

A Complete Bibliography of Publications in *Computer Physics Communications*: 1980–1989

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: <https://www.math.utah.edu/~beebe/>

11 April 2024
Version 1.21

Title word cross-reference

(a, a') [SR84a, SR84a]. (a, b) [SS84b, SMD84, SR84a]. $(a, b\gamma)$ [SS84b, SMD84, SR84a]. $(a, b\gamma - \gamma)$ [SS84b, SMD84, SR84a]. (a, γ) [SR84a]. $(a, \gamma - \gamma)$ [SR84a]. (η, π) [BDG⁺84]. (n, γ) [Har81, Har84a]. $(np)^q$ [CLS⁺84]. + [LH88, SAC87, vdM84a]. 0 [Col80a, Col84a, Coo84b]. 1 [ELS88, ERB88, GS89, KT81, Ods84]. 1.6 [NAS87b]. 1/2 [KF84]. 10 [Col80a, Col84a]. **\$11.50** [Eas80]. 15 [And84b, And84a]. 19 [And84b, And84a]. 1p [MNJL84]. 2 [Atz86, BPW84a, BPW84b, Cro88, ERB88, KT81, MCJ81, MCJ84, MN84b, RBMC86]. 2.5 [HL88]. 27 [And84b, And84a]. 3 [And84b, And84a, Car89, Cat89, CN87, JN85, Kir87, Moh89, SS81, Syk81, Via87, Wan87, YpMzCeCg85, vdV89]. 3/2 [Coo84b]. **\$36.80** [Eas84a]. 3n [Sha84]. 4 [BLR82, BLR84, YpMzCeCg85]. **\$45** [Taj86]. 5/2 [Cat89]. 6.3 [SB87]. 7 [And84b, And84a]. 8 [BS86b]. 9 [AS83, AS84, KA87, RRC89, SA83, SA84]. > [BKJ84]. + [BS84d, GS89, LH88]. $\frac{+}{2}$ [WMCH84]. $+e^-$ [SB87]. ¹⁰ [VBD88]. ² Σ [Nai84, Nai86]. ³ [MZZ89]. ^k [Lew84b]. ₁ [MZZ89]. ₂

[DST80, DST84a, DST84b, JB80, Joh88, LNB⁺88, LH88, Mag84b, Rob80b, Rob84c, RS84a, RRG88, WMCH84]. $\frac{1}{2}$ [RS83, RS84d]. $\frac{3}{4}$ [LH88]. *A* [BF84, Kac84]. $A(\gamma_v, D)R$ [TW83, TW84]. α [KKP82, KPH84, KKP84, Klo84a]. *B* [Cha84c]. b_n [BS84d]. β [LCH⁺81, Sch81, Sch83]. \cdot [LCS84]. *D* [Hel80, All84c, Chi84b, DM87]. δW [GTR⁺81, TBG80]. e^+ [SB87]. e^+ [TS89]. $e^{+-} \rightarrow q$ [BKJ84]. e^+e^- [BKJ84, FGK89, Rit84b, Sjö83, Sjö84a, Sjö86]. $e^+e^-\mu^+\mu^-$ [BDK86a]. $e^+e^- \rightarrow e^+e^-\mu^+\mu^-$ [BDK86c]. $e^+e^- \rightarrow \mu^+\mu^-$ [BKJ83]. $e^+e^- \rightarrow qq$ [BKJ83]. $e^+e^- \rightarrow \tau^+\tau^-$ [JW85]. e^- [TS89]. η [BFSG84]. *f* [AM84a]. $F_0(x)$ [SC84]. $F_m(z)$ [EMR84, Jak84]. *g* [CDN⁺87]. $H_n^{(1)}(z)$ [AM84b]. $H_n^{(2)}(z)$ [AM84b]. $Hx = eSx$ [Nas84]. *I* [GPS84, LJLC84, Hub84a]. $I = 2$ [Cat89]. $I = 3/2$ [DG84]. $I_{\nu\nu}(z)$ [Tho04a, Cam81, Cam84a, Cam84b, TB87]. *IL* [KPP84a]. *J* [CH88, Moo81a, Moo84a, Hub84a, Hub84b, RRC89, SG84a, Sha84]. J_0 [AM84c]. J_1 [AM84c]. j_n [AM84e]. $J_n(x)$ [Col80a, Col84a]. $J_n(z)$ [AM84b]. $J_\nu(x)$ [Cam84c]. *jj* [Dya86, Gra84a, PGB84]. *k* [Sim80, Sim84]. $K_\nu(z)$ [Cam81, Cam84a, Cam84b, TB87, Tho04a]. *L* [Gas84]. $l(r)$ [Del84b]. λ [Bar81b, Bar84c]. $\lambda\phi^4$ [Bai87]. *LDU* [Oya86]. *LU* [KPP84a]. *m* [MPIM86]. $m = 0$ [Köl81b, Köl84b]. $m = 1$ [Köl81b, Köl84b]. μ [MS87b]. $\mu^+\mu^-$ [BKJ84]. *N* [DW89, De 88, Duc80, KK84a, Mur88, VČ88, CN84, Man87a, Mor84e]. ν [Cam84d]. $O(3)$ [MPS84]. $O(\alpha^3)$ [JW85]. *P* [Ben82, All84c, FBS88, FBS89]. $P_{-1/2+i\tau}^m(x)$ [Köl81b, Köl84b]. $P_L^M(x)$ [Del84a]. *pT* [BI85]. π [Sch86c]. $p \perp$ [IW87, Ing87]. *pT* [Ben84b]. *QR* [BM85b]. *R* [BBM82, BBM84, BBC⁺84, Cla84, DK87b, Lew84b, Mor84c, SB82, ST82a, ST84c, Sho81, Sho84, TBB87]. r^{-n} [Rud84]. ρ [BFSG84]. $s = 1$ [MGTD84]. S_n [SM84c]. $SU(2)$ [AM81, AM84d, CM85, KLS⁺89, Sha84, CGGK85]. $SU(3)$ [AD84, Bra84d, Bra84e, BS86b, CN84, CDL88, Hoe86a, KN86, MHP84, VBD88, BMR84, KM85]. $SU(N)$ [AMC83, AMC84, CM83, CM84e, DMM83, DMM84b, MT86]. $SU3$ [MNJL84]. $\tau^\pm \rightarrow X^\pm$ [JW85]. \rightarrow [SAC87, vdM84a, Le 89]. *U* [BRB89]. $U(1)$ [CMS83, CMS84, DMM84a, EMM81]. $U(3)$ [DLPL89, MPS84]. $U(5) \supset O(5) \supset O(3)$ [YP88, YP89]. $U(N)$ [AMC83, AMC84, DLPL89, DMM83, DMM84b]. $U(n) \times SU(m)$ [KS84a]. U_A1 [Via87]. *V* [Ano88t]. W^\pm [LO86, Odo84d]. $y'' = g(x)y + r(x)$ [Col80b]. Y_2^0 [Hir84]. Y_4^0 [Hir84]. y_n [AM84e]. $Y_n(z)$ [AM84b]. *Z* [Lew84c]. Z^0 [LO86, Odo84d]. Z_0 [BKJ83, BKJ84].

-annihilation [Rit84b]. **-body** [Man87a, YpMzCeCg85, DW89, Mur88]. **-centroids** [DK87b]. **-coupling** [Gra84a, PGB84]. **-d** [BLR82, BLR84, ELS88, Atz86, Car89, CN87, Cro88, ERB88, Moh89, Ods84]. **-dimensional** [DM87, Kir87, De 88, VČ88]. **-expansion** [Lew84c]. **-factors** [CDN⁺87]. **-fermion** [Duc80]. **-harmonics** [Gas84]. **-He** [Rob84c]. **-Matrix** [ST84c, Sho84, BBM82, BBM84, BBC⁺84, Cla84, Mor84c, SB82, ST82a, Sho81, TBB87]. **-particle** [Mor84e]. **-plane** [BDG⁺84]. **-point**

[AS83, AS84, KA87, SA83, SA84]. **-shell** [MNJL84]. **-space** [Sim80, Sim84].
-spin [Hub84a]. **-spline** [Cha84c]. **-square** [Moo81a, Moo84a]. **-systems**
 [Sch86c]. **-transform** [BRB89]. **-version** [FBS88, FBS89]. **-zeros** [Cam84d].

0-19-853614-3 [Gri87]. **0-387-19466-5** [Ano89h]. **0-7458-0019-X** [Jes87].

1 [Art85a, Dic82, DR82, FR81, Fin82, Fin84a, KJ85, PCM85, SG82, SB82].
1/2 [Hei84, Lan84a, SDH84]. **10** [KC81a, KC81b, MKRJ89]. **10-P** [MKRJ89].
100 [Ano89x]. **100/200** [MMM85]. **1000** [KKLS82]. **108** [Sta87b]. **11**
 [DGK⁺81]. **11-banded** [CKA89]. **110.00** [Man86]. **12.95/\$20.00** [Duc86].
14.95 [Jes87]. **16/32** [BBE⁺81]. **164** [MB83]. **169** [Sch86a]. **1983** [Ano82a].
1986 [Gri87]. **1987-1997** [New87]. **1A** [CRPL81, CRPL84]. **1s** [THH82]. **1st**
 [Wai87].

2 [BO80, Eas89, RWZ87, Rob85]. **2.0** [PCL89]. **200** [MMM85, VH87]. **205**
 [BM82b, BM82c, BCM83a, BM84a, BM86, BSDM88, BA86, Car89, CMO86,
 Dic82, HVS87, KW84a, Pur82, Tol85, VSH83, VBD88]. **205-ETA** [VBD88].
21-25 [Ano82-30]. **22.50** [Eas82]. **225.00** [Bra86]. **230-75** [MTN⁺82]. **27.20**
 [And86]. **2nd** [Bra86, Wai87]. **2O** [Laa86].

3 [Ano89h, Eas84a, Eas87a, Eas89]. **3-540-11147-6** [Eas84a]. **3-540-13401-8**
 [Sta87b]. **3-540-16966-0** [Fin87]. **3-540-18909-2** [Eas89]. **3-540-19466-5**
 [Ano89h]. **3-D** [Eas87a]. **3081/E** [Sph87]. **3090/VF** [Suc87]. **31** [KS08].
32-bit [VGD⁺89]. **34A** [DCC84]. **36** [Tho04b]. **370/165** [HRR84]. **3d**
 [And83b, And83a]. **3rd** [Ano89a].

41 [Ran87a]. **47** [Tho04a]. **488** [KKLS82].

5 [AGH⁺88, Ano89h, HR86a, HR86b]. **50** [RR84].

6 [Car80, Eas84a]. **64** [Ost85]. **68000** [BvEF85].

7 [OCC80]. **77** [Bru86, Nad86a]. **780** [VGD⁺89]. **780/E** [VGD⁺89]. **7th**
 [Ano88-27].

8088/8086 [CG87]. **88** [CC89a, CC89b]. **8x** [Met87, RW85].

9.95 [Nad86a]. **90** [Art85a, Rob85]. **90-277-1591-2** [Rob85]. **90-277-1597-1**
 [Art85a].

= [CH88, MPIM86].

A-three [Aue84]. **AAKF** [FS84c]. **AAKL** [Sax84c]. **AAKP**
 [Sax84b, Sax84a]. **ab-initio** [OCC84, OCC80]. **Abacus** [LU83, LU84].

ABEL [BD82, FC84a, BD84b, FS84a]. **Abelian** [KR88]. **ablation** [NF83, NF84]. **Abscissae** [Tak88a, Tak88b]. **Absorption** [GS83, All84b, AHVV86, CHMM84, DPH82, DPH84, GH83, GH84a, JBWW86, Le 89, MGK86, Mor84a, VSP86]. **abuse** [BBD⁺89]. **accelerated** [Bas87c, BKK86]. **accelerating** [BBR89a]. **acceleration** [IP88].

Accelerator
[Gou88, And88, Ano81f, ABD82, ABD84, BT84a, Kon84, Ods80]. **access** [Ghi87]. **accessible** [BvSW84]. **accompanying** [TW89a]. **according** [AI86, Wil84b]. **account** [HK83, HK84b]. **accretion** [Rob87b]. **Accuracy** [Hay89a, Bar81a, Bar81b, Bar84c, BD82, BD84b, Eas87b, GB87, Jam88, Lis84, PS88, Sea84b, TB87, TV86]. **Accurate** [AM84b, Poo83, Di 86, Di 87]. **acetylene** [CH88, FH88a]. **Acoustic** [Nor82, Nor84b]. **ACP** [BAA⁺87, GAA⁺87, Sli89]. **ACQI** [Klo82, Klo84a]. **ACQN** [HBJ84, NA84]. **acquisition** [CMH87, CDF⁺89, CSMHT88, CH84c, CHJZ89, Gai89, LBK88, PF86, SEF⁺89, SBB⁺89, SdAD⁺88, Tha89, Whi89b]. **ACRL** [BTS84a]. **acrz** [God84]. **ACTIV** [Zlo82, Zlo84a]. **Ada** [Zal88, Pyl85, WHD86]. **Adam** [Duc86, Eas82, Lis88]. **Adam-Hilger** [Eas82]. **ADAMO** [KPST89, QTZ⁺87]. **Adams** [Moo84e]. **Adams-Gaunt** [Moo84e]. **adapt** [Jac85b, Jac85a]. **Adaptation** [CT84b, DM86a, GH84b, HBJ84, Hib84b, Hib84a, LT87, MRW84, Sax84b, Sax84a, SCF86, Deu84c, God84, Hub84f, Klo82, Klo84a, MW84a, MW84b, MW84c, MT84b, Wil84a]. **Adaptations** [Ten84b, HA83, HA84a]. **Adapted** [FS84c, JT84b, BTS84a, IB87, JT83, NA84, PZCC89, Sax84c, Ská81, Ská84]. **Adaptive** [Fri88, MN80, WMN85, Lew82, Lew84a]. **Adaptive-grid** [WMN85]. **addendum** [Blo82b]. **addressable** [KC81b, KC84a, Köb89]. **adiabatic** [BMV83, BMV84, Hen84, Joh88, NW84, ONP89, WW84b]. **adjoint** [AMC83, AMC84]. **adjuster** [Han84f]. **adsorbates** [SP86]. **adsorbed** [SP87]. **advanced** [Vie88]. **advances** [Van81b]. **advantages** [HW84a]. **adverse** [LM84]. **afterglows** [LNS84]. **Aftran** [CRV⁺89]. **aggregation** [SM86]. **aid** [DRD88, FC84b]. **aided** [JB80, Vie88]. **air** [GHO⁺89, Goo84]. **Airy** [Moo81b, Moo84b]. **Akima** [DU89]. **Alacant** [Abr88]. **ALAM** [Mor80, Mor84d]. **albedo** [Moh89]. **ALEPH** [CMH87, CGMS89, DFOP89, Kel87, QTZ⁺87]. **Alfven** [WBG84, Ter88]. **Algebra** [Har89, DVD87, FOW87, IKRT89, Eas89]. **Algebraic** [Stu88, YP89, AT84, BO80, FE88, KRSV82, KP81b, Pro82b, Pro82a, Pro84, SC89, III88, YP88]. **algebraically** [CW80, CW84a]. **algebras** [CT89, Ran86, Ran87a, RWZ87, Ran87b]. **Algol** [Jab84, KPPR84, SMD84].

Algorithm
[CM84a, Moo80, Moo84c, AB86, BTWN87, BM82b, BM82c, BM84a, Bar81a, BB84c, BVL84, BLR82, BLR84, BMK89, BH89, Can81, CSC89, CGGK85, CAP86b, Cli82, CM83, CMM84, CM84e, Das83, DM87, FS85a, FS85b, HDK84, HP83, HP84, Hel82, JSB82, KN86, Klu84b, KRSV82, KM85, Mag81, MF81, MMS87, MHP84, MKRJ89, NFH⁺88, Nex89, Par89b, SSM85, SCC⁺88, SM85f, SM86, TB85, Tho04b, TBG80, Ver82, Wan87, WMH82, Wie86b].

Algorithms [Cha84a, GLC89, LBY86, Nes84, Sal87, WH81, BES82, BMBW85, CO84, Cla82a, Dru83, Eas87b, FR82, Hau87, Hoc82, Kra86a, MMBW88, MMM85, MN84a, McC89, Reg81, Sam85, Sco89, Tou89, Ves89, WH85, Wil88, WSV88, Eas82]. **aligned** [RSL⁺84]. **alkali** [Moo84h]. **alkali-like** [Moo84h]. **all-purpose** [vM84a]. **alliant** [Par89b]. **Allison** [Moh80, Moh84]. **allocation** [Dob85, Mat87]. **Allowed** [Hub84a]. **allowing** [KS86b, KK84b]. **alloys** [BP84c, Isl81, Isl84a]. **along** [CCR88]. **Alpha** [PIM82, PIM84a, SDH84]. **Alpha-decay** [PIM82, PIM84a]. **alternating** [TDS81, TDS84]. **ambiguous** [Bas87b]. **AMDS** [HS84]. **Amending** [Cre84c, Cre80b]. **amorphous** [WW84b]. **amount** [BLMU81, TTT87]. **amplification** [RS84a]. **amplitude** [BWBL88, BB84b, Bas87a, FBW82]. **Amplitudes** [BS83, BS84a, Moo84h, AMK81, AMK84, Bar83, Bar84e, GPS84, KKS87, Pia84, PS84b, PP85, Tak85a]. **AMPTE** [BBH⁺88]. **Amsterdam** [Bra86, Tru88, Her82b]. **analogue** [BGMM81]. **analyser** [CHMM84]. **analysing** [CSC⁺86, KEMP81, KE84b, KEMP84, KE84a, Puf83, Puf84, RA82, RA84, VDM84b, War84]. **Analysis** [ASM80, ASM84, BB84a, BCM84a, Cot87, Eas87a, Gri87, HEL84, IA84, Nur85, RW86, Sal84b, AI88, AK84, AWG84, BLMU81, BSK88, BES82, BPA84, Ber87c, BR85, BBC⁺87, BE89, BCVZ89, Bur87, CKT89, CT84a, CH84c, DG89, De 84a, Dun87, EHH88, FP89, Gal84, GV87, Gir81, Gre88, Hla86, Hoe89, IA80, Irv82, JR84, KN86, Ken89b, KLG85, KK85, KB86a, KN84a, KAR81, KAR84b, Lis84, MGD81, Mur88, NM84, PS84c, RM89, Sch82a, Sea84a, Sko89, Szé85, TAK⁺85b, Ver82, Via87, Vie88, WW84a, WW84c, WV80, WV84, Zlo84b, vM84d, vM84e, vM84b]. **Analytic** [BOT86, Bou87, CN84, BCM83b, BCM84b, CC84, Goo84, MP81b, MP84b, Sea82, Sea84c, Tro84, Lab84c]. **Analytical** [Ger80, Nes88, YB86, MN84b]. **analyze** [Eks84, Ver83, Ver84a, WC85]. **analyzing** [FMS87]. **and/or** [TS89]. **angle** [BDK86c, BKD83, BKD84, Deu84a, Deu84b, Deu84c, Deu84d, WML⁺82]. **Angular** [SAC87, SB82, Tam84, AB83, BRTB84, BRT84, BGMP84, BC83a, BC84a, Bra87a, CW80, CDW82, CW84a, CDW84, Eks84, Gra84b, Gra84c, Hib84b, Hib84a, Hib84d, Hib84e, Hub84a, KEMP81, KEMP84, Lab84b, Lan84b, Rao81, RV84, RRC89, RSL⁺84, SS84b, SDH84, TTW84a, TTW84b, Tak85a, TC87, VVM84, Wie85]. **anharmonic** [ST84b]. **animals** [RL80]. **anisotropic** [Cap86a, LB84, Pet84]. **anisotropy** [Nor82, Nor84b]. **Anna** [AK84]. **annealing** [SNH⁺88]. **annihilation** [Câm82, Câm84g, DLB83, DLB84, FGK89, Odo81, Odo84c, Rit84b]. **annihilations** [ANP⁺85]. **Announcement** [Ano80a, Ano82b, Ano82c, Ano83a, Ano84a, Ano84b, Ano85a, Ano87a, Ano88a, Ano88b, Ano80s]. **Answer** [Pag87]. **antenna** [FM84]. **anti** [LBY86, YB86]. **anti-stokes** [LBY86, YB86]. **anticommuting** [HD89]. **antigenic** [Fra83a, Fra84b]. **any** [Jud87, Ten84b]. **AP120B** [ASS82]. **APE** [Ano87b, Ano89x]. **APE-100** [Ano89x]. **Application** [AWB82, AB88, BO80, CL84, CH87, FC84a, Gad80, GR81, LBY86, She84,

WML⁺82, ASS82, Ano87c, BM85a, BS86b, Cha82, Cha84c, Dob89, Kat84, Nav89, Oya86, PPHS86, SFB87, SBFI87, Sko89, Tou89, Zal88]. **Applications** [BM86, BCMR87, Ben88, Buz85, Jac81, KB86a, Kos80, NO89, SG82, Ber87a, BBC⁺89, CDN⁺87, Dag82, Gro89b, KK85, LCS84, PD89, PFGP82, Poh87a, Rea89, Sch88b, Sch88c, SM85a, Sne85, Whi89a, WMCH84, Zlá80, Art85a]. **applied** [AHVV86, RRG88, Ruf85, TSD84, WC85]. **approach** [AO88, BCF⁺89, But89, CH84c, EP86, Fie80, GB87, HLM⁺87, Jam88, KS84a, KS87a, KK83a, ML81, Phi86, SMT88, Vaj82]. **approaches** [PT82]. **approx** [Eas84a]. **approxiamtion** [CM81a]. **approximants** [GMR84a, GMR84b, Sta84]. **Approximate** [WL84, BKvLSE80, BKvLSE84]. **Approximation** [Jab84, Lab84d, Bin87, Bok84, BW87, CR84a, CC89b, CM84c, DO84, FAK82, GPS84, Hen84, Jak84, JA80, JA84, LZ84, MC84a, MCA87, NHK82, NK84, PPHS86, Pia84, PS84b, TCR84, WSV88, ZL84, Zlo89]. **approximations** [DNR83, DNR84, GWL89, Lab84c, ONP89, Sea84b]. **APU** [MTN⁺82]. **Aqueous** [Laa86]. **arbitrarily** [Car84a]. **Arbitrary** [Sha84, Cap86a, DSK83, DSK84b, Deu84c, Deu84d, GT83, GT84, Hub84d, IKRT89, KS87a, Rys87, SS84b, VPB82, VPB84, WwYpCg88]. **Architectural** [Sch82a, JMS⁺89, Nic89]. **Architecture** [Eas82, BMBW85, HBF⁺85, Hey88, Jes85, Sli89]. **architectures** [Blo82a, Blo82b, BC88b, Gai89, Hal88, LK89, McC89, Sco89, TA89]. **archival** [TVD87]. **archive** [RHM⁺89]. **arcs** [FCW84, NF83, NF84, SF84a, ZNF87]. **Area** [Ger88, BCC⁺89, CM88, Flu89, ST84d]. **argument** [AM84b, AM84c, AM84e, BD80a, BD84a, Cam81, Cam84a, Cam84b, Di 86, Jak84, Köl84c, KB86b, TB87, Tho04a]. **arguments** [Bar82, Bar84b, Mas83, Moo81b, Moo84b, TB85, Tho04b]. **ARGUS** [TTT84]. **ARGUS-V4** [TTT84]. **Ariadne** [CC89a]. **Ariadne-88** [CC89a]. **arising** [AS83, And83b, And83a, AS84, And84b, And84a, AKS88a, AKS88b, Jes84, KA87, SA83, SA84, ST82b, ST84f]. **arithmetic** [Rys87]. **AROVMI** [AF84a, AF84b]. **Array** [Jes87, Par83, Ano87b, Bai87, CNRS82, Gro87, Gro89a, HAG⁺89, JSB82, Jes85, KSG82, Män89, Nas84, Rap85, RW85, Sch82a, SM85a, Vis84a, CRV⁺89]. **arrays** [ACC⁺86, GH87, HRW85, Hey88, Hey89, Vis84b]. **Art** [Gri87]. **articles** [Van89]. **Artificial** [BE89, BD84d]. **Asilomar** [Nas87a, Ano87d, Wic87]. **aspects** [Sch86b]. **assemblers** [Tar86]. **assignments** [SDH84]. **assistance** [BR85]. **assisted** [AWG84]. **Associated** [Bra84a, ABG⁺81a, AGF87, Del84a, YP88, YP89]. **Association** [SCF86, LH88]. **associations** [Fra83b, Fra84a]. **associative** [Par89a]. **assurance** [DP89, Sch88b, Sch88c]. **astronomical** [BS84c, MD82, RHM⁺89]. **astronomy** [Jas84]. **astrophysical** [Ben88, Dor86, Har81, Har84a]. **astrophysics** [Jam82, Rob87b]. **ASYM** [TCS85]. **asymmetric** [And83b, And84b, AKS88a, AKS88b, JT83, JT84a, JT84b, KA87, Sea84a, SA83, SA84, WMN85]. **asymmetrical** [DM89a]. **asymmetry** [DG84, PI84, TCS85]. **Asymptotic**

[KS84d, Nor84a, Chi84a, Cre80a, Cre84a, CSBB82, CSBB84, NN84].
asynchronous [BES82]. **Asypck** [Cre84a, Cre80a, Cre81, Cre84b].
ASYPCK2 [Cre81, Cre84b]. **asyrot** [Jud87]. **ASYTOP** [Sea84a]. **Athene**
[CRPL81, CRL84, CRPL84]. **atmospheres** [Hub88]. **Atom**
[NM84, AT84, AV84, Bar83, Bar84e, BGS81, BGS84c, Bil84, CSW84, Nov87,
ONP89, Rin84, Sal82, Sal84e, ST84e, VČ88, Yat84]. **atom-diatom**
[Bil84, Nov87, ONP89]. **ATOMDIAT** [Ten83, Ten84a, Ten84b]. **Atomdiat2**
[Ten84b]. **Atomic** [BT82, CT82, MR84b, AGF87, Arn84b, BS83, BS84a,
BBC⁺84, BBL⁺84, Bla84, CCR84a, CLS⁺84, DSK84a, DHN84, DH84a,
DWVH89, DGJ⁺89, FKM⁺87, GPS84, GMN⁺80, GMN⁺84, Gra84b, Gra84c,
HRS81, HRS84, Hib84b, Hib84a, Hib84d, Hib84e, HS84, HSB⁺84, HKS83,
HKS84, Kat84, KKLP84, Kla84, Lab84a, Lab84b, Lew84c, LHP87, MRC85,
MEB88, Moo84h, Nob80, Nob84, Pia84, PS84b, PP85, Poo83, RFSG84a,
SS89, ST82a, ST84c, STN89, Tal89, TW89a, WB84]. **atoms** [Aur84a, Aur84b,
BBH⁺84, BZ84, CCR84b, EA83, EA84, Kar80, Kar84a, Lew84d, LCW84,
LZ84, Mal84, MBW89, Nus84, Sil84a, Sil84b, WS80, Wil84c, ZL84].
Attached [Bur85b, Dit89, Hoe89, PP82]. **Auger** [FV82, Rid82, Rid84b].
Auger-transitions [Rid82, Rid84b]. **August** [Bra86]. **auroral** [CCR88].
Austria [Kil80]. **Author**
[Ano80b, Ano80c, Ano81a, Ano81b, Ano81c, Ano81d, Ano82d, Ano82e,
Ano82f, Ano83b, Ano83c, Ano83d, Ano84c, Ano84d, Ano84e, Ano84f, Ano85b,
Ano85c, Ano85d, Ano85e, Ano86a, Ano86b, Ano86c, Ano86d, Ano87e,
Ano87f, Ano87g, Ano87h, Ano87i, Ano88c, Ano88d, Ano88e, Ano88f, Ano89b,
Ano89c, Ano89d, Ano89e, Ano89f, Ano89g]. **authors**
[Ano80g, Ano82i, Ano86f]. **automata** [Den88, Suc87]. **automated** [Car84a].
Automatic [BLMU81, BF89, KKS87, LT87, Pie82, Pie84a, Pis84a, CM84d,
Moh80, Moh84, NP84, Rap83, Zlo82, Zlo84a, vM84d, Gro89b]. **automation**
[KKLS82]. **Autonomous** [Sch86d]. **auxiliary** [EMR84]. **available**
[And86, SCF86]. **AVANTI** [HL88]. **averaged** [Ver89]. **Averaging** [Cha80].
axial [PI84, dBM82, dBM84]. **axially** [Cam84f, CDN⁺87, DEW84, ZC84].
Axisymmetric [KJ84, KW84b, Rob87b, Shu87, BHM81, Cap86a, CO86,
DM86b, Goe84, GPS⁺81, HP83, HP84, KS84g, KS84h, MGD81, PT86,
TAK⁺85b, TW89b, TBG80]. **axisymmetrical** [Ugn80].

B [Eas84b, Taj86, Cha82]. **B-spline** [Cha82]. **Back** [Vio84]. **Bäcklund**
[FK86a]. **backward** [CL84, MT84b]. **Bag**
[CM84f, CM81b, CH84d, HGW86, Sal83b, Sal84f]. **Balanced** [PD89].
BALDUR [Red88, SPM⁺88]. **ballooning** [TT89]. **balloonings** [GR81].
bamjet [Rit84a]. **Band** [Gru84a, MV81, MV83, MV84a, MV84b, De 84b,
Gal81, Hof84b, HM84c, HM84d, HM84e, Sal83a, Sal84d]. **banded** [CKA89].
bands [BR85, HRB84, MW84a, MW84b, MW84c, WC84, Wil84a]. **bank**
[Tau84a]. **barbara** [SS84b, SMD84]. **Bardeen** [MVV83, MVV84]. **barrier**
[MR80, MR84a]. **barriers** [Jam86b, Sch82a]. **baryon** [HR84a]. **base**
[Ber84a, Eld84, Gau84b, Gau84c, Gli84, Put89, Rob84f, Ros84a, Ros84b,

SN84, SG89, Bel84b]. **based**
 [AO88, BD80b, BD81, BD84c, BKK86, BCF⁺89, Cam86, FV81, Hla80, Hla84, Hof84a, HLM⁺87, Joh89, KKLS82, KH89, KBMV86, Kon84, KRS83, Mat84, Mik86, RHM⁺89, Ska82, Stu85, VM89, WBG84, WSV88]. **bases**
 [Fia84, Gau81, Har84b, Kat84, McI84, MPS84, Mee84]. **Basic**
 [Dew82, CW84b]. **basis**
 [AT84, DU89, Hay89a, Kar80, Kar84a, KS84a, Kol81a, Kol84a, MG84, MV81, MV84a, Poo83, Ran87b, ST84e, Tau84a, Ten85]. **bcc** [DM89b]. **BCH**
 [CGGK85]. **be** [BM82a, De 84c]. **Beam** [Mae88, ACR88, ABD82, ABD84, DLB83, DLB84, IL84, MT81, MMF81, OM88, Rit86, Ryn82, Ryn84].
beam-beam [Rit86]. **beam-foil** [IL84]. **Beam-plasma** [Mae88]. **Belfast**
 [HSB⁺84]. **below** [AGH⁺88, HR86a, HR86b]. **Benchmark** [CRH⁺89].
Beniaminy [FV81]. **Berlin** [Eas84a, Eas89, Fin87, Man86, Sch86a, Sta87b].
Berlin-Heidelberg- [Eas84a]. **Bernoulli** [Di 87]. **BESM** [Car80]. **BESM-6**
 [Car80]. **Bessel** [Tho04a, AM84b, AM84c, AM84e, Bar81a, Bar82, Bar84b, Cam81, Cam84c, Cam84a, Cam84b, Can81, Col80a, Col84a, Del84b, KB86b, Mas83, Nes84, Pie82, Pie84a, RC87, SZ84, Tal83, Tal84c, TB87]. **beta**
 [GTG81, GTG84, GTM85, GTMA88, GKM⁺81]. **beta-gamma** [GTMA88].
betatron [AB88]. **Bethe** [BW87]. **Betrt** [BW87]. **Better** [DM86a].
between [BGMP84, DK87b, DEW84, DF84, Dya86, FT84a, Gia84, Jam84, Mal84, NAS87b, Ras80b, Ras84b, Sch87b, Ten85, Ter88]. **Beyond** [Gam89].
Bhabha [KKT⁺88, TS89]. **biconjugate** [CKA89, KA87]. **bicubic** [CM84b].
biharmonic [Hou87]. **Bilinear** [Ito88]. **Bin** [ASM84, ASM80]. **binary**
 [BP84c, Gol84a, Isl81, Isl84a, Joh85, MEB88, OM83, OM84, PD89]. **binding**
 [Cug84]. **biological** [CNRS82]. **Biophysical** [Ber87a]. **Birdsall** [Taj86].
Birkhoff [ST84d]. **bit** [BBE⁺81, VGD⁺89]. **bivariate** [DU89]. **black**
 [PNO89]. **Bloch** [MN80]. **Block**
 [FM85, KP89, KWPP89, MP81a, MP84a, Nex89, Sun88]. **blocked**
 [Gru80, Gru84b]. **BNDPKG** [WC84]. **BNL** [Sau85]. **Board**
 [Ano81m, Ano81n, Ano82p, Ano82q, Ano82r, Ano82s, Ano83i, Ano83j, Ano84m, Ano84n, Ano84o, Ano84p, Ano85l, Ano85m, Ano85n, Ano86p, Ano86q, Ano86r, Ano86s, Ano86t, Ano87q, Ano87r, Ano87s, Ano87t, Ano88q, Ano88r, Ano88s, Ano88t, Ano89o, Ano89p, Ano89q, Ano89r, Ano89s, Ano80k, Ano80l, Ano81l].
Bochum [PF86]. **bodies** [DM89a]. **body**
 [AMK81, AMK84, Ass84, Bas87a, Bra84c, Bra84b, CM85, CgYpXh85, DW89, EEV89, Gir81, HIM84, Her88a, Man87a, MBW89, Mue84, Mur88, Rap85, Sil84a, Sil84b, WwYpCg88, WS80, Wil84c, YpMzCeCg85, YFL87].
body-centered [CM85]. **Boeing** [LP89]. **Boltz** [TSD84]. **Boltzmann**
 [Das89, RG80, RG84, WW80]. **Boltzmann-equation** [WW80].
bombardment [DM86a, MRW84, MM84a]. **bond** [FH88a, NW84, WW84b].
bond-mode [FH88a]. **Book** [And86, Ano89h, Art85a, Art85b, Bra86, Duc86, Eas80, Eas82, Eas84b, Eas84a, Eas89, Fin87, Gri87, Jes87, Lis88, Man86, Nad86a, Rob85, Sch86a, Sta87b, Taj86]. **Boreas** [Ods84]. **born**
 [DO84, NK84, TCR84]. **bosons** [LO86]. **Boston** [Duc86]. **both** [Nai86].

Bound [DHD84, Le 89, LR84a, Bat84, DW88, DeV84, FGSH85, Fie80, HDK84, HKT85, Kar80, Kar84a, KP85, LW84b, LT87, SS84c, SS84d, Smi84c]. **bound-bound** [Kar80, Kar84a]. **bound-state** [Fie80]. **boundaries** [BKD83, BKD84]. **boundary** [AP80, Bun86, CR84a, Cam84f, CM81b, CM84f, DM89a, HvRM86, Hoe86b, Hof88, MP81a, MP84a, O'C84a, VM89]. **boundary-layer** [AP80]. **Bounding** [BT81]. **box** [PNO89]. **brackets** [CgYpXh85, Dob84, FT84b, LJ84, SG84c, WwYpCg88]. **brain** [Vir89]. **branch** [HDK84]. **branch-and-bound** [HDK84]. **Branches** [EBS88]. **Braunschweig** [And86]. **Breit** [BGMP84, MGN80, MGN84, ST82a, ST84c, TN84]. **Bremsstrahlung** [BRTB84, BRT84, Ber80, DLB83, DLB84, GH83, GH84a, MC85, Odo84a, Odo84d]. **Bringing** [Boc89]. **Bristol** [Duc86, Eas82]. **broad** [Gal81]. **broadened** [KM86]. **Brody** [LJ84]. **Brownian** [SM86]. **Brussels** [Van81a]. **bubble** [BSP84, BD84d, BdCP81]. **bubbles** [Bor89]. **bulk** [Mor84a]. **bunch** [ABD82, ABD84]. **bus** [HGJ+89].

C [Ano89h, Eas80, Eas82, Taj86, Bai86]. **C.-Y** [Eas80]. **Cabannes** [Eas84b]. **caesium** [ÖW84]. **Calcomp** [CA84]. **calculate** [All84a, BCFK85, Bar83, Bar84e, BGMP84, BBC+84, BBL+84, BTS84a, Bru85, Bru86, Bur84, Car89, CgYpXh85, De 84c, DLB83, DLB84, DHN84, DS83, DS84a, DH84a, Duf84, DO84, Dya86, EM84a, EM84b, FS84b, GTG81, GTG84, God84, Gra84b, Gra84c, HBJ84, HRS81, HRS84, Hib84b, Hib84a, Hib84c, Hib84e, JT84a, JA80, JA84, Jam84, KF84, Klo82, Klo84a, Klo84b, Lad86, LO86, LHP87, MLL86, Mar89c, MGN80, MGN84, MT84b, NA84, Odo82, Odo84b, PV84, Ran86, Ran87a, RBHW84, Sal82, Sal84e, San82, San84, SM84a, ST82a, ST84c, Ste84c, TSD84, YpMzCeCg85, YFL87]. **calculated** [Hen84]. **calculating** [BKvLSE80, BKvLSE84, BRTB84, BRT84, Bat84, Bor82, Bor84, BTS84b, BT84b, CDW82, CDW84, Cre80a, Cre84a, DK87a, DK87b, DSK83, DSK84b, FT84a, FE88, Gia84, Gru84d, HP83, HP84, Hib84d, Hof84b, Hof84a, HRB84, Hub88, Isl81, Isl84a, Isl84b, Kam86, KM84a, KM82, KM84b, Le 89, LBY86, MRCL84, MG84, MW84a, MW84b, MW84c, May81, May84, MS84, MKS83, MKS84, MT84a, OTB80, OTB84, PM80, PM84a, PGB84, RR84, Ras80b, Ras84b, RSL+84, SAC87, Sei84, Tak85a, Tal84b, Tal83, Tal84c, Ten83, Ten84a, Vaz81, Vaz84, VPB82, VPB84, Wil84a, Yat84]. **Calculation** [AP82, AP84, BB84b, Bla84, BM84b, DR85, DPH82, DPH84, EBS88, EMR84, GMR84a, Har81, Har84a, HPT80, JP84a, KM84c, LLC84, MS85, MRW84, Mik84, Nog83, OM83, OM84, PS84a, PT84, PS84b, Pie84b, Pre84a, RFSG84a, RG86, SP86, SP87, Sal84c, SS84a, SB82, TK84, TK80, WwYpCg88, WV80, WV84, ZNO88, ZC84, All84b, ACR88, And84c, BSK88, BMR85a, BAG+87, Bie83, Bie84, Bin87, CWS83, CWS84, CC89a, CM88, CD86, CLS+84, Co082, Co084a, Cop81, Cop84a, Cop84d, Cop84c, Cop84b, CVvWF86, DL87, Eld84, ENSC86, FV86, FHMR84, FFH84, FK84, Fer84, GPS84, Gel85, GMR84b, Han84c, Han84e, HMS84, HR87, HK81, HK83,

HK84a, HK84b, IFI84, JBWW86, Jam86b, Kac84, KS86b, MS87a, MR80, MR84a, Mar84a, MZM⁺82, MZM⁺84]. **calculation** [Mor80, Mor84d, Nai84, Nai86, Nex89, NN84, NKS88, Pia84, Pic89, PP85, RFSG84b, RM89, RS83, RS84d, RS84e, RS84f, She84, Sta84, SW80b, SW84, SMT88, Ten85, Ten86, TC87, TM89, VSP86, WC84, WGM83, WGM84, ZDN84, vdB84].

Calculations [Dob84, Ede84, FT84b, LB82b, SG82, ST89b, AT84, AFH84, AF84a, AF84b, AXG87, AAH84, Aue84, BM82a, BM82b, BM82c, BCM83a, BM84a, BZ84, BDK86b, BDK86c, BT82, BES⁺87, Bet84, BT84a, BP84d, CC89b, CRH⁺89, Cio89, CB88, CM83, CM84e, DVD87, Del85, Des84a, Duc80, EP86, FKU⁺84, FB84, Fle81, Fri88, Ger80, GLST89, Han84a, HD89, HA82, HA83, HA84b, HA84a, HvRM86, HSV84, IKRT89, ITR⁺87, Jad84, Jam87, Kas82, Ken89a, KP81b, KPP⁺89, LLA⁺89, LM81, LCS84, Lux80, MMBW88, MV81, MV83, MV84a, MV84b, MGM87, MBW89, MPIM86, MB83, MB84, MR87, Net84, OCS86, Pon81, Poo83, Ric82, Ric84, Rys87, SW80a, Ská81, Ská84, SK86, TTAT81, TUB83, TUB84, TL84, TBB87, WB88, Wro82, Wro84, Zwa85, vdM84a]. **Calculus** [Har89]. **calibration** [BO80, BG81, Dob89]. **call** [Ano84b]. **calorimeter** [BGGW⁺89, KPST89].

CAMAC [Ska82]. **Cambridge** [Bel84b]. **Can** [BM82a, BGMM81]. **canonical** [Kra86a, Ran87b, III88, SM85c]. **Canterbury** [GMR84a]. **capture** [AGF87, BGS81, BGS83, BGS84c, BGS84a, BGS84b]. **carbon** [RS83, RS84d, ZR89]. **card** [Cre80b, Cre84c]. **cards** [Fem84]. **Carla** [SM84a].

Carlo [AS89, ANP⁺85, AM81, AMC83, AM84d, AMC84, BM82a, BM82b, BM82c, BMR84, BM84a, Ben84b, BI85, BS87, BKJ83, BKJ84, BDK86a, BDK86b, BDK86c, BLR82, BLR84, CMR86, CFG⁺88, CM85, CGGK85, Cha85, CGG87, Chr84b, CMS83, CMS84, Cop81, Cop84a, Cop84d, Cop84c, Cop84b, CVvWF86, CGB⁺89, CM83, CM84e, DMM84a, DLB83, DLB84, Dec89, Del85, DM87, DMM83, DMM84b, DKA85, DS84b, DD86, EMM81, EA83, EA84, Fer89, FS85b, GTM87, GHO⁺89, Gup88a, HR84a, HR86a, HR86b, HP83, HP84, HMT084, IW87, Ing87, Jad84, JW85, Kas84, Kaw86, KVW84, KSE86, LM81, Lux80, MMS87, Mar89a, Mar89b, Miu87, MGM87, MB83, MB84, MT86, Mor84e, NFH⁺88, NAS87b, Odo81, Odo82, Odo84a, Odo84b, Odo84c, Odo84d, RR84, RSS85, RL80, Rit84a, Rit84b]. **Carlo** [RS83, RS84d, Ryn82, Ryn84, SMMP86, Sal85, San82, San84, Sjö82, Sjö83, Sjö84b, Sjö84a, Sjö86, SB87, Tat80, TKS⁺85, Tou89, VH87, Voh88, Vrb89, Wan87, YMW89, ZHR81]. **Cars** [SLH84, YB86]. **Cartan** [ADO83, ADO84b]. **cascade** [AV84, Miu87]. **cascades** [RR84, SV84]. **case** [GPS84, PS84b, ST89a]. **cases** [Red88]. **Casimir** [Bos83, Bos84]. **Castor** [CW84c]. **casual** [Pag87]. **cavities** [PJ89]. **cavity** [Kon84, MMF81, MPM83, MPM84]. **CCD** [AN88]. **CCDEF** [FNDL89].

CCFUS [DL87]. **CDC** [BM82b, BM82c, BCM83a, BM84a, BM86, BSDM88, Com80a, Com80b, Com84, CMO86, HRL84, KW84a, LS84]. **CDF** [CHS87, QAD⁺89, Sli89]. **CdS** [JB80]. **CEAN** [IA86]. **CELESTE** [SG83, SG84b]. **celestial** [SG83, SG84b]. **cell** [BKR88, BLB88, FR84, GDK89, JP84a, MRT89]. **CELLO** [Beh81].

