DP86, EB81, EHM81, For83b, FWB+81, GGR89, GKL+87, GRA83, Gus80b, HK86, Hen87, Hir89, HG84, HD85, HR86, Hun86, Hun89, IHM81, Ioa81a, Ioa81b, Ixa80, Jon81, KR84, KF87, Kel83, KPD81, KP86b, KK83, KG87, KH84, KHT87, KHTR89, KSM82, KW85, Lab87, Lav88, Lim80, LA83, LJ81, LBS88]. **solution** [Luc87, LPS85, MH89, MS81, MK83, MS87a, MMS86, McL80, MGS82, MD80, MPPS84, MT81, MT86b, MSB87, Moh84, MK80, MM81c, Mor81, Mru87, MD85, Mus81, NR80b, NE82, NS89, OA85, OC87, PSV89, Pat89, PND83, Pea81, Phi84b, Pic86, Pik87, PRV89, Pro82, QR89, RRS89, RM87, RG88, Riz88, Rob89a, Rok85, Rok89, SP87a, SGT88, SB82, SS88b, SSSR83, Shi81, SB84a, Sho86, Smi81, Soh87, SG88b, SL85, Tan85, TWM82, TM88, VV82, Van84, Van86, Vat89, VC85, WP83, WR84, WR86, WVP82, WK89, YH88a, Zeb84, Zer85]. **Solutions** [CPJ89, Gil81, Abd87a, Abd87b, AH88b, BM87a, BR80a, Bel82, Blo82, BGR80, CB80, DFP81, DW81, EW88, FLP80, Fle83, Fuc89, GGS82, GT85, Gre84b, GG86, Gup81, HK83, HP87, HK84, Hua81, Jar81, KP85, KP86a, KF87, Kli87, KM80, LMM87, LM89a, MES80, Pan89, Pom83, QQM89, RN86, SK83b, SK86, Str82, TB82, Tre81, VJ89, Vat87, WOZ84]. **solve** [BGM87b, HN88, Nex87, RL89, Tak85]. **solver**

[BDJS86, Duk85, Gla88a, Gla88b, Gup84, KE87, KJM80, Whe81]. **Solvers** [BH87b, BB84a, Cha86, GG88, HLAD84, Pat86, Roe81, Sch80b]. **Solving** [Asc80, BJ84, DGKW84, Eck89, Eyr87, MHK86, MvdV81, Nol85, BCE88, Cat88, CA85a, CA85b, CW89, CL81a, CL83, CL84, CC87, CL86c, Cur82, Dav83, DJT80, ET88, EWR88, FP88b, For84, FR87, GS87a, GF86, Hag81, Hew80, ICP80, KR86, KK81, Law87, Li89, MEGH85, McD80, Mel88, Per87, Pro81a, Ram85a, Ros89, SAR82, TNY85, TDhLcSb89, TAJ+81, Tur87, Zeb87]. **Some** [AHH87, Hag81, LV86, Man85, Pla81, SG86, Afa87, Afa89, Bin85, Bog88, CY85, Cul83a, Cul83c, Ter81a]. **Sommerfeld** [Dru80, MM81c, NR80b]. **Sommerfeld-type** [Dru80]. **sonic** [HL85]. **SOR** [BE85, Ehr81, Rig87]. **sorting** [Tem83c, Tem85, Tem88c]. **source** [GMT+81, RMS85, SS88a]. **sources** [Gar86, Hoe83, OS85]. **Space** [Mor82, CRS88, DO86, Kli87, Neu81, PL86, SKA86]. **Space-charge** [Mor82]. **space-marching** [PL86]. **space-time** [Neu81]. **spacing** [Got88]. **Sparse** [vdV81, SGT88]. **sparsity** [CW85a]. **Spatial** [Grö83, CLF84, KG85]. **spatially** [Pan89]. **special** [Hau82, HHN+86, HSSC83]. **special-purpose** [HSSC83]. **species** [Tak86]. **Spectral** [Boy87b, DQ85, KP89a, LJ85, MO80, Mor84, Ors80, SZH85, ZWH82, ZWH84, AHH87, Baa81, BM89, BGMM89, BH87a, BFT85, CQ85, CQ87, FFS82, FT84, GTD89, Gau88, GX89, HLAD84, Hei88a, HH86, IBCS87, KP89b, KMA89, KP86b, LO87, MZH85, Mav89, MML83, MTM81, PP88a, Pat84, Pat89, RS85, SH84a, Ste87b, SSF83, Tan89, Zeb87, dFSS89, ML83a]. **spectral-difference** [GX89]. **Spectrum** [MK86]. **speed** [Bra88, OS88, Tur87]. **SPH** [MG83]. **sphere** [AP85, CL86c, Dri88a, Gil81, HS88b, iKI85, Neu83, Tha80]. **spheres** [Ber83, JH83]. **Spherical** [Mar81, O'B80, AP88, BS84, CB89, DQ85, Dil85, EHD89, FRRT87, KS82, Mac86, Neu83, Ves82]. **spherically** [Man85, Man87]. **Spin** [DGKW84, MV83a, EFCS88, HSSC83, JR81, KSD81, Lub88, Sad84]. **spin-exchange** [Sad84]. **Spin-orbit** [MV83a, KSD81]. **Spline** [AEBS86, EWR88, ASIO86, Asc80, Die83, LJ81, Mor84]. **Spline-collocation** [EWR88, Asc80]. **Spline-Galerkin** [AEBS86]. **Splines** [Eyr84, CP88a, Mon85, Sho83]. **Split** [IBCS87, dFSS89]. **Split-step** [IBCS87, dFSS89]. **Splitting** [LvLS89, Rap80b, AG81, CM89, Coo86, Dic88, Gar83, Gla88b, HN88, Iss86, LBR81, MK83, Mül88, Nex87, SW81]. **splitting-up** [LBR81, MK83]. **spontaneous** [vDS80]. **sprays** [AFLS83, Duk80]. **spreading** [Gre85a]. **SPUDNUT** [AEG80]. **Spurious** [SK83b, GTD89, WD84, Zeb87]. **square** [Pol87]. **Squares** [Mun81, BB84b, CFG83, MM88]. **SSD** [GKL+87]. **Stability** [AM82, BWY82, CKD87, CF82, Dyk87, KG85, PC82, ZBP83, AB81, BHM+83, BGR80, BL82, CC87, CS81a, CFL86, CR84, EH85, FB88, FSD81, GT85, GDM83, HRS80, HMW85, HMJ86, KMA89, LCC+86, Mah82, Man86, MM85b, RV88a, TE86, Tre83, Zeb87]. **stability-enhancing** [Mah82]. **stabilized** [Smo82]. **stable** [JT86]. **stage** [HR84b]. **Staggered** [Got88, Abd87a, Abd87b, BCE88, CW82, SS88b]. **staggered-mesh** [BCE88].

stagnation [GS87b]. **standard** [KE87, OS85]. **star** [Ale86]. **starting** [KS87]. **starts** [Sel83]. **state** [ADG86, BJ84, CL80, ER85, Hua81, Lav88, MES80, Nor89, Phi84b, Shy85, Tak80, Van84, WOZ84, YWH85]. **states** [ADKM82, MJ81, WOZ84]. **static** [SS80, Mih85]. **stationary** [BD82, Bra84, Bra86, Fer88, Rap80b]. **Statistical** [O'R89, PW85, RV88b]. **statistics** [KD88]. **Steady** [AD83, For85, JY86, SSG81, WOZ84, ADG86, Boe82, CB84, CA85a, CA85b, CJ86, Dic83, Dic88, ER85, EB83, GK81, GR84, GW85, GW80, Hua81, IT89, JY83, Kor89, Lav88, LG81, MP84, MP89b, Nat89, Nor89, Sak81, Shy85, SS82b, Tak80, Van84, YWH85]. **Steady-state** [WOZ84, Hua81, Lav88, Shy85, Tak80, Van84, YWH85]. **steep** [Gre84b]. **steepest** [HH85]. **Stefan** [BJ81, DKD85]. **stellar** [Gla84b]. **Stellarator** [LCC$^+$86, BBG80, HCG$^+$85]. **stellarators** [BHS87, LNS87]. **step** [BP87, Dyk87, For83b, IBCS87, ICP80, KM85, KK88, LCF83, LG81, Mah82, MSW87, Ste81, SH84c, Van84, Wag88, dFSS89]. **stepping** [Got88]. **stepsize** [ZBP83, ZBP84]. **stereological** [iKI85]. **Stiff** [BH87b, Dav83, KK81]. **Stiffness** [PV83, Sha84, Bog88]. **stimulated** [Chr88]. **stochastic** [DWD83, DS89, EWR88, Gol86a, KD88, Spi88a]. **stochasticity** [FDS81]. **Stokes** [AG81, Abd87a, AHP81, BDR82, BCG89, BGR80, BP87, Cha88, CC84, CPJ89, Cul83a, Cul83c, DD89, DH89, DP86, FP88b, FF86, GGR82, GGR89, GGS82, GS89, Gup81, Hal81, HK86, HG84, KP89a, KM85, KP86b, Kor89, KHT87, Li80, Lon88, Luc87, MZH85, MML83, Nat89, Ng81, Nor89, OK86, Rap80b, Ros83, RS80, SSSR83, Soh87, SG88b, SBSH84, SN88, Tak80, Tan89, TB82, TF89, Tre81, VM86, Van86]. **storage** [GS88, Wil80c]. **storm** [TGP80]. **strain** [Mei89]. **strategies** [CFL86, Dan80, Tem89]. **strategy** [Nor80, QQM89]. **stratified** [GHK88, HMI83, HR84a, MTM81, RH88b, SW85, SS82b]. **stream** [Ana89, DQ83]. **streamfunction** [GS89]. **streamline** [Pea81]. **Streamlined** [HB87]. **Streamwise** [Gre85b, Gre88]. **stress** [SC81]. **stresses** [JR85]. **stretching** [Vin83]. **string** [LR81]. **Strong** [FDS81, Hoe83, Hoe84, ADL87, Noh87, WC84]. **strongly** [GM81, Har80, Mor81]. **structural** [KGH80]. **structure** [BM80b, Col81a, Fer80, Har81, Sch80b, Tak81, TS81, WVP82]. **structured** [CW85a]. **structures** [JRS86, KD80, KH80, KGH80]. **Studies** [VSS86, AFLS83, Bai80, BBG80, FSD81, HL84, KPBRF83, ML83a, ML83b, Sto86]. **Study** [SS81, AH88b, BL85, Bin85, BK88b, But88, CG89, CW84a, GGR82, GR84, HRT80, HHS89, Kum82, SP87a, SG88a, Shy85, TY87b, ZH88]. **studying** [Fog84]. **Sturm** [Boy85, EJL87, MV83b, PT86, Pru88]. **Sturmian** [DR85]. **sub** [ASL82]. **sub-cycling** [ASL82]. **subcell** [Har89]. **subcritical** [DS86b]. **Subgrid** [GMM80]. **subject** [PG87]. **subsonic** [RS80]. **subtracting** [Wig88]. **Successive** [NDAL88, RL84]. **suitable** [Pea83]. **sum** [AD87, Afa89]. **summation** [vDR89]. **sums** [Afa87, Mac81]. **Sundström** [Tre83]. **SUNION** [SS84a]. **SUNION-an** [SS84a]. **Supercomputer** [McN87, BJ84]. **superconducting** [MMR89]. **superconvergent** [MC88a]. **supercritical** [Ros87]. **superfluid** [But88]. **Supersonic**

[FS87, BDR82, DS86c, GW85, Li80, MP84, RM82]. **supporting** [LBR81]. **suppression** [CW85b]. **Suprathermal** [Wie83]. **Surface** [FOF88, Asa87, BE85, CL86b, For89, FW81, HCG⁺85, LC88, MES80, MSB87, OvOH89, PJ83, SS88a, SS80, SS89]. **surfaces** [Keu86, ML83a, Sal86, TMCS85, War86]. **surge** [TGP80]. **surgery** [Dri88a, Dri88b]. **surrounding** [KH80, KGH80]. **suspended** [FP88b]. **swarm** [SBBY83]. **swirling** [KMA89]. **switching** [SS84b]. **Symbolic** [Bro89, Gla84a, SR85, KTT89, Lo85]. **symmetric** [CB89, CW81, GPS88, GDS88, GS88, Har83b, Kos84, KW85, MS81, Man85, Man87, NV89, Ret82, RN86, Yee87, vdV81]. **symmetrical** [Bra86]. **Symmetry** [DGKW84, Pat87, SN83, CW86, HBR82, MW87, NMG81]. **Symposium** [Ano80z]. **synergetics** [Zab81]. **system** [Abe89, CCCS81, EG86, Jar81, KP83b, MPPS84]. **Systematic** [FK89, Rob89b]. **Systems** [DGKW84, vdV81, AD87, Aiz85, Alz84, BL85, BCT89, BDJS86, CQ87, Cep83, CLS89, EFCS88, GDM83, Gus80b, Gus82, Hag80, HHS89, Har81, Har83b, HC81a, HMS89, Hen87, Hir89, Hoe83, HSSC83, HR86, Ixa80, JR81, KP85, KP86a, Kra80, Law85, Law89, Lub88, Mej86, MT84b, MS80, Moh84, NR85, Nol85, PT86, Pir80, RRS89, RM87, RSR86, Sad84, SGT88, Shi86, Spa85, TMCS85, TWM82, Tho87, Tur80, Uch83, VBSS89, Wol85, dFSS89].