CELLO-experiment [Beh81]. **cells** [JB80]. **Cellular** [Suc87, Den88].
center [Dit89, Ebe84, GTL⁺86, HB85, Yur84, HB85]. **centered** [CM85].
centers [Bra87b, Pou88b]. **Central** [Dru83, BGG⁺89, MN84a, Nic89, Zac81].
centralized [BCC⁺89]. **centre**
 [CDN⁺87, GRRP83, GRRP84, Jun81, Jun84, MLL86, Rea84, Ste84d].
centrifugal [SAC87]. **centroids** [DK87b]. **CERN**
 [BBE⁺81, BvEF85, CFG⁺87, DGK⁺81, Jac81]. **certain** [DVD87]. **CFASYM**
 [NN84]. **CFP** [Bra84e]. **CFPJJ** [Gra84a]. **CFRX** [HWL89]. **CG** [PZCC89].
CGM [Osl88]. **CH** [LH88]. **chain** [Kra86a, YP88, YP89]. **challenge**
 [Sch87a]. **challenges** [Her89]. **chamber**
 [AN88, BLMU81, BO80, BSP84, BD84d, BdCP81, Dob89, GM89, VKM⁺82].
chambers [GDH⁺89, Per89, TCS85]. **change** [Fem84, Rus87]. **changes**
 [MEB88]. **channel**
 [DL87, DP88, DRRvB82, FNDL89, HT88, HLS84, NK84, SDH84].
channel-spin-1 [SDH84]. **channel-spin-1/2** [SDH84]. **channels** [RSA84].
Characteristics [DR85, DLB83, DLB84, Mir84]. **Characterization** [Hoc82].
characters [EC84]. **charge** [DE84, Jun81, Jun84, KLS⁺89, Mal84, MT86,
 Mor80, Mor84d, NW84, Nob80, Nob84, PIM80, PIM84b, SS89, SNC80,
 SNC84, TDS81, TDS84, WW84b, vdB84]. **charge-exchange** [vdB84].
charged [CJ84]. **Chebyshev** [CWS83, CWS84, CM81a, CM84c, DNR83,
 DNR84, Del84a, Del84b, DM88a, Nex80b]. **Checking**
 [Woo85, Hib84a, Sax84a]. **checks** [NM84]. **chemical** [BvSW84, Eck84, Fia84,
 GG89, ITR⁺87, OBLR84, Rob84d, Rob84e, Rob84f, SAC87]. **chemically**
 [HH82]. **chemist** [BvSW84]. **Chemistry**
 [SG82, BMV83, BMV84, DK82, SWHB88]. **CHEP** [Ano87d, Ano89-27].
Cherenkov [Män89]. **Chichester** [Jes87]. **Chirikov** [CM88]. **chloride**
 [ÖW84]. **Choice** [Fin86]. **choices** [JMS⁺89]. **Cholesky** [KPP81, KPP84b].
Chow [Eas80]. **CHPACK** [DNR83, DNR84]. **chromodynamics** [NFH⁺88].
CINDY [SR84a]. **circle** [CO84]. **circuit** [KK85, LJN85]. **circular**
 [HP83, HP84]. **CIV3** [GH84b, Hib84c]. **CI** [SAC87]. **Clarendon**
 [Gri87, Nad86a]. **Class** [EBS88, CL84, De 88, DGPM85]. **classes**
 [ADO83, ADO84b]. **Classical**
 [BBH⁺84, BPW84a, BPW84b, BPW84c, FH88b, GH83, GH84a, Gup88a,
 KK83b, Lad86, Man87a, OM83, OM84, Sch87b]. **Classification**
 [Rid82, Rid84b, GSZ85]. **classify** [AI86]. **CLEBSCH** [RB84, SM84c].
CLEBSCH-GORDAN [RB84]. **CIH** [SAC87]. **Clifford** [Ber87b].
climatology [WB82]. **clipping** [BGMM81]. **close** [BES⁺87, LLA⁺89, Sar87].
close-coupling [BES⁺87, LLA⁺89]. **closed** [BZ84, CC89a, CW80, CW84a,
 CW84b, Lee82, Lee84, Ras80a, Ras84a, Sin84, Tro84]. **Cloth** [Art85a, Rob85].
clouds [BS84d, SL83, SL84]. **clouds-computation** [BS84d]. **cluster**
 [BH89, FAK82, HA82, HA84b, KM82, KM84b, Mue84, Mur88]. **cluster-core**
 [HA82, HA84b]. **Clustering** [You87, JSB82]. **Clusters**
 [BBE⁺81, Bun86, KM84c, SCC⁺88]. **CMS** [CHS87, McC87]. **CMZ**
 [BBR89b]. **CNDO** [CC89b]. **CNDO-like** [CC89b]. **CO**

[DST80, DST84a, DST84b, Mag84b, Rob80b, Rob84c, RS84a, RRG88]. **CO-N** [Rob84c]. **coarse** [BSA86, Dec89]. **coarse-mesh** [BSA86]. **coarse-to-fine** [Dec89]. **coaxial** [Ods80]. **Cochase** [HLS84]. **CODATA** [Lid84a]. **Code** [KK89, Aue84, BMR84, BSdlT87, BHM81, BSV⁺85, BLT81, Bor82, Bor84, Bor89, BBR89b, Buc83, Buc84, CMR86, CMPR88, CHS87, Cha85, CRPL81, CRL84, CRPL84, CW84c, CAR84b, CGMS89, CM86, CM81b, CH84d, CM84f, DL87, DP88, DTE84, DST80, DST84a, DST84b, DM89b, DH84b, DKA85, ETH84, ELS88, ET84, ERB88, Fem84, FB84, FNDL89, FSR84, GS89, GDK89, GA84, GTB⁺81, GTR⁺81, GTB⁺84, HR84a, HR86a, HR86b, HL88, HLS84, HL86, Hof88, HWL89, IGB⁺89, Kir87, Kon84, KLS⁺89, LWHH82, LWHH84, LK88, LM85, LNS84, Mac89a, MVV83, MVV84, Mar89b, MPM83, MPM84, MN84b, MGK86, MBOK86, MMO89, Miu87, MMR89, MPM85, MP89, NK84, PD89, PM80, PM83, PM84a, PM84b, RSMTV88, Red88, Rit84a, Rit84b, Rit86, Rob80b, Rob84c, RSA84, SM84a, SS81]. **code** [SG81, SSF⁺89, Shu87, SPM⁺88, SL83, SL84, Syk81, Tal82, Tal84b, Tal84a, TSD84, TW89b, TTM⁺80, Var89, Vaz81, Vaz84, WBG84, WB88, Wis87, vM84d]. **Codebase** [MP89]. **Codes** [DR82, HR87, Kil80, BES⁺87, BT88, DSK84a, GTL⁺86, HW84b, LLA⁺89, MTN⁺82, RBMC86, Rin84]. **coding** [CGG87, Wan87, ZHR81]. **Codnum** [Fem84]. **coefficient** [Bur84, RRC89]. **Coefficients** [Hub84b, AD84, All84c, AM84a, BSK88, BGMP84, Bie83, Bie84, CN84, Chi84b, DHN84, DW84, DH84a, FS84b, Gra84a, Gra84b, Gra84c, KS86a, Le 89, LB84, MRCL84, Mar89c, Nus84, Ogi83, Ogi84, PR84, PZCC89, Rao81, RV84, Rob84f, RSL⁺84, RB84, SM84c, SG84a, SMR87, SK86, SW80b, SW84, SF84b, Tam84, TSD84, VVM84, YpMzCeCg85, YFL87, Zoh84]. **coherent** [Cop81, Cop84b, LBY86, SDH84, YB86]. **coincidences** [Hla80, Hla84]. **coincident** [IA86]. **COJETS** [Odo84a]. **COLASE** [Rob80b, Rob84c]. **cold** [BS84d, FBW82, FM84, SAVV87, SR84b]. **Coleman** [IB87]. **collaboration** [BLMU81]. **collect** [vM84f]. **Collection** [FV82]. **collective** [Szy81]. **colliders** [Rit86]. **colliding** [MS84]. **Collision** [KM86, Sar84a, BKvLSE80, BKvLSE84, BT82, Cla84, CB88, Cre80a, Cre84a, CSW84, Das89, Gal84, HBJ84, Hof84a, Hub84c, Jam87, KS86b, MEB88, NM84, NA84, NN84, OS84, Sal84c, SK82, SK84, WW80, Yat84]. **collisional** [Nov87]. **collisions** [Arn84b, BBH⁺84, Bar83, Bar84e, BGS81, BGS83, BGS84c, BGS84a, BGS84b, BDK86b, Bil84, Bil87, BW87, FR86a, GDH⁺89, GPS84, Irv82, KVW84, MEB88, Nob80, Nob84, OM83, OM84, Par84, Pia84, PS84b]. **colloquial** [PT85]. **Collrad** [Tal84b]. **color** [CN87, Dun87, KR88]. **Colour** [Ano87j, BP84d]. **COLRAD** [LHP87]. **COLRAD-A** [LHP87]. **columns** [MCA87]. **combination** [Wil84b]. **combinatorial** [HR87]. **combined** [HMS84, KBMV86]. **Cometary** [IP88, MV88, SWHB88, SW80a]. **Comm** [Ran87a]. **Comment** [FV81, BD81, Jam88]. **Comments** [Gup88a, Mag81, MF81, MN84a, Sch86c, TT85]. **Commercial** [Kri89]. **commercially** [MP89]. **committee** [Ano84-86]. **Committees** [Ano80d, Ano81e, Ano82g, Ano82h, Ano86e, Ano88g, Ano89i, Ano88w].

common [Klu84b, CT89, GSS81]. **Commun** [KS08, Tho04a, Tho04b].
communications
 [ABLB⁺89, Cis87, Ano80e, Ano80g, Ano80f, Ano82i, Ano86f, Ano88h, Ano88i].
community [McC87]. **commutators** [DFD81, DFD84, SM85d]. **commute**
 [DFD81, DFD84]. **Compact** [TS84b, CMS83, CMS84, DM87, KKP82,
 KPH84, KKP84, Nas84, Rap81a, Vis84a]. **Compactified** [DR85].
comparative [Sta87a]. **compared** [CT84b]. **comparing** [ABMT84].
Comparison [FBS88, HVS87, IR85, KPP⁺89, PT82, AMB84, BES⁺87,
 KJ85, LLA⁺89, Whi89a]. **compatible** [BSK88, Bas88, Jud87]. **compilers**
 [CKV85]. **Complete**
 [BDK86b, BDK86c, Bas87a, Bas87b, Han84a, JP80, JP84b, Vaz81, Vaz84].
completeness [AI86]. **Complex** [BCM83b, BCM84b, TTW84a, AM84b,
 AM84c, BD80a, BD84a, BH85a, Cam81, Cam84a, Cam84b, De 84c, GS83,
 Jak84, KF84, KLS85, KB86a, Köl84c, KB86b, Man87b, Mas83, Moo81b,
 Moo84b, Nus84, SF84b, TTW84b, TR84, TB85, TB87, Tho04a, Tho04b].
complexity [Nas87a]. **complicated** [AB88, CWS83, CWS84]. **component**
 [O'C84a]. **composition** [MEB88]. **composer** [HR83b, HR84c]. **compound**
 [Fia84, HMS84, SM84a, SS84b, SMD84, SR84a, SDH84]. **compound-nuclear**
 [SDH84]. **compounds** [KN84c, KN84b, MV83, MV84b, NJ82, NJ84].
compressible [Bra87a, Cro88]. **Compton** [SS84d]. **Comput**
 [KS08, Ran87a, Tho04a, Tho04b]. **Computation**
 [BGS81, BGS83, BGS84c, BGS84a, BGS84b, Bos83, Bos84, BS84c, Cug84,
 Deu84b, Deu84d, Ege82, Ege84, HIM84, Hei84, Jun81, Jun84, Kno84, LJ84,
 LB84, Mal84, MSFR89, Rao81, Ros85, SS84b, SMD84, SR84a, SR84b, SM81a,
 SM84d, SM85b, AB88, BSdIT87, BS84d, Buc83, Buc84, CMR86, CGM89,
 Cli82, Cop81, Cop84b, DG84, DE84, DK82, FCW84, Gue89, Han84c, HC86,
 HSV84, Hub89, Key89, Klu84a, KMS88, KLS⁺89, KB86b, Lab84a, Len80,
 LU83, LU84, ML81, New86, NF83, NF84, Ost85, Pet84, Pie82, Pie84a, Pol88,
 Reg81, SMR87, Ste84b, VČ88, ZNF87, Zoh84]. **Computational**
 [Ano89h, Bra86, DGO83, Eri85, HW84a, Jes86, MPR80, Müll87, Nex80a,
 Sch86a, Sta87b, SAC⁺86, Wie86a, vD87b, And86, Ano81t, Ano84-87, DGL89,
 Eas80, Eas84b, GA84, Hey89, MN80, Nad86b, Nex80b, SMT88, Ano89h,
 Eas84a, Lis88, Sta87b]. **computations** [BPR⁺86, CCD85, Kla84, Lab84c,
 OCC80, OCC84, SG83, SG84b, TL89, YSHK85]. **compute**
 [Câm82, Câm84g, Chi84a, Chi84b, GTM85, GTM87, HC83, HC84, MM88b,
 STN89, Tal89, TBG80, WB84]. **Computed** [OS86, Klu84b]. **Computer**
 [AP89, Ano80e, AGG⁺82, Art85b, AWG84, BK84a, BR85, CT84a, Chr84a,
 CCS89, DBB84, Das89, FR81, Fre87, FOW87, Gro84, HB88, Kil80, KR81,
 Laa86, LB82b, Mak80, MMS86, MGTD84, PZCC89, Rap84, Taj86, WD84,
 WP84, Ano87b, AGF87, BB84a, Bas87a, Blo82a, Blo82b, Boc89, BPSB88,
 BA86, Bun86, BMBW85, Cha82, Cha84c, Cis87, CLS⁺84, DCC84, DL86,
 DSK83, DSK84b, DM87, Dit89, DRD88, Eas89, EM84a, EM84b, Eks84,
 Fer89, Fle81, Gel85, Ger80, Gio84, Gli84, GWTM83, HH82, Han84a, Han84b,
 Han84c, Han84e, Her89, Hoa89, HVS87, HMT084, HT84, Hub88, IKRT89,

ITR⁺87, IHS⁺88, JB80, JM82, Jud87, Kac84, Kas82, KKLS82, KP81b, LWHH82, LWHH84, Le 89, LJN85, Mir84, MC81, MC84b, Mye88, PR84, PM83, PM84b, RWK⁺85, RSMTV88, Rob87a]. **computer** [RD80, RD84, ST84d, Szé85, Tar86, Tol85, VM89, Vie88, VSH83, VH87, WMH82, WDM84, YSHK85, Zac81, Ano80g, Ano80f, Ano82i, Ano86f, Ano88h, Ano88i, Eas89, Fin87]. **computer-aided** [JB80, Vie88]. **Computer-algebra** [FOW87]. **Computer-assisted** [AWG84]. **computer-controlled** [BPSB88]. **computer-generated** [HB88]. **computer-graphics-based** [VM89]. **computer-simulated** [WDM84].

Computers
[EBS88, And86, And88, Bas88, BTS84a, Com80a, Com80b, Com84, CKV85, DTE84, Dic82, ETH84, Eas82, EA89, Fla82, Gen82, Hoc82, JMS⁺89, KC81a, KC81b, KC84a, KC84b, Kas82, LT85, MSC⁺88, Mat87, NA84, Nev82, OY80, Qua87, Sch89c, SSM85, Sch85c, TL82, Tru88, vdV89, vM84d]. **computes** [MMO89]. **Computing** [AN87, Ano81f, Ano88-27, AHS⁺86, Boc89, KLS85, New87, O'C84a, Szy81, Wil89, AHKM86, BD80a, BDM81, BDM84, BD84a, BDJ⁺89, Bra87b, Cam86, CGGK85, Dow82c, Goe84, Han84d, Joh87b, Köl81b, Köl84b, Köl84c, KR88, Lao84, LNB⁺88, Mac89a, MPM83, MPM84, Nag89, Nas89, Nic89, Pat82, RS81, RS84b, Sch87a, SNC80, SNC84, Sch84d, ST89a, Tel84, TV89, Tru88, Vio84, Wat89, Wic87, Wie86b, WH89, Zac81]. **concept** [Com80a, Com84, KC81a, KC84b]. **Concepts** [Tau85, Sch86b, Sch88b]. **Concluding** [Gen88]. **CONCON** [Buc83, Buc84]. **Concurrency** [PBKW85, ACSB85]. **Concurrent** [BBC⁺89, MMBW88, Cis87, FS85a]. **Conditional** [EBS88]. **conditioning** [DeG88]. **conditions** [BDK86c, Bun86, Cam84f, Kas82, LM84, MP81a, MP84a]. **Condon** [All84a, DK87b, TT82, TT84]. **conducting** [DM89a, VM89]. **conduction** [GH83, GH84a]. **conductivity** [EK86]. **Conference** [Boc89, Bra86, Gri87, Wic87, Ano82w, Ano87d, Ano89-27, Ano89a, Nas87a].

configuration
[BZ84, CDW82, CDW84, CLS⁺84, DK87c, FKM⁺87, Fro84a, Fro84b, Fro84c, Hib84a, Hib84c, HFG88, HWL89, KH89, Poo83, TBG80, TTL88, WH89]. **configurations** [BDD84, Cha84e, CO86, GPS⁺81, Hoe86a, Rid84a, TS89]. **Confined** [Sta87b, MKRJ89]. **confinement** [KP84, MPM83, MPM84]. **Conformal** [Goe81]. **confront** [BMG⁺85]. **conical** [Köl81b, Köl84b]. **conics** [CCR88]. **Conjugate** [GLC89, KPP81, OJK89, AKS88a, AKS88b, BMR85b, EA89, KJ85, KPP84a, KPP84b, Meu89, Oya86, Sun88]. **connected** [KS89, Rap84]. **connection** [AS89, CKT89]. **Connectionist** [TA89]. **Conserved** [IK85]. **considerations** [Lab84b]. **consistency** [NM84]. **consistent** [BLT81, CCR84b, Des84a, LCW84, SSS84, WB88]. **constant** [Han84f, ONP89, SNH⁺88]. **constants** [Bil84, Bil87, ENSC86, Gel85, JP84a]. **Constrained** [Sha87, Buc83, Buc84, LM81, Pro82b, Pro82a, Pro84]. **constraints** [HVS87, Zlo89]. **Construction** [SM81b, SM84e, SM85c, Bri86, Hla80, Hla84, HM84e]. **Consultant** [Kil80].

Contact [EFK85]. **contained** [AI88, BM84b, IA80, IA84]. **containing** [Jac85b, Jac85a, MR84b, Rob84f, WSV88]. **content** [Köb89, Rob84d].
Contents [Ano80i, Ano80j, Ano80h, Ano81h, Ano81i, Ano81j, Ano81k, Ano81g, Ano82m, Ano82n, Ano82o, Ano82j, Ano82k, Ano82l, Ano83e, Ano83f, Ano83g, Ano84i, Ano84j, Ano84k, Ano84l, Ano84g, Ano84h, Ano85h, Ano85i, Ano85j, Ano85k, Ano85f, Ano85g, Ano86j, Ano86k, Ano86l, Ano86m, Ano86g, Ano86h, Ano86i, Ano87k, Ano87l, Ano87m, Ano87n, Ano87o, Ano87p, Ano88m, Ano88n, Ano88o, Ano88p, Ano88j, Ano88k, Ano88l, Ano89l, Ano89m, Ano89n, Ano89j, Ano89k]. **CONTIN** [Pro82b, Pro84]. **continued** [Lee89, Nex84, TB85, Tho04b]. **continued-fraction** [TB85, Tho04b].
continuous [ABG⁺81a, CCR84a, CM81a, CM84c, CSC⁺86, Her82a, Her84b].
Continuum [AT84, AXG87, Bat84, BBC⁺84, BBL⁺84, BS84c, DF84, HRS81, HRS84, IR80, Le 89, ST82a, ST84c, TUB83, TUB84, TBB87].
contracted [Tau84a]. **contribute** [JMS⁺89]. **contribution** [AP82, AP84, Nog83, TBG80]. **contributions** [Mue84]. **contributors** [Ano82x, Ano85u, Ano88x, Ano88y]. **Control** [Gou88, And88, AGG⁺82, BCC⁺89, CR84d, CM84d, DGL89, DSSS86, FS82, FLM84, HRL84, LEF⁺89, Moh80, Moh84, Rap83, Rom81]. **controlled** [BPSB88, VKM⁺82]. **controllers** [Ska82]. **conventions** [HR83a].
Convergence [TTM⁺80, BBR89a, BT84a, Hub84f, Lan80]. **conversational** [HHK86]. **Conversion** [Gol84a, AHVV86, DHN84, DH84a, PR84, PS88, RD80, RD84]. **Converter** [Sal84a]. **converting** [Gro89b]. **convex** [AN87]. **convolution** [DM88a].
Cooling [Hoe86a]. **Cooper** [MVV83, MVV84]. **cooperation** [Lid84a].
coordinate [BP84d, De 84a, Moo83, Var89]. **Coordinates** [Eas87a, Har89, AL81, CH88, Cla82b, DW89, Dav81, Dav84, FH88a, Han84a, Hug84, KP84, MT81, MR84b]. **core** [Bat84, BZ84, CCR84a, Fre87, HA82, HA84b, HH84, Hir84, LS84, Moh89, Joh89]. **CORE-based** [Joh89]. **Coriolis** [HK81, HK83, HK84a, HK84b, Kac84]. **coronal** [Duf84]. **corrected** [EFES83]. **correction** [Deu84a, Deu84b, Deu84c, Deu84d, Han84b, KP89, PP85, Rud84, Ver82].
corrections [BKJ83, BKJ84, BDK86a, DHN84, FKM⁺87, JW85, MGN80, MGN84].
correctness [DK87c]. **corrector** [BP82a, BP82b, BP84a]. **correlated** [DKA85, WD84]. **correlating** [KS81, KS84b]. **Correlation** [BD87, DFD81, DFD84, HSV84, KS84a, KEMP81, KEMP84, MRCL84, RSL⁺84, WDM84].
correlations [AB83, CMS83, CMS84, Eks84, HD88, JR84]. **correlator** [KMS88, Män89]. **corresponding** [Sch84a]. **cosmic** [MMR89]. **cost** [JHRR87, Mye89]. **Costs** [CNRS82]. **COULCC** [Tho04b, TB85]. **Could** [JMS⁺89]. **COULFG** [Bar82, Bar84b]. **COULN** [NT84]. **Coulomb** [Tho04b, BDG⁺84, Bar81a, Bar81b, Bar82, Bar84b, BFG84, Bar84c, Bar84d, BS80, BS84b, BH88, DF84, FB84, HKT85, LJLC84, LT87, MC85, MKS83, MKS84, Nes84, Nes88, NT84, Pia84, Pol88, RSA84, SS84a, Sea82, Sea84b, Sea84c, SF84b, TTW84b, TR84, TB85, Tol86]. **Coulomb-nuclear** [FB84].

counter [MMF81]. **counter-beam** [MMF81]. **counters** [Män89]. **Counting** [Aur84a, Aur84b, EA83, EA84, AGF87, GTG81, GTG84, GTM85, GTM87, GTMA88]. **Coupled** [GHU81, AKS88a, AKS88b, Bai87, BBM82, BBM84, BP82a, Cha84d, CW80, CDW82, CW84a, CDW84, Chi84a, Cla84, Cla82a, Cre80a, Cre84a, CSW84, DL87, DP88, DRRvB82, FNLD89, GPS84, Gro87, Gro89a, HD86, HBF⁺85, HT88, HH84, Hir84, HLS84, Hub84a, Mor84c, NK84, NN84, Nor84a, Pia84, RSA84, SK82, SK84, Tol85, WMCH84]. **coupled-channel** [DL87, FNLD89]. **coupling** [BES⁺87, Bla88, CN84, Cha84e, Cla84, DW84, Dya86, EPS81, ENSC86, Gra84a, Hub84a, Hub84b, KBMV86, LLA⁺89, LJN85, Nus84, PGB84, Rid82, Rid84b, Rud84, Sar87, SCF86, SW80b, SW84, Tam84, VVM84, WS82, WS84a]. **couplings** [AMC83, AMC84]. **covariant** [KMS88]. **cover** [Eas89, Fin87, Gri87, Tru88]. **CPC** [Ano86n, Jac80, MLL86]. **CPDES2** [AKS88a]. **CPDES3** [AKS88b]. **CRAY** [KJ85, RS85, Dic82, DR82, EBS88, FR81, Fin82, Fin84a, KM85, LB82b, NR86a, PCM85, SG82, Sch89c, SB82, THH82]. **CRAY-1** [KJ85, Dic82, DR82, FR81, Fin82, Fin84a, PCM85, SG82, SB82]. **Cray-1s** [THH82]. **create** [Rob84f]. **created** [TDS81, TDS84]. **creation** [CM84a]. **Cross** [FGK89, All84b, AMK81, AMK84, BKvLSE80, BKvLSE84, BGS81, BGS83, BGS84c, BGS84a, BGS84b, Bet84, Bie83, Bie84, Bil84, BTS84a, BTS84b, BW87, Cap86a, CLS⁺84, DL87, FNLD89, Har81, Har84a, Hei84, Hen84, HMS84, JT84a, KS86b, LW84a, LJLC84, MMM84, MPR80, MT84b, Nov87, OM83, OM84, ONP89, OTB80, OTB84, PDNE88, PV84, PS84b, RS81, RS84b, Sal82, Sal84e, Sar84b, Sar84c, Sar87, SAC87, SS84b, SMD84, SR84a, SG89, Tar86, Ver89, WL84, WMCH84, vdB84]. **cross-assemblers** [Tar86]. **cross-section** [Bet84, LW84a]. **cross-sections** [BGS81, BGS83, BGS84c, BGS84a, BGS84b, Har81, Har84a, OM83, OM84, PS84b, Ver89, vdB84]. **crossings** [Vio84]. **crystal** [Ber84a, DRD88, FR84, Han84d, MS85, MS87a, MS88, PS84a, Pre84a, SP87, Ste84a]. **crystalline** [BT84a, Han84b, Han84c, Han84e]. **Crystallographic** [Bel84b, CA84]. **Crystals** [Ric84, BMS87, BL86, CLL89, De 84a, Fre87, Han84a, Han84f, LB84, Ric82, Sal83a, Sal84d, SF84b, WD84, WDM84, Wor84a]. **CsCI** [Ano84-83]. **CSDUST3** [ELS88]. **Cu** [JB80]. **Cube** [FAK82]. **Cubic** [Ric84, AAMB84, BMS87, BDD84, Bok84, DS83, DS84a, FAK82, LB84, MV81, MV83, MV84a, MV84b, PDF82, PDF84, Rei87, Ric82, WD84, WDM84, vM84i]. **Culham** [Syk81]. **Cumulative** [SS89]. **Current** [CHL⁺81, AHS⁺86, OSF86, SSF⁺89, Uga88]. **current-drive** [SSF⁺89]. **Current-driven** [CHL⁺81]. **currents** [Lee82, Lee84]. **curve** [CAP86b, HE84b, Puf83, Puf84, vM84a, vM84c]. **curve-fitting** [CAP86b, vM84a]. **curves** [ASM80, ASM84, AMB84, De 84c, KEMP81, KEMP84, RS84e, Tel84]. **Curvilinear** [Eas87a, Har89]. **CW** [Smi84a]. **CYBER** [BM86, BM82b, BM82c, BCM83a, BM84a, BSDM88, CMO86, KW84a, HD86, HVS87, VH87, BA86, Car89, Dic82, Pur82, Tol85, VSH83, VBD88]. **cycle**

[Tau85]. **Cyclic** [Joh85]. **cyclotron**
 [ABD82, ABD84, CCR88, MKH86, McN81, McN84, MGK86, SSF⁺89].
cylinder [Cop84c, Kir87, MKRJ89]. **Cylindrical**
 [Mas83, AL81, CD86, ELS88, Hug84, Jad84, Kar80, Kar84a, KLGT85,
 KB86b, MBOK86, Pie84b, TTAT81, Vrb89, Wie86b]. **cylindrically** [SF84a].

D [Art85a, Eas84a, Eas89, Fin87, Gri87, Lis88, MN84a, MN84b, MZZ89,
 Rob85, Sch86a, BLR82, BLR84, ELS88, And84b, And84a, Atz86, Car89,
 CN87, Cro88, Eas87a, ERB88, GS89, HL88, JN85, KT81, MCJ81, MCJ84,
 Moh89, Ods84, RBMC86, SS81, Syk81, Via87, Wan87, vdV89]. **DO**
 [Ano87-29, CHJZ89, CHS⁺89]. **damage** [Cha84b]. **DAP**
 [Par83, AWB82, BM85b, Del85, DD85b, Hel82, JN85, LB82a, MP82, Par82,
 RSS85, SRS85, WB82]. **Daresbury** [HSB⁺84, THH82]. **Data**
 [Bel84b, Ber84a, CHJZ89, Eld84, Jas84, KS87a, Mee84, OLR⁺87, Poh87a,
 Put89, Rea89, Ros84a, SG89, Tha89, AI88, AAMB84, AMK81, AMK84,
 BGMM81, BD80b, BD81, BD84c, BvSW84, Bro83, BCVZ89, Bur87, CR84b,
 CM84a, CMH87, CM84b, CDF⁺89, CSMHT88, Com80a, Com80b, Com84,
 CH84c, CP81, CP84, Del87, DS82, DK82, Dun87, Ezh84, Fia84, FP89, FM85,
 FV81, FMS87, Gai89, Gau81, Gau84b, Gau84a, Gau84c, Gli84, Han84b,
 Han84c, Han84e, Har84b, Her84a, Hib84a, Hin81, HSA82, HSA84, IA80, IA84,
 IA86, IL84, Jac85b, Jac85a, Kal83, KC81a, KC81b, KC84a, KC84b, Kat84,
 KM84a, KR81, Klo82, Klo84a, KN84a, KRS83, LCS84, Lid84b, LBK88,
 Mas81, McI84, Mir84, Moo84d, Mor84a, NM84, OY80, PF86, PM80, PM84a,
 PS88, Pro82a, QTZ⁺87, Rea84]. **data**
 [Rim81, Rob84f, Ros84b, RHM⁺89, Sal84a, SEF⁺89, SN84, Sax84a, Sch89a,
 SSM85, SBB⁺89, SM89b, Sko89, SdAD⁺88, Ste84d, Tep84, TTT87, Tor82,
 Tor84, Ver84b, Ver89, Whi89b, Wil89, WC85, Woo86b, WSV88, Yat84,
 vMF81, vMF84, vM84g, vMT84, vM84e, vM84i]. **Data-acquisition**
 [Tha89, CDF⁺89, SEF⁺89, Whi89b]. **data-base** [Put89]. **data-taking**
 [Wil89]. **Database**
 [Mou87, TTT87, HS84, HSB⁺84, MS87b, Rus86, Sko89, Ste87, Wha89].
databases [LSW87]. **Dataflow** [Gur85, YSHK85]. **Datstor** [Rob84f].
Davydov [AFH84]. **DBLCON** [War84]. **dc** [ABD84, OSF86, ABD82, EK86].
DCSCH3 [FC84b]. **DCSCH4** [Ano84-84, FC84b]. **debugging** [Sch85b].
Debye [Rei87]. **DEC** [CHS87, Com80b, KC81a, KC81b, KC84a, KC84b].
DEC-10 [KC81a, KC81b, KC84a, KC84b]. **decay** [AB83, BMG⁺85, FC84b,
 HR84a, Hla80, Hla84, IL84, Kal83, KL84b, PIM82, PIM84a]. **decays** [LO86].
December [Kil80]. **decision** [Fra81]. **decisions** [Chi89]. **deck** [Fem84].
decks [BJ81a, BJ81b, BJ84a, BJ84b, Jac85b, Jac85a]. **DECNET** [Ghi87].
DECNET/IBM [Ghi87]. **Decomp** [Wie86a]. **decompose** [RWZ87].
decomposition [Key89, KPP84a, MSC⁺88, MP82, Oya86, Ran87b, Ryn82,
 Ryn84, RF83, RF84, Zlo84d]. **decomposition-conjugate** [KPP84a].
Deconvolution [DS82, WSV88, BD80b, BD81, BD84c, Ber80, FV81, KRS83].
dedicated [Gli82, JMS⁺89]. **deep** [IR80]. **defect** [KM84c, Ric82, Ric84].

defects [BAG⁺87, DBB84, LB84]. **deferred** [GB87, Jam88]. **defined** [Car84a]. **definite** [Gad85]. **deformable** [NJ82, NJ84]. **deformation** [KN84c, PI84]. **deformation-dipole** [KN84c]. **deformations** [FNDL89, Hir84]. **Deformed** [HH84, CDN⁺87, HR87, KP85]. **degenerate** [MW84a, MW84b, MW84c, Wil84a]. **degradation** [LNV84]. **degree** [Dob89, Jes82]. **degrees** [SK82, SK84]. **Dekker** [Art85b]. **delayed** [PDNE88]. **delegates** [Ano82y, Ano85v]. **DELPHI** [BGG⁺89, Ber87c, ABLB⁺89]. **Delphine** [ABD82, ABD84]. **Delsqphi** [CH84a]. **Delta** [Eks84]. **Densities** [IK85, BD87, DP84, HR87, LHP87, Mor80, Mor84d, PIM80, PIM84b, Rob84e, Tal84b]. **density** [Chr84a, Chr84b, De 88, KS84d, LZ84, Pol88, SNC80, SNC84, ZL84]. **DENTS** [CSC⁺86]. **dependence** [Fer89]. **dependent** [CMR86, IK81, GS89, Has84, HLM⁺87, LZ84, LW84b, Mag81, Mag84a, MV87, MF81, MC84a, Ran86, Ran87a, RWZ87, ZL84, Irv82]. **DEPOS** [LW85]. **deposition** [DM86a, LW85, MRW84, MM84a, PSBG84]. **Depth** [MM84a, DM86a, MRW84]. **Derivation** [He84a, DGPM85, FR84]. **derivative** [Buc83, Buc84, DK87a]. **derivatives** [Bar82, Bar84b, JP84a, KK83a, Lee82, Lee84]. **describing** [SS89, SK82, SK84]. **description** [Ano87c, GHU81, WP84]. **Design** [DSSS86, KC81b, KC84a, RHM⁺89, Ano81f, BF89, Buc85, Car88, CFG⁺88, CMH87, Dow82b, Eck84, FP89, Gat89, Hoa89, Kas82, Poe85, Reg81, Ric86, Suf89, Vie88]. **designed** [DTE84, DRD88]. **Designing** [SSM85, ZS87]. **DESY** [Beh81, Sch89b]. **detailed** [BF89, SWHB88, Sea84a]. **Detecting** [Kal82]. **detection** [Bir85, Kal83, TN84]. **detector** [Ano87c, BGGW⁺89, CFG⁺88, CGMS89, HAG⁺89, MS87b, YMW89]. **detectors** [Boc87, Kan87, OVQT⁺84]. **determinant** [KH89]. **determinantal** [Lab84a]. **determinants** [Fra83a, Fra84b]. **Determination** [Ata85, Bas87b, Cam84e, Cam84d, CF85, FK86a, Fra83a, Fra84b, Rid84a, RRG88, WDM84, CH87, CH88, GPS⁺81, RP89b, RP89a, RD80, RD84, VH87, DG84]. **determinations** [DRD88]. **Determining** [EFK85, Sch82b, Sch86d, Bas87a, Sch88a, Sch84c]. **Deutsch** [FV81]. **developed** [DU89, MP89, WH81]. **Developing** [BvEF85, Cam85, Man87b, Uga88]. **Development** [BGM87, Kat84, KP89, Kel87, Ano87-29, BM86, BCMR87, Bri86, BCC⁺85, Car80, CNRS82, HGJ⁺89, IKM85, Krá86b, Nie88, Pla86, Sar84c, Vie88, Was85, Wis87]. **Developments** [Syk81, Ken89b]. **deviations** [Kal82]. **Device** [BCD⁺89, Dew82, VKM⁺82]. **devices** [BO80, CO86, KP84]. **Df** [Art85a, Bra86, Rob85]. **Df.180.00** [Tru88]. **DFPOT** [Coo82, Coo84a]. **DIAGEN** [SUZ89]. **diagnosis** [BC87, BCF⁺89, KK85]. **diagnostics** [KB86a]. **diagonal** [GMR84b]. **Diagrammatic** [MBW89, Sil84a, Sil84b, WS80, Wil84c]. **diagrams** [CW80, CW84a, CW84b, KR88, PT85, SUZ89, Stu88, WS80, WP84]. **diamond** [Wie85]. **diatom** [Bil84, Bil87, Nov87, ONP89]. **diatom-diatom** [Bil84, Bil87]. **diatomic** [BB84a, BOT86, Bou87, DK87a, DK87b, FT84a, Gia84, Lad86, MLL86, Nai84, Nai86, Ras80a, Ras80b, Ras84a, Ras84b, Sal84c,

ST81, ST84a, SLH84, Sin84, TT82, TT84, Tel84]. **dicon** [TKS⁺85].
dielectrics [LVPG84]. **difference**
 [AZK83, CSC89, Dru83, GV87, GS83, Kal82, Lis84, Man87a, MN84a, Sch84d].
differenced [Wie85]. **different** [PIM80, PIM84b]. **Differential**
 [Art85a, EFK85, IK85, LJLC84, RW86, Sch82b, Sch86d, AKS88a, AKS88b,
 AMK81, AMK84, BBM82, BBM84, BTS84a, BTS84b, Car84a, Cha84d,
 CSW84, DGL89, FK86a, HD86, Jes84, Mar89a, MPR80, Mor84c, OM83,
 OM84, OTB80, OTB84, Par84, PS84b, RWK⁺85, Rud84, Sal82, Sal84e,
 Sch84c, SS84b, SMD84, SR84a, SK82, SK84]. **differentiation**
 [BKK86, GJ84, MP81b, MP84b, Wai87, WSV88]. **differing** [Fun84a, Fun84b].
diffracted [TK84, TK80]. **diffraction** [Bla84, FR84, Gru84d, Han84b,
 Han84c, Han84e, MGMZ84, RP89b, RP89a, vM84i]. **diffractive** [Kas84].
diffuse [SP86]. **Diffusion**
 [EFES83, RBMC86, BH81, BH84a, BSA86, BLT81, Câm82, Câm84g, CRL84,
 Del85, Sch87b, WD84, WDM84, vMF81, vMF84, vM84g]. **diffusive**
 [ACR88, WBG84]. **digamma** [Köl84c]. **Digital**
 [FS82, BGMM81, Dew82, Ruf85]. **digitized** [SCC⁺88]. **digitizing** [BdCP81].
dilute [CGG87, OS84, Tho84]. **diluted** [NHK82]. **dimension**
 [HLM⁺87, IKRT89]. **Dimensional**
 [CW84c, ABG⁺84, AWB82, AK84, BC88a, BCM83a, BWD84, BL88, CR84c,
 Cho84, CRPL81, CRL84, CRPL84, CH84a, CAR84b, CMM84, CM86, CMO86,
 De 88, DM87, DM89b, DH84b, EHL80, EHL84, IK81, GJ84, GTL⁺86, Goe81,
 Has84, Hay89b, HL86, HvRM86, Hou87, HWL89, KK88, KJ85, KR81, Kir87,
 Lan80, LK88, Lew82, Lew84a, LNS84, LB82b, Luc84, MMS87, MMK81,
 MMK84, MKH86, MBOK86, MMTK88, NR86b, NRS88, Ods80, OT80, OT84,
 Per89, Phi80, Pis84a, Pis84b, RSMTV88, RR84, RC85, RG86, Sch84d, SM89b,
 She84, SPM⁺88, TW89b, Tre88, VČ88, WBG84, Wie85, YP86, Zlo84b].
dimensionalities [DV85]. **dimensions** [AKS88a, AKS88b, BSDM88, DP84,
 HH82, Sch81, SM82, SM84f, Wai87, YFL87]. **dinuclear** [Ogi83, Ogi84]. **DIP**
 [SM89a]. **DIP-moveout** [SM89a]. **dipolar** [LVPG84]. **Dipole**
 [DF84, Hib84c, KN84c, Sho81, Sho84]. **diquark** [Rit84a]. **DIRAC**
 [DSK84a, BDM81, BDM84, Des84b, FR86b, GMN⁺80, GMN⁺84, IKRT89,
 KMS88, MGN80, MGN84, Pic89]. **Direct**
 [Klu84a, BH85a, CC89a, FS84a, HL88, MG84, RWZ87, SC89]. **directional**
 [MRCL84, RSL⁺84]. **directions** [Pat82]. **Director** [MG84]. **Dirichlet**
 [MP81a, Cam84f, MP84a]. **DIRIGE** [DK87a]. **discharge** [Abr88, DE84].
discharges [DEW84]. **discontinuities** [Moo84d]. **discrete**
 [CRS87, CCR84a, Dav81, Dav84, Hel80, Joh87b, NR86b, RA82, RA84, Wie85].
discretization
 [AS83, And83b, And83a, AS84, And84b, And84a, SA83, SA84].
discretizations [KA87]. **discretized** [KP89]. **discussion**
 [Ano88-35, WBV⁺89]. **disk** [RHM⁺89]. **disk-based** [RHM⁺89]. **dislocations**
 [Pet84]. **Disordered** [Vir89, MZM⁺82, MZM⁺84, SP86]. **dispersion**
 [EFES83, Han84d, New86]. **displacement** [Cha84b, DS83, DS84a]. **display**

[BGMM81, CGMS89, PDF82, PDF84, SdAD⁺88]. **dissipation**
 [BKR88, Eas88]. **dissociation** [RS83, RS84d]. **dissys** [Sch86c]. **Distorted**
 [TCR84, BKvLSE80, BKvLSE84, DE84, SAC87, WV80, WV84, ZNO88,
 vM84h]. **distortion** [HE84b, May81, May84]. **Distributed**
 [Jes87, Nas89, Whi89b, Dow82c, JSB82, KSG82, Ott89, SM85a, Ste87, Par83].
distributed-memory [Ott89]. **distribution** [BB84a, BRTB84, BRT84,
 DM86a, DL86, Han84c, Han84e, Jun81, Jun84, KS84d, KS84e, KS08, Lan84b,
 MRW84, MM84a, MM88b, Pie84b, Rib80, RSL⁺84, SS89]. **distributions**
 [AB83, Les89, Sal87, SAC87, Sch84a, SDH84, TC87, TSD84, ZC84].
divergence [RM89]. **DLXANES** [VSP86]. **DM**
 [Ano89h, Eas84a, Eas89, Fin87, Man86, Sch86a, Sta87b]. **Dnestrovskii**
 [Sch86a]. **Do** [Jam86a]. **documents** [BF89]. **Does** [Her89]. **Domain**
 [Key89, MSC⁺88, AS89]. **domains** [KS89]. **dominated** [Cli82, WW80].
Domus [Zlo84b]. **Dordrecht** [Art85a, Rob85]. **dose** [Hub84c]. **dosimetry**
 [Hub84d]. **double** [Coo82, Coo84a, HEL84, He84a, MSFR89, SS84b, SMD84].
double-differential [SS84b, SMD84]. **doubled** [Ata85]. **doublet** [KK84b].
drag [WHW87]. **drawings** [PDF82, PDF84]. **Dresden** [AGG⁺82]. **drift**
 [Dob89]. **drifting** [FM84]. **drive** [AHS⁺86, OSF86, SSF⁺89]. **driven**
 [BVL84, CHL⁺81, Poh87a]. **Drooling** [JSB82]. **drop** [PI84]. **Drummond**
 [MN84a]. **DSAM** [MC81, MC84b]. **DST** [Blo89]. **Dubna** [BLMU81].
Ducksbury [Jes87]. **due** [Lee82, Lee84, May81, May84, McN81, McN84].
Duff [Bra86]. **Dumbell** [Lad86]. **Durham** [Wha89]. **during** [OBLR84].
dust [SL83, SL84]. **DUSTCD** [SL83, SL84]. **dusty** [ELS88]. **DVSR** [Gli84].
DWBA [But84, PV84, TUB83, TUB84, TL84, TUWA84]. **DWPI**
 [EM84a, Fun84a]. **dye** [BLB88]. **dye-laser** [BLB88]. **dynamic**
 [AF82, AF84c, Bin87, DSK84a, Fin82, Fin84a, MEB88, Rin84, Sho81, Sho84].
dynamical [CMPR88, HD88]. **Dynamics**
 [FR81, LH88, Ber87a, DGL89, Fin80, Fin84b, Fin86, Gad80, Gal85, GV89,
 GG89, GDK89, Gup88b, HSV84, HVS87, HT84, JL84, KN84c, KN84b,
 MKRJ89, NJ82, NW84, NJ84, Ods84, RFS89, RMV89, SBM⁺86, Sch89c,
 SM86, Ter88, VSH83, WW84a, ZR89, Ano89h, And86]. **dynamo** [Moo84e].
Dyson [BCCM87]. **DZDISP** [Sch89a].

E1 [HK83, HK84b]. **E2** [HK83, HK84b]. **E687** [MS87b]. **Early** [RS85].
earth [Moo83, Swi88]. **EBEGA** [GTMA88]. **echo** [vMF81, vMF84, vM84g].
economic [McI84]. **Economizing** [AXG87]. **Ecsimpact** [LS84]. **ed** [Rob85].
edge [DPH82, DPH84, Pet84, VSP86]. **Edinburgh** [BBC⁺89]. **edition**
 [BPW84a, BPW84c, Duc86]. **Editor**
 [Bas87d, Cre84c, Day84b, Tau84a, Cre80b]. **Editorial**
 [Ano81m, Ano81n, Ano82p, Ano82q, Ano82r, Ano82s, Ano83h, Ano83i,
 Ano83j, Ano84m, Ano84n, Ano84o, Ano84p, Ano85l, Ano85m, Ano85n,
 Ano86o, Ano86p, Ano86q, Ano86r, Ano86s, Ano86t, Ano87q, Ano87r, Ano87s,
 Ano87t, Ano88q, Ano88r, Ano88s, Ano88t, Ano89o, Ano89p, Ano89q, Ano89r,
 Ano89s, Bur85a, Rob80a, Rob81, Ano80k, Ano80l, Ano81l]. **Editors**

[Eas84b, Ano80e, Ano80f, Ano88h]. **Eds** [And86, Bra86, Gri87]. **Edwin** [BKvLSE80, BKvLSE84]. **effect** [CKV85, DG84, HK81, HK84a, Kac84, Nai84, Vio84, WS84b]. **Effective** [CO84, HIM84, LR84b, MN80, MGTD84, SMT88, Tal89, Nad86a]. **effective-range** [LR84b]. **effectively** [BM82a]. **Effects** [EPS81, TTAT81, BS83, BS84a, Cop81, Cop84a, Cop84d, Cop84c, Cop84b, CVvWF86, Hoe86b, JW85, Odo82, Odo84b, San82, San84, Sch81, Sch83, Sei84]. **Efficiency** [MRT89, AGF87, GTG81, GTG84, GTM85, GTM87, GTMA88, Lux80, MTN⁺82, Sch82a]. **Efficient** [KM85, KB86b, MB83, MHP84, MB84, New86, NR86a, And86, BSK88, BVL84, CHMM84, KMS88, NP84, SH82, SH84, SM86, Ver82]. **efforts** [Sch88b]. **Effy** [GTG84, GTM85, GTG81]. **EFYGA** [GTM87]. **EGS** [CN87]. **EGS4** [Miu87]. **EGS4V** [Miu87]. **eigenfrequency** [Cap86a]. **Eigenfunction** [PZCC89]. **eigenfunctions** [DK87a, JT83, JT84b, JA80, JA84, ST84b]. **eigenproblem** [Nas84]. **eigenproblems** [DW88]. **Eigenstates** [MPS84, FV86, FH88b]. **Eigenvalue** [Gru80, Gru84b, BN81, BH82, BMK89, Cli82, FJ89, Gru84a, Jam87, Rap83, Saa89, YP86]. **eigenvalues** [Bos83, Bos84, CH87, CLS88, DK87a, FV86, Joh88, Kar80, Kar84a, KLS85, MPS84, MP82, NKS88, Sch88a]. **eigenvectors** [KS86a]. **eikonal** [MPR80]. **EIV** [Shu87]. **elastic** [All84b, BB84b, Cop81, Cop84b, DS83, DS84a, EM84b, Fun84b, Gje81, JT84a, KF84, Keg81, Keg84, Lan82, Lan84a, LK88, LB84, MS84, OM83, OM84, PSL88, Pet84, RM89, SP86, Smi84d, TTW84a, TW89a, Yat84]. **elastic-plastic-hydro** [LK88]. **elastic-scattering** [PSL88]. **electric** [Arn84b, God84, Hib84c, LJLC84, Nai86, OSF86, ÖW84, SS84a, Tol86]. **electric-dipole** [Hib84c]. **electrical** [EK86, Isl84b]. **electrodes** [DEW84]. **electrodynamics** [SMM89]. **Electromagnetic** [BF84, Cap86a, CCR88, OM88, DM89a, VM89, YMWW89]. **Electron** [MMM84, PSBG84, Ras80a, Ras84a, Sin84, AT84, AP82, AP84, ANP⁺85, AGF87, Bar83, Bar84e, BGS81, BGS83, BGS84c, BGS84a, BGS84b, Ben82, Ben84a, BDK86b, BDD84, BW87, Chi84a, CLS⁺84, Cre80a, Cre84a, CSW84, EBS88, FT84a, FV82, GTL⁺86, Gia84, HC83, HC84, Hib84b, JT84a, JA80, JA84, Lan84b, LW85, Len80, Lew84d, MLL86, Män89, MKH86, MS84, MGK86, NM84, NN84, Nor84a, Odo81, Odo84c, OM88, PP85, Ras80b, Ras84b, Rit86, RP89b, RP89a, SP87, Sal84c, ST81, Sal82, Sal84e, ST84a, SNC80, SNC84, SSF⁺89, ST84e, SV84, ST82b, ST84f, TW89a, TSD84, TW89b, WL84, WW80, WB84, Yat84]. **electron-Atom** [NM84, AT84, Bar83, Bar84e, CSW84, Sal82, Sal84e, ST84e, Yat84]. **electron-capture** [AGF87]. **electron-diatomic-molecule** [MLL86]. **electron-hydrogen** [BW87]. **electron-molecule** [SNC80]. **electron-photon** [SV84]. **electron-positron** [ANP⁺85, BDK86b, Odo81, Odo84c, Rit86]. **Electronic** [BAG⁺87, BB84a, CC89a, DK87b, DWVH89, HRB84, SK82, SK84, WC84]. **Electronic-structure** [BAG⁺87]. **electrons**

[All84c, AM84a, BS83, BS84a, BGMP84, Chi84b, Gra84a, LW84a, MR80, MR84a, Moo84h, SMMP86, SS84c, SS84d]. **electrostatic** [HM81, HM83, HM84a, HM84b, OM88]. **electrotransport** [OBLR84]. **element** [AHVV86, Bur85b, DM89a, DD85b, EP86, FM85, KS84c, KS84g, KS84h, Kon84, Len80, Man86, Man83a, Par89b, PB84b, Pis84a, Pis84b, SFB87, SMC81, SMC84, Sun88, TTAT81, TL89, VM89, Zlá80]. **element-by-element** [TL89]. **elementary** [CC89a, MV83, MV84b]. **Elements** [BH88, FBS88, FBS89, ABG⁺84, Arn84b, Ben82, Ben84a, BOT86, Bou87, Bra84d, Bru85, Bru86, Cha84e, Cla84, Das89, EEV89, FS84c, Hod84, Jam84, Klo84c, Kol81a, Kol84a, KM82, KM84b, Lab84a, Lew84d, MRC85, Par84, PGB84, Rob84a, Sal84c, SS84a, Sax84b, Sax84a, Sax84c, ST84b, Ten85, Tol86, YP89]. **elgenvalue** [BH84b]. **elimination** [Vaj82]. **Ellips** [Ber84b]. **ellipsometer** [Ber84b]. **elliptic** [CKT89, Jes84, KS89, Vaj82]. **elliptical** [Moo83]. **ellipticity** [Moo80, Moo84c]. **Ellis** [Jes87]. **elongated** [Hof88]. **Elsasser** [Moo84e]. **EMAP** [Wie86b]. **Embedded** [Nie88]. **emerging** [Met87]. **emission** [Duf84, Le 89]. **emissions** [OM88]. **emitter** [GTMA88]. **emitters** [Pie84b]. **emphasis** [And86]. **Empirical** [Krá86b]. **emulator** [VGD⁺89]. **emulsion** [GDH⁺89, Per89]. **energies** [BS80, BS84b, CDN⁺87, DS83, DS84a, FE88, HR86a, HR86b, IR80, KSE86, Lew84c, Mag84b, Odo81, Odo84c, PI84, Ric82, Ric84, Sil84b, TR84, TTL88, Wil84b, Wil84c, WB84]. **Energy** [AFH84, AF84a, AF84b, CJ84, Kar80, Kar84a, Wic87, AP82, AP84, BMV83, BMV84, BBE⁺81, BMR85c, Bar81b, Bar84c, BGMP84, BGS81, BGS83, BGS84c, BGS84a, BGS84b, Bla84, Boc89, BE89, Bur87, CC89a, CH87, CH88, Cha84b, Cug84, DM86a, Den88, Dun87, FV86, Gal84, Ger80, Gro89a, HIM84, Hin81, HRB84, Jac81, JT83, JT84b, JMS⁺89, JP80, JP84b, KAH⁺89, KP81a, Kaw86, Keg85, KKL84, KVV84, KK84b, KKT⁺88, Lan87, LW85, LSW87, LB84, LLC84, MRW84, MM84a, MGN80, MGN84, MBW89, Mon87, Nas87a, Nas89, New89, NT84, Ogi83, Ogi84, OLR⁺87, PSBG84, PFGP82, Poh87a, Poh87b, Put89, Qua87, RFSG84a, RR84, Rim81, Rit86, Rob87a, RRG88, RP89b, RP89a, SMMP86, SN84, Sea82, Sea84c, Sko84, Van81b, Ves89, VČ88, WC84, Wat89, Wha89]. **energy** [Whi89a, Wil81, Wis87, vD87b]. **Energy-level** [AF84b]. **Energy-loss** [CJ84]. **engineering** [BCC⁺85, Cam86, CMH87, Eck84, Jam86a, Nad86b, Sch86b, Sto89, Stu85, Wes87]. **Enhanced** [PCL89]. **enhancement** [GSS81]. **enhancing** [KWPP89]. **ENSDF** [Mir84, Tep84]. **ensemble** [HD88, Kra86a]. **entire** [BDG⁺84]. **entropy** [DL86]. **enveloping** [DVD87]. **environment** [ACSB85, BGM87, Bur87, Dit89, May89, MGN80, MGN84, Nag85, SN84, Sta87a, WHD86, Wic87, Wis87]. **environments** [KSS86, Stu85, Was85]. **ephemeris** [SGS⁺89]. **epic** [HD89, Eas87b]. **EPR** [DSM⁺81, DSM⁺84, Ste84b, dBM82, dBM84]. **EPR-spectra** [DSM⁺81, DSM⁺84]. **equal** [Jab84]. **equation** [AS83, And83b, And83a, AS84, And84b, And84a, AZK83, BH85a, Bel84a, BVL84, BD82, BD84b, BSA86, BL88, CR84c, CKA89, Cla82b, DGL89, DRRvB82, ERB88, FV86, FGSH85, FS84a, FBW82, FC84a, Fog84, GS83,

Hay80, Hug84, IR80, Ixa80, IR85, IB87, IGB⁺89, Jam87, KK83b, KP85, LWHH82, LWHH84, LR84a, Mac89a, Mar84a, MP81a, MP84a, Moo83, Mor84b, MZZ89, NBI⁺85, PR87, PM80, PM83, PM84a, PM84b, Rap81b, Rap83, RC85, RC87, RG80, RG84, SA83, SA84, SFB87, SBFI87, Ste84c, TSD84, TV86, TT89, VPB82, VPB84, Wie85, WW80, vTBF84]. **Equations** [Art85a, EFK85, IK85, RW86, Sch82b, Sch86d, AKS88a, AKS88b, BBM82, BBM84, BP82a, Bur85b, BCCM87, CSC89, Car84a, Cha84d, Chi84a, Cla82a, Cre80a, Cre84a, CSW84, DWC⁺89, Ede84, FK86a, IK81, FOW87, Gaj85, GPS84, GS88, GSZ85, HD86, Has84, HLS84, Hou87, Ito86, Jes84, KP89, KA87, KRSV82, Kos80, LM85, Mar89a, MP81b, MP84b, Mik80, Mor84c, NN84, Nor84a, Par84, Pia84, Pro82b, Pro82a, Pro84, RWK⁺85, RW84, Rud84, SC89, Sch85c, Sch84b, Sch84c, SK82, SK84, Sun88, TF89, Tol85, WMH82, WBG84, tR85]. **equilibration** [RBMC86]. **equilibria** [BWD84, CR84a, Goe84, GKM⁺81, HL86, HC86, KJ84, Lao84, RG86, Sch84d, She84, TS84b, Var89, ZC84]. **Equilibrium** [SS81, Bet84, BLT81, BM84b, CRL84, Hof88, MN84b, Mik84, Shu87, WH81]. **equilibrium-diffusion** [CRL84]. **equilibrium/compound** [HMS84]. **equivalence** [PT82, You87]. **equivalent** [All84c, AM84a, Ata85, Chi84b, Gra84a]. **era** [WBV⁺89]. **Erato** [GST⁺81, GTR⁺81, TTM⁺80, GTB⁺81, GTB⁺84, SG81]. **Erika** [RF83, RF84]. **EROTVIB** [JT84a]. **Erratum** [Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano80r, Ano81o, Ano81p, Ano81q, Ano81r, Ano81s, Ano82t, Ano82u, Ano82v, Ano83k, Ano83l, Ano83m, Ano83n, Ano83o, Ano84x, Ano84-30, Ano84-72, Ano84-31, Ano84-32, Ano84-73, Ano84-33, Ano84-34, Ano84-35, Ano84-74, Ano84-36, Ano84-37, Ano84-38, Ano84-39, Ano84-40, Ano84-41, Ano84-42, Ano84-43, Ano84-44, Ano84-45, Ano84-46, Ano84-47, Ano84-48, Ano84-49, Ano84-50, Ano84-51, Ano84-52, Ano84y, Ano84z, Ano84-27, Ano84-28, Ano84-29, Ano84-53, Ano84-54, Ano84-55, Ano84-56, Ano84-57, Ano84-58, Ano84-59, Ano84-60, Ano84-61, Ano84-62, Ano84-63, Ano84-64, Ano84-65, Ano84-66, Ano84-67, Ano84-68, Ano84-69, Ano84-70, Ano84-71, Ano84-75, Ano84q, Ano84r, Ano84s, Ano84t, Ano84u, Ano84v, Ano84w, Ano85o, Ano85p, Ano85q, Ano85r, Ano85s, Ano85t, Ano86u, Ano86v, Ano86w]. **Erratum** [Ano86x, Ano86y, Ano86z, Ano86-27, Ano87u, Ano87v, Ano87w, Ano88u, Ano89t, Ano89u, Ano89v, Ano89w, KS08, Ran87a, Tho04a, Tho04b]. **error** [CM84d, Moh80, Moh84, Rap83, Ver82]. **Errors** [MLL86, EFES83, Hay83, JR84]. **ES-computer** [Tar86]. **ESA** [Wen88]. **ESECT** [Wie86b]. **ESECT/EMAP** [Wie86b]. **ESOP** [DGK⁺81, Jac81, Jac82]. **especially** [Aue84]. **essential** [Col88, Mou89]. **establishing** [FC84b]. **estimate** [GH83, GH84a]. **Estimation** [DP84, DL86, HB85]. **ETA** [BCMR87, MMR89, MKRJ89, VBD88]. **ETA-10** [BCMR87, MMR89]. **Ethernet** [Gam89]. **Euclidean** [GV89]. **Euler** [Di 87]. **Eulerian** [IGB⁺89, WHW87]. **Europe** [Duf85]. **European** [Ano88-27, CFG⁺87]. **eV** [vdM84a]. **eV-region** [vdM84a]. **eva2** [BPW84a].

evaluate

[AGF87, BW87, CW80, CW84a, Cha84e, GH84b, Nov87, Rob84a, TT82, TT84].