Tables [ML85, ML87]. **taking** [Tak81]. **Taming** [AD87]. **tangent** [DS86a]. **tangential** [RL89, ZO83]. **targets** [Bon84, CW80, LBR81]. **Targetted** [DS89]. **Tau** [LO87, GTD89]. **Taylor** [BK87, Jon85, Ker88, MZ83, MML83, Try88, Zuf89]. **tearing** [HCH⁺81]. **Technical** [Bas83]. **Technique** [Mun81, Adh81a, AF86, Duk84b, GPS88, JR81, KT86, LA83, LJ81, MEK86, Mat86, Mei89, Mel88, Mer86, MT86b, Nav83, NR80a, NE82, Rag82, RMS85, Sak81, SS86, SSC86, TL81, TF89]. **techniques** [BS86a, Cul83b, DA86, FLP80, Gla84a, GMT⁺81, Hun86, KMRM88, KMA89, KS82, KG87, Ota88, SK83a]. **temperature** [OA85, PV83, RA87]. **temperatures** [Bir86]. **tension** [FOF88]. **tensor** [HW80]. **term** [Per87]. **terms** [Sch80a, SB88, Zal81]. **terrestrial** [KL80]. **tesselation** [RHOG88]. **tessellation** [TOO83]. **test** [EHD89, Mei89, Tre81, WH87]. **testing** [Kob85]. **tests** [GR82b, LV86]. **textures** [Bas84]. **th** [GS83]. **Their** [CP88a, AB81, Bar82, BV82, BL82, Sch80a, Yee87]. **theorem** [LBM87, MW84]. **theorems** [Dec84, Vic86]. **theories** [Pol87, TDhLcSb89]. **Theory** [Col81a, Fer80, AHP81, Bal85, BL88, BST85, CA85a, Chr88, DKD85, DKWD89, GS82, GS83, Gla84a, HC87, KKMP86, LO86, MC88a, ML83b, MM81b, OJJ88, Ota88, Pom88, RE87, Rok85, Rok89, TAJ⁺81, Tre83, YHS86, BW88a, ZGB88]. **thermal** [BR80b, BDJS86, CL81b]. **thermally** [Chr88, GHK88]. **thermodynamic** [Kra80]. **thermohydraulic** [Ste81]. **thick** [LMM87, LM89a]. **thin** [AH88a, Hun89, Kam81, LBR81]. **third** [JY83]. **third-order** [JY83]. **Thomas** [CS84, FLP80, FRRT87, Kru82].

thousand [EG86]. **Three** [AB84, HR84a, Ohr81b, RM82, SS82b, ZMC83, AG81, AEBS86, AB85, Bas83, Ber88, Bue88, Cat88, CA85a, CA85b, CPJ89, CQ89, CBL81, Duk88, EH85, EG86, Eyr84, Eyr87, FP88b, FS87, Gla88b, Gre88, HRS80, HHS89, HK85a, HS86, HMJ86, HH86, HSA89, HGS88, KD88, KO86, KH80, KGH80, KHT87, KHTR89, LM86, MEK86, MP89a, Med86, MPPS84, MT84b, MNM85, PM89, RG88, Ros89, Sal86, SBC84, Sch80b, Sco85, SM84, SP87b, SN88, Tan85, Tan89, TOO83, WR84, WR86]. **three-body** [AEBS86, CQ89, Eyr84, Eyr87, MPPS84]. **Three-dimensional** [AB84, Ohr81b, RM82, SS82b, ZMC83, AG81, AB85, Bas83, Bue88, CA85a, CA85b, CPJ89, CBL81, Duk88, EH85, FP88b, FS87, Gla88b, Gre88, HHS89, HK85a, HMJ86, HH86, HSA89, HGS88, KD88, KH80, KGH80, KHT87, KHTR89, MEK86, MP89a, Med86, MT84b, MNM85, PM89, RG88, Ros89, SBC84, Sch80b, SM84, SN88, Tan85, Tan89, TOO83, WR84, WR86]. **three-point** [Ber88]. **three-thousand** [EG86]. **thrust** [Yam83]. **thunderstorm** [HNK89]. **tidal** [For83a, KG85, Pla81, Rag82, Tha80]. **tides** [LV86]. **tight** [Laf89, MJ81]. **tight-binding** [MJ81]. **tilt** [HSA89]. **tilted** [CW84a]. **Time** [Alz84, Den81, DGKW84, GS89, HG88, MK82, OA85, Soh87, Tho87, AG81, AF86, ADR84, Bai80, BK85b, BF86, CH88, CLF82, CFL86, CBG86, DQS87, For83b, FW81, FT84, Gan85, GHC$^+$86, Got88, Gus80b, HS86, Hu89, KK83, LCF83, Lar88, LW85, LM89b, MK80, Mor84, Neu81, NR84, Per81b, PC86, RA81, Roe86, SSM83, SGT88, SAR82, SH84c, Van84, Yor86, ZBP83, ZBP84]. **time-** [ADR84]. **Time-Dependent** [MK82, GS89, OA85, AF86, Bai80, BF86, CFL86, FW81, Gan85, HG88, Hu89, Lar88, MK80, PC86, Roe86, SAR82]. **Time-filtering** [Den81]. **time-implicit** [CBG86]. **Time-independent** [HG88]. **time-integration** [ZBP84]. **Time-marching** [Soh87]. **Time-Reversal** [DGKW84, Alz84]. **time-step** [LCF83, SH84c]. **time-stepsize** [ZBP83]. **Toda** [FFM82]. **tokamak** [DJT80, HPL80, NR84, ONM83, YNAS86, NB89]. **tokamaks** [CD80, GMT$^+$81, HG86, JPD86, Man86, Pet87, SB87b]. **tomographic** [Nol85]. **tomography** [SGT88]. **tool** [BK85b, BGM87b, KK83]. **topics** [RE87]. **topological** [Dri88b]. **topology** [DCA89]. **toroidal** [CLJ$^+$89, CHH$^+$86, CC87, GDM83, HHS89, HK85b, Jar81, Mer86, Sto86, WG86]. **Toroidally** [RN86]. **Torque** [CM82]. **torus** [Shu84]. **total** [BD83, YWH85]. **trace** [GWZ85b]. **trace-biased** [GWZ85b]. **Tracing** [SSF83]. **tracking** [BSS82a, CGM$^+$86, HL84, Löt82, SSG81, SH84b, YP88]. **traction** [Bel82]. **trajectory** [BC87b]. **Transfer** [MK82, Bon84, CDS83, Fuc89, FF86, GS87a, HK83, LM87b, Lar88, SC85]. **transform** [BK85b, CBLL86, GM81, GS85b, Kli83, LR80a, NM80, Pic83, CFR84]. **transformation** [Aiz85, HW81, Kra83, MFC$^+$85, PG88b]. **Transformations** [HH88, Tuc89b, GRP82]. **transforms** [Can81, SS88b, Tem83a, Tem83c]. **Transient** [Kam81, KH80, KGH80, CL86b, CHS88, HW84, JR85, Keu86, KG87].

transition [FFG87, Jon85, Pes81]. **transitions** [Bin85]. **translating** [WOZ84]. **transmission** [CCCS81, LBR81]. **Transmittance** [LM87a]. **Transonic** [Vij86, Boe82, CFG83, DH82, Dic83, EM81, Lyt87, SC82, SZH85]. **Transport** [KL80, NDP88, AOK81, AEG80, BCE88, BHS87, BST85, BF86, CRS88, CBG86, FC84, GS82, GS83, GF86, Hag87, HM80a, HC87, HPP+82, Her89, HKA89, Jar81, JPD86, KW87, KPBRF83, LBR81, LMM87, Lar88, LM89a, MPA88, MEGH85, MD80, Mih85, MK86, MC85, PC82, PGBO87, Pet87, Rob89a, SP81, SBAM82, SS89, Smo84, SC86, SM89, SMR89, Tam81, WHW87, Yor86, ZBP84]. **transversely** [Ana89]. **trapped** [CD80]. **trapped-electron** [CD80]. **travel** [SGT88]. **traveling** [DW81]. **treating** [Pol87]. **treatment** [CQ87, HM89, HGM86, KP83b, LBR81, LPS85, MM81b, Phi86, Rai86a, Smi88, Spi88b, ZBP84]. **treatments** [TB82]. **tree** [Mak89]. **trees** [Hal89]. **trial** [CRS88]. **triangular** [Fre81, FOF88]. **triangulated** [OvOH89]. **Tricomi** [MMV81]. **TRIDIF** [Fre81]. **trigonometric** [Lyn84]. **triple** [JR82]. **tritium** [NR84]. **Truncation** [Chi88, Sch80a, ACM88, Hof82, ZMC83]. **tsunami** [KRW88]. **turbulence** [BM89, Bas83, But88, FFG87, KD88, KL89, NMG86, RRS89, Sco88, VM86, YP88]. **Turbulent** [MHK86, Set84, Ano82i, DS86c, Fer87, HP87, Hor87a, Lam81, O'R89]. **Turkel** [FT84, NN89]. **turn** [O'R84]. **turning** [CA85b, PA86, TL81]. **TVB** [CLS89]. **TVD** [WW89, YWH85, Yee87]. **Two** [Col81b, MG89, Rob89a, SK86, SW84, TS81, AG81, AM82, Ana89, And89, AF86, BST86, BS82, BF82, BR86, Cat88, CB84, CL83, CC84, CY85, CH84, DP86, Dyk87, Eas87, EG83, EB81, Fle83, For83b, For84, FB88, FFG87, Gar86, GGR82, Gau88, GMM81, GRP82, Gre85b, GS85b, GM88, GX89, HC87, HK86, HMJ86, Jac89, LA85, LS87, LG81, Lim80, LBS88, Löt82, Mah82, MEGH85, Mak89, MP84, Mei89, MSW87, Mru85, MTM81, OG86, PG88a, Qua81, QR89, Ram85b, Ram86, RM87, RH84, RH88a, RH87, Rok89, Sch82, SK80, Sco85, ST88, Ste84, TR86, Uch83, Wil82, WBL86, WC84, WOZ84, vDR89]. **two-** [AG81]. **two-center** [GS85b]. **Two-dimensional** [SK86, TS81, AM82, Ana89, And89, AF86, CL83, CC84, CY85, CH84, DP86, Eas87, Fle83, For84, FB88, FFG87, GGR82, Gau88, Gre85b, GX89, HC87, HK86, HMJ86, LA85, LG81, Lim80, LBS88, MP84, Mei89, MTM81, OG86, Qua81, Ram85b, Ram86, RM87, SK80, Uch83, WC84, vDR89]. **two-factor** [Cat88]. **two-parameter** [EG83]. **Two-phase** [Rob89a, SW84, BST86, CB84, EB81, LS87, Löt82, RH84, RH88a, TR86]. **Two-point** [MG89, Gar86, GM88, Jac89, QR89, ST88, WBL86]. **two-potential** [Mru85]. **two-pressure** [RH84, RH88a]. **two-step** [Dyk87, For83b, Mah82, MSW87]. **two-valley** [MEGH85]. **type** [BAF84, BDJS86, BB86a, DH89, Dru80, GS85b, Ioa82, IMT+89, Kal84, iKI85, Lev82, Mel88, SS86, TNY85].

Uhlenbeck [FK89]. **umbrella** [Mez87]. **Unavoidable** [ERDF83]. **Unbiased** [Wag87, Wag88]. **unbounded** [Boy82, KP89a]. **undercooled** [SLO87].