Evaluated [LCS84, Mir84, Tep84, Ver84b, Ver89]. **evaluates**

[HM81, HM83, HM84a, HM84b]. **Evaluating** [Ito85, NT84, Tal82, Tal84a].

Evaluation [Com82, EEV89, Rob87a, SG83, SG84b, BDJ⁺89, DFD81, DFD84, Di 86, GDH⁺89, HKK84, KK84a, KP84, Moo84e, Mue84, Nes88, Nob80, Nob84, ONP89, Sax84b, SG84a, SC84, ST84e, Tau80, Tau84c].

evaporation [DKA85]. **evap** [BPW84c]. **eve** [Wil89]. **Event**

[Nas89, CDF⁺89, CHS⁺89, DFOP89, FR86a, Kaw86, O'N89, Odo81, Odo84c].

events [AI86, BD84d, Gal84, MPS81, Rit84b]. **Everett** [Her82a, Her84b].

everyday [Ano88-27]. **Evolution** [Van81a, Cla88, EPS81, GSZ85, Ito86, Mik80, Odo82, Odo84b, San82, San84, SVP86]. **Ewald**

[AF82, AF84c, Fin82, Fin84a]. **ex** [LS84]. **ex-core** [LS84]. **Exact** [BH88, DG84, FKU⁺84, Gol84b, Jam86b, LW84a, NKS88, TL84, TUWA84, TW83, TW84, HDK84, Mar84a, NFH⁺88, SW80b, SW84, Ten83, Ten84a, WL84].

EXAFS [AI88, IA80, IA84]. **examine** [TCS85]. **example** [AB88, CNRS82].

examples [RW85]. **exchange**

[AT84, Nob80, Nob84, Par84, ST84e, WGM83, WGM84, vdB84]. **excitation**

[DM89a, Kas84, KK84b, LJLC84, MMM84, Nog83, RSA84, ST81, ST84a, SS84a, TSD84, Tol86, Vaz81, Vaz84]. **excitations** [Szy81]. **excited**

[KM86, Lab84b, LHP87, Mal84, RA82, RA84, Tal84b, WS80]. **exec** [Rea84].

Exlam [WGM84, WGM83]. **expanding** [Tal82, Tal84a]. **expansion**

[BCCM87, But89, CWS83, CWS84, Del84a, Lew84c, Lew84d, MLL86, Mar89c, MBW89, Mor84b, Mor80, Mor84d, SNC80, SNC84, She84, Sil84a, Sil84b, VČ88, WGM83, WGM84, WS80, Wil84c]. **expansions**

[Gro89b, KS84d]. **expectation** [EHH88]. **Experience**

[Del87, DR82, Jac82, JMS⁺89, RS85, Sli89, Sph87]. **experiment**

[ABLB⁺89, AP89, BLMU81, Beh81, BE89, DGK⁺81, Gje81, Kos80, PFGP82, PS88, SN84, Sko89]. **Experimental**

[LGG⁺87, ABMT84, BCM84a, BD80b, BD81, BD84c, CH84c, Den88, Eld84, FV81, IL84, KRS83, LCS84, Poh87a, Reg81, Rei89]. **experimentation**

[CF85, Col88]. **Experiments** [MBW89, BBE⁺81, Bun86, Cop81, Cop84a, Cop84d, Cop84c, Cop84b, CVvWF86, GH83, GH84a, Jac81, Mae88, Mak80, Man83b, Mou87, Nas89, New87, Nur85, OLR⁺87, Rim81, Ryn82, Ryn84, RD80, RD84, Whi89b, Wil81, ZS87]. **expert** [BC87]. **Explicit**

[RB84, CSC89]. **explosion** [MPM83, MPM84]. **exponent** [Com82].

Exponential

[RC87, BKvLSE80, BKvLSE84, Kal83, PIM80, PIM84b, Tor82, Tor84].

exponentiality [Kal82]. **Exponentially** [Rap83]. **Exponentially-fitted**

[Rap83]. **exponentials** [Bro83]. **Expression** [ACSB85]. **expressions**

[YB86]. **extended** [AF84b, Cre81, Cre84b, DBB84, DW88, KE84b].

Extension [BRTB84, Var89]. **extensions** [GST⁺81]. **extensive**

[GHO⁺89, Goo84]. **External** [DK82, Wor84a, VČ88]. **extraction**

[IL84, Mor84a]. **extrapolation** [CC84]. **extrapolations** [CC84].

F [Eas89, Sta87b]. **F.S.U.** [LGG⁺87]. **Fabry** [MMF81]. **facilities** [HR84e, Zac81]. **facility** [BGMM81, Day81, Day84a, DFOP89, MP89, Nic89]. **FACOM** [MTN⁺82]. **factor** [Han84b, Isl84b, Poe85, SS84c, SS84d, TUWA84, WDM84]. **factorization** [BM85b]. **factors** [All84a, BCFK85, BS84d, CDN⁺87, DK87b, DW84, EE89, Fun84a, GT83, GT84, Han84d, Isl81, Isl84a, Rei87, SSS84]. **FADO** [WPVS89]. **failure** [KK85, KB86a]. **FAMP** [Her82b, HGK⁺81]. **Faradaic** [BCM84a]. **farming** [BDJ⁺89]. **farms** [GH87]. **Fast** [AZK83, BKHJ83, Che89, FLM84, Her82b, MMS87, NFH⁺88, SCC⁺88, Tem82, AGR88, Beh81, BN81, BLR82, BLR84, BSDM88, CWS83, CWS84, Car89, CMM84, DGK⁺81, FSR84, Gje81, IGB⁺89, Jac81, Jac82, KS89, Keg85, NRS88, PJ89, PPHS86, RS83, RS84d, SM89b, Tel84, Uga88, Vaj82, VBD88, Voh88, CH84b, GT83, GT84, Mar84b, NR86a]. **FASTBUS** [ABG81b, BC87]. **FASTF** [GT83, GT84]. **fault** [HAG⁺89, MD81]. **fault-tolerant** [MD81]. **FBT** [Hof88]. **fcc** [DM89b, NHK82, Sal83a, Sal84d]. **FCFRKR** [TT82, TT85, TT84]. **FD** [FR86b]. **FDG** [FR86b]. **FDH** [FR86b]. **features** [RW85, WHD86]. **FEDGROUP** [Ver84b]. **FEDGROUP-3** [Ver84b]. **FEDMIX** [Ver89]. **FEL** [TW89b]. **Fermi** [BDM81, BDM84, FR86b, PDF82, PDF84, Pic89]. **Fermi-surface** [PDF82, PDF84]. **Fermilab** [GAA⁺87, Joh89, Nic89, Whi89b]. **fermion** [DV85, Duc80]. **fermions** [DeG88, Oya86]. **ferromagnet** [NHK82]. **Feshbach** [SS84b, AXG87, Smi84b]. **few** [Gir81, HR87]. **Feynman** [KKS87, KR88, Stu88, WP84]. **FFC** [DK87b]. **FGM** [Szé85]. **fiber** [BCC⁺89]. **Field** [Ano84-85, Mat84, SBM⁺86, ST89b, BB84b, BM84b, CCR88, CCR84b, CGG87, CT82, Des84a, EPS81, Frü81, GLST89, Hoe86a, HWL89, Kar80, Kar84a, Klu84b, KS84g, KS84h, Lee82, Lee84, LCW84, May81, May84, McN81, McN84, MMO89, ML81, MR86, MR87, O'CS84a, OSF86, ÖW84, Ste84a, VČ88, WB88, vMF81, vMF84, vM84g]. **field-gradient** [vMF81, vMF84, vM84g]. **field-reversed** [HWL89]. **fields** [CD86, DE84, DS83, DS84a, JBWW86, Mar89c, Mik84, Pet84, PT86, TSD84]. **FIFPC** [FSR84]. **Fifth** [Ano82w, Ano86f, TL82, LT85]. **figs** [Eas84a]. **figures** [AO88]. **file** [Ben82, Ben84a, CR84b, Mir84, Tep84]. **files** [BJ81a, BJ81b, BJ84a, BJ84b, Cre80b, Cre84c, LCS84]. **filing** [KS86a]. **films** [Hub84e, Hub84f]. **filter** [Gje81]. **filtering** [CHS⁺89, WMN85]. **filtration** [Zlo81, Zlo84c]. **final** [ANP⁺85, Bra84c, Bra84b, TS89]. **Finding** [IK85, Hau87, Ito86, LWHH82, LWHH84]. **Fine** [Sar84b, Sar84c, Dec89]. **Finite** [DD85b, FBS88, FBS89, Man87a, Zlá80, ABG⁺84, AHVV86, BLR82, BLR84, Bur85b, CSC89, EP86, FKU⁺84, FM85, GS83, Hod84, KS84c, KS84g, KS84h, Kon84, Lan80, Len80, Lis84, MVV83, MVV84, MV87, Man83a, MSFR89, NK84, PV84, Pis84a, Pis84b, SFB87, SMC81, SMC84, Sun88, TTAT81, TL84, TUWA84, ZNO88, Man86]. **finite-and** [Lan80]. **finite-element** [KS84c]. **finite-range** [FKU⁺84, PV84]. **FIRE** [MPM85, MPM83, MPM84]. **First** [Hub84c, Sch86c, Sch86d, CRH⁺89, DM88b, IH86, JP84a, Köl81b, Köl84b, Kos80, Moo80, Moo84c, tR85]. **fission**

[Jam86b, TCS85]. **fit** [Han84f, Les89, MC85, RVD⁺81, vMF81, vMF84]. **fits** [KL84a]. **fitted** [Rap83]. **fitting** [AL81, AMK81, AMK84, BB86, Bil89, Bro83, CO84, CAP86b, EHH88, GJ84, Hau87, MGMZ84, O'C84b, RC87, Sci89, Sha87, Ste84a, TN84, Wil84b, WS84b, Woo86b, vM84a, vM84c]. **five** [FGK89]. **five-parton** [FGK89]. **fixed** [Bat84]. **FIXSRC** [BH85b]. **flavours** [Odo84a]. **Fletcher** [Ano89h]. **flexible** [Eck84, MD81, MP81b, MP84b, Szé85, WS84b, vM84a]. **flight** [HAG⁺89, Keg81, Keg84, Sne85]. **Flip** [BKR88]. **floating** [MB84, Bur85b, MB83]. **floppy** [Ten83, Ten84b, Ten84a]. **flow** [Bra87a, BKR88, Del87, FCW84, For89, KJ84, KW84b, SWHB88, SSM85, TL89, TF89, Eas84a]. **Flows** [Art85b, Cro88, Fri88, HH82, Key89, KL84b, Rob87b]. **Fluences** [Keg85]. **Fluid** [Ano89h, MT81, And86, Ano82w, Bra87a, BKR88, DGL89, Eas80, Eas84a, Eas88, FBW82, Gal85, Lad86, Ods84, RBMC86, Ros85]. **fluids** [Gup88a, Gup88b]. **flux** [EFES83, MMR89, Rei89, SF84a, Var89]. **fluxes** [Wie85]. **Fluxoids** [Kam84]. **FMEHAM** [Fle81]. **Fock** [Des84a, AAH84, ABH⁺84, Bat84, CCR84a, CCR84b, Des84b, Fle81, Fro84a, Fro84b, Fro84c, Fro87, GMN⁺80, GMN⁺84, HKS83, HKS84, Irv82, KKLP84, Lab84c, MGN80, MGN84]. **focusing** [Nor82, Nor84b]. **foil** [IL84]. **foils** [RS83, RS84d]. **Fokker** [ERB88, FSR84, MMK81, MMK84, MGK86, MMTK88, OCS86, SFB87, SSF⁺89]. **Folded** [PIM80, PIM84b, Co082, Co084a]. **force** [Bin87, CHL⁺81, Gel85, Han84a, Han84f, May81, May84]. **force-free** [CHL⁺81]. **forces** [LR84a, LR84b]. **Forecasting** [Dic82]. **Form** [Ito85, SS84c, BCFK85, BP82a, BM84b, EE89, Fun84a, Isl84b, Sal84a, SSS84, SS84d, TUWA84]. **form-factor** [Isl84b]. **formac** [FK86a]. **Formal** [Bri86, Gó88, Hoa89, Suf89, HKK84, Dob85]. **formalism** [Hof84b, MV87, NBI⁺85, Sal82, Sal84e, SS84b]. **format** [Jac85b, Jac85a, Sal84a]. **formation** [KL84b, Ric82, Ric84]. **formatting** [Tau81, Tau84b]. **formed** [DKA85]. **Formint** [GSZ85]. **forms** [Sko89, TT89]. **formula** [BK84b, Jab84, KB84, Tak88a, Tak88b]. **formulae** [LU83, LU84, Sei84]. **formulas** [RB84]. **formulation** [CN84, MT81, Nob80, Nob84]. **FORSIM** [Car84a]. **Fortran** [Nad86a, AI88, Bai86, BSdIT87, BS86a, Bru86, CSC⁺86, CM86, DFD81, DFD84, DM89b, GH87, Gro89b, MMM85, MD88, Pag87, RW85, Rom81, Sch89c, VH87, dB82, AD84, Bar84a, Ber84b, BDJ⁺89, BH85b, BJ81a, BJ81b, BJ84a, BJ84b, CRV⁺89, CDW82, CDW84, CR84d, Col80a, Col84a, Com80b, Dob85, GDK89, HM81, HM84b, HR83b, HR83c, HR84c, HR84d, IA80, IA84, Jac85b, Jac85a, Jes82, Joh87a, KK89, MW84a, MW84b, May89, Met85, Met87, Met89, Nai84, Nai86, PV84, PS84c, RV84, RRC89, Rob83, RS81, RS84b, Sal84a, SMD84, SR84a, SDH84, VSH83, Zoh84, dB84, vMF81, vM84d, vM84f, vMF84, vM84g, vMT84, vM84e, vM84h, vM84i]. **Fortran-IV** [SDH84]. **Forward** [Ano88v, Dob89]. **Four** [MC84a, NRS88, BCM83a, BDK86b, IR85, Mue84, WwYpCg88]. **four-body**

[Mue84, WwYpCg88]. **four-dimensional** [BCM83a]. **four-lepton** [BDK86b]. **Four-stage** [MC84a]. **four-step** [IR85]. **Four67** [CH84b]. **Fourgen** [Mar84b]. **Fourier** [CH84b, GT83, GT84, Mar84b, NR86a, She84, AI88, CRS87, Can81, CKT89, CT84b, Col84b, DM88a, IA80, IA84, IGB⁺89, Jun81, Jun84, KK83b, NR86b, NRS88, PS84c, Sch84d, SM89a, SM89b, WSV88]. **Fourier-expansion** [She84]. **fourth** [Ano82i, Col80b, Nog83, Vaj82, WS80]. **fourth-order** [Col80b, Nog83, Vaj82, WS80]. **FPPAC** [MMK81, MMK84]. **FPPAC88** [MMTK88]. **FPS** [Bur85b, Gro87, Gro89a, MB83, MB84, Rob87a]. **FPS-164** [Bur85b, MB83, MB84, Rob87a]. **fractal** [GV89]. **fraction** [Nex84, SW80b, SW84, TB85, Tho04b]. **Fractional** [All84c, AM84a, Gra84a, Chi84b, Hub84b, MNJL84, SK86]. **fractions** [Lee89]. **fragment** [TCS85]. **Fragmentation** [GV89, BTWN87, Rit84a, Sjö82, Sjö84b, Sjö86, SB87]. **fragments** [DKA85]. **frames** [SM84b]. **framework** [Car80, GSS81]. **Franck** [All84a, DK87b, TT82, TT84]. **FRANPIE** [Vaz84, Vaz81]. **Fredholm** [tR85]. **Fredrikze** [BD81]. **free** [CR84a, CHL⁺81, HvRM86, Hof88, Jac85b, Jac85a, Ran86, Ran87a, RWZ87, TW89b, Vaz81, Vaz84, Cro88, Fri88, Tre88]. **free-boundary** [Hof88]. **free-electron-laser** [TW89b]. **Free-Lagrange** [Cro88, Tre88]. **Free-Lagrangian** [Fri88]. **freedom** [SK82, SK84]. **FREESCO** [FR86a]. **Freint** [Gru84d]. **frequencies** [BRTB84, CCR88, Han84f]. **Frequency** [Lee89]. **Fresnel** [Gru84d]. **Freudenthal** [KB84]. **friction** [Vaz81, Vaz84]. **frictional** [Has84]. **friendly** [Vis84b]. **FRITIOF** [NAS87b]. **Frozen** [CCR84a]. **Fscript** [Tau84b, Tau81]. **FT** [AP89]. **FT-NMR** [AP89]. **FTIDY** [BS86a]. **Fujitsu** [MHP84]. **full** [JBWW86, KH89, Tau81, Tau84b]. **full-wave** [JBWW86]. **function** [BD80a, BD84a, Bar84a, Bru85, Bru86, Car89, Col80a, Col84a, DG89, De 84c, DL86, Del84b, Deu84b, Deu84c, Deu84d, Fie80, Fie81, Fie84, HvRM86, Jam80, JR84, Köl84c, LM85, LB84, MS85, MS87a, MS88, Moo81b, Moo84b, New86, Pie82, Pie84a, Tau80, Tau84c, Ten84b, Woo86a]. **functional** [Gir81, GSS81, Ric86]. **Functions** [Cam84c, SM84b, AT84, And84c, AM84b, AM84c, AM84e, BDM81, BDM84, BDG⁺84, Bar81a, Bar81b, Bar82, Bar84b, BFSG84, Bar84c, BS80, BS84b, BD87, BC83a, BC83b, BC84a, BC84b, BCM83b, BCM84b, But89, BC88b, CWS83, CWS84, Cam81, Cam84a, Cam84b, Cam84d, Cat89, CgYpXh85, CM81a, CM84c, Cug84, CDN⁺87, De 88, DGPM85, DFD81, DFD84, DS83, DS84a, Di 86, DF84, Ege82, Ege84, EMR84, FS84d, Gas81, Gas84, Gro89b, Han84c, Han84e, Hel80, Her82a, Her84b, Hib84c, HFG88, HSV84, Jak84, Jam84, Kar80, Kar84a, KM84a, Köl81b, KS84d, Köl84b, KB86b, Lab84d, Les89, Mas83, MM88b, MKS83, MKS84, NP84, Nes84, Nes88, NT84, Odo82, Odo84b, PB84a, Rao81, Rob84b, RBHW84, Sal84c, San82, San84, Sar87, Sea82, Sea84b, Sea84c, Ská81, Ská84, Smi84c, ST84e]. **functions** [SG84c, Ste84c, TTW84b, TR84, Tau84a, Ten85, TB85, TB87, Tho04a, Tho04b, Vaz81, Vaz84, Ver89, Yur84, Zlo89]. **fundamental**

[AMC83, AMC84]. **FURI** [Bar84a]. **Fusion** [Kil80, PDNE88, Atz86, CRPL81, CRPL84, CAR84b, DL87, FNDL89, MPM83, MPM84, Vaz81, Vaz84]. **Future** [Gam89, Hut89, Wen88, Bra87b, Gai89, Gri89, JMS⁺89, Kas82, Lev89, Met85, Nis88, Pat82, Str87]. **Fuzzy** [KK85, KB86a]. **FX** [Par89b]. **FX/8** [Par89b].

G [Eas89, Jes87, Sta87b, Rea84]. **G-exec** [Rea84]. **GAEA** [TTT87]. **galactic** [JN85]. **game** [Tat80]. **GAMM** [Ano82w]. **Gamma** [Hub84d, AWG84, Eks84, FC84b, GTM87, GTMA88, Hub84c, Köl84c, KAR81, KAR84b, Lea87, MRCL84, RSL⁺84, SS84c, SS84d, Szé85, Zlo82, Zlo84a]. **gamma-gamma** [MRCL84, RSL⁺84]. **Gamma-radiation** [Hub84d]. **gamma-ray** [AWG84, FC84b, Hub84c, Lea87, Zlo82, Zlo84a]. **gamma-spectrum** [Szé85]. **Gamow** [VPB82, VPB84]. **gas** [HP83, HP84, MPM83, MPM84, OS84, Rom81, SWHB88, Sea84a, Tho84]. **gaseous** [DE84, PSBG84]. **gases** [Câm82, Câm84g, EK86, PM80, PM84a, TSD84]. **gateway** [Ghi87]. **gather** [Voh88]. **GATO** [BHM81]. **gauge** [Ano87b, Ano89x, AM81, AMC83, AM84d, AMC84, BM82a, BM82b, BM82c, BCM83a, BMR84, BM84a, BMR85a, BLR82, BLR84, CM85, CGGK85, CCS89, CMS83, CMS84, CM83, CM84e, DMM84a, DM87, DMM83, DMM84b, EMM81, Hoe86a, Ken89a, KLS⁺89, KR88, KM85, Mac89b, MMS86, MB83, MHP84, MB84, MT86, VBD88]. **gauges** [Chr84a, Chr84b]. **Gaunt** [Moo84e]. **Gauss** [Rys84, Tak88a, Tak88b]. **Gauss-integration** [Rys84]. **Gaussian** [AAH84, ACR88, HKS83, HKS84, Kol81a, Kol84a, Mat84, Puf83, Puf84, Tau84a, War84]. **Gaussian-type** [HKS83, HKS84]. **Gaussians** [vM84c]. **GEANT3** [Ano87c]. **General** [Fro87, RS80, RS84c, Sil84a, ACD88, And84c, Aue84, Bai86, BSK88, BBC⁺84, BBL⁺84, BCVZ89, Bur84, Cha84d, DS84b, DWVH89, DGJ⁺89, Fro84a, Gra84b, Gup88a, HC83, HC84, HRS81, HRS84, Hib84b, Hib84a, Hib84c, Hib84d, Hib84e, ITR⁺87, JT84a, Jun81, Jun84, Klo84b, Pro82b, Pro84, ST84b, ST82a, ST84c, Ten84b, WB88, WS84b, vM84b]. **general-purpose** [BCVZ89, DGJ⁺89, vM84b]. **generalised** [GV87, Rao81]. **Generalization** [WW84b]. **Generalized** [CKW89, FK86b, FR86b, SK86, SG84c, BHSS84, CL84, Das83, DW89, Dob84, FE88, Gel85, KP89, Mor84c, Pic89, SS84b, YpMzCeCg85, Zlo89, Zoh84]. **generate** [CDW82, CW84b, CDW84, JT83, JT84b, Rob84b, Rob84d]. **generated** [BK84a, CCR88, HSV84, HB88, PZCC89]. **Generating** [Gas81, Gas84, ANP⁺85, BB84c, Ram85, Tau84d]. **Generation** [KS84a, SM84c, Ská81, Ská84, Woo86a, AP80, BF89, BD84d, Bro89, De 88, Di 87, GJ84, Gro89b, Han84a, KKS87, KVW84, LT85, Pis84a, Rap84, SRS85, TBB87, TL82, WP84]. **Generator** [Lab84b, SUZ89, ABM89a, Bro84, CG87, FR86a, FS82, HR83c, HR84d, Jad84, KW84a, Kaw86, KPP81, KPP84a, KPP84b, KCA84, Mar84b, Pis84b, Lab84a]. **genpot** [Ten84b]. **Gentzsch** [And86]. **geodynamic** [Moo83]. **Geomagnetic** [Klu84b, KL84a, Moo84e]. **geometric** [AO88, KK83a]. **Geometrical** [DR85].

geometries [BH85a, HKK84]. **geometry** [Ano87c, Cop84d, Cop84c, Ede84, ELS88, Hub84d, KBMV86, MGD81, MBOK86, Wie86b]. **geophysics** [Har84b]. **GEP** [Bas87d]. **Germany** [Run89]. **GeV** [AGH⁺88, HR86a, HR86b, RR84]. **GFIT** [Zlo89]. **Gflops** [Ano89x]. **GFSR** [ABM89a]. **giant** [CGB⁺89]. **Gilat** [Sim80, Sim84]. **Ginzburg** [Kam84]. **GISP** [Rys84]. **given** [Rob84d]. **GKS** [Osl88]. **glass** [BSDM88, FAK82, HDK84, NHK82]. **glasses** [BC88a]. **GLE200** [SGS⁺89]. **global** [KBMV86, WSV88]. **glow** [Abr88]. **Glowcode** [LNS84]. **glueball** [KMS88]. **GMRES** [Nav89, Wal89]. **Godunov** [ACD88]. **golden** [Le 89]. **GORDAN** [RB84, SM84c]. **Goudsmit** [Vio84]. **Grad** [LWHH82, LWHH84]. **Gradient** [Ano84-85, GLC89, KPP81, OJK89, AKS88a, AKS88b, BMR85b, CKA89, CLL89, EA89, KJ85, Klu84b, KA87, KPP84a, KPP84b, Mat84, Meu89, Sun88, vMF81, vMF84, vM84g]. **gradients** [BLB88]. **grain** [BKD83, BKD84]. **Gram** [O'C84b]. **grand** [BMG⁺85]. **Graphic** [Art85b, MPS81, TTT84]. **Graphical** [Bas87d, BSK88, Bas88, Car88, FMS87, KS87a]. **Graphics** [Hop85, Rue89, Sch89b, Wil88, CGMS89, CN87, Die88, Gou88, HB88, Joh89, KR81, Mye88, Mye89, Osl88, Sch89a, Sta87a, VM89, Via87]. **graphs** [KKS87, Rap84]. **GRASP** [DGJ⁺89]. **Grass** [HD89]. **gravitational** [Cla82b, CH84d, Man87a, ML81]. **gray** [Dun87]. **gray-scale** [Dun87]. **Green** [DS83, DS84a, HvRM86, LM85, LB84, MS85, MS87a, MS88, MKS83, MKS84, RBHW84]. **Grenade** [BSA86]. **grid** [AP80, Bas87c, WMN85]. **grid-search** [Bas87c]. **gridding** [Fri88]. **Gridless** [LTK88, AGR88]. **gridpoint** [LT87]. **grids** [AZK83]. **ground** [And84c, BC88a, HDK84]. **ground-state** [And84c]. **Group** [WW84c, EC84, Gau84a, HM84d, KS84a, KS87a, KR88, MG84, NW84, SM84b, SM81a, SM81b, SM84d, SM84e, SM85b, SM85d, SM85e, WW84a, WW84b]. **group-theoretic** [KR88]. **Group-theoretical** [WW84c, WW84a]. **Grouped** [TL89]. **groups** [ADO84a, BK84a, BLR82, BLR84, GS88, MSFR89, Net84, PZCC89, SM81a, SM84d, SM85c, TS84a, Tho87, YP88, YP89]. **Growing** [RL80]. **growth** [AS89, DE84, DEW84, KM84c]. **Gruber** [Man86]. **Grüneisen** [BMS87]. **guaranteed** [Bri86]. **guide** [AD84, CC84]. **guiding** [GTL⁺86]. **GVSCF** [WB88].

H [Art85b, Eas84b, BS84d, GS89, Joh88, LNB⁺88, RS83, RS84d, WMCH84, vdM84a]. **H.** [BD81]. **hadrin** [HR86a]. **hadron** [BB84b, HR86a, HR86b, RR84]. **hadron-nucleon** [HR86a]. **hadronic** [ANP⁺85, BS87, Odo84a, Odo84d]. **hadronization** [BT89]. **hadrons** [KVVW84, NAS87b]. **half** [Di 86, PIM82, PIM84a]. **half-integer** [Di 86]. **half-life** [PIM82, PIM84a]. **Halftime** [Ott89]. **HAMILTONIAN** [Ste84b, CH88, DK87c, EEV89, FH88a, GWL89, Hib84b, HM84e, MGTD84, ST82a, ST84c]. **Hamiltonians** [Hay89b]. **handle** [Fun84b]. **handling** [SdAD⁺88]. **Hankel** [Cam84d, Joh87b]. **hard** [Fin87, Fre87, Gri87, Lad86, Tru88]. **hard-core** [Fre87]. **Hardcover**

[Ano89h, Lis88]. **Hardware**
 [ABM89a, BGMM81, Hoe89, LEF⁺89, Poe85, WH89, Zac81]. **Harmonic**
 [Rei87, CgYpXh85, Dob84, FT84b, Mar89c, SG84c]. **harmonics**
 [Bra84a, CRL⁺89, Gas81, Gas84, WwYpCg88, WS82, WS84a, dB82, dB84].
Hartree [Fle81, HKS83, HKS84, Irv82, AAH84, ABH⁺84, Bat84, CCR84a,
 CCR84b, Des84a, Fro84a, Fro84b, Fro84c, Fro87, KKLP84, Lab84c]. **HASE**
 [MN84b]. **Hauser** [AXG87, SS84b, Smi84b]. **having** [BZ84, Wai87]. **hazards**
 [Bro83]. **HBOOK** [Les89]. **HBr** [vdM84a]. **HCl** [SAC87]. **heat**
 [GH83, GH84a]. **Heater** [MCJ81]. **heating**
 [AHS⁺86, EP86, MKH86, OCS86, SSF⁺89]. **heavy**
 [Aue84, But84, CJ84, DL87, DP88, EE89, FRS83, FRS84, FKU⁺84, Irv82,
 Odo82, Odo84a, Odo84b, Par84, Sta89, TL84, TUWA84, Vaz81, Vaz84].
heavy-ion [Aue84, DL87, EE89, FKU⁺84, TL84, TUWA84]. **Heermann**
 [Fin87]. **Hehl** [Eas89]. **Heidelberg** [Eas84a, Fin87, Man86, MD81]. **Height**
 [Deu84d, AK84, Deu84a, Deu84b, Deu84c]. **HEIZ** [GH83, GH84a]. **helical**
 [GKM⁺81]. **helically** [HC86]. **helium** [Kno84, RMV89]. **hemispherical**
 [TCS85]. **HEP**
 [AW89, BDJ⁺89, BBC⁺89, CFG⁺87, DP89, DL89, Flu89, Hau87, Her89,
 LGG⁺87, McC87, Mou87, Mye89, New87, Run89, Sne85, Wie89].
HEPDATA [Wha89]. **HEPVM** [McC87]. **Hera** [GST⁺81, Var89].
hereditary [FOW87]. **Hermes** [Coo84b]. **Hermite** [Tak88a]. **Hermitian**
 [KLS85, Nas84]. **Hevol** [Odo82, Odo84b]. **Hevol2** [San82, San84]. **Hewlett**
 [KKLS82]. **hexagonal** [May81, May84]. **Hfater** [MCJ84]. **Hierarchical**
 [Her88a, Mur88, HBF⁺85, OY80]. **Higgs** [Man83b]. **High**
 [BCCM87, IKRT89, LK89, Sch81, Sch83, SC84, UI85, Wat89, Wic87,
 BBE⁺81, BRTB84, BMR85c, Bar81b, Bar84c, BGS81, BGS83, BGS84c,
 BGS84a, BGS84b, Ben84b, BI85, BD82, BD84b, BR85, BKD83, BKD84,
 Boc89, BPSB88, BE89, Bor82, Bor84, Bur87, CR84c, CKV85, Den88, Dob89,
 Dun87, Gal84, Ger80, Gro89a, HIM84, Hin81, IW87, Ing87, Jac81, JMS⁺89,
 Jes82, KAH⁺89, KP81a, Kaw86, KVV84, KSE86, KGAL88, KKT⁺88, Lan87,
 LSW87, LCH⁺81, MT81, Mon87, Nas87a, Nas89, New89, OLR⁺87, PFGP82,
 Poh87a, Poh87b, PS88, Put89, Qua87, RR84, RSS85, Rim81, Rit86, Rob87a,
 RP89b, RP89a, Run89, SM84a, SN84, SDH84, SRS85, Sun88, Van81b, Ves89,
 WPVS89, Wha89, Whi89a, Wil81, Wis87, vD87b]. **High-**
 [Sch83, IW87, Ing87, Ben84b, BI85]. **high-accuracy** [PS88]. **high-energy**
 [BMR85c, Dun87, Gal84, Lan87, PFGP82, RR84, SN84].
high-intensity-laser [Bor82, Bor84]. **high-latitude** [KGAL88]. **high-lying**
 [SDH84]. **high-order** [Sun88]. **high-speed** [CKV85]. **higher**
 [BB84b, DHN84, FOW87, Ros85]. **higher-order** [DHN84, Ros85]. **highly**
 [BMR84, Hof88, Kri89, Ost85, RA82, RA84]. **HIGZ** [Joh89]. **Hilbert**
 [GWL89, Lan80, Tau80, Tau84c]. **Hilbert-space** [GWL89]. **Hilger**
 [Duc86, Eas82, Lis88]. **Hill** [Taj86]. **Hirota** [Ito88]. **histogram** [BEM84].
histograms [Cha80, vM84f]. **Historical** [You89]. **HOBO** [Cla88]. **Hockney**
 [Eas82]. **hold** [Her89]. **Holland** [Bra86, Tru88]. **Holt** [Eas84b].

homogeneous [KS84f, Ugn80]. **homonuclear** [Lad86, SLH84]. **HONDO** [DWVH89]. **horizontal** [Cop84c]. **Horwood** [Jes87]. **hot** [Ber80, FM84, KBMV86]. **hot-plasma** [KBMV86]. **Householder** [BM85b]. **HP** [Jud87, KKLS82]. **HP-1000** [KKLS82]. **HPLAS** [WMCH84]. **HTR** [KK85]. **huge** [BLMU81]. **Hull** [Duc86, AN87]. **human** [BJM89, Nag89]. **hump** [Jam86b]. **Hurwltz** [GV87]. **hybrid** [BT88, CCR88, OSF86, SAVV87, SSF⁺89, TTAT81, TS84b]. **hydro** [LK88]. **hydrodynamic** [KL84b]. **hydrodynamical** [FM84]. **Hydrodynamics** [Ben88, JN85, MPM85, RSMTV88, Tre88]. **hydrogen** [BBH⁺84, BW87, CT82, Kar80, Kar84a, LHP87, MLS84, MLo84, MLo84, Mal84, SG89, Tal84b, VC88]. **hydrogen-like** [LHP87, MLS84, MLo84, Tal84b]. **Hydrogenic** [Lew84b, FS84b, Jam84, Moo84h]. **hydrostatic** [Moo80, Moo84c]. **Hymnia** [Gru84a]. **Hymniablock** [Gru84b]. **HYMNISBLOCK** [Gru80]. **hypercube** [Sco89]. **hypercubic** [CM85]. **hyperfine** [GH84b, Nai84, Nai86]. **hypergeometric** [Rao81]. **hyperspherical** [CgYpXh85, KPP⁺89, WwYpCg88]. **hypersurface** [BP84b]. **hypersurfaces** [BMV83, BMV84]. **hypervirial** [VC88].

IAEA [Kil80]. **IBM** [Bas88, BTS84a, CHS87, Com80b, Ghi87, Gri89, Gro89a, HRR84, Jud87, LBK88, NA84, Suc87]. **IBM-FPS** [Gro89a]. **Ibmol** [OCC84, OCC80]. **Ibmol-7** [OCC84, OCC80]. **ICCG** [KPP81, KPP84b, vdV89]. **ICCG2** [AS83, AS84]. **ICCG3** [And83a, And84a]. **ICL** [AWB82, Del85, JN85, KSG82, Par82, WB82]. **ICL-DAP** [WB82]. **Iconic** [Ves89]. **ICRF** [EP86, IFI84, JBWW86, KM86, PT86]. **ICRH** [KBMV86]. **IDA** [Bur87]. **ideal** [DM86b, FBW82, GPS⁺81, HW84b, KW84b, Man86, Ods84, TBG80, WH81]. **identical** [BB84c]. **Identification** [Bun86, OVQT⁺84, Fia84, IA86, KAR81, KAR84b, Ran86, Ran87a, RWZ87, Ran87b]. **identifying** [SCC⁺88]. **IEEE** [KKLS82]. **IEEE-488** [KKLS82]. **IHEP** [Ezh84]. **II** [AF82, AF84c, BGS83, BGS84a, BDK86b, Bra84d, BGGW⁺89, DSK84a, Deu84b, Fin82, Fin84a, Han84c, Han84d, HM84d, KKP82, KKP84, KN84b, KPPR84, Lab84b, MLo84, MW84b, MW84c, Nai86, PS84b, Rob84e, RP89b, SS84b, Sil84b, WP84]. **III** [BGS84b, BDK86c, Deu84c, Han84e, Han84f, HM84e, Lab84c, Pia84, Rob84f, SMD84, Wil84c]. **illustrations** [Ano87j]. **ILTHII** [Sal84b]. **ILUBCG2** [CKA89, KA87]. **ILUBCG2-11** [CKA89]. **ILUCG2** [SA83, SA84]. **ILUCG3** [And83b, And84b]. **IMA** [Gri87]. **image** [AWB82, BC88b, Män89]. **images** [Cre80b, Cre84c, MD82, RSP81, RSP84, SCC⁺88]. **imaginary** [FRS83, FRS84]. **immersed** [FM84]. **Impact** [CSW84, Pou88b, AP82, AP84, GPS84, MMM84, Nob80, Nob84, Pia84, PS84b, ST81, ST84a, LS84]. **impacts** [Wil81]. **impedance** [BCM84a]. **Implementation** [Bas88, BM85b, Com80a, Com84, CGMS89, CM83, CM84e, FBS88, KC81a, KC84b, KN86, NR86a, ABM89a, ABG81b, Car88, DM87, DGO83, DSSS86, FS80, Hel82, Jes85, Joh89, KC81b, KC84a, MD88, MB83, MHP84, MB84, Par89b, Put89, RHM⁺89, Suf89, WH89, Zie88, DSK84a]. **Implementations**

[Wal89]. **implemented** [CG87, KW84a, MMM85]. **Implementing** [PCM85, Rus86, SG81, Sco89, KS84a]. **implications** [Kra86b]. **implicit** [HL88, She84]. **importance** [KVW84]. **Improved** [BI85, BT89, Cop81, Cop84b, CVvWF86, WW84a, Ber80, BL88, CCS89, Di 86, Fro84c, Joh87b, KRSV82]. **improving** [PIM82, PIM84a]. **impurities** [BSV⁺85]. **impurity** [SVP86]. **inclination** [Fer89]. **including** [BS83, BS84a, Coo84b, DHN84, FNDL89, JW85]. **Inclusion** [Hib84b, Hib84a, Sax84b, Sax84a, Odo82, Odo84a, Odo84b, Odo84d, San82, San84, Tat80]. **inclusive** [MT84b, MT84a]. **incoherent** [SR84b]. **incomplete** [KPP84a, KPP84b, Oya86, KPP81]. **incompressible** [For89, Kir87, TL89]. **incorporate** [Fun84a]. **incorporating** [ST82a, ST84c]. **increase** [Hub84f]. **incremental** [Nag85]. **indefinite** [Nav89]. **independent** [BT89]. **Index** [EBS88, Ano80b, Ano80c, Ano80t, Ano80u, Ano81a, Ano81b, Ano81c, Ano81d, Ano81u, Ano81y, Ano81v, Ano81w, Ano81x, Ano82d, Ano82e, Ano82f, Ano82-28, Ano82-30, Ano82-29, Ano83b, Ano83c, Ano83d, Ano83p, Ano83q, Ano83r, Ano84c, Ano84d, Ano84e, Ano84f, Ano84i, Ano84-78, Ano84-79, Ano84-80, Ano84-81, Ano84-87, Ano85b, Ano85c, Ano85d, Ano85e, Ano85z, Ano85-27, Ano85-28, Ano86a, Ano86b, Ano86c, Ano86d, Ano86-31, Ano86-32, Ano86-33, Ano86-34, Ano87e, Ano87f, Ano87g, Ano87h, Ano87i, Ano87x, Ano87y, Ano87z, Ano87-27, Ano87-28, Ano88c, Ano88d, Ano88e, Ano88f, Ano88-31, Ano88-32, Ano88-33, Ano88-34, Ano88-36, Ano89b, Ano89c, Ano89d, Ano89e, Ano89f, Ano89g, Ano89y, Ano89-29, Ano89-30, Ano89-31, Ano89-32, BLB88]. **induced** [BLB88, FKU⁺84, TL84, TUWA84]. **induction** [Klu84b]. **industrial** [Fli89, KB86a]. **industry** [Sto89]. **inelastic** [AGH⁺88, Arn84b, BKvLSE80, BKvLSE84, Bar83, Bar84e, EM84a, EE89, Fun84a, Han84d, HR86a, HR86b, Hof84a, JT84a, Keg81, Keg84, Nov87, SUZ89, SR84b]. **inequalities** [KS84f]. **inertia** [ADV81, ADV84]. **inertial** [MPM83, MPM84]. **infinite** [Hay89b, Lan80]. **infinite-dimensional** [Lan80]. **Influence** [Reg81, Vie88]. **information** [BHSS84, Chi89, DSK84a, Ebe84, Eck84, HM84d, Rob84f]. **informative** [Mir84]. **infrared** [MW84a, MW84b, MW84c, Wil84a]. **inherent** [Bir85]. **inhomogeneous** [Cap86a, Cha84d, Che89]. **Initial** [ADV81, ADV84, CR84d, DK87a, Odo84a, Odo84d, RD80, RD84]. **initial-value** [CR84d]. **initio** [CC89a, Cio89, OCC84, OCC80]. **injection** [ABD82, ABD84, DST80, DST84a]. **INJLOK** [DST80, DST84a]. **Inner** [Hay83, TS84a, Tho87, KB84]. **inorganic** [Ber84a]. **INPLO** [Die88]. **input** [Sax84a]. **instabilities** [KGAL88]. **instability** [CHL⁺81, HR81]. **instructions** [Ano80g, Ano82i, Ano86f]. **instrument** [Han84b]. **instrumentation** [HR84b, Ska82]. **integer** [AM84b, AM84e, Di 86, KCA84]. **integers** [Poe85]. **integrable** [GSZ85]. **Integral** [Ano84-85, BD82, BD84b, BTS84a, BTS84b, FS84a, FC84a, Jab84, Kos80, Mor84e, MR84b, OTB80, OTB84, Pro82b, Pro82a, Pro84, Ste84c, Yur84, dB82, dB84, tR85]. **Integrals** [EBS88, MLS84, MLo84, Sch86d, SB82, AT84, AB88, Ben82, Ben84a, BDD84, Com82, DF84, FR86b, Gio84, Gol84b, GRRP83, GRRP84, HC83, HC84,

HBJ84, Hib84b, Hib84a, Hib84d, Hib84e, Lew84b, Mat84, Moo84e, Nes88, NA84, Nob80, Nob84, OS84, Pic89, Pie82, Pie84a, Sch86c, ST84e, Stu88, TT82, TT84, WB84, Yur84, ZDN84]. **Integration** [GPS84, Gli82, HD86, IGB⁺89, NBI⁺85, Pia84, AEH87, CR84c, CR87, CM81b, CM84f, DS89, DM88b, Fog82, Fog84, GJ84, Gen82, Gru84d, Kal82, KK88, Luc84, Mor84e, NP84, Phi80, PB84b, RC85, Rys84, Sim80, Sim84, TV86, Vrb89]. **Integrative** [TTT84]. **integrator** [NP84]. **integro** [CSW84]. **integro-differential** [CSW84]. **intelligence** [BE89]. **intensities** [Bla84, Bor82, Bor84, Cop81, Cop84b, FHMR84, FK84, Fer84, Hof84b, Hof84a, Le 89, SP86, TK84, TK80]. **Intensity** [Deu84a, Deu84c, BB84a, BRT84, Bor82, Bor84, EHH88, Fer89, He84a, IL84, Lan84b, MT81, ÖW84, RS84e, RS84f]. **Intensity-correction** [Deu84c]. **Inter** [BDD84, KS84a]. **inter-correlation** [KS84a]. **Inter-electron** [BDD84]. **interact** [Sch89a]. **interacting** [MM88b, Rid84a]. **Interaction** [BH88, BGMP84, BZ84, Cis87, DS83, DS84a, DK87c, FRS83, FRS84, FT84a, FKM⁺87, GTM87, GH83, GH84a, Gia84, GWL89, HKT85, Hib84c, HFG88, Jam84, Klo84b, KH89, KS86b, LT87, MV83, MV84b, Nai86, Poo83, Ras80b, Ras84b, Rit86, Sax84c, SNC80, SNC84, SUZ89, TTL88]. **interaction-prepared** [GWL89]. **Interactions** [Fin84b, NAS87b, Ter88, AGH⁺88, Fin80, FS85b, HR86a, HR86b, KGAL88, Laa86, Ste84c, SAC⁺86, YMW89, vM84f]. **Interactive** [Mye88, VDM84b, AK84, BGMM81, Ber87c, BE89, Bur87, Die88, MPS81, VM89]. **interchange** [Van89]. **interdisciplinary** [Lid84a]. **interelectronic** [MR84b]. **interface** [ACR88, BH81, BH84a, BJM89, Les89, MS85, MS87a, Nag89, Zal85]. **interference** [FB84]. **interferometer** [He84a]. **interior** [CC84]. **Intermediate** [Cla84]. **internal** [BHM81, CH88, DHN84, DH84a, MPIM86, PR84, Sch83]. **International** [Bra86, Lid84a, Pou88b]. **interpolation** [AAMB84, BKK86, CR87, Cha82, Cha84c, CM84b, CP81, CP84, DU89, Her82a, Her84b, Moo84d, Tor82, Tor84, Wai87]. **interpret** [vM84g, vM84i]. **Interpretation** [Jam80]. **interpreter** [Rom81]. **intersection** [Wie86b]. **interstellar** [BS84d, SG83, SG84b]. **interval** [Sch85c]. **intrinsic** [ABH⁺84]. **introduce** [OCC80, OCC84]. **Introduction** [Ros84b, Tou89, Eas80, FMS87, Mon88]. **Invariance** [DK87c]. **invariant** [Jab84, Mor84e]. **Invariants** [SM85d]. **inverse** [Das83, Di 87, Gel85, GH83, GH84a, KMS88, MC85]. **Inversion** [FS84a, FC84a, LM81, BD82, BD84b, DeG88, Gae81, Hof84a, LL84, MN88, MNR89, RRG88]. **inverting** [Pro82b, Pro82a, Pro84]. **Investigation** [KPST89, Dec89, FOW87, MLS81]. **investigations** [CMM84]. **involved** [Hei84, MLS84, MLo84]. **involving** [AHVV86, Bas87a, WS80]. **Ion** [CCR88, Aue84, BGS81, BGS84c, But84, DL87, DP88, DM86a, EE89, FRS83, FRS84, FKU⁺84, FSR84, GS89, IP88, Irv82, KGAL88, KN84c, LH88, MRW84, MM84a, NJ82, NJ84, Sal82, Sal84e, SAVV87, SG89, TL84, TUWA84, TS84b]. **ion-atom** [BGS81, BGS84c]. **ion-ion** [SAVV87]. **ion-molecule** [LH88]. **Ionic** [Ric84, BMS87, Ric82, SF84b]. **ionisation** [Bor82, Bor84, Mag84a].

ionization [Mag81, MF81, MRC85, MC84a]. **ionized** [EK86, WW80].
IONMIX [Mac89a]. **ionographic** [OVQT⁺84]. **ionosphere** [Bla88]. **ions**
 [AF82, AF84c, Fin82, Fin84a, FS84b, LCW84, LHP87, RS83, RS84d, Sko84,
 Ste84b, Tal84b, Ter88, Vaz81, Vaz84]. **IPPP** [ENSC86]. **iron**
 [McN81, McN84]. **irradiated** [Bor84, Keg85]. **irradiation** [Bor82].
Irreducible [Wor84b, EC84, Net84, PZCC89]. **irregular**
 [Bar81a, Cis87, Nes84]. **ISAS** [Nis88]. **ISBN**
 [Ano89h, Art85a, Eas84a, Eas89, Fin87, Gri87, Jes87, Rob85, Sta87b]. **Iserles**
 [Gri87]. **ISING** [CMO86, ABM89b, AS89, BC88a, BSDM88, Car89, CGG87,
 CMM84, CM86, DM89b, HDK84, HD88, NHK82, Wan87]. **islands** [RG86].
isoelectronic [Kno84]. **Isometric** [Cho84]. **isospin** [Hub84b]. **issues**
 [Boc87, Kun89]. **iterated** [Sea84b]. **iteration** [Cam84e, TL89]. **Iterations**
 [BBR89a, KPP⁺89]. **Iterative** [BCD⁺89, DWC⁺89, You89, BT84a, For89,
 KRSV82, LP89, SC89, She84, ST82b, ST84f, WMH82].
iterative-variational [SC89]. **iteratively** [Tol85]. **IV**
 [Deu84d, Lab84d, LH88, NW84, SR84a, SDH84, WW84b]. **Ixaru** [Art85a].