underwater [FH81, SL85]. **unfolding** [HS88b]. **Unified** [Lyn82, Wit84]. **uniform** [Ana89, CFR84, Hof82, Mor81, MC85, Pan89, ROS85, SMR89]. **Uniformly** [HEOC87, Wik89]. **Unigrid** [HMR82]. **unitary** [KSD81, Shi86]. **unsplit** [BDS88]. **Unstable** [She87, GMM81, Hal88, Ker80, Str89, Vie88]. **Unsteady** [Ing84, SG88b, AFLS83, BE85, BS89b, CC84, Coo86, EM81, GGR89, GG88, Hua81, McL80, RS81]. **unstructured** [FS89]. **update** [RWC89]. **Updating** [BBG+87, Mil89b]. **upper** [Bai80, GC89]. **upstream** [BP80, Dav80b, SP81, Vij86]. **Upwind** [Chr85, OC83, Str82, BW88b, Dav84, FS89, LC89, MA84, MV85]. **Usage** [MvdV81]. **Use** [DA86, KD80, LR80b, Pea81, SMR89, Wil80a, AG80, BR80b, BS89a, BM80b, CW86, Cul82, Gar83, Gre84b, HRT80, Hos86, MZ83, MM85b, Pic83, Shi81, SG86, Tur80]. **useful** [Afa87, Afa89]. **Using** [BP88, Abd87a, Abd87b, ABS82, Bar87, BSS82b, BB84a, BW81, Boe82, Bor86, Boy87b, CFR84, Cha86, CHH+86, Cla87, CRS88, DS86a, DD89, Die83, Dri88b, DP86, Eck89, EHD89, EHM81, Fou84, GHC+86, GGS82, GS85a, GHK88, Gla88b, GS88, Gus80b, Har81, Hun86, Ino83, Ino85, IMT+89, KKMP86, Ker88, KTT89, LLL88, MT86a, Mih85, MK86, MT86b, Neu81, NMG81, NE82, Noh87, Ohr81a, Ohr81b, PP88a, Pes81, Pic86, PC81a, RS81, RM87, Rap85, Rei81, SH89, Spa85, Ta'87, Tan89, Ves82, Vij86, WG86, YH88a, YH88b]. **utilization** [CW85a].

V [Kil87]. **vacuum** [HCG+85, McL80]. **validated** [OW85]. **Validation** [SG88a]. **validity** [GM85]. **valley** [MEGH85]. **Value** [Cou85, AM82, Asc80, Coo86, Dav80a, Dav83, Dav81, DD87, Gar86, GP80, HMR82, Jac89, KR84, Mey86, OS83a, QR89, RSR86, SB84a, Sid85, Smo82, Spi88b, Str80, VTB89, WBL86, Wol81, Zeb84]. **values** [BG85a, WC85a]. **valves** [MP80a, PM80]. **Variable** [CL80, LJ81, Alv89, Dar89, DO86, GT85, Got88, HL85, HK86, KK88, LO86, MIK88, Mos85, ZBP84]. **variables** [Abd87a, EG86, GGR82, Mih85, MK86, VL84, Van86]. **variance** [BB88, GRP82]. **variance-reduction** [GRP82]. **variances** [Mil89b]. **variation** [Whi87, YWH85]. **Variational** [ABDV81, CRS88, Sal86, Bar80, Ber83, CSW85, HK81, IA88, LW85, MM89]. **variational-iterative** [CSW85]. **variations** [And85, CX86, RA87]. **various** [Bal85]. **varying** [Hit80, WK89]. **Vector** [NOY85, ABS82, CM82, CM89, DQ85, FWHC86, HA89, KE87, McD80, Mül88, RN86, SW81, SMO85, Tut86, WR84, WR86]. **Vectorized** [Bor86, IMT+89, CM86, Din86]. **Vectorizing** [Hor87b]. **vectors** [Roe81]. **velocities** [BM89]. **velocity** [Alv89, And83, And86, BM85, FF86, GGR82, GL85, Kaw87, Kli87, Spe87, SMR89, Tre83, Tuc89a]. **version** [And83, FWHC86]. **versus** [Boy86]. **vertical** [Lim80]. **very** [BJ84, CJW85, CW81, JR81, KS81]. **vessels** [Set84]. **via** [Dil85, Lev88]. **vibration** [Kob85]. **vibration-rotation** [Kob85]. **vibronic** [Law87]. **vindication** [GL85]. **violating** [BKP87]. **visco** [HT86]. **visco-resistive** [HT86]. **viscoelastic** [Keu86, Lon80]. **viscosity**