J [And86, Ano89h, Bra86, Duc86, Eas84b, Eas89, Gri87, Jes87, Lis88, Sta87b].
Jacobi [CC89a, DW89, MP82]. **Jacques** [Man86]. **JADJAD** [AGH⁺88].
JAJOM [Sar84c]. **Japan** [KAH⁺89, Wat89, UI85]. **Jesshope** [Eas82]. **jet**
 [Gal84, Sjö82, Sjö83, Sjö84b, Sjö84a, Sjö86, SB87, Str81, TW81]. **jets**
 [Odo84a, Rit84a, Rit84b, Gal84]. **jetset** [Sjö86, SB87]. **JJ** [Cha84e].
JJ-coupling [Cha84e]. **journals** [Van89]. **jump** [Moo84d]. **JWBK** [Sea84b].

K-L-atomic [AGF87]. **K.d.V.** [vTBF84]. **Kac** [Cha84a]. **Kadomtsev**
 [MLS81]. **Kalman** [Bil89, Sta89]. **Kalman-like** [Bil89]. **kaon**
 [Lan84a, Lan82]. **Kármán** [Sch84b]. **KBr** [vdM84a]. **Keller** [Eas84b].
Kerbel [Sta87b]. **kernels** [Eri85, LM85]. **Kerr** [ACR88]. **Kerr-like**
 [ACR88]. **keV** [SMMP86]. **key** [WHD86]. **Killeen** [Eas84b, Sta87b].
Killingbeck [Duc86]. **kind** [Köl81b, Köl84b, Kos80, PJ89, tR85].
Kinematical [WMC84]. **Kinematics** [Ass84, Bra84c, Bra84b, DM87].
Kinetic [BLM⁺88, Sta87b, AS89]. **kinetics**
 [Das83, DST84b, HLM⁺87, Rob80b, Rob84c]. **kink** [Sch83]. **Kirchhoff**
 [Art85b]. **Klein** [Bar81b, Bar84c]. **Knowledge**
 [Cam86, Stu85, BCF⁺89, DG89, Mik86]. **Knowledge-based**
 [Cam86, Stu85, BCF⁺89, Mik86]. **Korteweg** [SBFI87]. **Kostomarov**
 [Sch86a]. **Kotani** [MG84]. **Kramers** [CT84b, Col84b, KN84a]. **Kronig**
 [CT84b, Col84b, KN84a]. **Kubik** [Pis84b, Pis84a]. **KWIC** [Ano89y].

L [AGF87, Gas81]. **L-harmonics** [Gas81]. **labelling** [MPS84]. **laboratory**
 [CSMHT88, HR86a, HR86b, KKLS82, THH82]. **ladder** [Sil84b]. **Lagrange**
 [Cro88, TBB87, Tre88]. **Lagrangian** [Atz86, Fri88, MT81, WHW87].
Laguerre [Tak88b]. **LAN** [Gam89]. **Lanczos**
 [CKW89, GWL89, HW84a, KPP⁺89, KWPP89, Nex89, NO89, PNO89, Sco89].

Lanczos-like [Sco89]. **Landau** [KS08, Bie83, Bie84, Kam84, KS84d, KS84e, Sch84a]. **Landau-Fluxoids** [Kam84]. **Langdon** [Taj86]. **Langevin** [GS88]. **Language** [PCM85, WHD86, Zal85, BF89, CRV⁺89, CPL89, LK89, LU83, LU84, WPVS89]. **Languages** [IKM85, Per82, Dow82a, LT85, Rus87, Sch85a, Sch88c, Sch85b, Whi89a, Wil86]. **Lanthanide** [Ste84a]. **Laplace** [MN88]. **Laplacian** [O'C84a]. **Large** [Blo82a, Blo82b, BBC⁺89, Duc80, FBW82, FS80, GWTM83, Kas82, MR87, Pat82, BWBL88, BMR85b, BLM⁺88, BDK86c, Boc87, CH87, CGG87, CH84c, GDK89, Hoe86b, KLS85, Man87b, Mas83, MKRJ89, Poe85, Saa89, SN84, Sch87a, SC89, Sch85c, SM89b, TTT87, Tol85]. **Large-scale** [Kas82, MR87, BLM⁺88, CH84c, SN84]. **largest** [HD86]. **laser** [Atz86, Bor82, Bor84, BLB88, CW84c, CAR84b, DST80, DST84a, DST84b, DH84b, GH83, GH84a, MT81, MCJ81, MCJ84, Rob80b, Rob84c, RS84a, Smi84a, TGA88, TW89b]. **LATEN** [JP84b, JP80]. **Lateral** [Ugn80, MRW84]. **latitude** [KGAL88]. **Lattice** [Ano84-83, BMR85a, KN84c, KN84b, NJ82, NW84, NJ84, Sch87a, Ano87b, Ano89x, AM81, AMC83, AM84d, AMC84, Bai87, BM82a, BM82b, BM82c, BCM83a, BMR84, BM84a, BLR82, BLR84, BKHJ83, BPR⁺86, BS86b, BCCM87, CM85, CGGK85, CCS89, CMS83, CMS84, CM83, CM84e, DMM84a, DM87, DMM83, DMM84b, EMM81, FAK82, HM81, HM83, HM84a, HM84b, Hoe86a, HM84c, IHS⁺88, JP80, JP84b, Ken89a, KLS⁺89, KM85, Mac89b, MMS86, May81, May84, MB83, MHP84, MB84, MT86, NHK82, NFH⁺88, ÖW84, Oya86, RL80, Sal85, VBD88, WW84a, WW84c]. **lattices** [DM89b]. **Laue** [CA84, Pre84a, Pre84b]. **laws** [Krá86b]. **Lax** [EFES81, Ito85]. **layer** [AP80, RS84e]. **layer-by-layer** [RS84e]. **layered** [Chr84b]. **layering** [Ric86]. **layers** [GS83, Sko84]. **layout** [Ano84i]. **LCGO** [WC84]. **LCGTO** [BT84a]. **LEAD** [Bla84]. **leading** [San82, San84, Vrb89]. **learned** [FP89]. **learning** [Köb89]. **least** [Bok84, CAP86b, Han84f, LM84, O'C84b, RFSG84b, Sha87, WS84b, Woo86b, vM84c]. **least-squares** [CAP86b, RFSG84b, vM84c]. **Leed** [RS84e, Hof84b, Hof84a, RP89b, RP89a, RS84f, SP86, TK84, TK80]. **Legendre** [Bra84a, Del84a, SNC80, SNC84]. **Leiss** [ASM84, ASM80]. **lengths** [JP84a]. **lenses** [Len80]. **LEP** [Odo81, Odo84c, Wil89]. **lepton** [BDK86b]. **leptonic** [LO86]. **letter** [Ram85]. **level** [AFH84, AF84a, AF84b, BCKO89, CDF⁺89, LK89, MN80, Par89b, RFSG84a, RFSG84b, Vio84, WPVS89, Wil84b]. **levels** [CH87, CH88, DK87b, JT83, JT84b, LHP87, MGN80, MGN84, SDH84, Ten83, Ten84b, Ten84a, Ten86]. **Levenberg** [BP84b]. **LEVI** [Ran87b]. **Levin** [BRB89, Gro89b]. **Li** [LH88]. **liana** [Smi84b]. **libraries** [Her84a, Nev82, Sta87a]. **library** [Ano86n, BJ81a, BJ81b, BJ84a, BJ84b, DD85a, Jac80, Jac85b, Jac85a, LB82a, SFB87]. **Lie** [Ran87a, Sch84c, CT89, DVD87, EFK85, FK86a, Ran86, RWZ87, Ran87b, Sch82b, Sch84b]. **lies** [Woo85]. **life** [PIM82, PIM84a, Tau85]. **lifetime** [KEMP81, KE84b, KEMP84, KE84a, Puf83, Puf84, VDM84b, War84]. **lifetimes** [IL84, MC81, MC84b]. **light** [HE84b, RS84a]. **like** [ACR88, Bil89,

CC89b, IR80, LHP87, MLS84, MLo84, Moo84h, Sch85c, Sco89, Tal84b].
likelihood [Jam80]. **limit** [BGMP84, GB87, GKM⁺81, Jam88]. **limitations** [Kal83]. **limited** [Han84c, Han84e]. **limits** [GPS⁺81]. **LINDA** [DKA85].
line [BS84c, CRH⁺89, CGM89, CGGK85, CGMS89, DG89, Duf84, GPS84, Kri89, KK84b, Mas81, PF86, PS84b, RF83, RF84, SN84, SdAD⁺88, Sta87a, Tal82, Tal84a, Van81a]. **Linear** [Bir85, Gou88, HR81, HW84b, AS83, And83b, And83a, AS84, And84b, And84a, AKS88a, AKS88b, AHVV86, CL84, CKA89, EPS81, Ede84, FR82, HVS87, Jes84, Kir87, KS84f, KA87, Kon84, KRSV82, Lan80, MGD81, Man86, MCA87, MGK86, MBOK86, Nav89, Pro82b, Pro82a, Pro84, Rit86, RRG88, RS80, RS84c, SC89, SA83, SA84, SK82, SK84, TC87, WMH82].
linearization [SFP86]. **lines** [Ata85, BS84d, CCR88, MMO89]. **link** [GDK89, MRT89]. **link-cell** [MRT89]. **Linkage** [Com80b]. **linked** [WS80].
links [BBD⁺89]. **Liquid** [PI84, AGF87, CLL89, Fre87, GTG81, GTG84, GTM85, GTM87, GTMA88, Isl81, Isl84a, Isl84b, ZR89]. **liquids** [AF82, AF84c, Fin80, Fin82, Fin84a, Fin84b, Laa86, VH87]. **LISP** [BGM87, CT89]. **List** [Ano80e, Ano82x, Ano82y, Ano85u, Ano85v, Ano86-28, Ano88x, Ano88w, Ano88y, Ano88z, Ano89z, Ano80f, Ano88h]. **lists** [KS81, KS84b]. **lithium** [Keg85]. **living** [Phi86]. **Liviu** [Art85a]. **loading** [KL84b]. **Local** [Ger88, HC88, Hel80, Cis87, FH88a, KKLP84, LZ84, OCC80, OCC84, Ste84c, WGM83, WGM84, You87, ZL84]. **localization** [KM86, Sch87b]. **Localized** [BWBL88]. **Locating** [BP84b]. **location** [HAG⁺89]. **locking** [DST80, DST84a]. **log** [DK87a]. **logarithm** [Köl84c, MC85]. **logic** [DGK⁺81, Gje81, KK85]. **London** [And86, Ano89h, Fin87]. **long** [FS82, FS85b, MKRJ89]. **loop** [BCM83a, RFS89, Stu88]. **loops** [CMS83, CMS84, ST89b]. **loosely** [Bai87, Gro87, Gro89a]. **Lorentz** [Jab84]. **Lorentz-invariant** [Jab84]. **Lorentzians** [vM84c]. **loss** [AP82, AP84, CJ84, SMMP86, Sko84].
LOUHI78 [RS80, RS84c]. **Low** [BMS87, Eas88, JHRR87, BGMP84, Bla84, BKR88, Fri88, MRC85, RP89b, RP89a]. **low-dissipation** [BKR88]. **Löwdin** [MV81, MV84a]. **lower** [CCR88, OSF86, SSF⁺89]. **lower-hybrid** [SSF⁺89].
lowest [BDK86b, BDK86c]. **LPOTp** [PSL88]. **LPOTT** [Lan82, Lan84a]. **LS** [Cla84, Dya86, Rid82, Rid84b]. **LS-coupling** [Rid82, Rid84b]. **LSFBTR** [Tal83, Tal84c]. **LSI** [Ska82]. **LSI-based** [Ska82]. **Ltd** [Duc86]. **LTE** [Hub88, Mac89a]. **LUCIFER** [IW87]. **LUCY** [MD88]. **lumped** [Ver89].
Lund [BS87, NAS87b, Sjö82, Sjö83, Ben84b, BI85, Sjö84b, Sjö84a, Sjö86, SB87].
lying [SDH84].
M [Eas84b, FV81, Gri87, Nad86a, Sta87b]. **M.Q.D.T.** [RA82, RA84]. **M1** [BF84, HK83, HK84b]. **MAC** [Del87]. **machine** [AS89, Bar81a, BGM87, CKT89, Ost85, Gur85]. **Machines** [Mac89b, Buz85, DD85a, Köb89, LS84, Tem82]. **Mackeown** [Lis88]. **macpar** [Rit86]. **macroassembler** [Tar86]. **macromolecules** [LNV84].

macroparticle [Rit86]. **macroscopic** [Tat80]. **MACSYMA** [Ros85, RW86]. **made** [He84a]. **Madelung** [JP84a, ÖW84]. **magnet** [ABD82, ABD84].

Magnetic

[CO86, Lee82, Lee84, LB82b, BCFK85, BM84b, BJ81a, BJ84a, CT82, EPS81, Frü81, Gol84a, Hub84e, Hub84f, JBWW86, Kar80, Kar84a, Klu84a, KP84, McN81, McN84, Mik84, MMO89, ML81, Sea84a, vM84e, Nai86].

Magnetically [Sta87b]. **magnetisation** [BC88a]. **magneto**

[TDS81, TDS84]. **magneto-plasma** [TDS81, TDS84].

magnetohydrodynamic [ABG⁺84, IK81, HH82, HL86, Lao84].

magnetohydrodynamics [Goe81, Man86]. **magnetoinductive** [GTL⁺86].

magnetosonic [PPHS86]. **Magnetosphere** [Bla88, KGAL88].

Magnetosphere-ionosphere [Bla88]. **magnetotail** [Swi88].

magnetotelluric [KS84c]. **mainframe** [Ast87]. **mainframes** [Mee84].

maintain [BJ81a, BJ81b, BJ84a, BJ84b, Jac85b, Jac85a]. **maintenance**

[CHS87, PS88, Tau84a]. **Making** [BvSW84, HR84b, JHRR87, SDH84]. **man**

[Ano89a]. **management** [BBR89b, Eld84, Gau84c, Kun89, LK89, Maz89,

MP89, OLR⁺87, Pla86, QTZ⁺87, Ros84b, Rus86]. **managing**

[Man87b, Nas87a]. **Manchester** [Gur85]. **mandy** [SS84b, SMD84].

Manipulation

[FK86b, BO80, BEM84, DNR83, DNR84, SMM89, III88, YP89].

manipulations [CT89]. **Manual** [DFD81, DFD84, EK84, Pis84b]. **Many**

[Rap85, Gir81, Lew84d, MGM87, MBW89, NP84, SMM89, Sil84a, Sil84b,

WS80, Wil84c]. **Many-body** [Rap85, MBW89, Sil84a, Sil84b, WS80, Wil84c].

many-electron [Lew84d]. **map** [CM88]. **Maple** [Gro89b]. **Mapping**

[Wie86b, Goe81, KK83a]. **maps** [CM88, ST84d]. **Marcel** [Art85b]. **March**

[And86]. **mark** [BGGW⁺89]. **Markov** [Kra86a]. **Marquardt** [BP84b].

Maser [Le 88]. **mass** [DSSS86, JW85, KL84b, TCS85, Wil81]. **masses**

[Jab84, KMS88, WwYpCg88]. **massively** [LTK88, Mat87, Ves89, Gal85].

master [Ano84i]. **matching** [BSP84, Hof84b]. **materials**

[DS83, DS84a, Han84b, Han84c, Han84e, Rei87, Sta89]. **Mathematical**

[Nev82, But89, HHK86, LU83, LU84]. **mathematics** [Ano89a]. **matrices**

[BH82, BH84b, BTS84b, BS86b, Cho84, Gad85, Gru80, Gru84b, Han84a,

Hen84, KLS85, MG84, Nex80a, OTB80, OTB84, Ruf85, Sar84a, Sar84b,

Sar84c, SM89b, SM81b, SM84e, SM85b]. **Matrix**

[BH88, DR82, Hod84, ST84c, SFP86, Sho84, AS83, And83b, And83a, AS84,

And84b, And84a, AKS88a, AKS88b, Arn84b, BBM82, BBM84, Bas87b,

BBC⁺84, BBL⁺84, BOT86, Bou87, BC84c, Bra84d, Bru85, Bru86, BW87,

CH87, Cha84e, Cla84, Das89, Dav89, DeG88, DK87c, EEV89, FH88a, FS84c,

Gel85, Gru84a, HM84e, Jam84, Klo84b, Klo84c, Kol81a, Kol84a, KA87, KM82,

KM84b, Lab84a, Lew84d, MP81a, MP84a, Mor84c, Nas84, Nex89, Par84,

PT82, PB84b, Pol88, PGB84, RW84, Rob84a, SP87, Sal84c, SS84a, Sax84b,

Sax84a, Sax84c, ST84b, SG81, SB82, ST82a, SA83, SA84, Sho81, SMC81,

SMC84, Sta84, Sun88, TAK⁺85b, Ten85, TBB87, Tol86, YP89, Hof84a].

MATSUP [Ben82, Ben84a]. **matter** [RR84, SMMP86, Sko84]. **Maxentwdf**

[DL86]. **maximally** [IB87]. **maximum** [DL86, SM82, SM84f]. **Maxwell** [LW84a, MN80]. **Maxwellian** [LW84a, TDS81, TDS84, WL84]. **may** [De 84c]. **MB** [Nog83]. **MC** [PBKW85]. **MCBP** [BGMP84]. **McCoy** [Sta87b]. **McGraw** [Taj86]. **McGraw-Hill** [Taj86]. **MCHF** [FS84d, HFG88]. **MCL** [CPL89]. **McMOLDYNH** [Laa86]. **McMOLDYNH/2O** [Laa86]. **MD** [AB86, BA86, MRT89, PBKW85]. **MDAI** [NP84]. **MDIONS** [AF82, Fin82, Fin84a]. **me** [Lev89]. **means** [Hel80, IKRT89, tR85]. **Measured** [Cha85]. **Measurement** [Per89, FS82]. **measurements** [AGG⁺82, BCM84a, FR84, Frü81, HR84b, MC81, MC84b, PDNE88]. **Measuring** [MT86, TV86, VKM⁺82]. **mechanical** [ACC⁺86, BTS84b, DWC⁺89, NBI⁺85, OTB80, OTB84, RSA84]. **mechanics** [And86, Ano82w, CCD85, Lee89, LL84, Duc86, Eas80]. **mechanisms** [ENSC86]. **media** [Che89, Chr84a, Chr84b, KK84b, Sch87b, Ugn80]. **medium** [Car80, ELS88, vM84d]. **medium-scale** [Car80, vM84d]. **Medusa** [CAR84b]. **Meeting** [Kil80]. **Meiko** [BDJ⁺89]. **Mellin** [MN88]. **memories** [Köb89, Par89a]. **memory** [Dob85, GWTM83, LK89, LS84, Nas89, Ott89]. **meridional** [Cap86a]. **MERLIN** [PCL89, ERLD87]. **MERLIN-2.0** [PCL89]. **mesh** [BSA86, EHL80, EHL84, Luc84, Pis84a, Pis84b]. **meshes** [Wie86b]. **meson** [HR84a]. **metal** [BCFK85, CR84b]. **metals** [DBB84, Isl81, Isl84a, Isl84b, MV83, MV84b, RMV89]. **Metcalf** [Nad86a]. **meteorology** [Nav89]. **Method** [FBS88, FBS89, Rib80, ACD88, ASM80, ASM84, AGR88, ABG⁺84, AI86, Ata85, AZK83, BM82a, Bar82, Bar84b, Bas87b, Bas87c, BP82a, BP82b, BP84b, BP84a, BD80b, BD81, BD84c, Ber80, BBC⁺84, BBL⁺84, BWD84, BL88, BdCP81, BKR88, CL84, CH87, CH88, CR84c, CR87, Col80b, CM84d, CT84b, Col84b, Cro88, DW88, DHD84, DGO83, DU89, DRRvB82, EFES81, EFES83, EA89, FS84a, FV81, Gad80, GR81, Got83, Hay83, Hay89a, HRS81, HRS84, HM81, HM83, HM84a, HM84b, HvRM86, Hof84a, HVS87, HLM⁺87, IB87, Joh87b, Joh88, KKP82, KPH84, KKP84, KVV84, Kla84, Kon84, KRS83, KK83b, KWPP89, KMS88, KPP81, KPP84a, KPP84b, Lao84, LK88, LNB⁺88, Len80, LT87, Meu89, Mik80, Moh80, Moh84, Moo84d, MB83, MB84, Nex84, NO89]. **method** [PR87, PPHS86, PT82, PZCC89, Pro82a, RW84, RC85, RRG88, Rud84, RS84e, SAC87, SC89, ST82a, ST84c, She84, Sim80, Sim84, ST82b, ST84f, Sun88, TAK⁺85b, Tau80, Tau84c, Tel84, Voh88, Wal89, WC84, Zlá80, vTBF84]. **methodically** [Cam85]. **methodologies** [Dow82b, Was85]. **Methods** [Ano81t, Art85a, BCD⁺89, Buc85, DM86b, Fin87, FBS88, Sta87b, You89, Ano82w, Ano87-29, AHVV86, BKvLSE80, BKvLSE84, BT81, CLL89, Dav89, DGPM85, Dor86, DWC⁺89, Eas84a, Eas86, Fla82, Fog82, For89, FOW87, GWL89, Goe81, GS83, HW84a, Her88a, Hoa89, Ixa80, IR85, JL84, Key89, Lan80, LP89, Lis84, Man86, Man83a, Man87a, Mar89a, MPR80, MP82, MRT89, Mur88, Nex80a, Oya86, RFS89, RC87, RL80, Sch85c, Sch84d, Suf89, TTW84a, Tem82, WMN85, ZNO88, vD87b, vdV89]. **metrological** [PS88]. **Metropolis** [KN86]. **metropolitan** [BCC⁺89]. **MeV** [RR84]. **MF** [MPM85]. **MF-FIRE** [MPM85]. **MFFT** [NR86b]. **MFFT4** [NRS88]. **MFP**

[PM80, PM84a]. **MHD**
 [BLM⁺88, BHM81, CR84a, DM86b, Eas88, Ede84, GPS⁺81, HW84b, KJ84, KW84b, Kir87, LCH⁺81, MGD81, MTN⁺82, MN84b, MBOK86, Pou88a, RG86, SS81, SW80a, Sch84d, Str81, Syk81, TTAT81, TAK⁺85b, TBG80, TTM⁺80, TT89, TW81, Uga88, WH81, WBG84]. **MHD-calculations**
 [SW80a]. **Micro** [DSK83, DSK84b]. **Micro/mini** [DSK83, DSK84b].
microcanonical [CM83, CM84e, HD88]. **Microcomputer**
 [AN88, FV82, Gli82, Hal88, KS81, KS84b, WML⁺82, Duc86].
Microcomputers [Ano88-27, CG87, Dow82a, Dow82b, Ger88, MGM87].
Microprocessor [Dag82, Her88b, Ska82, BvEF85, Rom81, VKM⁺82].
Microprocessors- [Ska82]. **Microprocessors** [PS88, Wil86].
microprogrammable [Jac81, Jac82]. **microprogrammed** [BGMM81].
Microscopic [EE89, FKU⁺84, Fun84a, vM84f]. **Mida** [MS87b]. **migrating**
 [WD84]. **migration** [KSG82]. **Milano** [BLMU81]. **mild** [NF83, NF84].
millimeter [Smi84a]. **MIMD** [ACSB85, Buz85, Hey89, JM82, RS85].
Mincer [GLST89]. **mini** [DSK83, DSK84b, KKLS82]. **Minicomputer**
 [KAR81, KAR84b]. **minicomputers** [BBE⁺81, FS80, HBJ84]. **minima**
 [BP84b]. **minimal** [Cio89]. **minimalisation** [LM81]. **minimization**
 [Buc83, Buc84, ERLD87, JR84, Tro84]. **minimum** [Jam80]. **MINUIT**
 [Les89, DCC84]. **Minut** [JR84]. **Mirin** [Sta87b]. **mirror** [CO86, JBWW86].
mirrors [PT86]. **MISHA** [Rys87]. **missing** [TS89]. **mission** [Vie88].
missions [Wen88]. **mixed** [BF84, MP81a, MP84a, RSL⁺84]. **MIXERG**
 [PM83, PM84b]. **mixing** [HK83, HK84b, KF84, MRCL84]. **mixture**
 [PSBG84, Zlo84d]. **mixtures** [Tho84]. **mode**
 [FH88a, HC88, Han84a, KT81, KLG85, Mir84, MPIM86, Sch83]. **Model**
 [DV85, FJ89, AFH84, AF84a, AF84b, AXG87, AS89, Aue84, BTWN87,
 Bet84, BJM89, BCCM87, Car89, Cha84b, CHMM84, Co084b, CMM84,
 CM86, CMO86, DTE84, DM89b, ETH84, FP89, FH88a, Gib85, GE88, GA84,
 Har81, Har84a, HD88, HMS84, Hof84a, HGW86, HMT084, HT84, Hub88,
 Kas84, KBMV86, KN84c, KN84b, LJN85, MMBW88, Man83b, Nic89, NJ82,
 NW84, NJ84, Odo84d, Ods80, PIM80, PIM84b, PI84, Ric82, Ric84, RMV89,
 Sal83b, Sal84f, Sal85, ST82a, ST84c, SK86, Smi84a, Vaj82, Vaz81, Vaz84,
 Wan87, WGM83, WGM84, WW84b, Zwa85, SBB⁺89]. **Modeling**
 [Abr88, Suc87, Wie86a, vD87a]. **Modelling** [Put89, ASS82, BT89, Bra87a,
 JB80, KS84c, Rob84d, Rob84e, Rob84f, Ros84a, SAVV87, Tha89, VM89].
Models [Dic82, Sta87b, AEH87, ADV81, ADV84, BPR⁺86, CGG87, Fre87,
 HDK84, HA82, HA84b, Klu84b, LW84b, MGD81, McI84, Par89a, SS89,
 SAC⁺86, Vir89, vMF81, vMF84]. **Modern** [Was85, Zac81, Sch85b]. **modes**
 [BLM⁺88, EPS81, Han84d, Wor84a]. **Modification**
 [Cop84d, Cop84c, Bar84d, BP84b, HM83, HM84a]. **modifications**
 [GH83, GH84a]. **Modified**
 [TB87, BMR85b, Bra84a, O'C84b, SSS84, SBFI87, Tho87, Tho04a]. **Modula**
 [Nie88, Pyl85]. **Modula-2** [Nie88]. **modular** [Ska82, Zal85]. **modulation**
 [Ber84b]. **module** [BCF⁺89, LW85]. **Moions** [AF84c]. **Moldauer** [SS84b].

Molecular [CC89b, FR81, Fra83b, Fra84a, GG89, ZR89, Ano81t, BWBL88, BKvLSE80, BKvLSE84, Ber87a, Bin87, BR85, BL86, CB88, CLL89, DWVH89, Fin80, Fin84b, Fin86, GPS84, Gel85, GDK89, Gup88b, HSV84, HVS87, HT84, HS84, HSB⁺84, Jam87, JL84, Kas82, Mor80, Mor84d, MKRJ89, Pia84, PS84b, RFS89, RMV89, Ryn82, Ryn84, SS89, SNC80, SNC84, Sch89c, Ská81, Ská84, TBB87, VSH83, Wor84a]. **molecule** [DK87a, DK87b, FT84a, Gia84, LH88, MLL86, Nai84, Nai86, Ras80b, Ras84b, SP87, SNC80, SNC84]. **Molecules** [Fin84b, BB84a, BOT86, Bou87, Fin80, Gup88b, HC88, Han84a, Han84f, Han84d, HVS87, JT83, JT84a, JT84b, Lad86, LBY86, MBW89, Nog83, Ogi83, Ogi84, OCC80, OCC84, Ras80a, Ras84a, Sal84c, ST81, ST84a, Sch88a, Sea84a, SLH84, Sil84a, Sil84b, Sin84, SMT88, TT82, TT84, Ten86, TC87, TM89, WS80, Wil84c]. **Molforce** [Gel85]. **Molsimil** [CC89b]. **Molsimil-88** [CC89b]. **MOMCON** [HL86]. **moment** [ADV81, ADV84, LWHH82, LWHH84, Lao84, Lee89]. **momenta** [SS84b, TTW84b]. **moments** [CDN⁺87, DK87c, Gae81, MN88, MNR89, SS89]. **momentum** [Bra87a, CW80, CDW82, CW84a, CDW84, ET84, Gra84b, Gra84c, HKT85, Hib84b, Hib84a, Hib84d, Hib84e, Hub84a, Jab84, Lan82, Lan84a, LW84b, LT87, PSL88, Rao81, RV84, RRC89, Sal82, Sal84e, TTW84a, Tak85a, Tam84, VVM84]. **momentum-space** [Jab84]. **Monitoring** [Ste87]. **monochromator** [BPSB88]. **monoconfigurational** [CC89a]. **monoenergetic** [Lan84b]. **monoxide** [ZR89]. **Monte** [Ben84b, BI85, Sjö84b, Sjö84a, Sjö86, SB87, AS89, ANP⁺85, AM81, AMC83, AM84d, AMC84, BM82a, BM82b, BM82c, BMR84, BM84a, BS87, BKJ83, BKJ84, BDK86a, BDK86b, BDK86c, BLR82, BLR84, CMR86, CFG⁺88, CM85, CGGK85, Cha85, CGG87, Chr84b, CMS83, CMS84, Cop81, Cop84a, Cop84d, Cop84c, Cop84b, CVvWF86, CGB⁺89, CM83, CM84e, DMM84a, DLB83, DLB84, Dec89, Del85, DM87, DMM83, DMM84b, DKA85, DS84b, DD86, EMM81, EA83, EA84, Fer89, FS85b, GTM87, GHO⁺89, Gup88a, HR84a, HR86a, HR86b, HP83, HP84, HMT084, IW87, Ing87, Jad84, JW85, Kas84, Kaw86, KVV84, KSE86, LM81, Lux80, MMS87, Mar89a, Mar89b, Miu87, MGM87, MB83, MB84, MT86, Mor84e, NFH⁺88, NAS87b, Odo81, Odo82, Odo84a, Odo84b, Odo84c, Odo84d]. **Monte** [RR84, RSS85, RL80, Rit84a, Rit84b, RS83, RS84d, Ryn82, Ryn84, SMMP86, Sal85, San82, San84, Sjö82, Sjö83, Tat80, TKS⁺85, Tou89, VH87, Voh88, Vrb89, Wan87, YMW89, ZHR81]. **Monte-Carlo** [AMC84, HP84]. **Morang** [DRD88]. **morphology** [DRD88]. **Morse** [PB84a]. **Moshinsky** [LJ84, YpMzCeCg85]. **Mössbauer** [BPA84, CT84a, Gro84, MGTD84, Ste84d, Ver83, Ver84a, WS84b]. **motion** [AB86, BPW84a, BPW84b, BPW84c, BMBW85, GTL⁺86, Gio84, WDM84]. **Motorola** [BvEF85]. **moveout** [SM89a]. **movie** [JHRR87]. **movies** [HB88]. **moving** [BH81, BH84a]. **MP** [KM85, NR86a, RS85]. **MPS** [SEF⁺89]. **MRVAC** [Rud84]. **MS** [Klo84a]. **MS-X** [Klo84a]. **MSXALPHA** [Klo82]. **Multi** [Cla82a, CGG87, Fro84a, Fro84b, Fro84c, Gib85, GHO⁺89, KK88,

PB84b, ZHR81, RSMTV88, TGA88]. **multi-configuration**
 [Fro84a, Fro84b, Fro84c]. **multi-dimensional** [KK88]. **multi-particle**
 [PB84b]. **Multi-point** [Cla82a]. **multi-spin** [CGG87]. **multi-spin-coding**
 [ZHR81]. **multi-tasking** [Gib85]. **multi-transputer** [GHO⁺89].
multichannel [BB86, FJ89]. **multiconfiguration**
 [Des84b, MGN80, MGN84]. **multiconfigurational**
 [GMN⁺80, GMN⁺84, Lab84c]. **Multidimensional**
 [BKK86, BT88, DR85, NP84, NR86a, ERLD87, Fog82, JSB82, NKS88, Phi80,
 Vis84a, Vis84b, ZDN84]. **multifrequency** [MPM85]. **multigrid**
 [Dec89, Par89b]. **Multigroup** [WMCH84, RSMTV88]. **multilayer** [TGA88].
Multilevel [FBS88, FBS89]. **Multiloop** [ST89b, GLST89].
Multiparameprocessor [PFGP82]. **Multiparabolic** [MCA87].
Multiparameter [BT84a, Ska82]. **multiparticle** [DV85, KSE86, Sau85].
multiperipheral [BDK86a]. **multiphase** [TF89]. **Multiphonon** [Rei85].
multiphoton [BSdlT87]. **multiple** [AP89, CD86, Cop81, Cop84a, Cop84d,
 Cop84c, Cop84b, CVvWF86, CH84d, Gen82, LO86, RFS89]. **multiplication**
 [Ber87b, Cli82]. **multiplicity**
 [ADO83, ADO84a, ADO84b, BK84b, KB84, TS84a, Tho87]. **multiplier**
 [Wor84b]. **multipolarities** [RSL⁺84]. **multipole**
 [AGR88, Arn84b, Com82, SS89, Tol86]. **Multiprocessing**
 [ABG81b, MSC⁺88]. **Multiprocessor**
 [Her82b, BAA⁺87, CSMHT88, GAA⁺87, HBF⁺85, Sli89, SdAD⁺88].
Multiprocessors [Poh87b]. **MULTIQUARK** [Wro82, Wro84].
multispecies [MMK81, MMK84, MMTK88]. **multispin** [Wan87].
Multistate [GPS84, Pia84, PS84b]. **multistep** [JL84]. **multitasking**
 [AHKM86, Cha85, KM85]. **Multivariate** [O'C84b, FMS87]. **muon** [Rin84].
Muonic [AV84, Rin84]. **muonic-atom** [Rin84]. **Murnaghan** [EC84].
Muxworthy [Rob85].

N [Rob80b, Sch86a, Her88a, Rob84c, SM82, SM84f]. **N-body** [Her88a].
N.F.E [Isl84b]. **NA-11** [DGK⁺81]. **NAG** [Bas88]. **namelist**
 [Day81, Day84a]. **nanosecond** [RS84a]. **national**
 [Bra87b, Ebe84, Lid84b, Pou88b]. **natural** [LU83, LU84]. **Navier**
 [Gaj85, KP89]. **NBCS** [MV87]. **near** [DPH82, DPH84, VSP86]. **near-edge**
 [DPH82, DPH84, VSP86]. **Nearly** [Mar84a, Kal83]. **necessary**
 [Han84c, Kas82]. **need** [Jam86a, Jes86]. **Néel** [Hub84e, Hub84f]. **Negative**
 [BS84b, BS80, NT84]. **neighbors** [Voh88]. **net** [DL89]. **Network**
 [Per87, BCC⁺89, BCF⁺89, CH84c, Cot87, Ghi87, Gre88, Run89].
Networking [KAH⁺89, Str87, CFG⁺87, Flu89, Hut89, Mon87]. **Networks**
 [Ger88, New89, CHS⁺89, Den88, Köb89, Par89a, Pou88b, Rue89]. **Neumann**
 [MP81a, MP84a]. **Neural**
 [CHS⁺89, Den88, Köb89, Par89a, TV89, WH89, DL89]. **neutral**
 [HP83, HP84]. **neutrino** [AI86]. **Neutron** [Ver89, Cha85, CSC⁺86, Cop81,
 Cop84a, Cop84d, Cop84c, Cop84b, CVvWF86, Del85, FHMR84, Fun84a,

Fun84b, Han84b, Han84d, Keg81, Keg84, Moh89, SR84b]. **neutrons** [BSA86, Keg85]. **Newman** [Lis88]. **Newton** [Her82a, Her84b, Lan80, Sch85c]. **Newton-like** [Sch85c]. **next** [San82, San84]. **Nicer** [BN81]. **NIEM** [HRS81, HRS84]. **nil** [Ran86, Ran87a]. **Nilsson** [BF84, Hir84, MVV83, MVV84]. **nitrogen** [Wie86a]. **NJGRAF** [BSK88]. **NJSYM** [BSK88, SH82, SH84]. **NMR** [AP89, Gal81, WDM84, vMT84, vM84h]. **no** [Bor89, PV84, Ran87a]. **no-recoil** [PV84]. **noble** [PM80, PM84a]. **nodes** [Ghi87]. **Noise** [Kal83, WSV88]. **noise-containing** [WSV88]. **noisy** [Bro83, Pro82b, Pro84]. **Non** [BMV83, BMV84, Fla82, HFG88, SS84d, BZ84, BvSW84, DWC⁺89, EPS81, Ede84, FR82, FH88a, Han84b, Han84c, Han84e, Hay89a, HP83, HP84, Hub84, JSB82, KW84b, KLS85, Kir87, KK83b, KR88, Lab84a, Mac89a, OY80, Puf83, Puf84, Rap81a, ST84e, ST82b, ST84f, Ugn80, Wai87, War84, WW80, WB84, Zlo81, Zlo84c]. **non-Abelian** [KR88]. **Non-adiabatic** [BMV83, BMV84]. **non-chemist** [BvSW84]. **non-circular** [HP83, HP84]. **non-compact** [Rap81a]. **non-crystalline** [Han84b, Han84c, Han84e]. **non-exchange** [ST84e]. **non-Gaussian** [Puf83, Puf84, War84]. **non-Hermitian** [KLS85]. **non-hierarchical** [OY80]. **non-homogeneous** [Ugn80]. **non-ideal** [KW84b]. **non-iterative** [ST82b, ST84f]. **non-linear** [EPS81, Ede84, FR82, Kir87]. **non-local** [FH88a]. **non-LTE** [Hub88, Mac89a]. **Non-numerical** [Fla82]. **Non-orthogonal** [HFG88]. **non-orthogonality** [Hay89a]. **non-parametric** [JSB82]. **non-periodic** [KK83b]. **Non-relativistic** [SS84d, BZ84, Lab84a, WB84]. **non-sparse** [DWC⁺89]. **non-stationary** [WW80, Zlo81, Zlo84c]. **non-uniformly** [Wai87]. **nonequilibrium** [Lee89]. **nonhyperbolicity** [TF89]. **nonideal** [CHL⁺81]. **Nonlinear** [Pet84, RW84, Ter88, ACR88, BVL84, BBR89a, FBW82, GSZ85, HR81, HW84b, Ito86, LM84, Mar89a, MMF81, MMK81, MMK84, MMTK88, RWK⁺85, RS80, RS84c, Sch88a, Sch85c, Sha87, Syk81, TF89]. **nonlinearity** [ACR88]. **nonlocal** [Fie80, Fie81, Fie84, LM85, MZZ89]. **nonparametric** [Chi89]. **nonproblem** [TF89]. **nonrelativistic** [BRTB84, BRT84, ZL84]. **nonspherical** [Gup88b]. **Nonsymmetric** [CKW89, OJK89, BMK89, CKA89, Saa89]. **Nonuniform** [AP80]. **Normal** [De 84a, KLG85, Han84a, Han84d]. **normalised** [PB84a]. **normalization** [Han84b]. **North** [Bra86, Tru88]. **North-Holland** [Bra86, Tru88]. **notation** [FS84c, Lab84a, Sax84c]. **note** [Ano86-35, Ano88i]. **Notes** [And86]. **Notice** [Ano80r, Ano83o, Ano84-66, Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano81o, Ano81p, Ano81q, Ano81r, Ano81s, Ano82t, Ano82u, Ano82v, Ano83k, Ano83l, Ano83m, Ano83n, Ano84x, Ano84-30, Ano84-31, Ano84-32, Ano84-33, Ano84-34, Ano84-35, Ano84-36, Ano84-37, Ano84-38, Ano84-39, Ano84-40, Ano84-41, Ano84-42, Ano84-43, Ano84-44, Ano84-45, Ano84-46, Ano84-47, Ano84-48, Ano84-49, Ano84-50, Ano84-51, Ano84-52, Ano84y, Ano84z, Ano84-27, Ano84-28, Ano84-29, Ano84-53, Ano84-54, Ano84-55, Ano84-56, Ano84-57, Ano84-58, Ano84-59, Ano84-60, Ano84-61, Ano84-62, Ano84-63,

Ano84-64, Ano84-65, Ano84-67, Ano84-68, Ano84-69, Ano84-70, Ano84-71, Ano85o, Ano85p, Ano85q, Ano85r, Ano85s, Ano85t, Ano86u, Ano86v, Ano86w, Ano86x, Ano86y, Ano86z, Ano86-27, Ano87u, Ano87v, Ano87w, Ano88u, Ano89t, Ano89u, Ano89v]. **notice** [Ano89w, Ran87a]. **notices** [Ano84-72, Ano84-73, Ano84-74, Ano84-75]. **nozzle** [FCW84, NF83, NF84]. **NSF** [Bra87b]. **NSPCG** [OJK89]. **NUCADA** [HA83, HA84a]. **Nuclear** [Hla80, Hla84, LCS84, Sko84, Smi84c, Smi84d, Smi84e, AAH84, ABH⁺84, AGG⁺82, Arn84b, BTWN87, BT81, Bas87a, Bet84, CDN⁺87, DG84, Das83, DTE84, DKA85, ETH84, FR86a, FB84, FNDL89, Gad80, GDH⁺89, Gir81, Har81, Har84a, Hei84, HA82, HA83, HA84b, HA84a, HMS84, Her84a, HLM⁺87, KK85, Lea87, LW84b, MMBW88, MVV83, MVV84, MV87, Mir84, MC81, MC84b, OVQT⁺84, Rim81, RD80, RD84, Sei84, SS84b, SMD84, SR84a, SDH84, Smi84b, TUB83, TUB84, TCR84, TL84, TUWA84, Tep84, Ver84b, WC85, WMC84]. **nucleation** [KM84c]. **nuclei** [BF84, Cat89, EM84a, EM84b, Hen84, HR87, Hod84, HK81, HK83, HK84a, HK84b, Kac84, KM82, KM84b, Lan82, Lan84a, Nai86, NAS87b, PSL88, PIM80, PIM84b, PI84, RSL⁺84, Szy81]. **Nucleon** [PSL88, DHD84, FRS83, FRS84, FKU⁺84, HR86a, LR84a, LR84b, SDH84, Tak85a]. **nucleon-nucleon** [FRS83, FRS84]. **nucleons** [Hub84a, MZZ89]. **nucleus** [AGH⁺88, Fun84a, Fun84b, GDH⁺89, GE88, HR86b, HMS84, SM84a, SUZ89, TW89a, ZNO88]. **nucleus-nucleus** [AGH⁺88, GDH⁺89, SUZ89]. **nuclide** [KAR81, KAR84b]. **nuclides** [AGF87]. **nucore** [HA84a, HA82, HA84b, HA83]. **NUCPAR** [MV87]. **nucrin** [HR86b]. **NUDENS** [MVV83, MVV84]. **Nullijn** [De 84c]. **Number** [SM82, SM84f, SM85e, ABM89a, Aur84a, Aur84b, Bro84, Bro89, CG87, EA83, EA84, Fem84, Fog82, GDK89, KW84a, MRC85, MKRJ89, OY80, RFSG84b, Rob84e, SRS85]. **numbers** [Di 87, KS81, KS84b, Rib80, Sch84a]. **Numerical** [ABG⁺81a, Arn84a, Bel84a, BMG⁺85, CT84b, Col84b, Dec89, DS89, Dic82, Dor86, GJ84, Gae81, Gen82, Gri87, HH82, HC86, HKK84, IFI84, Jam87, KL84a, KP84, Len80, MLS81, MN88, MNR89, Moo84e, Net84, OSF86, PPHS86, Pic89, Pou88a, Rob84d, Rob84e, Rob84f, RG80, RG84, Saa89, SAVV87, SBM⁺86, And86, Ano82w, CR84a, CR84c, CR87, Col88, CM81b, CH84d, CM84f, DG89, DGPM85, DM86b, DRRvB82, Fie80, Fla82, Fog82, Fog84, FS84d, GV87, GS88, Gib85, Gir81, Gro89b, GPS⁺81, GRRP83, GRP84, HKT85, IR80, Ixa80, IR85, Jak84, Kal82, Lab84d, Luc84, LU83, LU84, Man83b, McN81, McN84, Mic87, MMR89, New86, Ost85, Phi80, PT86, PB84b, RW84, Rap81b, RC85, RC87, Rob84b, SFB87, SSF⁺89, SZ84, Tau80, Tau84c]. **numerical** [TTT87, TV86, Wai87, WH81, WH85, YP86, ZDN84, vTBF84, Art85a, Sch86a]. **Numerov** [BP82a, BP82b, BP84a, DW88, IR80]. **Numerov-like** [IR80].