[FOF88, GR84, Noh87, Wil80a]. **viscous** [And89, AD83, BR81, For85, GS89, GX89, KTH88, LG81, MSB87, MK80, O'B81, PM89, PL86, Qua81, QN86, RM87, Rig81, Ros89]. **viscous-flow** [KTH88]. **Vlasov** [Law85, Whe81, WMM86, ZGB88, ZBG88]. **VLSI** [HCM89]. **VOF** [HN81]. **Vogelaere** [Moh84]. **voltage** [MB80]. **Volterra** [EHM81, Pro82]. **Volume** [HN81, Ano80e, Ano80f, Ano80g, Ano80h, Ano80i, Ano81c, Ano81d, Ano81e, Ano81f, Ano81g, Ano81h, Ano82d, Ano82e, Ano82f, Ano82g, Ano83e, Ano83f, Ano83g, Ano83h, Ano84d, Ano84e, Ano84f, Ano84g, Ano85c, Ano85d, Ano85e, Ano85f, Ano85g, Ano86e, Ano86f, Ano86g, Ano86h, Ano86i, Ano86j, Ano87d, Ano87e, Ano87f, Ano87g, Ano87h, Ano87i, Ano88e, Ano88f, Ano88g, Ano88h, Ano88i, Ano88j, Ano89f, Ano89g, Ano89h, Ano89i, Ano89j, Ano89k, Duk88, Lev88, MP89b, RS81, Vin89, WW89]. **Voronoi** [Aug84, AP85, Med86, RHOG88, TOO83]. **Vortex** [GC87, GH86, Leo80, And85, And86, BM87a, BM85, BL82, Cha88, CHS88, CBL81, ET88, GHK88, Gre85a, Ker88, Kra86, MP80a, Mei89, MTM81, Per85, Rob85, SG88a, SS85, Sum89, Tan89, Ten82, Try89, Zuf89]. **vortex-in-cell** [CBL81, Zuf89]. **vortices** [CH84, Jon85, MMR89, Riz88]. **Vorticity** [And89, Qua81, DQ83, FF86, GGR82, O'R84, SS89, Spe87, Tut86, WR84]. **vorticity-stream** [DQ83]. **vorticity-vector** [WR84]. **vorticity-velocity** [FF86, GGR82, Spe87]. **Vries** [AI80, AA89, HPBY86, MS87a, NS89, Slo88, TA84b, TA88].

walk [FC84, GS85a, GS87a]. **walks** [Cep83]. **Wall** [HG84, CHS88, NR84, SS80, Whi87]. **Wall-compatibility** [HG84]. **wall-driven** [CHS88]. **Walsh** [PC81a]. **water** [Aug84, CL86a, CS82, FN80, For83b, For84, For86, Gil81, Hen81, MM81a, MM81b, Mat86, Nav83, NN89, Ohr81a, Sch80b, Sho86, Wit84]. **Wave** [Lon80, SS85, Alv89, BBM88, BH87a, BFH86, BP80, CLJ+89, CL83, CL86b, Chi88, DW81, EB81, For83a, Gol86b, HC81b, IMT+89, KG85, KK86, Lev88, LA83, LJ81, MP84, MLB87, MSB87, Ohr81a, Ohr81b, SSC86, Sco88, SL85, Ste87b, SB84b, WMS88, Wei85]. **Wave-induced** [SS85]. **wavefunction** [Che84, Kob85]. **wavefunctions** [Hut84, MT84a]. **waveguide** [CDP80]. **wavelike** [GT85]. **waves** [BGT85, BPS85, BH87a, BL82, CG89, GM85, Hen81, KRW88, MS87a, MOFK88, Mat86, MNM85, Miy86, Mus81, SSC81, Sid85, Wit84]. **wavy** [Jon85]. **way** [Gol86b]. **Weak** [BGM87a, MJ87, RRS89]. **weakly** [KRW88, SBBY83]. **weather** [Cul83b, SOS89, Ste87a]. **Weber** [SGA81]. **weighted** [SP81]. **weighting** [Bar87]. **welding** [DKD85]. **well** [Hag80, WH87]. **well-conditioned** [Hag80]. **well-known** [WH87]. **Wendroff** [BLT+81]. **where** [LO87]. **which** [BM84, OJJ88, SA81, WC85a]. **while** [Osg81]. **wide** [MLB87]. **Wiener** [Hal87]. **wind** [Kum82, Mel88]. **wind-driven** [Kum82]. **wing** [Ros87, SC82]. **within** [HNK89]. **without** [HG88]. **wrong** [Gre85a]. **Wu** [Fet84].

X [GKL+87]. **X-MP** [GKL+87]. **X-MP/24** [GKL+87].

Zakharov [PND83]. **Zernike** [HA85]. **zero** [Hew80, Kru82]. **zero-inertia-electron-hybrid** [Hew80]. **zeroes** [Afa89, ANAN84, Dye84]. **zeros** [BPD81, Dav86, IA85, Pie84]. **zeroth** [Wal84]. **ZIP** [Zal81]. **zonal** [Rai86a]. **zone** [Nor80]. **zoned** [BR86]. **zoning** [BS82]. **Zwas** [NN89].

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