O [Joh88, LNB⁺88, LH88]. **Obituary** [Ano85w]. **Object** [Mar85, Ric86]. **object-oriented** [Ric86]. **objects** [BB84c]. **observable** [Bar83, Bar84e]. **observables** [CGGK85, MT84a]. **observation** [Ugn80]. **observations** [BBH⁺88, He84a, KJRS88, KGAL88, MV88, O'C84a]. **observed** [Han84f].

obtain [Ben82, Ben84a, Han84b, Han84f, WH81]. **obtained** [TV86].
obtaining [HL86, Rib80]. **Occam** [HBM89]. **Octahedron** [NHK82]. **odd**
 [BF84, HK81, HK83, HK84b, Kac84, MR84b, HK84a]. **odd-** [Kac84].
odd-odd [HK81, HK83, HK84b, HK84a]. **ODE** [DM88b, PP82].
Odepainleve [RW86]. **ODRIC** [MBOK86]. **off** [CGM89, GMR84b].
off-diagonal [GMR84b]. **off-line** [CGM89]. **offline** [CHS87, Hoe89].
OLYDES [Car80]. **Olympus** [HRL84, HRR84, HR84e, Car80, HR83a,
 HR83b, HR83c, CR84d, HR84c, HR84d]. **on-line**
 [CGMS89, Kri89, Mas81, PF86, SN84, SdAD⁺88, Sta87a, Van81a].
on-resonance [SDH84]. **One**
 [Has84, LB82b, YP86, ABG⁺84, AK84, BL88, CR84c, Cha84e, CRPL81,
 CRL84, CRPL84, CAR84b, De 84c, DHD84, DP84, GJ84, Hib84b, HWL89,
 HLM⁺87, Klo84c, Lew84d, LNS84, MMS87, MS84, MBOK86, Phi80, PGB84,
 RSMTV88, RC85, Rob84a, Sal84c, SPM⁺88, Stu88, Wie85, WB84, Yur84].
one-and-a-quarter-dimensional [HWL89]. **one-center** [Yur84].
One-dimensional [Has84, LB82b, YP86, ABG⁺84, AK84, BL88, CR84c,
 CRPL81, CRL84, CRPL84, CAR84b, GJ84, LNS84, MMS87, MBOK86,
 Phi80, RSMTV88, RC85, SPM⁺88, Wie85]. **one-electron**
 [Hib84b, Lew84d, MS84, Sal84c, WB84]. **one-loop** [Stu88]. **one-particle**
 [Cha84e, Klo84c, PGB84, Rob84a]. **Online** [ABL⁺89, QAD⁺89, WV89].
only [Hei84, O⁺C84a]. **opacity** [LLA⁺89, PM83, PM84b]. **opal**
 [Ano87c, O⁺N89]. **open** [BDD84, CC89a, Ols83, Ols84, Ras80a, Ras84a].
operating [CHS87, MM88a, Per87]. **operation** [Ano81f, Ste84d].
Operations [Ito88]. **operative** [PS88]. **Operator**
 [Ito88, Bos83, Bos84, KMS88, Rap81a]. **operators**
 [Bru85, Bru86, CW80, CDW82, CW84a, Cha84e, CW84b, CDW84, FOW87,
 Lew84d, MPS84, PGB84, Rob84a]. **optic** [BCC⁺89]. **Optical** [Lan87, All84b,
 Aue84, Co084b, DTE84, ETH84, ET84, FRS83, FRS84, GE88, Has84, LZ84,
 PM80, PM84a, RHM⁺89, TTW84a, TVD87, VPB82, VPB84, ZL84].
optically [KK84b, Tal82, Tal84a]. **optimal** [CC84, Ste84b]. **optime** [EK84].
Optimisation [LB82b, DD85b]. **Optimising** [Jes85]. **Optimization**
 [CPL89, Bas87c, HHK86]. **optimized**
 [Ano87b, BMR84, BA86, CRS87, Sch89c, ST84b, STN89, Tal89]. **Optimizing**
 [Dic82]. **optimum** [Gad85]. **orbit**
 [He84a, Klo84b, MV83, MV84b, PP85, Sax84c, Tro84]. **orbital**
 [FSP87, HE84b, HKS83, HKS84, Rob84b]. **orbitals** [AT84, Bat84, BZ84,
 HFG88, Lab84c, Lab84d, Mat84, MSFR89, ST84e, TBB87]. **orbits**
 [CM88, Hir84]. **order**
 [AM84b, AM84e, BB84b, BBM82, BBM84, Bar81a, BDK86b, BDK86c,
 BP84c, Bru85, Bru86, Cam81, Cam84c, Cam84a, Cam84b, CR84c, Cha84d,
 Cla82a, Col80a, Col80b, Col84a, DM88b, DHN84, DO84, FOW87, Lew84c,
 MBW89, Moo80, Moo84c, Mor84c, Nog83, Ros85, San82, San84, Sil84b,
 Sun88, TB85, TB87, Tho04a, Tho04b, Vaj82, Wai87, WS80, Wil84c]. **ordered**
 [CM88, KS81, KS84b, MZM⁺82, MZM⁺84]. **Ordering** [EA89]. **Ordinary**

[RW86, Sch82b, Sch86d, Bra84a, Sch84c]. **ordinates** [Wie85]. **organisation** [Rea89]. **organization** [CHS87, Sil84a]. **organized** [WH89]. **organizing** [Ano84-86]. **orientation** [CLL89]. **orientations** [Pre84a]. **oriented** [CPL89, CSMHT88, DSM⁺81, DSM⁺84, Gal81, Mar85, Ric86, Sko89, Zlo84d]. **origins** [FH88b]. **Orszag** [Eas84b]. **ORT1** [GJ84]. **ORT1-** [GJ84]. **Orthogonal** [DW89, Eas87a, Har89, Hel80, HFG88, Öpi87]. **orthogonalisation** [TBB87]. **orthogonality** [Hay89a]. **Orthogonalization** [Dav81, Dav84]. **orthonormal** [BG81, GJ84, RVD⁺81]. **orthonormalization** [YP89]. **ORTHOVEC** [Eas87a]. **ORTOCARTAN** [KP81b]. **oscillations** [Mik84, OS86]. **Oscillator** [FS84d, Sar87, Dob84, FT84b, God84, Hib84c, SG84c]. **OSF** [WBV⁺89]. **other** [FBS88, GST⁺81, LCS84]. **outer** [BK84b, Ege82, Ege84]. **output** [CDF⁺89]. **overlaid** [Wie86b]. **overlap** [BGMM81, DF84, GRRP83, GRRP84]. **overlapping** [vM84c]. **Overview** [Flu89, Mou89, OJK89, You89, Gue89, TV89, vD87a]. **Oxford** [Bra86, Gri87, Nad86a, Ano89-27, Boc89].

P [BD81, Duc86, Jes87, Lis88, Sch86a, Nad86a, CM84a, MKRJ89]. **P-Tau** [CM84a]. **P-X** [CM84a]. **P.** [MN84a]. **P3M3DP** [EHL80, EHL84]. **P3M3DP-The** [EHL80, EHL84]. **PAC** [Cat89]. **pack** [Rys84]. **Package** [BH88, OJK89, RW86, Sch82b, Sch86d, AI88, AMB84, ABMT84, Ano87c, BKD83, BKD84, CRS87, Cam84f, Car84a, CM88, CH84b, CR84d, CSBB82, CSBB84, DNR83, DNR84, DM89a, GJ84, GMN⁺80, GMN⁺84, Gru84a, HB85, HRL84, HRR84, IA80, IA84, KK88, KS84c, KS84e, KS08, KS84g, KS84h, KM82, KM84b, Laa86, Mag84a, MGMZ84, MMK81, MMK84, MMTK88, NR86b, PDF82, PDF84, PT85, Sch84c, Sci89, SW80b, SW84, TTT84, WC84, Wie86a, Yur84, vdB84]. **packages** [FM85, SH82, SH84]. **Packard** [KKLS82]. **packed** [VVM84]. **packet** [Has84]. **padé** [Sta84]. **Pages** [Eas89, Ano89h, Art85a, Art85b, Bra86, Eas80, Eas82, Eas84a, Fin87, Lis88, Man86, Rob85, Sch86a, Taj86]. **Painlevé** [Hla86, RW86]. **Pair** [Ito85, Han84c, Han84e, Pol88]. **pairs** [Män89]. **PAN** [Whi89b]. **PAN-DA** [Whi89b]. **Panel** [WBV⁺89]. **paperback** [Lis88]. **papers** [Ano84b, Ano84-87]. **parabolic** [PPHS86]. **Parallel** [AHKM86, BPR⁺86, Bra86, CSC89, CKT89, DFOP89, Dit89, FR82, FBS88, Gal85, Hub89, McC89, MGM87, PCM85, Ruf85, ST89a, WH85, ABM89b, AW89, BES82, BMK89, Bro89, Cli82, DEW84, EA89, Fla82, FS85b, Gaj85, Gen82, GHO⁺89, Gue89, Hoc82, HMT084, HT84, IHS⁺88, JM82, Key89, Kri89, LK89, LTK88, Mat87, May89, Meu89, MBW89, Nas89, Ost85, Per82, Sam85, SMR87, Sli89, Tem82, Vaj82, Ves89, WMH82, WH89, Eas82, Jes87]. **Parallelism** [CCD85, ACSB85, Bir85, Dob89, Jes82, Jes86, Nas89, PBKW85, Poh87a]. **Parallelization** [BH89]. **Parallelizing** [GLC89]. **Parameter** [Smi84f, Bas87c, BMS87, BS86b, DG84, GPS84, JR84, Klu84a, KL84a, Nob80, Nob84, Pia84, PS84b, Ran86, Ran87a, RWZ87, Smi84d].

parameter-dependent [Ran86, Ran87a, RWZ87]. **parameter-free** [Ran86, Ran87a, RWZ87]. **parameters** [ADV81, ADV84, Cam84e, FR84, Han84c, KF84, LR84b, PR84, PIM82, PIM84a, RD80, RD84, Ste84b, WDM84, WMC84]. **Parametric** [LW85, JSB82, Kla84, Les89]. **Parametrization** [Sal83a, Sal84d]. **paraxial** [MN80]. **parentage** [All84c, AM84a, Chi84b, Gra84a, Hub84b, MNJL84, SK86]. **Paris** [Fin87]. **parity** [MV87, SDH84]. **parity-dependent** [MV87]. **parjet** [Rit84b]. **Part** [Fer84, Ran86, Ran87b, Sch88b, Sch88c, VKM⁺82, Zal85, FRS83, FRS84, FHMR84, Gje81, Hib84b, CC84, RWZ87]. **Partial** [IK85, Sch82b, AKS88a, AKS88b, CB88, CHMM84, DGL89, Dru83, Jes84, Mar89a, MN84a, MKS83, MKS84, Sch84c]. **partial-wave** [CB88, CHMM84]. **partially** [EK86, RSL⁺84]. **participants** [Ano86-28, Ano87d, Ano88z, Ano89z, Ano89-27]. **Particle** [Ben88, Eas86, Ezh84, JN85, Sta89, Swi88, AGR88, AEH87, BMR85a, BKR88, Cha84e, CDN⁺87, EHL80, EHL84, Gau84a, GTL⁺86, GH87, GWTM83, Hir84, IA86, Jam82, Klo84c, KGAL88, Lew84c, LTK88, MSC⁺88, Man87a, MT84a, Mor84e, Par84, PR84, Per89, PB84b, PGB84, Rob84a, SMM89, SAC⁺86, Tri84, WHW87, Zac81, ZS87]. **particle-in-cell** [BKR88]. **particle-mesh** [EHL80, EHL84]. **particle-particle** [EHL80, EHL84, Man87a]. **particle-particle/particle-mesh** [EHL80, EHL84]. **particle/particle** [EHL80, EHL84]. **Particles** [LNB⁺88, AB83, BPW84a, BPW84b, BPW84c, Bas87a, BT88, CN84, Cha84d, CJ84, GTG81, GTG84, GTM85, GDK89, Hei84, Jab84, KK84a, KF84, MKRJ89, Vrb89]. **Particles-on-a-sphere** [LNB⁺88]. **particular** [WH81]. **partition** [BGG⁺89, Car89]. **partitioned** [Com80a, Com80b, Com84, KC81a, KC84b]. **partitioned-data-set** [Com80a, Com84]. **parton** [BT89, FGK89]. **parts** [Jam84]. **PASCAL** [Ran87a, Ran86, RWZ87, Ran87b, MKS83, MKS84, Pyl85]. **Past** [Bra87b]. **path** [Bas87b, KPP⁺89]. **pations** [MRCL84]. **Patiwen** [FB84]. **pattern** [AO88, Rob87a]. **patterns** [MGMZ84, Pre84a, Pre84b, RS84f, vM84h]. **Pauli** [ST84c, ST82a]. **PAW** [BBC⁺87, BCVZ89, Joh89]. **PAX** [HMT084, HT84]. **PC** [LBK88]. **PDE** [SSM85, ST82b, ST84f]. **PDG** [Gau84c]. **PDP** [DTE84]. **PDP-15** [DTE84]. **PDP11** [DCC84]. **PDP11/34A** [DCC84]. **PEAD** [TC87]. **peak** [vM84b]. **peaks** [CAP86b]. **penetrability** [Jam86b, Smi84e]. **penetrating** [Sko84]. **penetration** [SMMP86]. **Penfold** [ASM84, ASM80]. **Penfold-Leiss** [ASM84]. **perform** [DVD87, WB88]. **Performance** [BES82, DD85a, CKT89, CKV85, KPST89, KWPP89, MMM85, Mye89, Ros84a, Smi84a, SRS85, Sta87a]. **performances** [BC88b, Cha85]. **performing** [Fog84, MP81b, MP84b]. **Periodic** [JL84, Bun86, CM88, EHL80, EHL84, Kir87, KK83b, MP81a, MP84a]. **periods** [Bor82, Bor84]. **peripheral** [PB84b]. **perm** [SM85f]. **permutations** [BB84c]. **Perot** [MMF81]. **Personal** [And88, Qua87, Ast87, Bas88]. **perspective** [CFG⁺87, Flu89, OT80, Ols83, OT84, Ols84, PDF82, PDF84].

PERTURB [FE88]. **Perturbation**

[Cat89, VČ88, Gad80, MLS84, MLo84, MV81, MV84a, MS84, Mik80, MBW89, RS84e, III88, Sil84a, Sil84b, WS80, Wil84c, WP84]. **Perturbative** [Ixa80]. **pervaded** [Mik84]. **PES** [PIM80, PIM84b]. **petroleum** [BCC⁺85]. **Petviashvili** [MLS81]. **Peyret** [Eas84a]. **PFPOFIT** [Puf83, Puf84]. **Phase** [NM84, CM81b, CM84f, HSV84, Jad84, JA80, JA84, KK84a, KF84, KSE86, MS84, Mor84e, PB84b, Sea84a, Smi84e, Ste84c, Vrb89]. **phase-space** [CM81b, CM84f, Vrb89]. **PHIGS** [Mye88]. **Phocha** [DLB83, DLB84]. **phoenical** [EFES81]. **phone** [Str87]. **phonon** [Han84d, Nor82, Nor84b, Rei86, SR84b]. **photoelectric** [KM84a]. **photoelectron** [TC87]. **photoemission** [HPT80, PT84]. **photographic** [RSP81, RSP84]. **photographs** [BSP84, CA84]. **photoionization** [CLS⁺84, KS86b, Sar87]. **photon** [BDK86a, BDK86b, BDK86c, BSdlT87, DO84, LW84a, SV84, TW83, TW84, WL84, WV80, WV84, ZNO88]. **photon-Maxwellian** [WL84]. **photons** [Chr84a, Chr84b, DLB83, DLB84]. **photonuclear** [ASM80, ASM84]. **photoproduction** [IW87]. **PHOTUC** [Sar87]. **Phys** [KS08, Ran87a, Tho04a, Tho04b]. **physical** [Bas87b, Zlá80]. **physicist** [Boc89]. **physicists** [Ano88-27, Jam86a]. **Physics** [Ano80g, Ano80f, Ano82i, Ano86f, Ano88h, Ano88i, Ano89h, CSMHT88, Gau81, Sch86a, Sta87b, Taj86, Ano81t, Ano84-87, AGG⁺82, Arn84b, BBE⁺81, BMR85c, BT81, Ben84b, BI85, BSA86, BBC⁺87, BPR⁺86, BE89, Bur87, Den88, Dun87, Eas86, Ezh84, Gau84b, Ger80, Gir81, GH87, Gre88, Gro89a, Hey89, Hin81, HS84, Jac81, JMS⁺89, Jes86, KAH⁺89, KP81a, Kaw86, Kos80, Lan87, LSW87, Mar89b, Mon87, Nad86b, Nas87a, Nas89, New89, Nex80b, OLR⁺87, PBKW85, PFGP82, Poh87a, Poh87b, Put89, Qua87, Rim81, Rob87a, SN84, Sjö83, Sjö84a, Sjö86, SB87, Van89, Van81b, Ves89, Wat89, Wha89, Whi89a, Wil81, Wis87, Zac81, ZS87, vD87b, Ano80e, Ano88-27, Boc89, Wic87, Fin87, Lis88, Eas84b]. **PIC** [DH84b, Har88, HL88, LK88]. **pickups** [AN88]. **pictorial** [vD87a]. **Picture** [Col88, BO80]. **pictures** [BLMU81, BdCP81, VKM⁺82]. **Pinch** [SBM⁺86]. **Pion** [Lan84a, Fun84a, Fun84b, GE88, Lan82]. **pion-nucleus** [Fun84a, Fun84b, GE88]. **pions** [EM84a, EM84b, ET84]. **PIPIT** [ET84]. **Pirk** [EM84b, Fun84b]. **place** [Rob84d]. **planar** [AO88, BCCM87, ELS88, KBMV86]. **Planck** [ERB88, FSR84, MMK81, MMK84, MGK86, MMTK88, OCS86, SFB87, SSF⁺89]. **plane** [BDG⁺84, CM84a, DEW84, Fer89]. **planes** [CM84a]. **planet** [Moo80, Moo84c]. **planewise** [HM81, HM83, HM84a, HM84b]. **planning** [ASS82]. **plant** [KK85]. **plants** [KB86a]. **Plaskem** [Rob84e]. **plasma** [BV80, BV84, BSV⁺85, CHL⁺81, CD86, Eas86, FLM84, FBW82, FM84, FC84a, GH83, GH84a, GHU81, KBMV86, LHP87, LNS84, LJN85, Mae88, MTN⁺82, MCA87, MV88, MGK86, New86, Ods80, OM88, Rob84d, Rob84e, Rob84f, SWHB88, Shu87, SPM⁺88, SVP86, Swi88, TTAT81, TAK⁺85b, TDS81, TDS84, Wen88, WW80, ZC84, Taj86]. **plasma-circuit** [LJN85]. **plasma-wall** [GHU81]. **plasmas**

[BHM81, Ber80, Bor82, Bor84, Cap86a, CM81b, CM84f, DM86b, Dor86, EPS81, EP86, HP83, HP84, Hof88, IFI84, KLG85, LCH⁺81, Mac89a, MCJ81, MCJ84, OS86, SW80a, Tal82, Tal84a, WMCH84, Sta87b, Sch86a]. **plastic** [LK88]. **PLATTSUM** [HM83, HM81, HM84b, HM84a]. **Plot** [Pre84b, CA84]. **plots** [Dun87, Kal82]. **plotter** [Moo84f, Moo84g, RSP81, RSP84]. **plotting** [AMB84, ABMT84, AMK81, AMK84, PT85]. **plus** [HKT85, LT87, PIM80, PIM84b]. **Point** [Bur85b, EFK85, MB83, AS83, And83b, And83a, AS84, And84b, And84a, BAG⁺87, Cla82a, FM84, Got83, KA87, LB84, May81, May84, MSFR89, MB84, Ric82, Ric84, SS89, SA83, SA84, TDS81, TDS84, Woo85]. **points** [AN87, AAMB84, AMB84, CC84, Tor82, Tor84, Wai87]. **Poisson** [AZK83, BH85a, CH84a, Cla82b, Hou87, Hug84]. **Poisson-solver** [CH84a]. **polar** [Laa86]. **polarisation** [Lan84b]. **polarizabilities** [Sho81, Sho84]. **polarization** [AMK81, AMK84, Ber84b, DGO83, Nur85, Sei84]. **polarization-modulation** [Ber84b]. **polarizations** [Hei84]. **poletips** [McN81, McN84]. **pollution** [Rap81a]. **poloidal** [BM84b]. **poly** [MD81]. **poly-processor** [MD81]. **Polyatomic** [EHH88]. **polycrystal** [SR84b]. **Polyfit** [Sci89]. **polygamma** [Di 86]. **polygon** [Woo85]. **polygons** [Lee82, Lee84]. **Polyman** [OL88]. **polymer** [Mic87]. **Polymol** [And84c]. **Polynomial** [MC85, Del84a, Sci89, Ten85]. **polynomials** [BG81, Bra84a, CWS83, CWS84, GJ84, Hel80, OL88, Öpi87, RVD⁺81]. **POLYP** [MD81]. **POLYRATE** [ITR⁺87]. **polytropic** [BM84b, MM82, Mik84, MM84b]. **population** [LHP87, SM84a, Tal84b]. **portability** [Mye89]. **Portable** [Car88, May89, BCVZ89, Day81, Day84b, Day84a, ERLD87, Tau81, Tau84b]. **POS** [GS89]. **POSDIF** [Câm82, Câm84g]. **positions** [FFH84]. **positive** [Bar81b, Bar84c, Gad85]. **positive-definite** [Gad85]. **positron** [ANP⁺85, BDK86b, Câm82, Câm84g, JT84a, KEMP81, KE84b, KEMP84, KE84a, Odo81, Odo84c, Puf83, Puf84, Rit86, VDM84b, War84]. **positronfit** [War84, KE84b, KE84a, VDM84b]. **positrons** [DLB83, DLB84]. **possible** [BBD⁺89, Lan87, Wil81]. **post** [KS86b]. **POT4A** [BH85a]. **potential** [All84b, BT84b, Cug84, CDN⁺87, ET84, FRS83, FRS84, FT84a, FM84, Gia84, Has84, HH84, Hir84, Kla84, Klu84b, KP85, Lee82, Lee84, MLL86, MR80, MR84a, ML81, MZZ89, ÖW84, PP85, Ras80b, Ras84b, RRG88, SNC80, SNC84, TTW84a, Tel84, Ten84b, TDS81, TDS84, VPB82, VPB84, Art85b]. **potentials** [AAH84, CMR86, Coo82, Coo84a, Coo84b, Dom86, Fie80, Fie81, Fie84, FJ89, LW84b, PS84a, ST84b, ST82a, ST84c, STN89, Tal89, WGM83, WGM84, YP86]. **powder** [FHMR84, FFH84, FR84, MZM⁺82, MZM⁺84, MGMZ84, dBM82, dBM84, vM84h, vM84i]. **powders** [DG84]. **Powell** [Gri87]. **Power** [FK86b, Jam84, KK85]. **powers** [DM86a, Di 87, MR84b]. **pp** [Duc86]. **Practical** [Meu89, LM84]. **practice** [Ano88-27]. **PRAVDA** [MPS81]. **pre** [Bet84, HMS84]. **pre-equilibrium** [Bet84, HMS84]. **pre-equilibrium/compound** [HMS84]. **precision**

[DSK83, DSK84b, Rys87]. **precompiler** [WC85]. **Preconditioned** [GLC89, OJK89, AKS88a, AKS88b, CKA89, EA89, KA87, Sun88]. **preconditioners** [CKT89]. **preconditionings** [KJ85]. **predict** [Lev89, Rob84e, RS84a, Smi84a]. **prediction** [Gib85]. **predictor** [BP82a, BP82b, BP84a]. **predictor-corrector** [BP82a, BP82b]. **predissociation** [Le 89]. **Preface** [Ano82z, Ano82-27, Ano84-76, Ano84-77, Ano85x, Ano85y, Ano86-30, Ano86-29, Ano88-28, Ano88-29, Ano88-30, Ano89-28, BM88, DD89, FPR89, Gru81, Gru84c, Jam81, KS87b, Nad80, Nüh86, TSH87]. **Preliminary** [Ano80s, OLR⁺87]. **preorthonormalization** [HT88]. **prepared** [GWL89]. **Preparing** [Frü81]. **Preprocessor** [KK89, BH85b, HRR84, KPP81, KPP84b]. **preprocessors** [Joh87a]. **presence** [ACR88, ABG⁺81a, OSF86, SSF⁺89]. **present** [Bra87b]. **presentation** [BCVZ89]. **preserving** [CM88, ST84d, SBF87]. **Press** [Gri87, Nad86a]. **pressure** [ZC84]. **Preuss** [Yur84]. **price** [Ano89h]. **primary** [KK85, MM82, MM84b]. **prime** [DW84]. **primitive** [Sch88a]. **primitives** [AB88, SMC81, SMC84]. **principle** [Pon81, Wil84b]. **Principles** [Cio89, CRH⁺89, Man87b, RW84]. **Printer** [Moo84g, Moo84f]. **Printer-plotter** [Moo84g, Moo84f]. **priory** [Chi89]. **prism** [Hou87]. **probabilities** [BF84, HK83, HK84b, vdB84]. **probability** [BD87, De 88, DP84, GTM87, Mal84]. **probe** [Cat89]. **problem** [AZK83, BH81, BH84a, Bas87b, BMK89, CR84a, Cam84f, Com82, Das83, Gae81, GR81, GV87, Gir81, KBMV86, Man87a, SSF⁺89, Vaj82, WH81, YP86]. **Problems** [GK80, Har84b, KW84a, AP80, ABG⁺81a, AHVV86, BO80, BV80, BV84, Ben88, BG81, BTS84b, Cha85, Cis87, CDN⁺87, DGL89, Fie80, For89, FJ89, GJ84, Gal85, Gru84a, HT88, HKK84, Jam82, KJ85, KS84g, KS84h, LW84b, Mü87, Nav89, OTB80, OTB84, Rea89, Rob87a, Saa89, Str81, vdV89]. **Procedure** [CKW89, Bil89, BKK86, BW87, DG89, Di 86, DU89, GMR84b, HT88, Jak84, LM84, TT82, TT84]. **Procedures** [FK86b, ST89b, KP89]. **Proceedings** [Bra86]. **process** [Eck84, FS82, JW85, SK82, SK84]. **processes** [BS87, BKJ83, BKJ84, BDK86a, BDK86b, BDK86c, BSdIT87, BBC⁺84, BBL⁺84, GHU81, HRS81, HRS84, IP88, Le 88, LVPG84, MC84a, ST82a, ST84c, Swi88, vdB84]. **Processing** [FR81, HT84, MD82, Nex84, AWB82, AW89, BO80, BC88b, CSMHT88, DD85a, DFOP89, Dit89, HRW85, HSA82, HSA84, IA86, KP81a, Mas81, MTN⁺82, MBW89, OY80, Rim81, Ruf85, Sch89c, SM85a, Tol85, TGA88, Ver84b, VSH83, VH87, WH85, Zlo82, Zlo84a, Jes87]. **Processor** [Par83, ABM89b, Ano87b, CNRS82, DGK⁺81, Gaj85, Gje81, HD86, Hou87, JSB82, Jac81, Jac82, Jes85, KK88, KSG82, LW84a, LTK88, MD81, Män89, MHP84, PP82, Rap85, Sch82a, SM85a, VM89, Ves89, VGD⁺89, WMCH84, Bur85b, Gal85]. **processor-emulator** [VGD⁺89]. **Processors** [Bra86, Bai87, BES82, Bro89, Dit89, Fra81, Gro87, Gro89a, Gue89, Hoe86b, Kri89, NFH⁺88, Per82, Sam85, UI85]. **Produced** [KK89, DLB83, DLB84]. **Producer** [Flu89]. **Producing** [JN87]. **product**

[CW80, CDW82, CW84a, CW84b, CDW84, MG84, Mar89c]. **production**
 [BDK86a, BDK86b, FGK89, Gib85, MT84a, Odo84a, Odo84d]. **products**
 [DW84, Ege82, Ege84, Hay83, Klo84c, Sax84b]. **profile**
 [Tal82, Tal84a, Tal82, Tal84a]. **profiles** [DG84, OBLR84, SLH84, YB86].

Profiling [Sch85b]. **progeny** [Har88]. **Program**

[Ano80t, Ano80u, Ano81u, Ano81y, Ano81v, Ano81w, Ano81x, Ano82-28,
 Ano82-30, Ano82-29, Ano83p, Ano83q, Ano83r, Ano84-78, Ano84-79, Ano84-80,
 Ano84-81, Ano84-82, Ano84-83, Ano84-84, Ano84-85, Ano85z, Ano85-27,
 Ano85-28, Ano86-31, Ano86-32, Ano86-33, Ano86-34, Ano87x, Ano87y,
 Ano87z, Ano87-27, Ano88-31, Ano88-32, Ano88-33, Ano88-34, Ano89-29,
 Ano89-30, Ano89-31, ABD82, ABD84, Bar83, Bar84e, Bas87d, Bet84, BTS84a,
 BTS84b, Cha82, Cha84c, CgYpXh85, DR85, DS83, DS84a, Eas87a, EFK85,
 GLST89, Har89, Hof84b, Hof84a, Ito85, IK85, Ito88, KM84a, KEMP81,
 KEMP84, KM82, KM84b, KR88, Lis84, Mar89c, MT84b, NA84, PP85, ST84e,
 Ste84b, Wil84b, WP84, YpMzCeCg85, YFL87, AV84, AI88, ABH⁺84, All84a,
 And84c, ANP⁺85, Ano86n, ABG⁺84, AGF87, AMK81, AMK84, AK84].

program [Aur84b, BV80, BH81, BV84, BH84a, BKvLSE80, BKvLSE84,
 BBM82, BBM84, BD80a, BDM81, BRTB84, BRT84, BDM84, BD84a, BSK88,
 BCFK85, Bar84d, BB86, Bas87a, BSP84, Bat84, BP82b, BP84a, BH85a,
 BGMP84, Ben82, Ben84a, BD82, BD84b, BPA84, BBC⁺84, BBL⁺84, BD84d,
 BSA86, BSDM88, Bie83, Bie84, BP84c, BEM84, BM85a, BS86a, BA86,
 BJ81a, BJ81b, BJ84a, BJ84b, Bur84, BT84b, But84, Cam84f, Cãm82,
 Cãm84g, Car89, Car84a, CFG⁺88, Cha84d, CW80, CW84a, Cha84e, CW84b,
 CCR84a, CCR84b, Chi84a, Chi84b, CH84a, CSC⁺86, CC84, CF85, CLS⁺84,
 Coo82, Coo84a, Coo84b, CGB⁺89, Cre80a, Cre80b, Cre84a, Cre84c, CSW84,
 CMO86, CKV85, DK87a, DK87b, DM89a, DM86a, De 84c, DFD81, DFD84,
 DLB83, DLB84, DCC84, DL86, DSK83, DSK84b, DHN84, Des84b].

program [Deu84a, Deu84c, DRD88, DH84a, DS84b, Duf84, DO84, Dya86, DGJ⁺89,
 EHL80, EHL84, EM84a, EM84b, EA83, EA84, Eks84, ENSC86, EHH88,
 FV86, FT84a, FS82, Fem84, FHMR84, FFH84, FK84, Fer84, FR84, Fie81,
 Fie84, FM85, Fle81, FS84b, Fog84, FS80, FKM⁺87, FE88, Fro84a, Fro84b,
 Fro84c, Fro87, Gal84, GDH⁺89, GTG81, GTG84, GTM85, GTM87, Gat89,
 Gel85, GH83, GH84a, GSZ85, Gia84, GE88, Gio84, Goo84, Gra84b, Gra84c,
 HC83, HC84, Han84a, Han84b, Han84c, Han84e, Han84f, Han84d, HHK86,
 HBJ84, HRS81, HRS84, HMS84, HM81, HM83, HM84a, HM84b, Hib84b,
 Hib84a, Hib84c, Hib84d, Hib84e, HRB84, HK81, HK83, HK84a, HK84b,
 Hub88, HKS83, HKS84, IA80, IA84, IL84, ITR⁺87, Isl81, Isl84a, Ito86, Jab84].

program

[Jac80, Jac85b, Jac85a, JT83, JT84a, JT84b, JA80, JA84, Jam84, JP80,
 JP84b, Kac84, Kam86, KF84, KKP82, KPH84, KKP84, KS81, KS84b, KE84b,
 KE84a, KS84c, Kla84, Klo82, Klo84a, Klo84b, KH89, Köl81b, Köl84b, KS84e,
 KS84f, KS08, KS84g, KS84h, KAR81, KAR84b, KPST89, KP81b, KPP81,
 KPP84a, KPP84b, KPPR84, Lad86, Le 89, LCW84, LZ84, LHP87, LS84,
 MS87a, MRCL84, MLL86, MR80, MR84a, MG84, MRW84, MW84a, MZM⁺82,

MZM⁺84, Mar84b, MW84b, MS84, MGN80, MGN84, MP81b, MP84b, MKS83, MKS84, Mor84a, MC81, MC84b, Mor84c, MT84a, Mor80, Mor84d, Mor84e, Nai84, Nai86, NN84, NT84, Nov87, O'C84b, O'C84c, Odo81, Odo82, Odo84a, Odo84b, Odo84c, Odo84d, Ods84, OT80, Ols83, OT84, Ols84, OTB80, OTB84]. **program** [Öpi87, OCC80, OCC84, PB84a, PNO89, PR84, PV84, Pis84a, PS84c, Pre84b, Pro82b, Pro84, Puf83, Puf84, PGB84, Ram85, Ran86, Ran87a, RWZ87, RRC89, Ras80b, Ras84b, RA82, RA84, Rob84a, Rob84b, Rob84d, Rob84e, Rob84f, RS84a, RBHW84, RSL⁺84, RS80, RS81, RS84b, RS84c, Ryn82, Ryn84, RD80, RF83, RD84, RF84, SMMP86, Sal82, Sal84e, San82, San84, Sar84c, Sax84b, Sax84a, SGS⁺89, Sch88a, SNC80, SNC84, Sch89c, Sch86c, ST82a, ST84c, Sea84a, Sei84, ST84d, STN89, SR84a, SDH84, III88, SS84c, SS84d, Smi84d, SK82, SK84, SVP86, Ste84c, Szé85, Tak85a, Tal89, TCS85, Tau80, Tau81, Tau84b, Tau84c, Tau84d, TT85, Ten83, Ten84a, TN84, TM89, TKS⁺85, TGA88, Tro84, TTL88, Ver83, Ver84a, VVM84, Ver84b, VPB82, VPB84, Vio84, VDM84b]. **program** [VBD88, WGM83, WGM84, WB84, YP88, Yat84, YMW89, ZL84, Zlo81, Zlo82, Zlo84a, Zlo84b, Zlo84c, Zoh84, Zwa85, dB82, dB84, tR85, vMF81, vM84a, vM84f, vMF84, vM84g, vMT84, vM84e, vM84h, vM84i, MW84c, Wil84a]. **program-package** [AI88, IA80, IA84]. **programmable** [Män89, PCL89]. **programme** [VH87, Wen88]. **Programming** [Dow82a, Jes82, KSS86, LT85, Rus87, BKD83, BKD84, BM85a, CRV⁺89, CPL89, Eas82, Mar85, May89, Nag85, Sch86b, Sch85b, Tar86, WHD86, Whi89a, vdB84, Rob85]. **Programs** [AF82, AF84c, Fin80, Fin82, Fin84a, Fin84b, FC84b, Köl84c, LO86, Sch84a, SG83, SG84b, WS82, WS84a, AD84, BF89, Bir85, BvEF85, BS86a, Bri86, Car80, CDW82, CDW84, CM88, CR84d, Com80b, Das89, DVD87, DK87c, Gro89a, Gro89b, Nis88, Ran86, Ran87a, RWZ87, Ran87b, RR84, RV84, SCF86, SS84b, SMD84, VSH83, WC84, WC85]. **Progress** [CGB⁺89, CFG⁺87, HL88, Met89, Ste87]. **Progressive** [Bil89]. **PROION** [Bor82, Bor84]. **Project** [Pla86, Maz89, Ste87, BBC⁺89]. **project-progress** [Ste87]. **Projected** [Fle81]. **projectile** [Coo84b]. **projecting** [Tak85a]. **projection** [ABH⁺84, GM89]. **projections** [CA84, Pre84b]. **projects** [Man87b]. **Prolate** [BC83a, BC83b, BC84a, BC84b]. **prompt** [Puf83, Puf84, War84]. **Propagation** [Hoe86b, AHVV86, BBM82, BBM84, Dru83, DH84b, Fer89, JBWW86, MT81, MMF81, MN84a, MCJ81, MCJ84, Mor84c, PPHS86]. **propagator** [DGO83]. **Properties** [Pol88, BSdlT87, Bri86, DK87c, Mac89a, Mic87, Nog83, Tho84, Tri84, VH87]. **property** [Eck84]. **proposals** [OLR⁺87]. **proposed** [But89]. **proteinic** [CF85]. **proteins** [SCF86]. **Proton** [BMG⁺85, Fun84a, Fun84b, Keg85, MT84b]. **proton-irradiated** [Keg85]. **protons** [BBH⁺84, Mal84]. **Prova** [MZM⁺84, MZM⁺82]. **provided** [THH82]. **pseudo** [ABM89a, Rib80, SRS85]. **pseudo-random** [ABM89a, SRS85]. **pseudofermion** [CMPR88]. **pseudofermions** [FS85a]. **Pseudopotential** [Kol81a, Kol84a]. **public** [IH86]. **publication** [Blo89]. **publisher**

[Ano88i, Ano86-35]. **Pulsamp** [RS84a]. **pulse** [AP89, AK84, DH84b]. **pulse-height** [AK84]. **pulsed** [vM84g]. **pulses** [RS84a]. **punching** [Fem84]. **pure** [AMC83, AMC84, BF84, CM85, DMM83, DMM84b]. **purpose** [BCVZ89, DS84b, DGJ⁺89, Gup88a, Poe85, Pro82b, Pro84, RWK⁺85, RS80, RS84c, vM84a, vM84b]. **pushing** [MSC⁺88]. **PWBA** [TW83, TW84]. **PYTHIA** [BS87].

QCD [BS86b, CMR86, CMPR88, Ing87, IHS⁺88, Odo81, Odo84a, Odo84c, Odo84d, Rit84b, Sch87a, Tou87, Tou89]. **QCDPAX** [IHS⁺88]. **QED** [JW85, KKS87, LO86, MGN80, MGN84]. **QR** [BMK89]. **quadratic** [Zlo89]. **quadrature** [Lew82, Lew84a, ST84b, Tak88a, Tak88b, Tel84]. **quadrupole** [CDN⁺87, DG84, DSSS86, God84, LJLC84, Nai86, SS84a, vM84h]. **quadrupole-distorted** [vM84h]. **qualitative** [Hla80, Hla84]. **quality** [DP89, Sch88b, Sch88c]. **quantification** [Bro83]. **quantities** [Bar83, Bar84e]. **quantization** [FE88, MD88]. **Quantum** [CDL88, Duc86, FH88b, MR86, RSA84, SG82, ST89b, BMV83, BMV84, BTS84b, CCD85, DWC⁺89, GLST89, LL84, MMS87, MR87, NFH⁺88, NBI⁺85, OTB80, OTB84, Sch87b]. **quantum-chemistry** [BMV83, BMV84]. **quark** [Odo82, Odo84b, Rit84a]. **quarks** [CMPR88]. **quarter** [HWL89]. **Quasi** [DeV84, Gad85, RM89, Lan80, MN84b, MGK86, Tal84b]. **quasi-analytical** [MN84b]. **Quasi-bound** [DeV84]. **Quasi-elastic** [RM89]. **quasi-linear** [MGK86]. **quasi-Newton** [Lan80]. **Quasi-optimum** [Gad85]. **quasi-steady** [Tal84b]. **quasicontinuum** [Lea87]. **quasilinear** [SSF⁺89]. **quasiparticle** [HR87, HH84]. **QUB** [BES⁺87]. **Query** [Sko89]. **questions** [Gir81].

R [Eas82, Eas84a, BBL⁺84]. **R-matrix** [BBL⁺84]. **Racah** [AD84, BK84b, SMR87]. **Radial** [Arn84b, SF84a, Bel84a, BC83b, BC84b, FS84d, Jam84, Lab84c, Mar84a, Pie84b, SS84a, Sea84b, Ste84c, Tol86, VPB82, VPB84]. **Radiation** [FM84, BS84c, CFG⁺88, Cha84b, ELS88, Hub84d, KK84b, Lan84b, LO86, RSMTV88, Rei89, TW89a]. **Radiative** [BDK86a, TS89, BKJ83, BKJ84, FS84b, HKK84, IL84, JW85, Mac89a, MPM85, SF84a, SL83, SL84, WBG84]. **RADICAL** [Ran87a, Ran86, Ran86]. **radii** [Fun84a, Fun84b]. **Radio** [BS84d, BS84c]. **radioactive** [Aur84a, Aur84b, EA83, EA84]. **radioastronomical** [Sal84b]. **RAL** [Wha89]. **Ralf** [Man86]. **RAM** [Ska82]. **Raman** [LBY86, MW84a, MW84b, MW84c, Wil84a, YB86]. **Ramses** [DH84b]. **Random** [Bro89, ABM89a, Bro84, Cha84b, CG87, CGG87, De 88, JA80, JA84, KW84a, KCA84, Rib80, Sal87, Sch87b, Sch84a, SRS85, WDM84]. **random-field** [CGG87]. **Random-number** [Bro89, Bro84]. **randomly** [DSM⁺81, DSM⁺84, Gal81, WD84]. **RANF** [KW84a]. **range** [BP84c, CCR88, Com82, FKU⁺84, FS85b, Hub84f, LR84b, Mas83, NK84, PV84, Ste84c, TL84, TUWA84]. **Ranged** [Fin84b, Fin80]. **ranges** [MRW84]. **Rank** [IK85, Ito86]. **Rapid** [Mue84, GMR84b]. **Rapidity** [Jad84]. **Rappaz** [Man86]. **Raptis** [Moh80, Moh84]. **rare** [Câm82, Câm84g]. **Rate**

[Bil84, Bil87, Bie83, Bie84, ONP89, Rob84f, WMCH84]. **rates**
 [Har81, Har84a, ITR⁺87, Le 89, MM88b, SG89, TSD84]. **rational**
 [GMR84b, Gro89b, SW80b, SW84]. **rationals** [DSK83, DSK84b].
Raubenheimer [Sim84, Sim80]. **ray** [AWG84, Deu84a, Deu84b, Deu84c,
 Deu84d, DPH82, DPH84, FHMR84, FFH84, FK84, Fer84, FR84, FC84b,
 Hub84c, KBMV86, Lea87, MZM⁺82, MZM⁺84, MGMZ84, MCA87, PJ89,
 Rei85, Rei86, RM89, VSP86, WML⁺82, Zlo82, Zlo84a, vM84i]. **ray-tracing**
 [KBMV86, PJ89]. **Rayleigh** [SSS84, SS84c]. **Raynal** [YFL87]. **rays**
 [GTM87, PDNE88, RSL⁺84, SS84c, SS84d]. **RCWFF** [Bar84d]. **RCWFN**
 [Bar84d]. **Rdlist** [Day84a, Day81]. **reacs** [Rob84d]. **reactance**
 [BTS84b, BW87, Hen84, OTB80, OTB84, Sar84a, Sar84b, Sar84c]. **reacting**
 [Key89]. **reaction** [Bas87a, BvSW84, DKA85, GG89, Har81, Har84a, Hod84,
 ITR⁺87, KPP⁺89, MM88b, RS81, RS84b, SG89, WMCH84, vdM84a].
reactions [AMK81, AMK84, Ass84, Bas87a, Bet84, But84, DL87, DP88,
 DKA85, DD86, EE89, FKU⁺84, HIM84, Hei84, HMS84, MT84a, ONP89,
 OVQT⁺84, Rob84d, Rob84f, SM84a, SAC87, Sei84, SS84b, SMD84, SR84a,
 SDH84, Tak85a, TUB83, TUB84, TCR84, TL84, TUWA84, WMC84].
reactive [DWC⁺89, HH82]. **reactivity** [Kam86]. **reactor**
 [BSA86, Das83, Gad80, HLM⁺87, LCS84, Mar89b, Moh89]. **ready** [Wil89].
Real [FRS83, FRS84, SM85a, Sne85, AM84e, Bar81a, Bar81b, Bar82, Bar84b,
 BFG84, Bar84c, Bar84d, Cam81, Cam84c, Cam84a, Cam84b, CFG⁺87,
 Cli82, CRL⁺89, EP86, FMS87, GSS81, Gli82, G6r88, Ken89b, Sch86b,
 Sch88b, Sch88c, Tau80, Tau84c, TB87, Tho04a, Zal88]. **real-time**
 [FMS87, GSS81, Gli82, Sch86b, Sch88b, Sch88c]. **realistic** [FRS83, FRS84].
realization [CDL88]. **realize** [PT85]. **reciprocal** [HM84c]. **recognition**
 [AO88, Bil89, Rob87a]. **recoil** [PV84]. **recombination**
 [BS84d, FS84b, LH88, Mag84a]. **Reconnection** [KJRS88, Son88, Uga88].
reconstruction [DFOP89, GDH⁺89, KPST89, Per89, Sta89, TA89].
recoupling [BSK88, Bur84]. **rectangular** [Hou87, Lew82, Lew84a].
Recurrence [MP81a, MP84a, Tol86, Arn84a, Lee89]. **recursion**
 [Hay83, HW84a, Hay89a, Nex84, PT82]. **Recursive**
 [Hay89b, PB84b, SG84a, HDK84, Hay80]. **reduce**
 [Sch84c, BO80, BH88, DR85, Eas87a, EFK85, GK80, Har89, Ito85, IK85,
 Ito88, KK89, Sch82b, Sch86d, ST89b, FK86b, Ito86]. **REDUCE-2** [BO80].
Reduced [Bra84e, FS84c, KKLP84, Klo84c, BC84c, BF84, Cha84e, MKS83,
 MKS84, Rob84a, Sax84b, Sax84a, Bra84d]. **Reduction**
 [FSP87, Joh85, Stu88, vMT84]. **reference** [Lid84b]. **refinement** [LM84].
reflection [ACR88, FK84, Fer84, KN84a, MR80, MR84a, PI84]. **reflections**
 [FHMR84, FFH84]. **reflective** [PJ89]. **reflector** [Moh89]. **refraction**
 [ACR88]. **refractive** [BLB88]. **refresh** [BGMM81]. **regarding** [Gup88a].
regeneration [Rob83]. **Regge** [BT84b, HIM84]. **reggeon** [BB84b]. **region**
 [BKJ83, BKJ84, vdM84a]. **regions** [BS84d, Lew82, Lew84a, Moh89, RG86].
register [CG87]. **registered** [OVQT⁺84]. **regression** [DP84]. **regular**
 [Bar81a, Nes84]. **regularity** [BRB89]. **regularization**

[Pro82b, Pro82a, Pro84, tR85]. **regularizations** [RS80, RS84c]. **Reid** [Bra86]. **Reidel** [Art85a, Rob85]. **related** [BLMU81, BKvLSE80, BKvLSE84, CR84a, vdV89]. **relational** [LSW87, Sko89]. **Relations** [Mur88, Arn84a, Han84d, Lee89, Tol86, You87]. **Relationship** [Sch87b]. **relationships** [PIM82, PIM84a]. **relative** [BPW84b, BPW84c]. **Relativistic** [BZ84, Bra84c, Bra84b, LCW84, BS83, BS84a, DLB83, DLB84, Des84b, DGJ⁺89, FKM⁺87, GE88, Gra84b, Gra84c, Lab84a, LW84a, LZ84, Man83a, MSFR89, Mor84e, PP85, SSS84, STN89, SFB87, SS84d, WB84, Yat84]. **relativity** [SG83, SG84b]. **Relaxation** [CLL89, Got83, AZK83, vMT84]. **release** [IH86]. **relevant** [Str81]. **reliable** [Han84c, Han84e]. **Remark** [SM85f]. **Remarks** [GS88, LB82b, Gen88, Goe84]. **remote** [Ghi87]. **renaming** [Nas87a]. **rendering** [vD87a]. **renormalisation** [vTBF84]. **renormalised** [SP87]. **renormalized** [DW88]. **Renyi** [Cha84a]. **reorientation** [BL86]. **Reply** [BD81, Mag81]. **Report** [Kil80].

Representation [FH88a, BS86b, Cho84, Hel80, Hub84b, MG84, SM81b, SM84e, SM85b].

Representations [Dom86, DLPL89, BWBL88, KS87a, MPS84, Net84, PZCC89, SM82, SM84f, SM85d, SM85e, Wor84b]. **represented** [Pro82a].

Repulsion [EBS88, Ben82, Ben84a, BDD84, HC83, HC84]. **required** [ST84e]. **requirements** [Cio89]. **rescue** [MPS81]. **Research** [FKM⁺87, Kil80, DL89, LP89]. **Resfit** [BB86]. **residual** [Oya86]. **residues** [DKA85]. **Resistive** [LCH⁺81, Ede84, IK81, HR81, KLG85, Kir87, MBOK86, MPIM86, TAK⁺85b, ZC84]. **resistivity** [Isl84b]. **Resolution** [SMM89, Ver82, BR85, BPSB88]. **resolvents** [Nex89]. **RESON** [TN84]. **resonance** [BB86, DG84, KM86, SAVV87, Sea84a, SDH84, TTL88]. **resonances** [HR84a, Hla86, TN84]. **Resonant** [KP85, KK84b, VPB82, VPB84]. **resources** [ASS82, McI84]. **respect** [JP84a]. **respectively** [Ano89h]. **response** [GM89, LZ84, LLC84, MPM83, MPM84, ZL84]. **restart** [HR84e]. **restricted** [Jam87]. **restructuring** [CKV85]. **results** [ABMT84, BBH⁺88, Eld84].

Retrans [Kam86]. **retrieval** [DSK84a, HM84d, Jac85a, Vis84b, BJ81b, BJ84b]. **retrieve** [Jac85a]. **retrieving** [Sko89]. **Revai** [YFL87]. **Reversed** [SBM⁺86, HWL89].

Reversed-Field [SBM⁺86]. **Review** [And86, Ano89h, Art85a, Art85b, Bra86, Duc86, Eas80, Eas82, Eas84b, Eas84a, Eas89, Fin87, Gri87, Jes87, Lis88, Man86, Nad86a, Rob85, Sch86a, Sta87b, Taj86, Van81b, MPIM86, Tri84]. **review-of-particle-properties** [Tri84]. **Revised** [Gra84c]. **revision** [Ano80g, Ano82i, Ano86f]. **revolution** [DM89a]. **rezoning** [MN80]. **rf** [OCS86, AHS⁺86]. **Riccati** [RW84]. **rich** [Män89]. **Richardson** [GB87, Jam88]. **Riemann** [BD80a, BD84a]. **Riemannian** [DR85]. **Rigid** [AF82, AF84c, Fin82, Fin84a, AB86, KN84c]. **ring** [Män89, Sam85, TS84b, Wil84c]. **RISC** [Hey88]. **RITSSCHIL** [Zwa85]. **RKR** [Tel84]. **ro** [CRH⁺89, Ten83, Ten84b, Ten84a, Ten86, TM89].

ro-vibrational [CRH⁺89, Ten83, Ten84b, Ten84a, Ten86, TM89]. **Robert** [Art85b]. **role** [Ebe84, Hey89, LSW87, Lid84a, Zac81]. **ROMPIN** [GE88]. **Root** [SW80b, SW84, DSK83, DSK84b]. **Root-rational-fraction** [SW80b, SW84]. **Roothaan** [HKS83, HKS84]. **rotating** [BV80, BV84, Sch88a]. **Rotation** [CLS88, CRL⁺89, BC84c, Bru85, Bru86, RRG88, SMT88]. **Rotation-vibration** [CLS88]. **rotational** [BB84a, Bou87, CRH⁺89, CCS89, DK87b, EHH88, HH84, Hir84, JT83, JT84b, LNB⁺88, Nai84, Nai86, Ogi83, Ogi84, BR85]. **rotational-vibrational** [LNB⁺88]. **rotationally** [JT84a]. **rotations** [CC89a, Tau84d]. **rotator** [BCCM87]. **rotlev** [Ten86]. **rotor** [CDL88, Jam87]. **ROTTRA** [Tau84d]. **Round** [Ano88-35]. **Round-table** [Ano88-35]. **Rounding** [Hay83]. **Routh** [GV87]. **Routh-Hurwitz** [GV87]. **routine** [Bas87c, CKA89, Gru84d, Hou87, HR84b, Isl84b, KA87, MM88b, Moo84f, Moo84g, NP84, Ste84a, WS84b, Zlo84d, vM84e, vM84b, vM84c]. **Routines** [Wai87, BN81, Vis84b]. **Rovibrational** [Hen84]. **RPA** [ENSC86, Jes85]. **RRKM** [Ryn82, Ryn84]. **RSPT** [Nog83]. **rule** [AO88, EC84, Le 89]. **rules** [Lee89]. **rumpled** [MS88]. **run** [BTS84a, DTE84, NA84, VH87]. **running** [JMS⁺89]. **rupp** [Rin84]. **RWSYST** [KS86a]. **Rydberg** [RA82, RA84].

S [Bra86, Eas84b, JB80, MZZ89, Cug84, SM82, SM84f]. **S-state** [Cug84]. **SA** [Ano87-29]. **SA/SD** [Ano87-29]. **Saclay** [Gou88]. **safety** [Sch88b, Sch88c]. **SAMP080** [KAR84b]. **samples** [DSM⁺81, DSM⁺84, Gal81]. **sampling** [KVVW84, Sal87]. **SAMPO80** [KAR81]. **Sanibel** [Ano82a]. **SASD** [Bor89, Gat89]. **SASD-tools** [Gat89]. **SATDSK** [McN81, McN84]. **Satellite** [Hin81, WB82]. **satellites** [Gli82]. **saturated** [McN81, McN84]. **sawtooth** [OS86]. **Saxon** [Cug84, CDN⁺87, DHD84, HH84, Hir84]. **Saxon-Wood** [Cug84]. **Scalar** [EK86, Klu84b, KS84g, Mar89c, Stu88, vM84f]. **scale** [BLM⁺88, BBC⁺89, Car80, CH84c, Duc80, Dun87, GWTM83, Kas82, Man87b, MR87, Pat82, SN84, Sch87a, vM84d]. **scales** [MRC85]. **scaling** [Gad85]. **scan** [MPS81]. **scatter** [Dun87]. **scatter-plots** [Dun87]. **scattered** [KKP82, KPH84, KKP84]. **scattering** [AT84, AP82, AP84, BB84b, BS83, Bar83, BS84a, Bar84e, Bas87b, BTS84b, BT84b, Cha84d, Chi84a, CLS⁺84, Cop81, Cop84a, Cop84d, Cop84c, Cop84b, CVvWF86, Deu84a, Deu84b, Deu84c, Deu84d, DWC⁺89, EM84a, EM84b, Fie80, Fun84a, Fun84b, GE88, Gje81, Gro84, Han84d, Ing87, JT84a, KF84, Keg81, Keg84, KKT⁺88, Lan82, Lan84a, MS84, Moo84h, Nor84a, OM83, OM84, OTB80, OTB84, PSL88, PP85, Ras80a, Ras84a, Rei85, Rei86, RM89, SP87, Sal82, Sal84e, Sin84, Sko84, SS84c, SS84d, Smi84b, Smi84d, ST84e, SR84b, Ste84c, ST82b, ST84f, TTW84a, TW89a, TS89, VM89, WML⁺82]. **sced** [BLT81]. **SCF** [Cio89, KKP82, KPH84, KKP84, WB84]. **SCF-X** [KPH84, KKP84]. **scheme** [Hla80, Hla84, IR80, ST84b, Wil84b]. **schemes** [Dya86, FC84b, GV87, TL89, WL84]. **Schmidt** [O⁺C84b]. **Schonauer** [And86, Tru88]. **School** [Ano88-27, Beh84]. **SCHOONSCHIP**

[Wro82, Wro84, GLST89]. **Schrieffer** [MvV83, MvV84]. **Schrödinger** [Bel84a, BVL84, BL88, CR84c, DRRvB82, FV86, FGS85, Fog84, GS83, Has84, Hay80, HLS84, IR80, Ixa80, IR85, IB87, KP85, LM85, LR84a, Mar84a, MZZ89, PR87, Rap81b, Rap83, RC85, RC87, TV86, VPB82, VPB84]. **Schur** [Ege82, Ege84]. **Schwinger** [BCCM87]. **science** [Her84a, Her89, Kas82, Wen88, Bra86]. **science-design** [Kas82]. **Scientific** [Tru88, BHSS84, BGM87, Gue89, HGJ⁺89, Hut89, JHRR87, Nag89, PD89, Pat82, Pla86, PT85, Rea89, YSHK85]. **scientist** [Boc89]. **scintillation** [AGF87]. **scintillators** [GTG81, GTG84, GTM85, GTM87, GTMA88]. **score** [Ott89]. **screening** [DH84a]. **SD** [Ano87-29]. **Search** [O'C84c, AB88, Bas87c, Coo84b, Man83a, Mir84, Smi84d, Smi84f]. **Second** [Duc86, Sil84b, AI88, Aur84b, BBM82, BBM84, Cha84d, Cla82a, DO84, Kal83, Lew84c, MBW89, Mor84c]. **Second-order** [Sil84b, BBM82, BBM84, Cha84d, Cla82a, Lew84c, MBW89, Mor84c]. **section** [AMK81, AMK84, Bet84, BW87, Cap86a, FGK89, KS86b, LW84a, ONP89, SR84a, WMCH84]. **sections** [All84b, BKvLSE80, BKvLSE84, BGS81, BGS83, BGS84c, BGS84a, BGS84b, Bie83, Bie84, Bil84, BTS84a, BTS84b, CLS⁺84, DL87, FNDL89, Har81, Har84a, Hei84, Hen84, HMS84, JT84a, LJLC84, MMM84, MPR80, MT84b, Nov87, OM83, OM84, OTB80, OTB84, PDNE88, PV84, PS84b, RS81, RS84b, Sal82, Sal84e, Sar84b, Sar84c, Sar87, SAC87, SS84b, SMD84, SG89, Ver89, WL84, vdB84]. **segregation** [BH81, BH84a]. **Seismic** [KSG82, DS82]. **select** [Ten86]. **selected** [TB87]. **selection** [Whi89a, Zal85, HM84c]. **Self** [CCR84b, AI88, BLT81, Des84a, IA80, IA84, LCW84, MC81, MC84b, PIM82, PIM84a, SSS84, WB88, WD84, ZNF87]. **Self-consistent** [CCR84b, BLT81, LCW84, SSS84, WB88]. **self-contained** [AI88, IA80, IA84]. **self-diffusion** [WD84]. **self-improving** [PIM82, PIM84a]. **self-similar** [ZNF87]. **self-supporting** [MC81, MC84b]. **Semianalytic** [Wie85]. **Semiclassical** [Joh88, DP88, ITR⁺87, MD88, NKS88, Sch88a, Vaz81, Vaz84]. **Semiconductor** [BCD⁺89, MV83, MV84b]. **semiconductors** [MV81, MV83, MV84a, MV84b, NW84, WW84b]. **semiempirical** [BTWN87, PIM82, PIM84a]. **sense** [Bok84]. **separable** [LM85]. **separation** [MR84b]. **separatrices** [BHM81]. **Sequence** [EBS88, AZK83, CG87, Kno84]. **Sequential** [KCA84, Bir85]. **SERC** [THH82]. **Series** [Ano89h, FK86b, Gri87, Sch86a, Sta87b, Ano82a, CM81a, CM84c, CB88, Del84b, DM88a, Eas84b, Gro89b, Jam84, Nex80b, RA82, RA84, ST84d, Tru88, Ver83, Ver84a, Zlo81, Zlo84c]. **server** [O'N89]. **service** [Ano89a, THH82]. **SESM** [McI84]. **set** [AN87, Ano89h, Bas87b, Com80a, Com84, HD86, Han84a, KC81a, KC81b, KC84a, KC84b, Öpi87, SK82, SK84, SV84, Tau84a]. **sets** [Com80b, FSP87, KS84a, Moo84d, Poo83, Rao81, Rib80, SC89, Tol85]. **SEURAT** [HP83, HP84]. **several** [LBY86, SK82, SK84]. **Shafraanov** [LWHH82, LWHH84]. **shallow** [CSC89]. **Shape** [MM82, MM84b, DG89, Jam80, SBF187]. **shaped** [Hof88]. **shapes**

[Tal82, Tal84a, vM84b]. **sharable** [JN87]. **Shared** [Ott89]. **Shared-memory** [Ott89]. **Sharing** [Rob85]. **shasta** [WBG84]. **sheet** [Uga88]. **Shell** [Ric82, Ric84, All84c, AM84a, AGF87, BDD84, CC89a, Chi84b, DS89, GA84, Hub84a, Klu84a, KL84a, LW84b, MMBW88, MNJL84, Ras80a, Ras84a, Sin84, SK86, Zwa85, KN84b]. **shell-model** [SK86, Zwa85]. **shells** [DHN84, DH84a]. **shift** [CG87, NM84, Smi84e]. **shift-register** [CG87]. **shifted** [Cha80]. **shifts** [KF84, MS84, Ste84c]. **Shock** [KL84b, Ter88]. **shocks** [Ods84]. **shooting** [BL88, CD86]. **short** [BP84c, Fin80, Fin84b, Ste84c]. **short-range** [Ste84c]. **short-Ranged** [Fin84b, Fin80]. **shortest** [Bas87b]. **shortest-path** [Bas87b]. **shower** [Miu87]. **showers** [Che89, GHO⁺89, Goo84]. **SI** [Cam84e]. **SIGMA** [YSHK85]. **SIGMA-1** [YSHK85]. **Signal** [HRW85, Kri89, SM85a]. **significant** [O'C84c]. **SIGV5D** [MM88b]. **silicon** [BAG⁺87]. **SIMD** [BMBW85, WMH82]. **similar** [ZNF87]. **similarity** [CC89b]. **Simple** [Vis84a, FAK82, GSS81, Gli82, GMR84b, Jak84, Man83a, Man87b, Sch89c, Ver82, vM84i]. **simplicial** [DMM83, DMM84b]. **simplified** [DL87, FNDL89]. **simply** [KS89]. **Simula** [Phi86]. **simulate** [BSDM88, HR84a, HR86a, HR86b, Rit84a, Rit84b, Rit86, SMMP86, vM84h]. **Simulated** [SNH⁺88, WDM84]. **simulating** [BS86b, MGMZ84, Odo84a, Odo84d, ZS87]. **Simulation** [AGH⁺88, AB83, ACC⁺86, Bai87, BCD⁺89, BL86, DSM⁺81, DSM⁺84, DEW84, FR81, Fin87, Gal81, Jam82, Lea87, LVP84, LNV84, LB82b, OBLR84, RSP81, RSP84, dBM82, dBM84, ABM89b, AP89, AS89, AGR88, AF82, AF84c, AM81, AMC83, AM84d, AMC84, BB84a, BKJ83, BKJ84, BDK86a, BDK86b, BDK86c, Ber84b, BBH⁺88, BKHJ83, CMPR88, CNRS82, CM85, Che89, CGG87, Chr84a, Chr84b, CCS89, CMS83, CMS84, CGMS89, CM83, CM84e, DBB84, DMM84a, DM86b, DMM83, DMM84b, DKA85, DD86, Eas86, Eas88, Eas89, EMM81, Fer89, Fin80, Fin82, Fin84a, Fin84b, Fin86, Fre87, GM89, Goo84, GG89, Gro84, Gup88a, Gup88b, HMT084, IHS⁺88, JW85, JMS⁺89, JN85, Kas84, Kir87, Kra86a, Laa86, LTK88, LNS84, MN80, McI84, McN81, McN84, Miu87, MEB88, MT86, MMR89]. **simulation** [MKRJ89, NFH⁺88, Odo81, Odo84c, RFS89, RSS85, Ryn82, Ryn84, Sal85, Sch86a, SBM⁺86, Sne85, SV84, SM86, Swi88, Tat80, Tha89, TGA88, TW89b, TW81, Wan87, WD84, YMWW89, Taj86]. **simulations** [AB86, Ano87b, Ano89x, BMR84, BLR82, BLR84, Bin87, BT88, BMG⁺85, DM87, GHO⁺89, GWTM83, GDK89, HH82, MMS87, MKH86, Mic87, Moh89, Mül87, MGT84, Mur88, PBKW85, Pou88a, Rap85, Tou89, Uga88, Voh88, ZHR81]. **simulator** [Keg81, Keg84]. **sinc** [BKK86]. **since** [Van81a]. **Singer** [HVS87]. **Single** [CDN⁺87, Lew84c, Rei86, DW88, Hub84a, Kal82, Kal83, MLL86, MT84a, Sal87, SDH84]. **Single-particle** [CDN⁺87, Lew84c]. **single-particle-inclusive** [MT84a]. **Single-phonon** [Rei86]. **single-variate** [Sal87]. **singlet** [BR85]. **singlet-singlet** [BR85]. **singular** [Gad80, Mik80, MP82]. **Sipsol** [Jes84]. **site** [NHK82]. **Skew** [PP85]. **Skyrme** [Sal85]. **slab** [Cop84d, Ede84]. **slabs** [LW85]. **SLAM** [ACR88]. **Slater** [Yur84, AT84, Des84a, DF84, Gol84b, Lab84d, ST84e, WB84].

Slater-Transform-Preuss [Yur84]. **Slater-type** [AT84, DF84, ST84e]. **SLC** [BGGW⁺89]. **slightly** [Moo83]. **Slit** [Deu84a, Deu84b, Deu84c, Deu84d]. **slot** [DM89a]. **Small** [BC88b, KKLS82, Aur84a, Aur84b, DTE84, Deu84a, Deu84b, Deu84c, Deu84d, ETH84, EA83, EA84, Gli84, LBY86, Rib80, Ste84d, Szé85]. **small-computer** [Gli84]. **smearing** [Deu84a, Deu84b, Deu84c, Deu84d]. **SMOOS** [Zlo81, Zlo84c]. **Smooth** [Ben88]. **Smoothing** [Woo86b, CP81, CP84, DGPM85, Woo86a]. **SNEX** [Wie85]. **Socio** [McI84]. **Socio-economic** [McI84]. **sodium** [ÖW84]. **soft** [Eas89]. **Software** [BAA⁺87, Boc87, BCC⁺85, DP89, Dow82c, Dow82b, Kan87, Kun89, Maz89, Nad86b, Ric86, Rob85, Sch86b, Sch88b, Sch88c, Sto89, Wes87, Wil86, WH89, Ano87-29, AW89, BF89, BGGW⁺89, BGM87, BCVZ89, Cam86, Car88, CNRS82, CMH87, Dob89, FP89, Gau84c, Gou88, HGJ⁺89, HB85, HR84b, IKM85, Jam86a, JN87, Kel87, Krá86b, LSW87, Mik86, Nev82, Phi86, Pla86, Rob83, Sau85, SEF⁺89, SSM85, SBB⁺89, Stu85, Tau85, Vie88, Was85, Zie88, Sch88b]. **Software-safety** [Sch88c]. **solar** [JB80]. **Solids** [vD87a, AF82, AF84c, Fin82, Fin84a, HRB84, HPT80, Laa86, MEB88, PT84]. **Soliton** [HGW86, Sal83b, Sal84f, FOW87, Mak80, MLS81]. **solute** [BH81, BH84a]. **Solution** [CKA89, Cla82b, DW88, IK81, FBS88, FBS89, Hug84, LW84b, Moo83, MZZ89, Par84, WW80, AS83, And83b, And83a, AS84, And84b, And84a, BH85a, Bel84a, BVL84, Bur85b, CSC89, Car84a, Chi84a, CT84b, Col84b, CSW84, Das83, ERB88, GJ84, GV87, GS88, GS83, Hay80, Hou87, HKK84, IR80, IR85, Jam87, Jes84, KP89, KBMV86, KA87, KRSV82, KK83b, KP85, LNV84, LR84a, Mar84a, MP81a, MP84a, Mar89a, Nor84a, PR87, PT86, Rap81b, RC87, Saa89, SA83, SA84, SFB87, SSF⁺89, TV86, Vaj82, VPB82, VPB84, WMH82, Wie85]. **solutions** [Arn84a, Bas87b, Cre80a, Cre84a, DGL89, Ede84, FBW82, Gaj85, Has84, HKT85, LWHH82, LWHH84, LT87, NN84, Rap83, RG80, RG84, TTM⁺80, WH81, Art85b]. **solve** [BV80, BH81, BV84, BH84a, BSA86, CL84, Ixa80, SK82, SK84, TSD84]. **solver** [AKS88a, AKS88b, BMR85b, BH82, BH84b, CH84a, Gru80, Gru84b, KS89, PP82]. **Solving** [FGSH85, Tol85, AZK83, BBM82, BBM84, Cha84d, DRRvB82, DWC⁺89, Gru84a, KS84f, Mor84c, RW84, Rud84, SC89, ST82b, ST84f, Sun88, WBG84, tR85]. **Some** [For89, Goe84, KWPP89, LB82b, Man83b, Man87b, Gaj85, IR85, Sam85, WHD86]. **SOS** [NKS88]. **sound** [Mor84a]. **Source** [KK89, BBR89b, GS89, Hub84d, Pie84b, Sal84b]. **sources** [BS84c, SG89]. **Space** [DR85, CCR88, CM81b, CM84f, DE84, DV85, ET84, GWL89, Gre88, HKT85, HSV84, HLM⁺87, IKRT89, Jab84, Jad84, KK84a, KSE86, Lan82, Lan84a, LT87, MD82, Mor84e, Net84, OM88, PSL88, PZCC89, PB84b, Sim80, Sim84, Vie88, Vrb89, Wen88]. **space-charge** [DE84]. **spacecraft** [SG83, SG84b]. **spaced** [AAMB84, CM84b, Tor82, Tor84, Wai87]. **spaces** [GS88, Lan80]. **spall** [RS84b, RS81]. **spallation** [RS81, RS84b]. **spark** [BLMU81]. **Sparse** [DR82, Ben82, Ben84a, BH82, BH84b, DWC⁺89, Nex80a, SG81]. **spatial** [Nog83]. **Special**

[RWK⁺85, Rea89, KS87a, LS84, Poe85, SG83, TS89, Tru88, SG84b].
specialised [VGD⁺89]. **species** [Rob84e]. **specific** [CNRS82]. **Specification** [Sch85a, Bri86, Gór88]. **spectra** [AP82, AP84, ABG⁺81a, AK84, AWG84, BB84a, BPA84, Ber80, Bet84, BR85, CT84a, CSC⁺86, Cli82, DSM⁺81, DSM⁺84, FV82, Gal81, GWL89, Gro84, HMS84, HPT80, Keg85, KEMP81, KE84b, KEMP84, KE84a, Lea87, LBY86, MZM⁺82, MZM⁺84, MGTD84, PT84, Puf83, Puf84, RA82, RA84, RRG88, RF83, RF84, Sea84a, SMT88, TUB83, TUB84, TM89, Ver83, Ver84a, VDM84b, War84, WS84b, Zlo82, Zlo84a, Zlo84b, dBM82, dBM84]. **Spectral** [DG89, Fia84, Lan84b, Rap81a, HL86, HvrRM86, Mar89c, MD88, SLH84, YB86, vM84c]. **Spectro** [Zlo84d]. **Spectro-oriented** [Zlo84d].
spectrometer [BPSB88, DSSS86, LLC84, Sau85]. **Spectroscopic** [Ogi83, Ogi84, FS84c, HEL84, Lab84a, Sax84c, Tak85a, vM84b].
spectroscopy [FC84a, LBK88, Ste84d]. **spectrum** [DO84, HSA82, HSA84, IR80, Keg81, KAR81, KAR84b, LNB⁺88, Sal84b, SR84b, Szé85, TW83, TW84, WV80, WV84, ZNO88, vM84d]. **speed** [CKV85, Fri88, IKRT89, RSS85, RP89b, RP89a, Run89, SNH⁺88, SC84, UI85].
SPH [Ben88, Mon88]. **sphere** [LNB⁺88]. **spheric** [Chr84a]. **Spherical** [AM84e, Bra84a, Cla82b, CRL⁺89, DS89, Del84b, ELS88, HR87, HKK84, JT84a, KP85, MW84b, MW84c, Tal83, Tal84c, WS82, WS84a, dB82, dB84, Fin80, Fin84b]. **spherically** [SL83, SL84, VČ88]. **spheroidal** [BC83a, BC83b, BC84a, BC84b]. **Spin** [Lan84a, NHK82, ABM89b, AB83, BC88a, Bas87a, BZ84, BSDM88, CMR86, CGG87, DG84, ENSC86, FAK82, HDK84, Hei84, HMT084, Hub84a, JW85, KF84, KS87a, Klo84b, Lan82, MV83, MV84b, MGTD84, PSL88, PP85, SM84a, Sax84c, SDH84, ZHR81, vMF81, vMF84, vM84g, Ste84b].
spin-dependent [CMR86]. **spin-echo** [vM84g]. **Spin-glass** [NHK82, HDK84]. **SPIN-HAMILTONIAN** [Ste84b]. **spin-orbit** [Klo84b, MV83, MV84b, PP85, Sax84c]. **spin-orbitals** [BZ84]. **spin-spin** [ENSC86]. **spins** [Coo84b]. **Spitbol** [WC85]. **Spline** [CP81, CP84, AAMB84, BD80b, BD81, BD84c, Cha82, Cha84c, CM84b, Fie80, Fie81, Fie84, FV81, KRS83, Tor82, Tor84]. **spline-based** [BD80b, BD84c, FV81, KRS83]. **splines** [Bok84, PJ89, PS84c, SBFI87, WSV88]. **SPLIT** [RWZ87]. **SPMD** [JMS⁺89].
Sponsors [Ano84-86, Ano85-29, Ano86-36, Ano89i]. **spontaneously** [Uga88].
Springer [Ano89h, Eas84a, Eas89, Fin87, Man86, Sch86a, Sta87b, Eas84b].
Springer-Verlag [Ano89h, Eas84a, Eas89, Fin87, Man86, Sch86a, Sta87b].
sputtering [Abr88]. **SQSIMUL** [BSdlT87]. **square** [DSK83, DSK84b, Luc84, Moo81a, Moo84a]. **squares** [Bok84, CAP86b, Han84f, LM84, O'C84b, RFSG84b, Sha87, WS84b, Woo86b, vM84c].
squeezing [BSdlT87]. **SSOR** [Cam84e]. **SSOR-SI** [Cam84e]. **Stability** [GKM⁺81, ABG⁺84, Atz86, BLM⁺88, BHM81, DM86b, Eas87b, Fro84c, GR81, GV87, GTB⁺81, GPS⁺81, GTB⁺84, KT81, Lis84, MLS81, MGD81, SS81, TTAT81, TAK⁺85b, TTM⁺80]. **Stability-beta** [GKM⁺81].

stabilization [Arn84a]. **Stable** [BD82, BD84b, Man83a]. **stage** [MC84a, VKM⁺82]. **Standard** [Hal88, Red88, Sta87a, CR84d, DK82, KKLS82, Lid84b, Met87, Odo84d, Sal84a, Tar86]. **standardization** [Met89, Sch88b]. **standardized** [Ver89]. **Standards** [Mye89, Rim81, Hop85, Osl88, Van89]. **star** [BM84b, HEL84, HE84b, He84a]. **stark** [Nai84]. **Starnet** [BCC⁺89]. **stars** [Mik84]. **State** [Gri87, And84c, Cug84, DW88, DeV84, FCW84, Fie80, HDK84, HR87, ITR⁺87, KP85, LW84b, LR84a, Mac89a, Mor84b, MZZ89, NF83, NF84, PM80, PM83, PM84a, PM84b, Smi84c, Son88, Tal84b, VPB82, VPB84, ZC84]. **statements** [Sal84a]. **states** [ANP⁺85, BC88a, Bra84c, Bra84b, BF84, CCR84a, DK87b, DHD84, Eks84, FGSH85, GWL89, HKT85, HH84, Hir84, KW84b, Lab84a, Lid84b, LT87, Ogi83, Ogi84, SM84a, SM81b, SM84e, SM85c, SM85e, Tal84b, WS80, YP88, YP89]. **Static** [Mat87, Rin84, BSA86, CMR86, FT84a, FNDL89, Gia84, Han84b, MLL86, Ras80b, Ras84b, SNC80, SNC84, VH87]. **stationary** [Ede84, WW80, Zlo81, Zlo84c]. **stations** [Rei89]. **Statistical** [Chi89, FR86a, ACC⁺86, Cha84b, CCD85, Har81, Har84a, KN86, Lee89, Zlo81, Zlo84c, ZHR81]. **statistics** [BSdlT87, Cot87]. **Status** [DL89, Ken89a, Mon87]. **Stauffer** [Eas89]. **steady** [FCW84, KW84b, NF83, NF84, Son88, Tal84b, ZC84]. **steady-state** [ZC84]. **Steed** [Bar82, Bar84b]. **steering** [BE89]. **STELLA** [SG83, SG84b]. **stellar** [Hub88]. **stellarators** [Dom86]. **step** [IR85, RC85, Zal88]. **stereographic** [Pre84b]. **stereophotographs** [AN88]. **stereoscopy** [KR81]. **stiff** [PP82]. **still** [Her89]. **stimulated** [LVPG84]. **Stlplt** [CA84]. **STO** [Jun81, Jun84]. **Stochastic** [ASS82, Pon81, HLM⁺87, RG86]. **stochastisation** [EPS81]. **stokes** [LBY86, Gaj85, KP89, YB86]. **stopping** [DM86a]. **storage** [Cio89, Lan87, Nas84, VVM84, Vis84a, Vis84b, Wil81, BJ81a, BJ84a, HM84d]. **store** [Jac85b, TVD87]. **stragglng** [CJ84]. **straight** [GPS84, Pet84, PS84b]. **strategies** [Fri88, KWPP89]. **strengths** [Ata85, CRH⁺89, Cla84, Duf84, FS84d, God84, Hib84c, Sar84a, Sar87]. **stretching** [MN80]. **Strimp** [SVP86]. **String** [CMS84, CMS83]. **strings** [MMR89]. **strip** [MS87b]. **strong** [HKT85, LT87]. **strongly** [vM84c]. **Structure** [BMBW85, Sch89c, BB84a, BAG⁺87, BR85, De 84b, DWVH89, DPH82, DPH84, DGJ⁺89, FKM⁺87, GH84b, Gra84b, Gra84c, Han84b, Han84d, HA82, HA83, HA84b, HA84a, Hib84b, Hib84a, Hib84d, Hib84e, Hof84b, HM84c, HM84d, HM84e, HRB84, Isl81, Isl84a, Kan87, KS87a, KN84c, KN84b, Lad86, MV81, MV83, MV84a, MV84b, Mik84, Mir84, Nai84, Nai86, NJ82, NJ84, Odo82, Odo84b, RP89b, RP89a, Sal83a, Sal84d, San82, San84, Sar84b, Sar84c, Tep84, VSP86]. **Structure-from-motion** [BMBW85]. **structure-matching** [Hof84b]. **structured** [Kel87, Ken89b]. **structures** [Ber84a, CF85, DK82, KM82, KM84b, MZM⁺82, MZM⁺84, Put89, Rea89, Sch89a, Sch88c, TGA88, Wil88]. **studies** [Atz86, HR81, HWL89, LCH⁺81, SS81]. **Study** [MP82, BKD83, BKD84, BP84c, Cha84d, Mic87, OSF86, RMV89, ST89a, Sta87a, ZR89]. **studying**

[SVP86]. **Stuttgart** [Rue89]. **sub** [Smi84a]. **sub-millimeter** [Smi84a]. **subgroup** [PZCC89]. **subgroup-symmetry** [PZCC89]. **Subject** [Ano84-87, Ano87-28, Ano88-36, Ano89-32, HE84b]. **submitting** [Van89]. **SUBMMW** [Smi84a]. **subprogram** [Bru85, Bru86]. **Subprograms** [AS83, And83b, And83a, AS84, And84b, And84a, SA83, SA84, FM85, Jes84]. **Subroutine** [Sta84, Bok84, Col80a, Col84a, DD85a, GMR84b, LB82a, MCJ81, MCJ84, Mor84b, Rys84, Smi84b, Smi84c, Smi84e, Smi84f, TTT84, Tal83, Tal84c]. **Subroutines** [DM88a, DM88b, Nob80, Nob84, May81, May84, SV84]. **subset** [Rom81]. **subspace** [KPP⁺89, TV86]. **substitution** [CL84, Lew84c]. **substitutions** [MP81b, MP84b]. **Successful** [Mar89b]. **Successful** [Got83]. **sudden** [ONP89, SAC87]. **suitable** [CWS83, CWS84, De 88]. **suite** [Jes84, SBB⁺89, TM89]. **suites** [Aue84]. **sum** [AF82, AF84c, Fin82, Fin84a, Lee89]. **Summary** [Ano84-82, Ano84-83, Ano84-84, Ano84-85, Beh84, Ano88-27, Boc89, Nas87a, Wic87]. **summation** [CT84b, Di 87, HM81, HM83, HM84a, HM84b]. **summations** [Klo84c, Rob84a]. **Summer** [Ano88-27, Beh84]. **Summing** [CB88]. **sums** [Bro83, DM88a, HM81, HM83, HM84a, HM84b, Lew84c, May81, May84, RWZ87]. **Super** [Dav89]. **Super-matrix** [Dav89]. **Supercomputations** [Tou87]. **Supercomputer** [BBC⁺89, DGL89, BM85a, Pou88b]. **Supercomputers** [BMR85c, Duf85, Gup88a, IKM85, Meu89, MR86, MR87]. **supercomputing** [LGG⁺87, Tru88]. **superconducting** [ABD82, ABD84]. **superconductors** [MMR89]. **Supergravity** [GK80]. **supermatrix** [Ben82, Ben84a]. **supernode** [Fli89]. **supernova** [Mül87]. **superposition** [RW84]. **Supersymmetry** [GK80]. **Supervector** [MMM85]. **supplement** [Bas88]. **support** [Nag85]. **supporting** [JN87, MC81, MC84b]. **Surface** [MS88, BDJ⁺89, DD86, EHH88, FLM84, GS83, MS85, MS87a, MR80, MR84a, PDF84, RP89b, RP89a, SP87, PDF82]. **surfaces** [Cha82, Cha84c, DP84, HPT80, OT80, Ols83, OT84, Ols84, PDF82, PDF84, PT84, RRG88]. **survey** [Phi80]. **susceptibility** [vM84e]. **Suydam** [GR81]. **switching** [Joh88]. **Symbolic** [CT89, AB88, DVD87, DFD81, DFD84, HD89, KPPR84, SMM89, VČ88]. **symbols** [Sha84]. **Symmetric** [Hub84e, Hub84f, AS83, And83a, AS84, And84a, Cam84f, DEW84, EC84, Gad85, HC86, JT84a, MG84, MW84a, SM84b, SF84a, SM81a, SM81b, SM84d, SM84e, SL83, SL84, VČ88, Wil84a, ZC84]. **Symmetries** [EFK85, Sch82b, FK86a, Ito86, Ros85, Sch84b, Sch84c]. **Symmetrization** [RS84f]. **Symmetrized** [HRB84, HM84e]. **symmetrizing** [KPP81, KPP84b]. **Symmetry** [De 84b, HM84c, HM84d, HM84e, Atz86, BDD84, CCS89, JT83, JT84b, MSFR89, Nog83, OCC80, OCC84, PZCC89, PI84, Ská81, Ská84, Ste84b, dBM82, dBM84]. **symmetry-Adapted** [JT84b, JT83, Ská81, Ská84]. **Symposia** [Ano82a]. **Synchrotron** [Rei89, Lan84b]. **synthesis** [Col88]. **System** [ST89b, AN88, AW89, BGMM81, BO80, BHSS84, BCKO89, BAA⁺87, BC87,

BBR89b, Buc85, BJ81a, BJ81b, BJ84a, BJ84b, Car80, CDW82, CDW84, CMH87, CgYpXh85, Cis87, CDF⁺89, CSMHT88, DCC84, Del87, DSSS86, Dob85, DWVH89, EK84, Eck84, ERLD87, GAA⁺87, GHO⁺89, GSS81, Gli82, Gli84, GLST89, HAG⁺89, HHK86, HA82, HA83, HA84b, HA84a, HGK⁺81, Her82b, Hoa89, HS84, HSA82, HSA84, IKRT89, IA86, Jac85b, Jac85a, JR84, JM82, Kas82, KKLS82, KEMP81, KEMP84, KRSV82, KS86a, Lid84b, LEF⁺89, LBK88, MLS84, MLo84, MPS81, MP81b, MP84b, MM88a, Moo83, MP89, OL88, OY80, PF86, Per87, PFGP82, QTZ⁺87, QAD⁺89, Rom81, Rus86, Rys87, SEF⁺89, Ska82, Sko89, Sli89, SdAD⁺88, Str87, Suf89, TTT87, Tri84, Van81a, Ver84b, Via87, WV89, WH89, YFL87]. **system** [ZS87, Gou88]. **systematic** [Kal82]. **systematization** [Ezh84]. **Systems** [Bur85b, LB82b, Mik80, MB83, Sch86d, Abr88, ABM89b, ACC⁺86, BMR85b, BCFK85, BS83, BS84a, Blo82a, Blo82b, BKHJ83, BCC⁺85, BC88b, CL84, Cam85, Cam86, CHS87, CKA89, CLS⁺84, CH84d, DW89, DM88b, DV85, Eld84, Ghi87, GV89, G6r88, Hoe86b, JA80, JA84, KS84f, Laa86, LSW87, Man83a, Man87b, May81, May84, Moo84h, MB84, Mou87, Nie88, NKS88, Nov87, 6pi87, PDF82, PDF84, Put89, Ros84a, Ros84b, Sch85c, Sch86c, Sph87, WwYpCg88, Whi89b, YpMzCeCg85, Zal85, ZHR81]. **Systolic** [RFS89, M6n89].

T [Eas84a, Rob85, CM84a]. **T-X** [CM84a]. **T.Node** [Fli89]. **table** [Ano88-35]. **tableaux** [SM84b]. **tables** [Ber87b, SM81a, SM84d]. **tagging** [BDK86c, WPVS89]. **tail** [TW89a]. **take** [Rob84d]. **taking** [HK83, HK84b, Wil89]. **Talmi** [YpMzCeCg85, Zoh84]. **TANAGRA** [Ber87c]. **tandem** [ABD82, ABD84, CO86]. **tape** [BJ81a, BJ84a]. **tapes** [Gol84a]. **target** [CW84c, Hub84d, Keg85, MPM83, MPM84, MS84, MC81, MC84b]. **targets** [Atz86, KF84]. **tasking** [Gib85]. **Tau** [CM84a]. **Taylor** [Eas84a, CM88]. **TDA** [TW89b]. **TDPOIS** [Hou87]. **Tearing** [KT81, EPS81]. **Technical** [AGG⁺82, Zl680]. **technique** [CD86, DeG88, Got83, MV81, MV84a, RP89b, RP89a, Sta89, Tro84, ZHR81]. **Techniques** [Ano88-27, Ano89h, Lis88, Bri86, CMH87, EA89, FMS87, HB88, Kel87, KS87a, MMS86, MN80, SG81, Vie88]. **technologies** [Dew82]. **technology** [Her84a, Her88b, McI84, Wil81]. **technology/resources** [McI84]. **telecommunications** [Str87]. **TEM** [BKD83, BKD84]. **temperature** [BMS87, BCCM87, GH83, GH84a, MVV83, MVV84, MV87]. **tension** [CMS83, CMS84]. **Tensor** [RP89b, RP89a, Cha84e, Coo84b, FS84c, Klo84c, Klu84b, LB84, LR84a, LR84b, MZZ89, Rob84a, Sax84b]. **terabyte** [TVD87]. **terminal** [Ghi87]. **terms** [Lab84b, ZC84]. **terrain** [Ruf85]. **test** [DK87c, MRT89, Red88]. **Tests** [Hla86, ZHR81, Cha84a]. **tetragonal** [Ste84b]. **Tetrahedral** [SMC81, SMC84, HC88]. **text** [Day84b, Tau81, Tau84b, Van89]. **Textbook** [AHVV86]. **Thalia** [ABG⁺84]. **their** [AI86, Bar82, Bar84b, Gau81, Kr686b, Lee82, Lee84, MKS83, MKS84, PJ89, RW85, Sch82a, Tou89, Was85]. **theorem** [V688]. **theoretic** [KR88]. **Theoretical**

[Fin87, ABMT84, BMR85c, Fog82, HM84d, Kas82, Smi84a, WW84a, WW84c].
theories [AMC83, AMC84, BMR84, BLR82, BLR84, CCS89, DM87, DMM83, DMM84b, KR88, MMS86, MT86]. **Theory** [ST89b, Ano87b, Ano89x, AM81, AM84d, BB84b, Bai87, BM82a, BM82b, BM82c, BCM83a, BM84a, BMR85a, CM85, CGGK85, CMS83, CMS84, Cre80a, Cre84a, CSW84, CM83, CM84e, DMM84a, EMM81, GLST89, ITR⁺87, Ken89a, KLS⁺89, KM85, Lew84c, MLS84, MLo84, Mac89b, Mak80, MS84, MB83, MHP84, MB84, MR86, MR87, NN84, III88, ST84e, Son88, Tat80, VBD88, WP84]. **thermal** [BS84c, Cop81, Cop84a, Cop84d, Cop84c, Cop84b, CVvWF86, Sal84b]. **Thermally** [BLB88, LVPG84]. **thermodynamic** [SNH⁺88]. **thermodynamics** [Lad86]. **thermophysical** [Eck84]. **thick** [Keg85, KK84b, Tal82, Tal84a]. **thin** [Hub84e, Hub84f, OM88, RS83, RS84d, Sko84, VM89]. **Third** [Ras80b, Ras84b, Ano80g, BCKO89, CDF⁺89, Sil84b, Wil84c]. **third-level** [BCKO89]. **third-order** [Sil84b, Wil84c]. **Three** [HvRM86, MKH86, Tre88, AKS88b, Ass84, BSDM88, BWD84, BDD84, Bra84b, CgYpXh85, CMM84, CM86, CMO86, DM89b, EHL80, EHL84, FBW82, IK81, GTL⁺86, HH82, HL86, Hou87, KJ85, KR81, MLL86, MR84b, NR86b, OT80, OT84, Per89, PT82, Pis84a, Pis84b, RR84, RG86, Sch81, Sch84d, She84, TW89b, YFL87, dB82, dB84, Aue84]. **three-body** [Ass84, Bra84b, YFL87]. **Three-dimensional** [HvRM86, MKH86, Tre88, BWD84, CMM84, CM86, CMO86, DM89b, EHL80, EHL84, IK81, GTL⁺86, HL86, Hou87, KJ85, KR81, NR86b, OT80, OT84, Pis84a, Pis84b, RR84, RG86, Sch84d, She84, TW89b]. **three-fluid** [FBW82]. **three-open-shell** [BDD84]. **threshold** [Bor82, Bor84]. **tidal** [HE84b]. **tightly** [HBF⁺85]. **Time** [AEH87, Rus87, vTBF84, Bir85, FS82, IK81, FMS87, GM89, GS89, GSS81, Gli82, G6r88, HAG⁺89, Has84, Keg81, Keg84, Ken89b, LZ84, Mag81, Mag84a, MF81, MRC85, MC84a, Rob84e, Sch86b, Sch88b, Sch88c, SM85a, Sne85, WMN85, Zal88, ZL84, Irv82]. **time-dependent** [IK81, GS89, Has84, LZ84, Mag81, Mag84a, MF81, MC84a, ZL84, Irv82]. **time-filtering** [WMN85]. **time-of-flight** [Keg81, Keg84]. **Timer** [HR84b]. **timesharing** [MM88a]. **timestep** [Fin86]. **timing** [HR84b]. **tissues** [Wie86a]. **Titel** [Ram85]. **Title** [DW88]. **TL** [CAP86b]. **Tlaser** [DST84b]. **TLEED1** [RP89a]. **TLEED2** [RP89b]. **together** [Boc89]. **toil** [MMM85]. **tokamak** [BSV⁺85, EP86, Hof88, IFI84, JBWW86, KBMV86, LCH⁺81, MGK86, OS86, SVP86, OY80]. **Tokamaks** [AHS⁺86, MPIM86, KM86, OCS86, PPHS86, Sch83]. **Tokyo** [Fin87, Man86]. **tolerant** [MD81]. **tomography** [Cha82, Cha84c]. **tool** [BCVZ89, Col88, Die88, Sch89a]. **Toolpack** [IH86]. **tools** [Buc85, Gat89, IKM85, Mik86, Mou89, Tau85]. **top** [JT83, JT84a, JT84b, Sea84a]. **Topic** [BSV⁺85]. **topics** [Tru88]. **topological** [KLS⁺89, MT86]. **topology** [ACD88, EPS81]. **tops** [MW84a, MW84b, MW84c, Wil84a]. **TORINO** [DP88]. **tornadoes** [CCR88].

toroidal [BWD84, Cap86a, CHL⁺81, EPS81, GPS⁺81, HP83, HP84, KP84, MGD81, Mik84, Sch81, Sch83, TAK⁺85b]. **torus** [TS84b]. **torus-ion** [TS84b].
total [BGS81, BGS83, BGS84c, BGS84a, BGS84b, Sal82, Sal84e, SS84b, SMD84, SR84a, WB84]. **traces** [CDW82, CDW84]. **tracing** [KBMV86, MCA87, PJ89]. **Track** [AL81, BO80, BSP84, Bil89, GDH⁺89, Hau87, Sta89, TA89, VKM⁺82].
trackfinder [Beh81]. **tracking** [Ves89]. **tracks** [Per89]. **traditional** [MRT89]. **trajectories** [BT84b, HIM84, HSV84, Pia84]. **Trajectory** [vdM84a]. **Tranal** [KPPR84]. **Transfer** [KK84b, But84, FKU⁺84, HKK84, Mal84, MPM85, MP89, Nob80, Nob84, PV84, Sal82, Sal84e, Tak85a].
Transferom [Yur84, BRB89, Can81, Joh87b, Jun81, Jun84, SM89a, SM89b, Tau80, Tau84c, Zie88, CH84b, Dya86, GT83, GT84, Mar84b].
Transformation [GTR⁺81, BMV83, BMV84, BM85a, CgYpXh85, Dec89, Gro89b, SZ84, SG84c, WwYpCg88, WSV88]. **transformations** [BM85b, Dya86, O'C84b]. **transforms** [BBR89a, CRS87, CT84b, Col84b, MN88, NR86b, NRS88, Tal83, Tal84c, NR86a]. **Transient** [MRC85, MMF81].
transients [Kam86]. **transition** [BCFK85, BTS84b, BF84, CFG⁺88, GPS84, HK83, HK84b, ITR⁺87, Nai84, Nai86, OTB80, OTB84, Pia84, PS84b, RMV89, Wil84b]. **transitions** [Bil84, Bil87, DK87b, Kar80, Kar84a, Rid82, Rid84b]. **translation** [KPPR84].
translations [SMD84, Tau84d]. **translator** [Bai86]. **transmission** [Deu84c, Deu84d, ENSC86, Hin81, MR80, MR84a, Ver89]. **Transparent** [CGM89, Ugn80]. **Transport** [OS84, Tho84, Cha85, ELS88, GHU81, HBJ84, HP83, HP84, HWL89, KK84b, Lux80, NA84, Red88, RG80, RG84, SPM⁺88, SL83, SL84, TSD84, WMCH84, WH85, Wie85, Wie86a, WHW87].
Transputer [GH87, ACC⁺86, BBD⁺89, GHO⁺89, HRW85, Hey88, Hoe89].
transputers [BBC⁺89, CGM89, HD88, Hey88, Hey89, RFS89, SMR87, WV89, WH89].
transverse [MGN80, MGN84]. **trapezoidal** [CT84b]. **TRAPS** [HRW85].
traversing [RS83, RS84d]. **Trax** [Ves89]. **Trax-I** [Ves89]. **treating** [Fie81, Fie84]. **treatment** [AN88, Fie80, GPS84, KSE86, NFH⁺88, Pia84, PS84b]. **tree** [Joh85, PD89, Vis84a, Vis84b]. **trees** [Mur88]. **Trends** [Gai89, Mas81, Wil81]. **triangular** [BCCM87]. **Triatom** [Ten86]. **triatomic** [Sch88a, SMT88, Ten84b, Ten86, TM89]. **triatomics** [RRG88, Ten83, Ten84a]. **triaxial** [Fle81]. **tridiagonal** [MP81a, MP84a].
tridiagonalization [Hay89b, PT82]. **Tridyn** [MEB88]. **Tridyn-binary** [MEB88]. **Trigger** [Fra81, BCKO89, BGGW⁺89, CDF⁺89, DGK⁺81, Gje81, Jac82, Män89].
triggering [TA89]. **TRIP** [Mag84a]. **triple** [Jam86b, Nog83].
triple-excitation [Nog83]. **triply** [MW84c, WS80]. **triplely-excited** [WS80].
TRISTAN [Kan87]. **trivariate** [DU89]. **TRP** [GDH⁺89]. **TSDC** [CAP86b].
tube [SS81]. **TUBE88** [MMO89]. **tunneling** [ITR⁺87]. **turbulence** [CCR88, Pou88a]. **twin** [SDH84]. **twist** [CM88]. **TWISTER** [Ing87]. **Two**

[Ano89h, CFG⁺87, DVD87, EBS88, GTL⁺86, GRRP83, GRRP84, HA83, HA84a, Lew82, Lew84a, Luc84, May81, May84, Ods80, SM89b, TVD87, TT89, AKS88a, AMK81, AMK84, AWB82, BC88a, Bas87a, BZ84, Ben82, Ben84a, BDK86a, BDK86b, BDK86c, Bra84c, Cho84, Chr84b, CW84c, CH84a, CDN⁺87, DK87b, De 84c, DH84b, DP84, EEV89, FKU⁺84, Goe81, HC83, HC84, HIM84, JA80, JA84, Jam84, Jun81, Jun84, KS81, KS84b, KM82, KM84b, LK88, LR84a, LR84b, Mar89c, MN80, MMK81, MMK84, MMTK88, MZZ89, NR86b, SCF86, Tak85a, WBG84, YFL87, Zlo84b]. **Two** [GTL⁺86, NR86b]. **two-body** [AMK81, AMK84, Bas87a, Bra84c, EEV89, HIM84]. **two-centre** [Jun81, Jun84]. **two-centre-type** [CDN⁺87]. **two-cluster** [KM82, KM84b]. **Two-dimensional** [Lew82, Lew84a, Luc84, Ods80, CW84c, AWB82, Cho84, CH84a, DH84b, Goe81, LK88, MMK81, MMK84, MMTK88, WBG84, Zlo84b]. **Two-electron** [EBS88, Ben82, Ben84a]. **two-layered** [Chr84b]. **two-level** [MN80]. **two-nucleon** [FKU⁺84, LR84a, LR84b, Tak85a]. **two-nucleons** [MZZ89]. **two-photon** [BDK86a, BDK86b, BDK86c]. **two-volume** [Ano89h]. **TWODEPEP** [SFB87]. **type** [AT84, CDN⁺87, DF84, DH84b, HKS83, HKS84, Mat84, SS84b, SMD84, SR84a, ST84e, TT82, TT84].

UA1 [CDF⁺89, Sph87]. **ucg** [KPP84a]. **UCL** [BES⁺87, LLA⁺89]. **UFMulti** [AW89]. **UK** [Gau84a, Gau84c]. **Ultrafast** [Wan87]. **ultrasonic** [LNV84]. **unaligned** [Eks84]. **uncertainty** [AGF87]. **underdense** [MCJ81, MCJ84]. **unequally** [AAMB84, CM84b, Tor82, Tor84]. **unfolding** [RS80, RS84c]. **UNIDFT** [CRS87]. **unification** [BMG⁺85]. **Uniform** [IK85, CT82, Ito86, Rib80]. **uniformly** [Wai87]. **UNIMOL** [Ryn82, Ryn84]. **unimolecular** [Ryn82, Ryn84]. **unit** [CDF⁺89, FR84]. **unitary** [ADO84a, GS88, KS84a, KS87a, SM85c, SM85b, SM85d, SM85e, TS84a, Tho87]. **united** [Lid84b]. **universal** [BPSB88]. **University** [AGG⁺82, Duc86]. **UNIX** [CGMS89, MM88a, Wie89, WBV⁺89]. **update** [Jac85b, SB87, VSP86]. **updating** [Dec89]. **UPEAK** [Zlo84d]. **upstream** [Ter88]. **upwind** [EFES83]. **US\$39.50** [Rob85]. **US\$45** [Art85b]. **US\$69** [Art85a]. **USA** [DL89]. **Use** [BG81, CMH87, CN87, DGK⁺81, GB87, Gro89a, HBM89, Hoe89, Moh89, QTZ⁺87, SN84, And86, Ano87-29, BBD⁺89, Car88, CGM89, DG89, Duf85, Dun87, GJ84, Gau81, Gau84c, Her84a, Jam88, KBMV86, Lan87, MTN⁺82, Meu89, Nex80b, PJ89, Pou88b, RW85, Tar86, Tau84a, Van89, WV89]. **used** [Put89]. **useful** [Got83]. **User** [Sko89, Vis84b, AD84]. **User-friendly** [Vis84b]. **User-oriented** [Sko89]. **Users** [EK84, Pis84b]. **Using** [FR81, FP89, GK80, Par82, Pur82, WB82, AT84, All84b, AF82, AF84c, ABG⁺84, AN88, BKvLSE80, BKvLSE84, Bas87b, Bas87c, BBC⁺84, BBL⁺84, BES⁺87, BKD83, BKD84, BM85b, BT88, CWS83, CWS84, CSC89, CC89a, CC89b, CH88, CT89, CGG87, CD86, CGMS89, DFOP89, FK86a, Fin82, Fin84a, Gaj85, Gel85, Gro89b, HD88, HRS81, HRS84, HvRM86, Hof84b, Jes85, Kal82, Kar80, Kar84a, Kel87, KMS88, KSG82, KN84c, LLA⁺89, LZ84, LTK88, LBK88, Luc84, MT81, MS84, Mic87, MC81, MC84b, Nas84, NJ82,

NW84, NJ84, Nie88, Nog83, NKS88, O'C84b, PP85, Pis84a, Pre84a, RFS89, Rao81, Rap85, Ros85, Rus86, Sal82, Sal84e, SMR87, ST84e, Tat80, Ten84b, TBB87, Ves89, V'C88, VSH83, WMH82, ZL84]. **utility** [BS86a, CR84d, HRL84]. **UV** [BPSB88]. **UV-VIS** [BPSB88].

V [Eas89, WS80]. **V103** [HW84b]. **V2** [Ost85]. **V2/64** [Ost85]. **V4** [TTT84]. **vacancies** [WD84, WDM84]. **vacuum** [Dom86, TBG80]. **valence** [BZ84]. **value** [CR84d, EHH88, MP82]. **values** [ADV81, ADV84, DK87a, Hub84a, RFSG84a, RFSG84b]. **vanishing** [Arn84a]. **VANVLK** [III88]. **Variable** [ASM84, ASM80, ADV81, ADV84, DW88, HEL84, HE84b, RC85]. **variables** [De 84c, HD89, Hel80, Mor84e, NP84, O'C84c]. **Variance** [Lux80]. **variate** [Sal87]. **variation** [Rob84e]. **Variational** [BWD84, Lao84, AT84, CH88, DHD84, ITR⁺87, Pon81, Rud84, SC89, TT89]. **variationally** [STN89, Tal89, Ten83, Ten84a]. **various** [Dya86]. **Vavilov** [Sch84a]. **VAX** [CHS87, Ghi87, Gro87, Hoe89]. **VAX-FPS** [Gro87]. **VAX/VMS** [CHS87]. **Vector** [DW84, Eas87a, FR81, Har89, KP81a, MTN⁺82, Nus84, And86, BA86, CNRS82, CN84, Cli82, DD85a, Gue89, HH82, HD86, Hoe86b, HVS87, Hou87, KK88, Klu84b, KS84h, Lee82, Lee84, MMM85, MBW89, MHP84, MMR89, NFH⁺88, Nev82, Per82, Sch89c, SSM85, Sch85c, SW80b, SW84, Tem82, Tol85, Tru88, UI85, VSH83, VH87, vdV89, Bra86]. **vector-coupling** [SW80b, SW84]. **vector-multiplication** [Cli82]. **vector-processing** [DD85a]. **vector-processor** [Hou87]. **Vector33** [Har89]. **Vectorised** [GM89, Fin82, Fin84a]. **vectorizable** [BH82, BH84b]. **Vectorization** [CMO86, Gup88b, Hau87, Miu87, TKS⁺85, VSH83, Cha85, Mar89b]. **Vectorized** [GDK89, HSV84, ACR88, BM82a, BMR84, BSDM88, CMR86, CMPR88, Car89, CGGK85, CGB⁺89, KLS⁺89, MKRJ89, NR86b, NRS88, VH87, Voh88, Wan87, YMWW89]. **Vectorizing** [BM82b, BM82c, BM84a, EBS88]. **vectors** [CLS88, HM84c]. **Vectra** [Jud87]. **Verkerk** [BD81]. **Verlag** [Ano89h, Eas84a, Eas89, Fin87, Man86, Sch86a, Sta87b]. **Versatile** [BPA84, KE84a, Sar84c]. **Version** [DWVH89, KKP82, KKP84, AI88, BS87, BBL⁺84, Bru86, Chi84a, Chi84b, CGB⁺89, Cre81, Cre84b, DTE84, DCC84, Fin82, Fin84a, Fli89, FBS88, FBS89, FS84c, Fun84a, Fun84b, Gia84, Gra84c, Hib84e, Jud87, KE84b, LS84, MS87a, Moo84f, NAS87b, OTB80, OTB84, PCL89, Puf83, Puf84, Ras80b, Ras84b, Sax84b, Sax84a, Sax84c, SH82, SH84, Sjö86, SB87, Tho87, VDM84b, War84, WW84a]. **versions** [MLL86]. **versus** [Mye89, Ott89, Sch84d]. **vertex** [MS87b]. **Very** [SRS85, BMR85b, CH87, CGG87, Di 87, RSS85]. **VF** [Suc87]. **VI** [Car84a, MBW89]. **via** [BCCM87, Rit84b, Ste87, Taj86, WD84]. **VIASKL** [AGF87]. **vibrating** [Sch88a]. **vibrating/rotating** [Sch88a]. **vibration** [Bou87, CLS88, Ogi83, Ogi84, RRG88, SMT88]. **vibration-rotation** [RRG88, SMT88]. **vibration-rotational** [Bou87, Ogi83, Ogi84].

Vibrational [Mag84b, Bil84, Bil87, BOT86, CH87, CH88, CRH⁺89, DK87b, EHH88, FH88b, FE88, Joh88, LNB⁺88, ST81, ST84a, SK82, SK84, Ten83, Ten84b, Ten84a, Ten86, TM89, TSD84, TTL88, WB88, YP86].
vibrational-rotational [DK87b, EHH88]. **vibrationally** [JT84a, Nov87].
vibrations [BWBL88, HC88, WW84c]. **video** [JHRR87]. **Vienna** [Kil80].
view [Gri89, SG83, SG84b]. **Vieweg** [And86]. **views** [OT80, Ols83, OT84, Ols84]. **Viking** [KGAL88]. **Ville** [Zie88]. **virtual** [DO84, GWTM83, TW83, TW84, WV80, WV84, ZNO88]. **VIS** [BPSB88].
viscosities [Mor84a]. **viscous** [Ede84]. **vision** [BMBW85, HGJ⁺89]. **visual** [AMB84]. **visually** [ABMT84]. **VLAM** [SNC80, SNC84]. **Vlasov** [ERB88, IGB⁺89, NBI⁺85]. **Vleck** [III88]. **VLSI** [Jes85]. **VM** [CHS87, McC87]. **VM/CMS** [CHS87, McC87]. **VMOMS** [LWHH82, LWHH84]. **VMS** [CHS87]. **Vogelaere** [CM84d]. **volume** [And86, Ano80b, Ano80c, Ano80i, Ano80j, Ano80t, Ano80u, Ano81a, Ano81b, Ano81c, Ano81d, Ano81h, Ano81i, Ano81j, Ano81k, Ano81l, Ano81u, Ano81v, Ano81w, Ano81x, Ano82d, Ano82e, Ano82f, Ano82m, Ano82n, Ano82o, Ano82-28, Ano82-29, Ano83b, Ano83c, Ano83d, Ano83e, Ano83f, Ano83g, Ano83p, Ano83q, Ano83r, Ano84d, Ano84e, Ano84f, Ano84j, Ano84k, Ano84l, Ano84-79, Ano84-80, Ano84-81, Ano85b, Ano85c, Ano85d, Ano85e, Ano85h, Ano85i, Ano85j, Ano85k, Ano85z, Ano85-27, Ano85-28, Ano86a, Ano86b, Ano86c, Ano86d, Ano86j, Ano86k, Ano86l, Ano86m, Ano86-31, Ano86-32, Ano86-33, Ano86-34, Ano87e, Ano87f, Ano87g, Ano87h, Ano87i, Ano87l, Ano87m, Ano87n, Ano87o, Ano87p, Ano87x, Ano87y, Ano87z, Ano87-27, Ano87-28, Ano88c, Ano88d]. **volume** [Ano88e, Ano88f, Ano88m, Ano88n, Ano88o, Ano88p, Ano88-31, Ano88-32, Ano88-33, Ano88-34, Ano89c, Ano89d, Ano89e, Ano89f, Ano89g, Ano89h, Ano89l, Ano89m, Ano89n, Ano89y, Ano89-29, Ano89-30, Ano89-31, Ano89-32, KK84a, Tru88]. **volumes** [Ano81y, Ano82-30, Ano84i, Ano89h, Wie86b]. **vortices** [MMR89]. **vorticity** [Bra87a]. **VP** [MMM85]. **VP-100** [MMM85]. **VP-100/200** [MMM85]. **VP200** [MHP84]. **VPM** [CSBB82, CSBB84]. **Vries** [SBFI87]. **vs** [Pag87].
W [And86, Eas82, Eas89, Fin87]. **W.** [Tru88]. **wall** [GHU81, NF83, NF84]. **Waller** [Rei87]. **walls** [Hub84e, Hub84f]. **want** [Lev89]. **water** [ASS82, CSC89, CM81b, CH84d, CM84f]. **WATERLOPP** [Ost85]. **Wave** [RFSG84b, And84c, AHVV86, BKvLSE80, BKvLSE84, BFG84, BC83a, BC83b, BC84a, BC84b, CD86, CB88, CHMM84, Cug84, CDN⁺87, DL86, FBW82, Has84, Hib84c, HFG88, JBWW86, Jam84, KKP82, KPH84, KKP84, KGAL88, KK83b, MV88, Nes88, PPHS86, Sal84c, Sar87, SAC87, Sea84b, Smi84c, Smi84a, Ste84c, SAC⁺86, TCR84, WV80, WV84, ZNO88].
wave-functions [Sal84c]. **wave-particle** [KGAL88, SAC⁺86].
wavefunction [ABH⁺84, Bar84d, Kla84]. **wavefunctions** [DeV84, GRRP83, GRRP84, KKLP84, Kno84]. **waves** [CCR88, GS83, IFI84, KM86, MGK86, MKS83, MKS84, Ter88]. **weak** [LO86]. **weakly** [WW80]. **Weather** [Dic82, Gib85]. **Weber** [WW84b].

Weight [ADO83, ADO84a, ADO84b, KR88]. **Weighted** [Les89, RVD⁺81]. **weights** [SH82, Tak88a, Tak88b, SH84]. **Weizmann** [GA84]. **well** [DHD84]. **Wendroff** [EFES81]. **Weyl** [BK84a]. **whether** [Woo85]. **which** [BGMM81, De 84c, Hei84, MMO89, Rob84d]. **whole** [Moo83]. **wide** [Flu89, WML⁺82]. **widths** [Ata85, TTL88]. **Wigner** [AD84, TN84, Zie88]. **Wiley** [And86, Eas80, Jes87]. **Wilson** [BCM83a, CGGK85, CMS83, CMS84, DeG88]. **Winkelmann** [Eas89]. **wire** [Lee82, Lee84]. **wires** [VM89]. **within** [Bet84, Car80, HMS84, QTZ⁺87, Rob84e, ST82a, ST84c]. **without** [Buc83, Buc84, DG89, DH84a, MMM85]. **WIZJET** [Odo84d]. **Wood** [Cug84]. **Woods** [CDN⁺87, DHD84, HH84, Hir84]. **word** [KC81b, KC84a]. **work** [KM84a]. **Worker** [BEM84]. **workstation** [BBC⁺87]. **workstations** [DFOP89, vD87a]. **world** [Ano89a, Rea84]. **writer** [Bar84a]. **written** [WC85]. **Wronskian** [Ito88]. **WZ** [Hel82].

X [Jes87, KKP82, Rob85, CM84a, Deu84a, Deu84b, Deu84c, Deu84d, DPH82, DPH84, FHMR84, FFH84, FK84, Fer84, FR84, KPH84, KKP84, Klo84a, KM85, MZM⁺82, MZM⁺84, MGMZ84, NR86a, PDNE88, Rei85, Rei86, RM89, RS85, VSP86, WML⁺82, vM84i]. **X-MP** [KM85, NR86a, RS85]. **X-ray** [Deu84a, Deu84b, Deu84c, Deu84d, DPH82, DPH84, FHMR84, FFH84, FK84, Fer84, FR84, MZM⁺82, MZM⁺84, MGMZ84, Rei85, Rei86, RM89, VSP86, WML⁺82, vM84i]. **X-rays** [PDNE88]. **xanes** [DPH84, DPH82]. **XFIT** [MGMZ84]. **xii** [Duc86, Eas82, Nad86a]. **xiv** [Art85b]. **XRF** [Fer89]. **xxi** [Art85a]. **xxiii** [Taj86].

Yamanouchi [MG84]. **years** [CFG⁺87]. **yield** [ASM80, ASM84]. **York** [Art85b, Eas84a, Fin87, Man86, Taj86]. **Yukawa** [PIM80, PIM84b]. **Yukawa-plus-exponential** [PIM80, PIM84b].

Z [Lew84d]. **Z-expansion** [Lew84d]. **Zabolitzky** [Eas89]. **ZEBRA** [Sch89a]. **Zeeman** [DG84]. **Zener** [Bie83, Bie84]. **zero** [Bas87a, De 84c]. **zero-spin** [Bas87a]. **ZEROD** [LJN85]. **zeros** [BCM83b, BCM84b, Cam84d]. **Zeta** [BD84a, BD80a]. **ZEUS** [BCKO89, HBM89, KPST89, LEF⁺89, WV89, Dob89]. **zincblende** [KN84c, KN84b, NJ82, NJ84].

References

Allard:1984:HFN

- [AAH84] J. F. Allard, A. Abzouzi, and B. Houssais. Hartree-Fock nuclear calculations with Gaussian potentials. *Computer Physics Communications*, 35(1-3):C-118, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823760>.

Anderson:1984:CSI

- [AAMB84] J. Anderson, R. W. B. Ardill, K. J. M. Moriarty, and R. C. Beckwith. A cubic spline interpolation of unequally spaced data points. *Computer Physics Communications*, 35(1-3):C-531-C-532, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827113>.

Amsler:1983:SAD

- [AB83] C. Amsler and J. C. Bizot. Simulation of angular distributions and correlations in the decay of particles with spin. *Computer Physics Communications*, 30(1):21-30, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901182>.

Ahlich:1986:NRM

- [AB86] Reinhart Ahlich and Stefan Brode. A new rigid motion algorithm for MD simulations. *Computer Physics Communications*, 42(1):59-64, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902316>.

Autin:1988:ASC

- [AB88] B. Autin and J. Bengtsson. Application of symbolic computation to the search of complicated primitives; the example of the “betatron” integrals. *Computer Physics Communications*, 48(2):181-195, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900392>.

Antony:1982:DPB

- [ABD82] M. S. Antony, J. M. Britz, and J. Denimal. Delphine: Program to bunch a DC beam through a tandem accelerator for injection into a cyclotron with superconducting magnet. *Computer Physics Communications*, 25(3):311-324, March 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900261>.

Antony:1984:DPB

- [ABD84] M. S. Antony, J. M. Britz, and J. Denimal. Delphine: Program to bunch a dc beam through a tandem accelerator for injection into a cyclotron with superconducting magnet. *Computer Physics Communications*, 35(1-3):C-793, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829173>.

Appert:1981:NPA

- [ABG⁺81a] K. Appert, B. Balet, R. Gruber, F. Troyon, and J. Vaclavik. Numerical problems associated with the presence of continuous spectra. *Computer Physics Communications*, 24(3-4):329-335, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901557>.

Azzolini:1981:MIF

- [ABG81b] M. C. Azzolini, R. Biancastelli, and A. Giordana. Multiprocessing implementation on the FASTBUS. *Computer Physics Communications*, 22(2-3):211-213, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900515>.

Appert:1984:TOD

- [ABG⁺84] K. Appert, D. Berger, R. Gruber, F. Troyon, and K. V. Roberts. Thalia — a one-dimensional magnetohydrodynamic stability program using the method of finite elements. *Computer Physics Communications*, 35(1-3):C-323-C-324, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825473>.

Allard:1984:NHF

- [ABH⁺84] J. Allard, N. Boumahrat, B. Houssais, M. Hadj Hassan, and M. Lambert. A nuclear Hartree-Fock intrinsic wavefunction projection program. *Computer Physics Communications*, 35(1-3):C-156, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824078>.

Adye:1989:OCD

- [ABLB⁺89] T. Adye, T. Berners-Lee, S. Brobeck, A. Camacho, D. Davids, F. Harris, and P. Lorenz. Online communications in the Delphi experiment. *Computer Physics Communications*, 57(1–3):466–471, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902646>.

Aiello:1989:HIG

- [ABM89a] G. R. Aiello, M. Budinich, and E. Milotti. Hardware implementation of a GFSR pseudo-random number generator. *Computer Physics Communications*, 56(2):135–139, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900143>.

Aiello:1989:PPS

- [ABM89b] G. R. Aiello, M. Budinich, and E. Milotti. A parallel processor for the simulation of Ising spin systems. *Computer Physics Communications*, 56(2):141–146, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900155>.

Anderson:1984:PPVb

- [ABMT84] J. Anderson, R. C. Beckwith, K. J. M. Moriarty, and J. H. Tabor. A plotting package for visually comparing theoretical and experimental results. *Computer Physics Communications*, 35(1–3):C–517, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826983>.

Abril:1988:AMG

- [Abr88] Isabel Abril. Alacant: Modeling of glow discharge sputtering systems. *Computer Physics Communications*, 51(3):413–422, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901543>.

Askew:1986:SSM

- [ACC⁺86] C. R. Askew, D. B. Carpenter, J. T. Chalker, A. J. G. Hey, D. A. Nicole, and D. J. Pritchard. Simulation of sta-

tistical mechanical systems on transputer arrays. *Computer Physics Communications*, 42(1):21–26, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902250>.

Addressio:1988:GTG

- [ACD88] Frank L. Addressio, Michael Cline, and John K. Dukowicz. A general topology, Godunov method. *Computer Physics Communications*, 48(1):65–73, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900240>.

Andersen:1988:SVC

- [ACR88] David R. Andersen, Robert Cuykendall, and Jeffrey J. Regan. SLAM — vectorized calculation of refraction and reflection for a Gaussian beam at a nonlinear interface in the presence of a diffusive kerr-like nonlinearity. *Computer Physics Communications*, 48(2):255–264, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900458>.

Adelantado:1985:ECP

- [ACSB85] M. Adelantado, D. Comte, P. Siron, and Ph. Berger. Expression of concurrency and parallelism in an MIMD environment. *Computer Physics Communications*, 37(1–3):63–67, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901365>.

Akiyama:1984:UGF

- [AD84] Yoshimi Akiyama and J. P. Draayer. A user's guide to Fortran programs for Wigner and Racah coefficients of SU(3). *Computer Physics Communications*, 35(1–3):C–194, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482439X>.

Amar:1983:WMC

- [ADO83] V. Amar, U. Dozzio, and C. Oleari. Weight multiplicity for Cartan classes. *Computer Physics Communications*, 29(2):201–

209, April 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900747>.

Amar:1984:WMU

- [ADO84a] V. Amar, U. Dozzio, and C. Oleari. Weight multiplicity for unitary groups. *Computer Physics Communications*, 35(1-3):C-478, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826740>.

Amary:1984:WMC

- [ADO84b] V. Amary, U. Dozzio, and C. Oleari. Weight multiplicity for Cartan classes. *Computer Physics Communications*, 35(1-3):C-875, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829793>.

Anagnostatos:1981:IVP

- [ADV81] G. S. Anagnostatos, K. Demakos, and A. Vassiliou. Initial values of parameters for variable moment of inertia models. *Computer Physics Communications*, 24(2):197-203, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900941>.

Anagnostatos:1984:IVP

- [ADV84] G. S. Anagnostatos, K. Demakos, and A. Vassiliou. Initial values of parameters for variable moment of inertia models. *Computer Physics Communications*, 35(1-3):C-760, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828908>.

Amini:1987:TIP

- [AEH87] M. Amini, J. W. Eastwood, and R. W. Hockney. Time integration in particle models. *Computer Physics Communications*, 44(1-2):83-93, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900191> ■

Anastasiou:1982:PDS

- [AF82] N. Anastasiou and D. Fincham. Programs for the dynamic simulation of liquids and solids II. MDIONS: Rigid ions using the Ewald sum. *Computer Physics Communications*, 25(2):159–176, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900327>.

Abecasis:1984:ELCb

- [AF84a] S. M. Abecasis and F. R. Femenia. Energy level calculations with AROVMI model. *Computer Physics Communications*, 35(1–3):C–159, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824108>.

Abecasis:1984:ELCc

- [AF84b] S. M. Abecasis and F. R. Femenia. Energy-level calculations with the extended AROVMI model. *Computer Physics Communications*, 35(1–3):C–230, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824698>.

Anastasiou:1984:PDS

- [AF84c] N. Anastasiou and D. Fincham. Programs for the dynamic simulation of liquids and solids II. Moions: Rigid ions using the Ewald sum. *Computer Physics Communications*, 35(1–3):C–778, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829057>.

Abecasis:1984:ELCa

- [AFH84] S. M. Abecasis, F. R. Femenia, and E. S. Hernandez. Energy level calculations in Davydov model. *Computer Physics Communications*, 35(1–3):C–61–C–62, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823279>.

Arcos:1987:VCP

- [AGF87] JoséM. Los Arcos, Agustín Grau, and Antonio Fernandez. VIASKL: a computer program to evaluate the liq-

uid scintillation counting efficiency and its associated uncertainty for K-L-atomic shell electron-capture nuclides. *Computer Physics Communications*, 44(1–2):209–220, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900282>.

Arlt:1982:CCN

- [AGG⁺82] R. Arlt, F. Gleisberg, W. Grimm, R. Krause, H. Märten, W. Meiling, G. Ortlepp, G. Pausch, J. Pöthig, K. Seidel, R. Teichner, W. Wagner, and F. Weidhase. Computer control in nuclear physics measurements at the technical university of dresden. *Computer Physics Communications*, 26(1–2):195–199, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901680>.

Agakishiev:1988:JSI

- [AGH⁺88] H. N. Agakishiev, V. G. Grishin, K. Hänssgen, T. Kanarek, and R. M. Mechtiev. JADJAD: Simulation of inelastic nucleus-nucleus interactions below 5 GeV. *Computer Physics Communications*, 48(3):391–405, March 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902032>.

Ambrosiano:1988:FMM

- [AGR88] John Ambrosiano, Leslie Greengard, and Vladimir Rokhlin. The fast multipole method for gridless particle simulation. *Computer Physics Communications*, 48(1):117–125, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890029X>.

Anderson:1986:PCM

- [AHKM86] David V. Anderson, Eric J. Horowitz, Alice E. Koniges, and Michael G. McCoy. Parallel computing and multitasking. *Computer Physics Communications*, 43(1):69–87, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900548>.

Appert:1986:CRH

- [AHS⁺86] K. Appert, T. Hellsten, O. Sauter, S. Succi, J. Vaclavik, and L. Villard. Computing of RF heating and current drive in tokamaks. *Computer Physics Communications*, 43(1):125–141, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900573>.

Appert:1986:TFE

- [AHVV86] K. Appert, T. Hellsten, J. Vaclavik, and L. Villard. Text-book finite element methods applied to linear wave propagation problems involving conversion and absorption. *Computer Physics Communications*, 40(1):73–93, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901499>.

Armenise:1986:MCN

- [AI86] N. Armenise and G. Iaselli. A method to classify neutrino events according to their completeness. *Computer Physics Communications*, 39(3):333–341, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900949>.

Aldea:1988:FAE

- [AI88] N. Aldea and E. Indrea. Fourier analysis of EXAFS data — a self-contained FORTRAN program-package — a second version. *Computer Physics Communications*, 51(3):451–462, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901580>.

Assimakopoulos:1984:AIP

- [AK84] P. A. Assimakopoulos and S. Kossionides. Anna: An interactive program for analysis of one-dimensional pulse-height spectra. *Computer Physics Communications*, 35(1–3):C–359, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825783>.

Anderson:1988:CPCa

- [AKS88a] D. V. Anderson, A. E. Koniges, and D. E. Shumaker. CPDES2: a preconditioned conjugate gradient solver for linear asymmetric matrix equations arising from coupled partial differential equations in two dimensions. *Computer Physics Communications*, 51(3):391–403, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890152X>.

Anderson:1988:CPCb

- [AKS88b] D. V. Anderson, A. E. Koniges, and D. E. Shumaker. CPDES3: a preconditioned conjugate gradient solver for linear asymmetric matrix equations arising from coupled partial differential equations in three dimensions. *Computer Physics Communications*, 51(3):405–412, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901531>.

Almehed:1981:TFC

- [AL81] S. Almehed and B. Lorstad. Track fitting in cylindrical coordinates. *Computer Physics Communications*, 22(2–3):209–210, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900503>.

Allison:1984:PCF

- [All84a] A. C. Allison. A program to calculate Franck–Condon factors. *Computer Physics Communications*, 35(1–3):C–4, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822754>.

Allison:1984:CAE

- [All84b] Arthur C. Allison. The calculation of absorption and elastic cross sections using the optical potential. *Computer Physics Communications*, 35(1–3):C–135, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823899>.

Allison:1984:FPCa

- [All84c] D. C. S. Allison. Fractional parentage coefficients for equivalent p shell and equivalent d shell electrons. *Computer Physics Communications*, 35(1-3):C-2-C-3, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822742>.

Ardill:1981:MCS

- [AM81] R. W. B. Ardill and K. J. M. Moriarty. Monte Carlo simulation of SU(2) lattice gauge theory. *Computer Physics Communications*, 24(2):127-134, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900862>.

Allison:1984:FPCb

- [AM84a] D. C. S. Allison and J. E. McNulty. Fractional parentage coefficients for equivalent f shell electrons. *Computer Physics Communications*, 35(1-3):C-278, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825096>.

Ardill:1984:ABF

- [AM84b] R. W. B. Ardill and K. J. M. Moriarty. Accurate Bessel functions $J_n(z)$, $Y_n(z)$, $H_n^{(1)}(z)$ and $H_n^{(2)}(z)$ of integer order and complex argument. *Computer Physics Communications*, 35(1-3):C-559, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827344>.

Ardill:1984:BFC

- [AM84c] R. W. B. Ardill and K. J. M. Moriarty. The Bessel functions J_0 and J_1 of complex argument. *Computer Physics Communications*, 35(1-3):C-409, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826193>.

Ardill:1984:MCSa

- [AM84d] R. W. B. Ardill and K. J. M. Moriarty. Monte Carlo simulation of SU(2) lattice gauge theory. *Computer Physics Communications*, 35(1-3):C-751, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828829>.

Ardill:1984:SBF

- [AM84e] R. W. B. Ardill and K. J. M. Moriarty. Spherical Bessel functions j_n and y_n of integer order and real argument. *Computer Physics Communications*, 35(1-3):C-466, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826661>.

Anderson:1984:PPVa

- [AMB84] J. Anderson, K. J. M. Moriarty, and R. C. Beckwith. A plotting package for visual comparison of points and curves. *Computer Physics Communications*, 35(1-3):C-293, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825230>.

Ardill:1983:MCS

- [AMC83] R. W. B. Ardill, K. J. M. Moriarty, and Michael Creutz. Monte-Carlo simulation of pure U(N) and SU(N) lattice gauge theories with fundamental and adjoint couplings. *Computer Physics Communications*, 29(1):97-108, March 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900309>.

Ardill:1984:MCSb

- [AMC84] R. W. B. Ardill, K. J. M. Moriarty, and Michael Creutz. Monte-Carlo simulation of pure U(N) and SU(N) lattice gauge theories with fundamental and adjoint couplings. *Computer Physics Communications*, 35(1-3):C-867-C-868, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829732>.

Ardill:1981:PF

- [AMK81] R. W. B. Ardill, K. J. M. Moriarty, and P. Koehler. A program for fitting and plotting amplitudes, polarization and differential cross section data for two-body reactions. *Computer Physics Communications*, 22(4):419–432, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901399>.

Ardill:1984:PF

- [AMK84] R. W. B. Ardill, K. J. M. Moriarty, and P. Koehler. A program for fitting and plotting amplitudes, polarization and differential cross section data for two-body reactions. *Computer Physics Communications*, 35(1–3):C-693–C-694, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482843X>.

Allison:1987:CCH

- [AN87] D. C. S. Allison and M. T. Noga. Computing the convex hull of a set of points. *Computer Physics Communications*, 43(3):381–386, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900555>.

Arzumanyan:1988:MST

- [AN88] S. G. Arzumanyan and H. V. Navasardyan. Microcomputer system of treatment of chamber stereophotographs using CCD pickups. *Computer Physics Communications*, 50(1–2):213–215, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901269>.

Anderson:1983:ISSc

- [And83a] D. V. Anderson. ICCG3: Subprograms for the solution of a linear symmetric matrix equation arising from A 7, 15, 19 or 27 point 3d discretization. *Computer Physics Communications*, 30(1):51–57, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901224>.

Anderson:1983:ISSb

- [And83b] D. V. Anderson. ILUCG3: Subprograms for the solution of a linear asymmetric matrix equation arising from A 7, 15, 19 or 27 point 3d discretization. *Computer Physics Communications*, 30(1):43–49, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901212>.

Anderson:1984:ISSc

- [And84a] D. V. Anderson. ICCG3: Subprograms for the solution of a linear symmetric matrix equation arising from a 7, 15, 19 or 27 point 3D discretization. *Computer Physics Communications*, 35(1–3):C–897–C–898, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829987>.

Anderson:1984:ISSb

- [And84b] D. V. Anderson. ILUCG3: Subprograms for the solution of a linear asymmetric matrix equation arising from a 7, 15, 19 or 27 point 3D discretization. *Computer Physics Communications*, 35(1–3):C–895–C–896, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829975>.

Andre:1984:PGP

- [And84c] Jean-Marie Andre. Polymol: a general program for the calculation of ground-state wave functions. *Computer Physics Communications*, 35(1–3):C–45, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823115>.

Anderson:1986:BRB

- [And86] D. Anderson. Book review: *Notes on numerical fluid mechanics, volume 12 The efficient use of vector computers with emphasis on computational fluid dynamics*: Eds. W. Schonauer and W. Gentsch, Vieweg, Braunschweig (available from J. Wiley, London), March 1986. £27.20. *Computer Physics Communications*, 42(2):301–302, October 1986.

CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900445>.

Anderssen:1988:PCA

- [And88] P. S. Anderssen. Personal computers in accelerator control. *Computer Physics Communications*, 50(1-2):89-99, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890118X>.

Anonymous:1980:A

- [Ano80a] Anonymous. Announcement. *Computer Physics Communications*, 19(1):159, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900727>

Anonymous:1980:AIVa

- [Ano80b] Anonymous. Author index to volume 19. *Computer Physics Communications*, 19(3):399-401, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900934>.

Anonymous:1980:AIVb

- [Ano80c] Anonymous. Author index to volume 20. *Computer Physics Communications*, 20(3):465-467, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900272>.

Anonymous:1980:Ca

- [Ano80d] Anonymous. Committees. *Computer Physics Communications*, 20(1):x, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900971>

Anonymous:1980:CPCa

- [Ano80e] Anonymous. Computer Physics Communications — list of editors. *Computer Physics Communications*, 19(1):v-vi, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900570>.

Anonymous:1980:CPCc

- [Ano80f] Anonymous. Computer Physics Communications — list of editors. *Computer Physics Communications*, 21(1):v–vi, December 1, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900739>.

Anonymous:1980:CPCb

- [Ano80g] Anonymous. Computer Physics Communications instructions to authors (third revision). *Computer Physics Communications*, 19(1):1–10, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900594>.

Anonymous:1980:Cb

- [Ano80h] Anonymous. Contents. *Computer Physics Communications*, 20(1):xi–xii, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900983>.

Anonymous:1980:CVa

- [Ano80i] Anonymous. Contents to volume 19. *Computer Physics Communications*, 19(3):397, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900922>.

Anonymous:1980:CVb

- [Ano80j] Anonymous. Contents to volume 20. *Computer Physics Communications*, 20(3):463–464, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900260>.

Anonymous:1980:EBa

- [Ano80k] Anonymous. Editorial Board. *Computer Physics Communications*, 19(1):??, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900569>.

Anonymous:1980:EBb

- [Ano80l] Anonymous. Editorial Board. *Computer Physics Communications*, 20(1):v–vi, September 1980. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900958>■

Anonymous:1980:ENa

- [Ano80m] Anonymous. Erratum notice. *Computer Physics Communications*, 19(2):271, April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900545>■

Anonymous:1980:ENb

- [Ano80n] Anonymous. Erratum notice. *Computer Physics Communications*, 19(2):272, April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900557>■

Anonymous:1980:ENc

- [Ano80o] Anonymous. Erratum notice. *Computer Physics Communications*, 19(3):395–396, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900910>■

Anonymous:1980:ENd

- [Ano80p] Anonymous. Erratum notice. *Computer Physics Communications*, 20(3):459–460, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900235>■

Anonymous:1980:ENe

- [Ano80q] Anonymous. Erratum notice. *Computer Physics Communications*, 20(3):461, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900247>■

Anonymous:1980:ENf

- [Ano80r] Anonymous. Erratum notice. *Computer Physics Communications*, 20(3):462, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900259>■

Anonymous:1980:PA

- [Ano80s] Anonymous. Preliminary announcement. *Computer Physics Communications*, 20(2):323, October 1980. CODEN CPHCBZ.

ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900119>

Anonymous:1980:PIVa

- [Ano80t] Anonymous. Program index to volume 19. *Computer Physics Communications*, 19(3):402–404, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900946>.

Anonymous:1980:PIVb

- [Ano80u] Anonymous. Program index to volume 20. *Computer Physics Communications*, 20(3):469–470, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900284>.

Anonymous:1981:AIVa

- [Ano81a] Anonymous. Author index to volume 21. *Computer Physics Communications*, 21(3):441–443, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900229>.

Anonymous:1981:AIVb

- [Ano81b] Anonymous. Author index to volume 22. *Computer Physics Communications*, 22(4):477–480, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901454>.

Anonymous:1981:AIVc

- [Ano81c] Anonymous. Author index to volume 23. *Computer Physics Communications*, 23(4):437–440, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901843>.

Anonymous:1981:AIVd

- [Ano81d] Anonymous. Author index to volume 24. *Computer Physics Communications*, 24(3–4):481–484, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901727>.

Anonymous:1981:Ca

- [Ano81e] Anonymous. Committees. *Computer Physics Communications*, 22(2-3):vi, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900382>■

Anonymous:1981:CAD

- [Ano81f] Anonymous. Computing in accelerator design and operation. *Computer Physics Communications*, 24(2):234, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900990>.

Anonymous:1981:Cb

- [Ano81g] Anonymous. Contents. *Computer Physics Communications*, 24(3-4):vii-viii, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190148X>■

Anonymous:1981:CVa

- [Ano81h] Anonymous. Contents to volume 21. *Computer Physics Communications*, 21(3):439-440, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900217>■

Anonymous:1981:CVb

- [Ano81i] Anonymous. Contents to volume 22. *Computer Physics Communications*, 22(4):473-475, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901442>■

Anonymous:1981:CVc

- [Ano81j] Anonymous. Contents to volume 23. *Computer Physics Communications*, 23(4):435-436, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901831>■

Anonymous:1981:CVd

- [Ano81k] Anonymous. Contents to volume 24. *Computer Physics Communications*, 24(3-4):477-479, December 1981. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901715>.

Anonymous:1981:EBa

- [Ano81l] Anonymous. Editorial Board. *Computer Physics Communications*, 22(1):v–vi, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900746>■

Anonymous:1981:EBb

- [Ano81m] Anonymous. Editorial board. *Computer Physics Communications*, 23(1):v–vi, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901223>■

Anonymous:1981:EBc

- [Ano81n] Anonymous. Editorial board. *Computer Physics Communications*, 24(1):v–vi, September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901004>.

Anonymous:1981:ENa

- [Ano81o] Anonymous. Erratum notice. *Computer Physics Communications*, 21(3):437, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900205>■

Anonymous:1981:ENb

- [Ano81p] Anonymous. Erratum notice. *Computer Physics Communications*, 22(1):103–104, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900837>.

Anonymous:1981:ENc

- [Ano81q] Anonymous. Erratum notice. *Computer Physics Communications*, 23(1):109–113, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901338>■

Anonymous:1981:ENd

- [Ano81r] Anonymous. Erratum notice. *Computer Physics Communications*, 23(2):221, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900357>.

Anonymous:1981:ENe

- [Ano81s] Anonymous. Erratum notice. *Computer Physics Communications*, 23(2):222, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900369>.

Anonymous:1981:MCM

- [Ano81t] Anonymous. Methods in computational molecular physics. *Computer Physics Communications*, 24(2):233, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900989>.

Anonymous:1981:PIVa

- [Ano81u] Anonymous. Program index to volume 21. *Computer Physics Communications*, 21(3):444–446, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900230>.

Anonymous:1981:PIVc

- [Ano81v] Anonymous. Program index to volume 22. *Computer Physics Communications*, 22(4):481–482, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901466>.

Anonymous:1981:PIVd

- [Ano81w] Anonymous. Program index to volume 23. *Computer Physics Communications*, 23(4):441–444, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901855>.

Anonymous:1981:PIVe

- [Ano81x] Anonymous. Program index to volume 24. *Computer Physics Communications*, 24(3–4):485–486, December 1981. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901739>.

Anonymous:1981:PIVb

- [Ano81y] Anonymous. Program index to volumes 16–20. *Computer Physics Communications*, 21(3):447–458, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900242>.

Anonymous:1982:SSS

- [Ano82a] Anonymous. 1983 Sanibel Symposia series. *Computer Physics Communications*, 27(3):323, September 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901795>.

Anonymous:1982:Aa

- [Ano82b] Anonymous. Announcement. *Computer Physics Communications*, 25(1):112, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900509>.

Anonymous:1982:Ab

- [Ano82c] Anonymous. Announcement. *Computer Physics Communications*, 27(1):103, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900157>.

Anonymous:1982:AIVa

- [Ano82d] Anonymous. Author index to volume 25. *Computer Physics Communications*, 25(4):439–441, April 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900819>.

Anonymous:1982:AIVb

- [Ano82e] Anonymous. Author index to volume 26. *Computer Physics Communications*, 26(3–4):495–500, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901503>.

Anonymous:1982:AIVc

- [Ano82f] Anonymous. Author index to volume 27. *Computer Physics Communications*, 27(4):426–429, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901047>.

Anonymous:1982:Ca

- [Ano82g] Anonymous. Committees. *Computer Physics Communications*, 26(1–2):xii, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901539>.

Anonymous:1982:Cc

- [Ano82h] Anonymous. Committees. *Computer Physics Communications*, 26(1–2):xii, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901539>.

Anonymous:1982:CPC

- [Ano82i] Anonymous. Computer Physics Communications instructions to authors (fourth revision). *Computer Physics Communications*, 27(1):1–9, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900029>.

Anonymous:1982:Cb

- [Ano82j] Anonymous. Contents. *Computer Physics Communications*, 26(1–2):xiii, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901540>.

Anonymous:1982:Cd

- [Ano82k] Anonymous. Contents. *Computer Physics Communications*, 26(1–2):xiii, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901540>.

Anonymous:1982:Ce

- [Ano82l] Anonymous. Contents. *Computer Physics Communications*, 26(3–4):vii–viii, June 1982. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901072>■

Anonymous:1982:CVa

- [Ano82m] Anonymous. Contents to volume 25. *Computer Physics Communications*, 25(4):437–438, April 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900807>■

Anonymous:1982:CVb

- [Ano82n] Anonymous. Contents to volume 26. *Computer Physics Communications*, 26(3–4):491–493, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901497>■

Anonymous:1982:CVc

- [Ano82o] Anonymous. Contents to volume 27. *Computer Physics Communications*, 27(4):423–425, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901035>■

Anonymous:1982:EBaa

- [Ano82p] Anonymous. Editorial board. *Computer Physics Communications*, 25(1):??, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900376>■

Anonymous:1982:EBb

- [Ano82q] Anonymous. Editorial board. *Computer Physics Communications*, 26(1–2):v–vii, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901515>■

Anonymous:1982:EBc

- [Ano82r] Anonymous. Editorial board. *Computer Physics Communications*, 27(1):v–vii, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900017>■

Anonymous:1982:EBd

- [Ano82s] Anonymous. Editorial board. *Computer Physics Communications*, 28(1):??, November 1982. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900583>■

Anonymous:1982:ENa

- [Ano82t] Anonymous. Erratum notice. *Computer Physics Communications*, 25(1):111, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900492>■

Anonymous:1982:ENb

- [Ano82u] Anonymous. Erratum notice. *Computer Physics Communications*, 25(2):207, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900364>■

Anonymous:1982:ENc

- [Ano82v] Anonymous. Erratum notice. *Computer Physics Communications*, 28(2):217, December 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900571>■

Anonymous:1982:FGC

- [Ano82w] Anonymous. Fifth GAMM conference on numerical methods in fluid mechanics. *Computer Physics Communications*, 27(3):324, September 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901801>.

Anonymous:1982:LC

- [Ano82x] Anonymous. List of contributors. *Computer Physics Communications*, 26(3-4):489, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901485>■

Anonymous:1982:LD

- [Ano82y] Anonymous. List of delegates. *Computer Physics Communications*, 26(3-4):481-488, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901473>■

Anonymous:1982:Pa

- [Ano82z] Anonymous. Preface. *Computer Physics Communications*, 26(1-2):xi, May 1982. CODEN CPHCBZ. ISSN 0010-

4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901527> ■

Anonymous:1982:Pb

- [Ano82-27] Anonymous. Preface. *Computer Physics Communications*, 26(3-4):v-vi, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901060> ■

Anonymous:1982:PIVa

- [Ano82-28] Anonymous. Program index to volume 25. *Computer Physics Communications*, 25(4):443-446, April 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900820>.

Anonymous:1982:PIVc

- [Ano82-29] Anonymous. Program index to volume 27. *Computer Physics Communications*, 27(4):430-432, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901059>.

Anonymous:1982:PIVb

- [Ano82-30] Anonymous. Program index to volumes 21-25. *Computer Physics Communications*, 25(4):447-460, April 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900832>.

Anonymous:1983:A

- [Ano83a] Anonymous. Announcement. *Computer Physics Communications*, 30(4):429, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390084X> ■

Anonymous:1983:AIVa

- [Ano83b] Anonymous. Author index to volume 28. *Computer Physics Communications*, 28(4):435-437, February 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900383>.

Anonymous:1983:AIVb

- [Ano83c] Anonymous. Author index to volume 29. *Computer Physics Communications*, 29(4):431–436, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900206>.

Anonymous:1983:AIVc

- [Ano83d] Anonymous. Author index to volume 30. *Computer Physics Communications*, 30(4):434–437, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900863>.

Anonymous:1983:CVa

- [Ano83e] Anonymous. Contents to volume 28. *Computer Physics Communications*, 28(4):433–434, February 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900371>.

Anonymous:1983:CVb

- [Ano83f] Anonymous. Contents to volume 29. *Computer Physics Communications*, 29(4):427–429, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390019X>.

Anonymous:1983:CVc

- [Ano83g] Anonymous. Contents to volume 30. *Computer Physics Communications*, 30(4):431–433, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900851>.

Anonymous:1983:E

- [Ano83h] Anonymous. Editorial. *Computer Physics Communications*, 30(2):??, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900528>.

Anonymous:1983:EBa

- [Ano83i] Anonymous. Editorial board. *Computer Physics Communications*, 29(1):??, March 1983. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390022X>■

Anonymous:1983:EBb

- [Ano83j] Anonymous. Editorial board. *Computer Physics Communications*, 30(1):i–iii, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901157>■

Anonymous:1983:ENa

- [Ano83k] Anonymous. Erratum notice. *Computer Physics Communications*, 28(3):323, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900504>■

Anonymous:1983:ENb

- [Ano83l] Anonymous. Erratum notice. *Computer Physics Communications*, 28(3):324, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900516>■

Anonymous:1983:ENc

- [Ano83m] Anonymous. Erratum notice. *Computer Physics Communications*, 29(4):417–426, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900188>■

Anonymous:1983:ENd

- [Ano83n] Anonymous. Erratum notice. *Computer Physics Communications*, 30(1):107–108, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901285>■

Anonymous:1983:ENe

- [Ano83o] Anonymous. Erratum notice. *Computer Physics Communications*, 30(2):219, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900644>.

Anonymous:1983:PIVa

- [Ano83p] Anonymous. Program index to volume 28. *Computer Physics Communications*, 28(4):438–440, February 1983. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900395>.

Anonymous:1983:PIVb

- [Ano83q] Anonymous. Program index to volume 29. *Computer Physics Communications*, 29(4):437–440, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900218>.

Anonymous:1983:PIVc

- [Ano83r] Anonymous. Program index to volume 30. *Computer Physics Communications*, 30(4):438–440, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900875>.

Anonymous:1984:A

- [Ano84a] Anonymous. Announcement. *Computer Physics Communications*, 32(2):229, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900754>.

Anonymous:1984:ACP

- [Ano84b] Anonymous. Announcement and call for papers. *Computer Physics Communications*, 31(4):441–442, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900328>.

Anonymous:1984:AI

- [Ano84c] Anonymous. Author index. *Computer Physics Communications*, 35(1–3):D–1–D–93, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830271>.

Anonymous:1984:AIVa

- [Ano84d] Anonymous. Author index to volume 31. *Computer Physics Communications*, 31(4):445–447, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900341>.

Anonymous:1984:AIVb

- [Ano84e] Anonymous. Author index to volume 32. *Computer Physics Communications*, 32(4):443–445, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900626>.

Anonymous:1984:AIVc

- [Ano84f] Anonymous. Author index to volume 33. *Computer Physics Communications*, 33(4):447–449, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901504>.

Anonymous:1984:Ca

- [Ano84g] Anonymous. Contents. *Computer Physics Communications*, 31(2–3):vii, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900377>.

Anonymous:1984:Cb

- [Ano84h] Anonymous. Contents. *Computer Physics Communications*, 33(1–3):xiii–xiv, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900997>.

Anonymous:1984:CLM

- [Ano84i] Anonymous. Contents and layout of master index (volumes 1–30). *Computer Physics Communications*, 35(1–3):v–viii, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822705>.

Anonymous:1984:CVa

- [Ano84j] Anonymous. Contents to volume 31. *Computer Physics Communications*, 31(4):443–444, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490033X>.

Anonymous:1984:CVb

- [Ano84k] Anonymous. Contents to volume 32. *Computer Physics Communications*, 32(4):441–442, July 1984. CODEN CPHCBZ.

ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900614>■

Anonymous:1984:CVc

- [Ano84l] Anonymous. Contents to volume 33. *Computer Physics Communications*, 33(4):445–446, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901498>■

Anonymous:1984:EBa

- [Ano84m] Anonymous. Editorial board. *Computer Physics Communications*, 31(1):v–vii, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900766>■

Anonymous:1984:EBb

- [Ano84n] Anonymous. Editorial board. *Computer Physics Communications*, 32(1):v–vii, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900018>■

Anonymous:1984:EBc

- [Ano84o] Anonymous. Editorial board. *Computer Physics Communications*, 33(1–3):v–vii, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900961>.

Anonymous:1984:EBd

- [Ano84p] Anonymous. Editorial board. *Computer Physics Communications*, 34(1–2):v–vii, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901528>.

Anonymous:1984:Ea

- [Ano84q] Anonymous. Erratum. *Computer Physics Communications*, 35(1–3):C–27, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482295X>■

Anonymous:1984:Eb

- [Ano84r] Anonymous. Erratum. *Computer Physics Communications*, 35(1-3):C-57, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823231>

Anonymous:1984:Ec

- [Ano84s] Anonymous. Erratum. *Computer Physics Communications*, 35(1-3):C-165, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824169>

Anonymous:1984:Ed

- [Ano84t] Anonymous. Erratum. *Computer Physics Communications*, 35(1-3):C-184, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824315>

Anonymous:1984:Ee

- [Ano84u] Anonymous. Erratum. *Computer Physics Communications*, 35(1-3):C-211, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824546>

Anonymous:1984:Ef

- [Ano84v] Anonymous. Erratum. *Computer Physics Communications*, 35(1-3):C-234, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482473X>

Anonymous:1984:Eg

- [Ano84w] Anonymous. Erratum. *Computer Physics Communications*, 35(1-3):C-355, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825758>

Anonymous:1984:ENa

- [Ano84x] Anonymous. Erratum notice. *Computer Physics Communications*, 31(4):433-434, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900286>

Anonymous:1984:ENb

- [Ano84y] Anonymous. Erratum notice. *Computer Physics Communications*, 31(4):435–436, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900298>■

Anonymous:1984:ENc

- [Ano84z] Anonymous. Erratum notice. *Computer Physics Communications*, 31(4):437–438, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900304>■

Anonymous:1984:ENd

- [Ano84-27] Anonymous. Erratum notice. *Computer Physics Communications*, 31(4):439–440, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900316>■

Anonymous:1984:ENe

- [Ano84-28] Anonymous. Erratum notice. *Computer Physics Communications*, 34(1–2):223, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901747>.

Anonymous:1984:ENf

- [Ano84-29] Anonymous. Erratum notice. *Computer Physics Communications*, 34(1–2):224, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901759>.

Anonymous:1984:ENaa

- [Ano84-30] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1–3):C–114, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823723>■

Anonymous:1984:ENac

- [Ano84-31] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1–3):C–184, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824303>■

Anonymous:1984:ENad

- [Ano84-32] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-27, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822948>■

Anonymous:1984:ENaf

- [Ano84-33] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-208, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824509>■

Anonymous:1984:ENag

- [Ano84-34] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-56, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482322X>■

Anonymous:1984:ENah

- [Ano84-35] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-242, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824807>■

Anonymous:1984:ENaj

- [Ano84-36] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-269, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825047>■

Anonymous:1984:ENak

- [Ano84-37] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-282, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825138>■

Anonymous:1984:ENal

- [Ano84-38] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-297, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825278>■

Anonymous:1984:ENam

- [Ano84-39] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-308, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825357>■

Anonymous:1984:ENan

- [Ano84-40] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-328, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825527>■

Anonymous:1984:ENao

- [Ano84-41] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-343, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825655>■

Anonymous:1984:ENap

- [Ano84-42] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-355, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825746>■

Anonymous:1984:ENaq

- [Ano84-43] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-392, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482603X>■

Anonymous:1984:ENar

- [Ano84-44] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-408, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826181>■

Anonymous:1984:ENas

- [Ano84-45] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-416, 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826259>.

Anonymous:1984:ENat

- [Ano84-46] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-416, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826260>.

Anonymous:1984:ENau

- [Ano84-47] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-421, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826302>.

Anonymous:1984:ENav

- [Ano84-48] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-426, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826363>.

Anonymous:1984:ENaw

- [Ano84-49] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-431, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826417>.

Anonymous:1984:ENax

- [Ano84-50] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-445, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826521>.

Anonymous:1984:ENay

- [Ano84-51] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-472, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826715>.

Anonymous:1984:ENaz

- [Ano84-52] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-517, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826995>.

Anonymous:1984:ENg

- [Ano84-53] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-27, ????. 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822948>.

Anonymous:1984:ENh

- [Ano84-54] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-571, ????. 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827459>.

Anonymous:1984:ENi

- [Ano84-55] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-571, ????. 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827460>.

Anonymous:1984:ENj

- [Ano84-56] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-607, ????. 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827745>.

Anonymous:1984:ENk

- [Ano84-57] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-621, ????. 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482785X>.

Anonymous:1984:ENl

- [Ano84-58] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-621, ????. 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827861>.

Anonymous:1984:ENm

- [Ano84-59] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-628, ????. 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827915>■

Anonymous:1984:ENn

- [Ano84-60] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-649, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482809X>■

Anonymous:1984:ENo

- [Ano84-61] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-679, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828325>■

Anonymous:1984:ENp

- [Ano84-62] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-689, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828404>■

Anonymous:1984:ENq

- [Ano84-63] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-710, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828544>■

Anonymous:1984:ENr

- [Ano84-64] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-722, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828623>■

Anonymous:1984:ENs

- [Ano84-65] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-774, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482901X>■

Anonymous:1984:ENt

- [Ano84-66] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-783, 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829094>.

Anonymous:1984:ENu

- [Ano84-67] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-847, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829562>.

Anonymous:1984:ENv

- [Ano84-68] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-855, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829641>.

Anonymous:1984:ENw

- [Ano84-69] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-890, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482994X>.

Anonymous:1984:ENx

- [Ano84-70] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-912, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830118>.

Anonymous:1984:ENy

- [Ano84-71] Anonymous. Erratum notice. *Computer Physics Communications*, 35(1-3):C-56, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482322X>.

Anonymous:1984:ENab

- [Ano84-72] Anonymous. Erratum notices. *Computer Physics Communications*, 35(1-3):C-141, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823954>.

Anonymous:1984:ENae

- [Ano84-73] Anonymous. Erratum notices. *Computer Physics Communications*, 35(1-3):C-193, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824388>■

Anonymous:1984:ENai

- [Ano84-74] Anonymous. Erratum notices. *Computer Physics Communications*, 35(1-3):C-78, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823413>■

Anonymous:1984:ENz

- [Ano84-75] Anonymous. Erratum notices. *Computer Physics Communications*, 35(1-3):C-78, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823413>■

Anonymous:1984:Pa

- [Ano84-76] Anonymous. Preface. *Computer Physics Communications*, 33(1-3):xi, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900973>■

Anonymous:1984:Pb

- [Ano84-77] Anonymous. Preface. *Computer Physics Communications*, 35(1-3):??, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822699>■

Anonymous:1984:PI

- [Ano84-78] Anonymous. Program index. *Computer Physics Communications*, 35(1-3):??, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822729>■

Anonymous:1984:PIVa

- [Ano84-79] Anonymous. Program index to volume 31. *Computer Physics Communications*, 31(4):449-450, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900353>.

Anonymous:1984:PIVb

- [Ano84-80] Anonymous. Program index to volume 32. *Computer Physics Communications*, 32(4):446-448, July 1984. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900638>.

Anonymous:1984:PIVc

- [Ano84-81] Anonymous. Program index to volume 33. *Computer Physics Communications*, 33(4):450, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901516>.

Anonymous:1984:PS

- [Ano84-82] Anonymous. Program summary. *Computer Physics Communications*, 35(1-3):C-9, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822791>.

Anonymous:1984:PSC

- [Ano84-83] Anonymous. Program summary (CsCI lattice). *Computer Physics Communications*, 35(1-3):C-34, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823024>.

Anonymous:1984:PSD

- [Ano84-84] Anonymous. Program summary (DCSCH4). *Computer Physics Communications*, 35(1-3):C-95, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823541>.

Anonymous:1984:PSF

- [Ano84-85] Anonymous. Program summary (field gradient integral). *Computer Physics Communications*, 35(1-3):C-132, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823863>.

Anonymous:1984:SOC

- [Ano84-86] Anonymous. Sponsors and organizing committee. *Computer Physics Communications*, 33(1-3):xii, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900985>.

Anonymous:1984:SIC

- [Ano84-87] Anonymous. Subject index computational physics papers. *Computer Physics Communications*, 35(1-3):??, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822717>.

Anonymous:1985:A

- [Ano85a] Anonymous. Announcement. *Computer Physics Communications*, 38(3):449, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901134>.

Anonymous:1985:AIVa

- [Ano85b] Anonymous. Author index to volume 34. *Computer Physics Communications*, 34(4):442-445, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900748>.

Anonymous:1985:AIVb

- [Ano85c] Anonymous. Author index to volume 36. *Computer Physics Communications*, 36(4):446-450, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900360>.

Anonymous:1985:AIVc

- [Ano85d] Anonymous. Author index to volume 37. *Computer Physics Communications*, 37(1-3):383-386, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590178X>.

Anonymous:1985:AIVd

- [Ano85e] Anonymous. Author index to volume 38. *Computer Physics Communications*, 38(3):454-458, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901158>.

Anonymous:1985:Ca

- [Ano85f] Anonymous. Contents. *Computer Physics Communications*, 37(1–3):xiii–xv, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901298>■

Anonymous:1985:Cb

- [Ano85g] Anonymous. Contents. *Computer Physics Communications*, 38(2):vii–viii, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900785>■

Anonymous:1985:CVa

- [Ano85h] Anonymous. Contents to volume 34. *Computer Physics Communications*, 34(4):439–441, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900736>■

Anonymous:1985:CVb

- [Ano85i] Anonymous. Contents to volume 36. *Computer Physics Communications*, 36(4):443–445, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900359>■

Anonymous:1985:CVc

- [Ano85j] Anonymous. Contents to volume 37. *Computer Physics Communications*, 37(1–3):380–382, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901778>■

Anonymous:1985:CVd

- [Ano85k] Anonymous. Contents to volume 38. *Computer Physics Communications*, 38(3):451–453, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901146>.

Anonymous:1985:EBa

- [Ano85l] Anonymous. Editorial board. *Computer Physics Communications*, 36(1):v–vii, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900128>■

Anonymous:1985:EBb

- [Ano85m] Anonymous. Editorial board. *Computer Physics Communications*, 37(1-3):v-vii, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901274> ■

Anonymous:1985:EBc

- [Ano85n] Anonymous. Editorial board. *Computer Physics Communications*, 38(1):v-vii, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900384>.

Anonymous:1985:ENa

- [Ano85o] Anonymous. Erratum notice. *Computer Physics Communications*, 34(4):427-429, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900700> ■

Anonymous:1985:ENb

- [Ano85p] Anonymous. Erratum notice. *Computer Physics Communications*, 34(4):431-436, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900712> ■

Anonymous:1985:ENc

- [Ano85q] Anonymous. Erratum notice. *Computer Physics Communications*, 34(4):437-438, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900724> ■

Anonymous:1985:ENd

- [Ano85r] Anonymous. Erratum notice. *Computer Physics Communications*, 36(3):337, May 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900608> ■

Anonymous:1985:ENe

- [Ano85s] Anonymous. Erratum notice. *Computer Physics Communications*, 36(4):441, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900347> ■

Anonymous:1985:ENf

- [Ano85t] Anonymous. Erratum notice. *Computer Physics Communications*, 38(1):118, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900529>.

Anonymous:1985:LC

- [Ano85u] Anonymous. List of contributors. *Computer Physics Communications*, 37(1-3):379, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901766>.

Anonymous:1985:LD

- [Ano85v] Anonymous. List of delegates. *Computer Physics Communications*, 37(1-3):371-378, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901754>.

Anonymous:1985:O

- [Ano85w] Anonymous. Obituary. *Computer Physics Communications*, 38(3):i-ii, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900992>.

Anonymous:1985:Pa

- [Ano85x] Anonymous. Preface. *Computer Physics Communications*, 37(1-3):xi, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901286>.

Anonymous:1985:Pb

- [Ano85y] Anonymous. Preface. *Computer Physics Communications*, 38(2):v, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900761>.

Anonymous:1985:PIVa

- [Ano85z] Anonymous. Program index to volume 34. *Computer Physics Communications*, 34(4):446-448, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590075X>.

Anonymous:1985:PIVb

- [Ano85-27] Anonymous. Program index to volume 36. *Computer Physics Communications*, 36(4):451–452, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900372>.

Anonymous:1985:PIVc

- [Ano85-28] Anonymous. Program index to volume 38. *Computer Physics Communications*, 38(3):459–461, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590116X>.

Anonymous:1985:S

- [Ano85-29] Anonymous. Sponsors. *Computer Physics Communications*, 38(2):vi, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900773>.

Anonymous:1986:AIVa

- [Ano86a] Anonymous. Author index to volume 39. *Computer Physics Communications*, 39(3):452–456, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901037>.

Anonymous:1986:AIVb

- [Ano86b] Anonymous. Author index to volume 40. *Computer Physics Communications*, 40(2–3):443–447, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901244>.

Anonymous:1986:AIVc

- [Ano86c] Anonymous. Author index to volume 41. *Computer Physics Communications*, 41(2–3):430, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690086X>.

Anonymous:1986:AIVd

- [Ano86d] Anonymous. Author index to volume 42. *Computer Physics Communications*, 42(3):446–448, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900147>.

Anonymous:1986:Cc

- [Ano86e] Anonymous. Committees. *Computer Physics Communications*, 43(1):xii, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900482>.

Anonymous:1986:CPC

- [Ano86f] Anonymous. Computer Physics Communications instructions to authors (fifth revision). *Computer Physics Communications*, 42(1):xv–xxiii, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902213>.

Anonymous:1986:Ca

- [Ano86g] Anonymous. Contents. *Computer Physics Communications*, 40(1):xiii, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690144X>.

Anonymous:1986:Cb

- [Ano86h] Anonymous. Contents. *Computer Physics Communications*, 41(2–3):vii–viii, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900639>.

Anonymous:1986:Cd

- [Ano86i] Anonymous. Contents. *Computer Physics Communications*, 43(1):xiii, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900494>.

Anonymous:1986:CVa

- [Ano86j] Anonymous. Contents to volume 39. *Computer Physics Communications*, 39(3):449–451, April 1986. CODEN CPHCBZ.

ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901025>■

Anonymous:1986:CVb

- [Ano86k] Anonymous. Contents to volume 40. *Computer Physics Communications*, 40(2–3):441–442, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901232>■

Anonymous:1986:CVc

- [Ano86l] Anonymous. Contents to volume 41. *Computer Physics Communications*, 41(2–3):427–429, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900858>■

Anonymous:1986:CVd

- [Ano86m] Anonymous. Contents to volume 42. *Computer Physics Communications*, 42(3):443–445, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900135>.

Anonymous:1986:CPL

- [Ano86n] Anonymous. CPC program library. *Computer Physics Communications*, 42(1):xxv–xxvi, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902225>.

Anonymous:1986:E

- [Ano86o] Anonymous. Editorial. *Computer Physics Communications*, 42(1):xi–xiii, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902201>■

Anonymous:1986:EBa

- [Ano86p] Anonymous. Editorial board. *Computer Physics Communications*, 39(1):v–vii, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690158X>■

Anonymous:1986:EBb

- [Ano86q] Anonymous. Editorial board. *Computer Physics Communications*, 40(1):v–vii, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901426>■

Anonymous:1986:EBc

- [Ano86r] Anonymous. Editorial board. *Computer Physics Communications*, 41(1):v–vii, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900160>■

Anonymous:1986:EBd

- [Ano86s] Anonymous. Editorial board. *Computer Physics Communications*, 42(1):v–vii, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902183>■

Anonymous:1986:EBe

- [Ano86t] Anonymous. Editorial board. *Computer Physics Communications*, 43(1):v–vii, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900469>■

Anonymous:1986:ENa

- [Ano86u] Anonymous. Erratum notice. *Computer Physics Communications*, 39(1):153, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901700>■

Anonymous:1986:ENb

- [Ano86v] Anonymous. Erratum notice. *Computer Physics Communications*, 39(1):154, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901712>■

Anonymous:1986:ENc

- [Ano86w] Anonymous. Erratum notice. *Computer Physics Communications*, 39(2):303, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901414>■

Anonymous:1986:ENd

- [Ano86x] Anonymous. Erratum notice. *Computer Physics Communications*, 39(3):447, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901013> ■

Anonymous:1986:ENe

- [Ano86y] Anonymous. Erratum notice. *Computer Physics Communications*, 41(1):195, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900317> ■

Anonymous:1986:ENf

- [Ano86z] Anonymous. Erratum notice. *Computer Physics Communications*, 41(1):196, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900329> ■

Anonymous:1986:ENg

- [Ano86-27] Anonymous. Erratum notice. *Computer Physics Communications*, 42(2):303, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900457> ■

Anonymous:1986:LP

- [Ano86-28] Anonymous. List of participants. *Computer Physics Communications*, 43(1):169–170, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900603>.

Anonymous:1986:Pb

- [Ano86-29] Anonymous. Preface. *Computer Physics Communications*, 41(2-3):v, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900615> ■

Anonymous:1986:Pa

- [Ano86-30] Anonymous. Preface 0. *Computer Physics Communications*, 40(1):xi, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901438>.

Anonymous:1986:PIVa

- [Ano86-31] Anonymous. Program index to volume 39. *Computer Physics Communications*, 39(3):457–460, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901049>.

Anonymous:1986:PIVb

- [Ano86-32] Anonymous. Program index to volume 40. *Computer Physics Communications*, 40(2–3):448, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901256>.

Anonymous:1986:PIVc

- [Ano86-33] Anonymous. Program index to volume 41. *Computer Physics Communications*, 41(2–3):433–434, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900871>.

Anonymous:1986:PIVd

- [Ano86-34] Anonymous. Program index to volume 42. *Computer Physics Communications*, 42(3):449–451, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900159>.

Anonymous:1986:PN

- [Ano86-35] Anonymous. Publisher's note. *Computer Physics Communications*, 42(1):ix, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902195> ■

Anonymous:1986:S

- [Ano86-36] Anonymous. Sponsors. *Computer Physics Communications*, 41(2–3):vi, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900627> ■

Anonymous:1987:A

- [Ano87a] Anonymous. Announcement. *Computer Physics Communications*, 46(2):336, August 1987. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900099>

Anonymous:1987:ACA

- [Ano87b] Anonymous. The APE computer: An array processor optimized for lattice gauge theory simulations. *Computer Physics Communications*, 45(1-3):345-353, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790172X>.

Anonymous:1987:AGG

- [Ano87c] Anonymous. An application of the GEANT3 geometry package to the description of the opal detector. *Computer Physics Communications*, 47(1):55-74, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790066X>.

Anonymous:1987:ACC

- [Ano87d] Anonymous. ASILOMAR CHEP conference participants. *Computer Physics Communications*, 45(1-3):487-490, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901998>.

Anonymous:1987:AIVa

- [Ano87e] Anonymous. Author index to volume 43. *Computer Physics Communications*, 43(3):442-444, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900609>.

Anonymous:1987:AIVb

- [Ano87f] Anonymous. Author index to volume 44. *Computer Physics Communications*, 44(3):311-313, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900889>.

Anonymous:1987:AIVc

- [Ano87g] Anonymous. Author index to volume 45. *Computer Physics Communications*, 45(1-3):495-499, August 1, 1987. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902013>.

Anonymous:1987:AIVd

- [Ano87h] Anonymous. Author index to volume 46. *Computer Physics Communications*, 46(3):458–460, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901019>.

Anonymous:1987:AIVe

- [Ano87i] Anonymous. Author index to volume 47. *Computer Physics Communications*, 47(2–3):377–380, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901275>.

Anonymous:1987:CI

- [Ano87j] Anonymous. Colour illustrations. *Computer Physics Communications*, 44(1–2):ix, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900117>.

Anonymous:1987:C

- [Ano87k] Anonymous. Contents. *Computer Physics Communications*, 44(3):vii, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900774>.

Anonymous:1987:CVa

- [Ano87l] Anonymous. Contents to volume 43. *Computer Physics Communications*, 43(3):439–441, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900592>.

Anonymous:1987:CVb

- [Ano87m] Anonymous. Contents to volume 44. *Computer Physics Communications*, 44(3):309–310, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900877>.

Anonymous:1987:CVc

- [Ano87n] Anonymous. Contents to volume 45. *Computer Physics Communications*, 45(1-3):491-494, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902001>.

Anonymous:1987:CVd

- [Ano87o] Anonymous. Contents to volume 46. *Computer Physics Communications*, 46(3):455-457, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901007>.

Anonymous:1987:CVe

- [Ano87p] Anonymous. Contents to volume 47. *Computer Physics Communications*, 47(2-3):373-375, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901263>.

Anonymous:1987:EBa

- [Ano87q] Anonymous. Editorial board. *Computer Physics Communications*, 44(1-2):v-vii, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900105>.

Anonymous:1987:EBb

- [Ano87r] Anonymous. Editorial board. *Computer Physics Communications*, 45(1-3):v-vii, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901330>.

Anonymous:1987:EBc

- [Ano87s] Anonymous. Editorial board. *Computer Physics Communications*, 46(1):v-vii, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900312>.

Anonymous:1987:EBd

- [Ano87t] Anonymous. Editorial board. *Computer Physics Communications*, 47(1):v-vii, October 1987. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900622>

Anonymous:1987:ENa

- [Ano87u] Anonymous. Erratum notice. *Computer Physics Communications*, 44(1-2):227-231, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900300>

Anonymous:1987:ENb

- [Ano87v] Anonymous. Erratum notice. *Computer Physics Communications*, 47(2-3):367, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901238>.

Anonymous:1987:ENc

- [Ano87w] Anonymous. Erratum notice. *Computer Physics Communications*, 47(2-3):368, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790124X>.

Anonymous:1987:PIVa

- [Ano87x] Anonymous. Program index to volume 43. *Computer Physics Communications*, 43(3):445-446, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900610>.

Anonymous:1987:PIVb

- [Ano87y] Anonymous. Program index to volume 44. *Computer Physics Communications*, 44(3):315-316, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900890>.

Anonymous:1987:PIVc

- [Ano87z] Anonymous. Program index to volume 46. *Computer Physics Communications*, 46(3):461-463, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901020>.

Anonymous:1987:PIVd

- [Ano87-27] Anonymous. Program index to volume 47. *Computer Physics Communications*, 47(2-3):381-382, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901287>.

Anonymous:1987:SIV

- [Ano87-28] Anonymous. Subject index to volume 45. *Computer Physics Communications*, 45(1-3):500-503, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902025>.

Anonymous:1987:USS

- [Ano87-29] Anonymous. The use of SA/SD methods in D0 software development. *Computer Physics Communications*, 45(1-3):245-257, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901615>.

Anonymous:1988:Aa

- [Ano88a] Anonymous. Announcement. *Computer Physics Communications*, 48(1):??, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900379>.

Anonymous:1988:Ab

- [Ano88b] Anonymous. Announcement. *Computer Physics Communications*, 50(3):415-416, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901968>.

Anonymous:1988:AIVa

- [Ano88c] Anonymous. Author index to volume 48. *Computer Physics Communications*, 48(3):462-464, March 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902068>.

Anonymous:1988:AIVb

- [Ano88d] Anonymous. Author index to volume 49. *Computer Physics Communications*, 49(3):511-513, June 1988. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900100>.

Anonymous:1988:AIVc

- [Ano88e] Anonymous. Author index to volume 50. *Computer Physics Communications*, 50(3):420–422, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901981>.

Anonymous:1988:AIVd

- [Ano88f] Anonymous. Author index to volume 51. *Computer Physics Communications*, 51(3):480–483, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901610>.

Anonymous:1988:Cc

- [Ano88g] Anonymous. Committees. *Computer Physics Communications*, 50(1–2):xii, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901117> ■

Anonymous:1988:CPCa

- [Ano88h] Anonymous. Computer Physics Communications — list of editors. *Computer Physics Communications*, 49(1):v–vii, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902081>.

Anonymous:1988:CPCb

- [Ano88i] Anonymous. Computer Physics Communications — publisher's note. *Computer Physics Communications*, 50(3):??, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901828>.

Anonymous:1988:Ca

- [Ano88j] Anonymous. Contents. *Computer Physics Communications*, 48(1):xiii–xiv, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900161> ■

Anonymous:1988:Cb

- [Ano88k] Anonymous. Contents. *Computer Physics Communications*, 49(1):xiii–xiv, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902111>

Anonymous:1988:Cd

- [Ano88l] Anonymous. Contents. *Computer Physics Communications*, 51(1–2):xiii–xiv, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900562>.

Anonymous:1988:CVa

- [Ano88m] Anonymous. Contents to volume 48. *Computer Physics Communications*, 48(3):459–461, March 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902056>

Anonymous:1988:CVb

- [Ano88n] Anonymous. Contents to volume 49. *Computer Physics Communications*, 49(3):507–509, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900094>

Anonymous:1988:CVc

- [Ano88o] Anonymous. Contents to volume 50. *Computer Physics Communications*, 50(3):417–419, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890197X>

Anonymous:1988:CVd

- [Ano88p] Anonymous. Contents to volume 51. *Computer Physics Communications*, 51(3):477–479, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901609>.

Anonymous:1988:EBa

- [Ano88q] Anonymous. Editorial board. *Computer Physics Communications*, 48(1):v–vii, January 1988. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900148>■

Anonymous:1988:EBb

- [Ano88r] Anonymous. Editorial board. *Computer Physics Communications*, 50(1-2):v-vii, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901099>■

Anonymous:1988:EBc

- [Ano88s] Anonymous. Editorial board. *Computer Physics Communications*, 51(1-2):v-vii, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900537>.

Anonymous:1988:EBd

- [Ano88t] Anonymous. Editorial board 1425 1101 V 2. *Computer Physics Communications*, 52(1):v-vii, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901634>.

Anonymous:1988:EN

- [Ano88u] Anonymous. Erratum notice. *Computer Physics Communications*, 52(1):165, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901816>■

Anonymous:1988:F

- [Ano88v] Anonymous. Forward. *Computer Physics Communications*, 51(1-2):xi, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900549>■

Anonymous:1988:LCb

- [Ano88w] Anonymous. List of committees. *Computer Physics Communications*, 49(1):xii, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890210X>■

Anonymous:1988:LCa

- [Ano88x] Anonymous. List of contributors. *Computer Physics Communications*, 48(1):174, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900367> ■

Anonymous:1988:LCc

- [Ano88y] Anonymous. List of contributors. *Computer Physics Communications*, 50(1-2):285, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901397> ■

Anonymous:1988:LP

- [Ano88z] Anonymous. List of participants. *Computer Physics Communications*, 49(1):271-274, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902366> ■

Anonymous:1988:MEP

- [Ano88-27] Anonymous. Microcomputers in everyday practice of physicists: (a summary of the 7th European Summer School on Computing Techniques in Physics). *Computer Physics Communications*, 50(1-2):281-283, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901385> ■

Anonymous:1988:Pa

- [Ano88-28] Anonymous. Preface. *Computer Physics Communications*, 49(1):xi, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902093>.

Anonymous:1988:Pb

- [Ano88-29] Anonymous. Preface. *Computer Physics Communications*, 50(1-2):xi, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901105>.

Anonymous:1988:Pc

- [Ano88-30] Anonymous. Preface. *Computer Physics Communications*, 51(1-2):xii, September/October 1988. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900550>■

Anonymous:1988:PIVa

- [Ano88-31] Anonymous. Program index to volume 48. *Computer Physics Communications*, 48(3):465–466, March 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890207X>.

Anonymous:1988:PIVb

- [Ano88-32] Anonymous. Program index to volume 49. *Computer Physics Communications*, 49(3):514, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900112>■

Anonymous:1988:PIVc

- [Ano88-33] Anonymous. Program index to volume 50. *Computer Physics Communications*, 50(3):423, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901993>.

Anonymous:1988:PIVd

- [Ano88-34] Anonymous. Program index to volume 51. *Computer Physics Communications*, 51(3):484–486, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901622>.

Anonymous:1988:RTD

- [Ano88-35] Anonymous. Round-table discussion. *Computer Physics Communications*, 48(1):167–173, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900355>■

Anonymous:1988:SI

- [Ano88-36] Anonymous. Subject index. *Computer Physics Communications*, 50(1–2):287–288, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901403>■

Anonymous:1989:WCM

- [Ano89a] Anonymous. 3rd world conference on mathematics at the service of man. *Computer Physics Communications*, 52(3):446, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901203>.

Anonymous:1989:AI

- [Ano89b] Anonymous. Author index. *Computer Physics Communications*, 56(1):104, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990057X>.

Anonymous:1989:AIVa

- [Ano89c] Anonymous. Author index to volume 52. *Computer Physics Communications*, 52(3):450–453, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901227>.

Anonymous:1989:AIVb

- [Ano89d] Anonymous. Author index to volume 53. *Computer Physics Communications*, 53(1–3):479–480, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990180X>.

Anonymous:1989:AIVc

- [Ano89e] Anonymous. Author index to volume 54. *Computer Physics Communications*, 54(2–3):416–418, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901021>.

Anonymous:1989:AIVd

- [Ano89f] Anonymous. Author index to volume 55. *Computer Physics Communications*, 55(3):474–477, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901410>.

Anonymous:1989:AIVe

- [Ano89g] Anonymous. Author index to volume 57. *Computer Physics Communications*, 57(1-3):568-576, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902956>.

Anonymous:1989:BRB

- [Ano89h] Anonymous. Book review: *Computational Techniques for Fluid Dynamics*: C. A. J. Fletcher, Springer Series in Computational Physics, Springer-Verlag, London, 1988. Two volumes; 409 and 484 pages, respectively. Hardcover price for two-volume set DM 198.00. ISBN 0-387-19466-5 and 3-540-19466-5. *Computer Physics Communications*, 56(2):291-292, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900258>.

Anonymous:1989:CS

- [Ano89i] Anonymous. Committees and sponsors. *Computer Physics Communications*, 57(1-3):xiv, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901835>.

Anonymous:1989:Ca

- [Ano89j] Anonymous. Contents. *Computer Physics Communications*, 56(1):xiii, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900489>.

Anonymous:1989:Cb

- [Ano89k] Anonymous. Contents. *Computer Physics Communications*, 57(1-3):xv-xx, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901847>.

Anonymous:1989:CVa

- [Ano89l] Anonymous. Contents to volume 52. *Computer Physics Communications*, 52(3):447-449, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901215>.

Anonymous:1989:CVb

- [Ano89m] Anonymous. Contents to volume 54. *Computer Physics Communications*, 54(2-3):413-415, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990101X>.

Anonymous:1989:CVc

- [Ano89n] Anonymous. Contents to volume 55. *Computer Physics Communications*, 55(3):471-473, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901409> ■

Anonymous:1989:EBa

- [Ano89o] Anonymous. Editorial board. *Computer Physics Communications*, 53(1-3):v-vii, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901434> ■

Anonymous:1989:EBb

- [Ano89p] Anonymous. Editorial board. *Computer Physics Communications*, 54(1):v-vii, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990026X> ■

Anonymous:1989:EBc

- [Ano89q] Anonymous. Editorial board. *Computer Physics Communications*, 55(1):??, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900581> ■

Anonymous:1989:EBd

- [Ano89r] Anonymous. Editorial board. *Computer Physics Communications*, 56(1):v-vii, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900465> ■

Anonymous:1989:EBe

- [Ano89s] Anonymous. Editorial board. *Computer Physics Communications*, 57(1-3):??, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901811> ■

Anonymous:1989:ENa

- [Ano89t] Anonymous. Erratum notice. *Computer Physics Communications*, 52(3):443–444, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901185> ■

Anonymous:1989:ENb

- [Ano89u] Anonymous. Erratum notice. *Computer Physics Communications*, 52(3):445, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901197> ■

Anonymous:1989:ENc

- [Ano89v] Anonymous. Erratum notice. *Computer Physics Communications*, 55(2):251, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900817> ■

Anonymous:1989:ENd

- [Ano89w] Anonymous. Erratum notice. *Computer Physics Communications*, 55(3):469, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901392> ■

Anonymous:1989:AAG

- [Ano89x] Anonymous. From APE to APE-100: From 1 to 100 Gflops in lattice gauge theory simulations. *Computer Physics Communications*, 57(1–3):285–289, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902294>.

Anonymous:1989:KIV

- [Ano89y] Anonymous. KWIC index to volume. *Computer Physics Communications*, 57(1–3):585–587, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990297X>.

Anonymous:1989:LP

- [Ano89z] Anonymous. List of participants. *Computer Physics Communications*, 56(1):101–103, November 1989. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900568>.

Anonymous:1989:OCC

- [Ano89-27] Anonymous. Oxford CHEP conference participants. *Computer Physics Communications*, 57(1-3):563-567, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902944>.

Anonymous:1989:P

- [Ano89-28] Anonymous. Preface. *Computer Physics Communications*, 53(1-3):xi, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901446>.

Anonymous:1989:PIVa

- [Ano89-29] Anonymous. Program index to volume 52. *Computer Physics Communications*, 52(3):454-456, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901239>.

Anonymous:1989:PIVb

- [Ano89-30] Anonymous. Program index to volume 54. *Computer Physics Communications*, 54(2-3):419-422, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901033>.

Anonymous:1989:PIVc

- [Ano89-31] Anonymous. Program index to volume 55. *Computer Physics Communications*, 55(3):478-480, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901422>.

Anonymous:1989:SIV

- [Ano89-32] Anonymous. Subject index to volume 57. *Computer Physics Communications*, 57(1-3):577-584, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902968>.

Angelini:1985:MCP

- [ANP⁺85] L. Angelini, L. Nitti, M. Pellicoro, G. Preparata, and G. Valenti. A Monte Carlo program for generating hadronic final states in electron-positron annihilations. *Computer Physics Communications*, 34(4):371–385, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900669>.

Alvisi:1988:RBA

- [AO88] L. Alvisi and R. Odorico. A rule based approach for pattern recognition in planar geometric figures. *Computer Physics Communications*, 51(3):443–450, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901579>.

Agrawal:1980:NGG

- [AP80] A. K. Agrawal and R. S. Peckover. Nonuniform grid generation for boundary-layer problems. *Computer Physics Communications*, 19(2):171–178, April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900478>.

Aers:1982:CIS

- [AP82] G. C. Aers and J. B. Pendry. Calculation of the impact scattering contribution to electron energy loss spectra. *Computer Physics Communications*, 25(4):389–416, April 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900777>.

Aers:1984:CIS

- [AP84] G. C. Aers and J. B. Pendry. Calculation of the impact scattering contribution to electron energy loss spectra. *Computer Physics Communications*, 35(1–3):C–798, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829197>.

Allouche:1989:CSF

- [AP89] A. Allouche and G. Pouzard. Computer simulation of FT-NMR multiple pulse experiment. *Computer Physics Communications*, 54(1):171–176, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900428>.

Arnoldus:1984:NSR

- [Arn84a] H. F. Arnoldus. Numerical stabilization of recurrence relations with vanishing solutions. *Computer Physics Communications*, 33(4):347–352, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901401>.

Arnoldus:1984:REM

- [Arn84b] H. F. Arnoldus. Radial electric multipole matrix elements for inelastic collisions in atomic and nuclear physics. *Computer Physics Communications*, 32(4):421–437, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900584>.

Arter:1985:BRBa

- [Art85a] W. Arter. Book review: *Numerical Methods for Differential Equations and Applications*: Liviu Ixaru, D. Reidel, Dordrecht, 1984. xxi + 337 pages Cloth Dfl 180, US\$69 ISBN 90-277-1597-1. *Computer Physics Communications*, 34(3):335, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900116>.

Arter:1985:BRBb

- [Art85b] W. Arter. Book review: *Potential Flows: Computer Graphic Solutions*: Robert H. Kirchhoff, Marcel Dekker Inc., New York, 1985. xiv + 182 pages. US\$45. *Computer Physics Communications*, 38(1):117, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900517>.

Anderson:1983:ISSa

- [AS83] D. V. Anderson and A. I. Shestakov. ICCG2: Subprograms for the solution of a linear symmetric matrix equa-

tion arising from a 9-point discretization. *Computer Physics Communications*, 30(1):37–42, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901200>.

Anderson:1984:ISSa

- [AS84] D. V. Anderson and A. I. Shestakov. ICCG2: Subprograms for the solution of a linear symmetric matrix equation arising from a 9-point discretization. *Computer Physics Communications*, 35(1–3):C–893–C–894, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829963>.

Amar:1989:MCS

- [AS89] Jacques G. Amar and Francis Sullivan. Monte Carlo simulation of domain growth in the kinetic Ising model on the connection machine. *Computer Physics Communications*, 55(3):287–295, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901264>.

Allen:1980:APY

- [ASM80] P. D. Allen, Su Su, and E. G. Muirhead. Analysis of photonuclear yield curves by the variable bin Penfold–Leiss method. *Computer Physics Communications*, 21(2):163–184, December 2, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900387>.

Allen:1984:APY

- [ASM84] P. D. Allen, Su Su, and E. G. Muirhead. Analysis of photonuclear yield curves by the variable bin penfold-leiss method. *Computer Physics Communications*, 35(1–3):C–656–C–657, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828167>.

Ahmad:1982:SMA

- [ASS82] K. Ahmad, R. A. Scott, and M. Sur. Stochastic modelling on the AP120B: An application to water resources planning. *Computer Physics Communications*, 27(1):91–95, July

1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900121>.

Assimakopoulos:1984:KTB

- [Ass84] P. A. Assimakopoulos. Kinematics of three-body reactions. *Computer Physics Communications*, 35(1-3):C-350, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825710>.

Aston:1987:TPM

- [Ast87] David Aston. Towards a personal mainframe. *Computer Physics Communications*, 45(1-3):191-194, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790155X>.

Abdallah:1984:CEI

- [AT84] Joseph Abdallah, Jr. and Donald G. Truhlar. Continuum exchange integrals for algebraic variational calculations of electron-atom scattering using Slater-type orbitals as basis functions. *Computer Physics Communications*, 35(1-3):C-314-C-315, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825400>.

Atakan:1985:DSD

- [Ata85] Ahmet K. Atakan. Determination of the strengths of doubled lines by the method of equivalent widths. *Computer Physics Communications*, 36(1):9-17, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900153>.

Atzeni:1986:DLS

- [Atz86] Stefano Atzeni. 2-D Lagrangian studies of symmetry and stability of laser fusion targets. *Computer Physics Communications*, 43(1):107-124, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900561>.

Auerbach:1984:TGO

- [Aue84] E. H. Auerbach. A-three: a general optical model code especially suited to heavy-ion calculations. *Computer Physics Communications*, 35(1-3):C-494-C-495, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826831>.

Aurela:1984:CSNa

- [Aur84a] A. M. Aurela. Counting a small number of radioactive atoms. *Computer Physics Communications*, 35(1-3):C-430, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826399>.

Aurela:1984:CSNb

- [Aur84b] A. M. Aurela. Counting a small number of radioactive atoms, second program. *Computer Physics Communications*, 35(1-3):C-555, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827307>.

Akylas:1984:MAC

- [AV84] V. R. Akylas and P. Vogel. Muonic atom cascade program. *Computer Physics Communications*, 35(1-3):C-506, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826910>.

Avery:1989:UNP

- [AW89] Paul Avery and Andrew White. UFMulti: a new parallel processing software system for HEP. *Computer Physics Communications*, 57(1-3):422-426, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902555>.

Arnot:1982:AID

- [AWB82] N. R. Arnot, G. G. Wilkinson, and R. E. Burge. Application of the ICL DAP for two-dimensional image processing. *Computer Physics Communications*, 26(3-4):455-457, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901424>.

Atkinson:1984:CAA

- [AWG84] G. D. Atkinson, Jr., J. B. Whitworth, and S. J. Gage. Computer-assisted analysis of gamma-ray spectra. *Computer Physics Communications*, 35(1-3):C-63, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823280>.

Akkermans:1987:EHF

- [AXG87] J. M. Akkermans, Shi Xiangjun, and H. Gruppelaar. Economizing Hauser-Feshbach model calculations in the continuum. *Computer Physics Communications*, 43(3):347-354, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790052X>.

Ayrjan:1983:FRM

- [AZK83] E. A. Ayrjan, E. P. Zhidkov, and B. N. Khoromsky. Fast relaxation method for solving the difference problem for the Poisson equation on a sequence of grids. *Computer Physics Communications*, 29(2):125-130, April 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900681>.

Brode:1986:OMP

- [BA86] Stefan Brode and Reinhart Ahlrichs. An optimized MD program for the vector computer Cyber 205. *Computer Physics Communications*, 42(1):51-57, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902304>.

Biel:1987:SAM

- [BAA⁺87] J. Biel, H. Areti, R. Atac, A. Cook, M. Fischler, I. Gaines, C. Kalisher, R. Hance, D. Husby, T. Nash, and T. Zmuda. Software for the ACP multiprocessor system. *Computer Physics Communications*, 45(1-3):331-337, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901706>.

Beeler:1987:ESC

- [BAG⁺87] F. Beeler, O. K. Andersen, O. Gunnarsson, O. Jepsen, and M. Scheffler. Electronic-structure calculation of point defects in silicon. *Computer Physics Communications*, 44(3):297–305, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900853>.

Baillie:1986:GFC

- [Bai86] C. F. Baillie. A general FORTRAN to C translator. *Computer Physics Communications*, 41(2–3):409–414, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900810>.

Baig:1987:SLT

- [Bai87] M. Baig. Simulation of the $\lambda\phi^4$ lattice theory on a loosely coupled array of processors. *Computer Physics Communications*, 47(2–3):181–186, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901044>.

Barnett:1981:ARI

- [Bar81a] A. R. Barnett. An algorithm for regular and irregular Coulomb and Bessel functions of real order to machine accuracy. *Computer Physics Communications*, 21(3):297–314, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic).

Barnett:1981:KCF

- [Bar81b] A. R. Barnett. Klein: Coulomb functions for real λ and positive energy to high accuracy. *Computer Physics Communications*, 24(2):141–159, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900886>.

Barnett:1982:CCB

- [Bar82] A. R. Barnett. COULFG: Coulomb and Bessel functions and their derivatives, for real arguments, by Steed's method. *Computer Physics Communications*, 27(2):147–166, August 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900704>.

Bartschat:1983:PCO

- [Bar83] K. Bartschat. Program to calculate observable quantities from scattering amplitudes for inelastic electron-atom collisions. *Computer Physics Communications*, 30(4):383–396, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900796>.

Barnard:1984:FFF

- [Bar84a] A. J. Barnard. FURI — a Fortran function writer. *Computer Physics Communications*, 35(1–3):C-429, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826387>.

Barnett:1984:CCB

- [Bar84b] A. R. Barnett. CoulfG: Coulomb and Bessel functions and their derivatives, for real arguments, by Steed's method. *Computer Physics Communications*, 35(1–3):C-812–C-813, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829306>.

Barnett:1984:KCF

- [Bar84c] A. R. Barnett. Klein: Coulomb functions for real λ and positive energy to high accuracy. *Computer Physics Communications*, 35(1–3):C-753, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828842>.

Barnett:1984:RMR

- [Bar84d] A. R. Barnett. RCWFF — a modification of the real Coulomb wavefunction program RCWFN. *Computer Physics Communications*, 35(1–3):C-370, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825850>.

Bartschat:1984:PCO

- [Bar84e] K. Bartschat. Program to calculate observable quantities from scattering amplitudes for inelastic electron-atom collisions. *Computer Physics Communications*, 35(1-3):C-924, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830222>.

Basrak:1987:CPD

- [Bas87a] Z. Basrak. A computer program for determining the complete reaction amplitude for two-body nuclear reactions involving zero-spin particles. *Computer Physics Communications*, 46(1):155-178, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900439>.

Basrak:1987:DPS

- [Bas87b] Z. Basrak. Determination of the physical scattering matrix from a complete set of ambiguous solutions of the scattering problem by using the shortest-path method. *Computer Physics Communications*, 46(1):179-186, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900440>.

Basrak:1987:RPO

- [Bas87c] Z. Basrak. A routine for parameter optimization using an accelerated grid-search method. *Computer Physics Communications*, 46(1):149-154, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900427>.

Bassler:1987:GEP

- [Bas87d] E. Bassler. The graphical editor program: GEP. *Computer Physics Communications*, 45(1-3):201-205, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901573>.

Baszenski:1988:ING

- [Bas88] G. Baszenski. Implementation of the NAG graphical supplement for IBM compatible personal computers. *Computer Physics Communications*, 50(1–2):217–223, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901270>.

Bates:1984:FCH

- [Bat84] G. N. Bates. A fixed core Hartree–Fock program for calculating bound and continuum orbitals. *Computer Physics Communications*, 35(1–3):C–276, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825072>.

Baas:1984:AID

- [BB84a] R. Ch. Baas and C. I. M. Beenakker. Analysis of the intensity distribution in the rotational structure of the electronic spectra of diatomic molecules by computer simulation. *Computer Physics Communications*, 35(1–3):C–277, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825084>.

Baig:1984:CHE

- [BB84b] M. Baig and C. Bourrely. Calculation of hadron elastic scattering amplitude from higher order reggeon field theory. *Computer Physics Communications*, 32(3):281–289, June 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900912>.

Basso:1984:AGP

- [BB84c] P. Basso and C. Bourrely. An algorithm generating permutations with identical objects. *Computer Physics Communications*, 35(1–3):C–46, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823127>.

Bartschat:1986:RMR

- [BB86] K. Bartschat and P. G. Burke. Resfit — a multichannel resonance fitting program. *Computer Physics Communications*, 41(1):75–84, July 1986. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900226>

Berrington:1984:GPC

- [BBC⁺84] K. A. Berrington, P. G. Burke, J. J. Chang, A. T. Chivers, W. D. Robb, and K. T. Taylor. A general program to calculate atomic continuum processes using the *R*-matrix method. *Computer Physics Communications*, 35(1-3):C-270-C-273, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825059>.

Bock:1987:PTP

- [BBC⁺87] R. Bock, R. Brun, O. Couet, J. C. Marin, R. Nierhaus, L. Pape, N. Saumon, C. Vandoni, and P. Zanarini. PAW — towards a physics analysis workstation. *Computer Physics Communications*, 45(1-3):181-190, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901548>.

Booth:1989:LSA

- [BBC⁺89] S. P. Booth, K. C. Bowler, D. J. Candlin, R. D. Kenway, B. J. Pendleton, A. M. Thornton, D. J. Wallace, J. Blair-Fish, and D. Roweth. Large scale applications of transputers in HEP: the Edinburgh Concurrent Supercomputer Project. *Computer Physics Communications*, 57(1-3):101-107, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901975>.

Bizeau:1989:UPA

- [BBD⁺89] C. Bizeau, A. Bogaerts, R. W. Dobinson, D. R. N. Jeffery, W. Lu, C. Parkman, and Y. Perrin. The use and possible abuse of transputer links. *Computer Physics Communications*, 57(1-3):301-308, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902324>.

Bahler:1981:CBM

- [BBE⁺81] P. Bahler, A. Bogaerts, C. Eck, M. Ferran, D. Jacobs, A. Lacourt, J. Ogilvie, H. Overas, and J. O. Petersen. Clusters of

16/32 bit minicomputers in high energy physics experiments at CERN. *Computer Physics Communications*, 22(2-3):285-292, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900618>.

Banks:1984:CCP

- [BBH⁺84] D. Banks, K. S. Barnes, P. E. Hughes, I. C. Percival, D. Richards, N. A. Valentine, and J. Mc. B. Wilson. Classical collisions of protons with hydrogen atoms. *Computer Physics Communications*, 35(1-3):C-427-C-428, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826375>.

Bingham:1988:AOS

- [BBH⁺88] R. Bingham, D. A. Bryant, D. S. Hall, J. M. Dawson, F. Kazeminejad, J. J. Su, and C. M. C. Nairn. AMPTE observations and simulation results. *Computer Physics Communications*, 49(1):257-266, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902342>.

Berrington:1984:NVG

- [BBL⁺84] K. A. Berrington, P. G. Burke, M. Le Dourneuf, W. D. Robb, K. T. Taylor, and Vo Ky Lan. A new version of the general program to calculate atomic continuum processes using the R-matrix method. *Computer Physics Communications*, 35(1-3):C-475-C-477, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826739>.

Baluja:1982:MPP

- [BBM82] K. L. Baluja, P. G. Burke, and L. A. Morgan. R-matrix propagation program for solving coupled second-order differential equations. *Computer Physics Communications*, 27(3):299-307, September 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901771>.

Baluja:1984:MPP

- [BBM84] K. L. Baluja, P. G. Burke, and L. A. Morgan. *R*-matrix propagation program for solving coupled second-order differential equations. *Computer Physics Communications*, 35(1–3): C–823, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829380>.

Bhowmick:1989:ICA

- [BBR89a] Siddhartha Bhowmick, Ranjan Bhattacharya, and Dhiranjan Roy. Iterations of convergence accelerating nonlinear transforms. *Computer Physics Communications*, 54(1):31–46, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558900301>.

Brun:1989:CSC

- [BBR89b] M. Brun, R. Brun, and A. A. Rademakers. CMZ — a source code management system. *Computer Physics Communications*, 57(1–3):235–238, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558902191>.

Beu:1983:PAS

- [BC83a] T. A. Beu and R. I. Câmpeanu. Prolate angular spheroidal wave functions. *Computer Physics Communications*, 30(2): 187–192, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900619>.

Beu:1983:PRS

- [BC83b] T. A. Beu and R. I. Câmpeanu. Prolate radial spheroidal wave functions. *Computer Physics Communications*, 30(2): 177–185, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900607>.

Beu:1984:PAS

- [BC84a] T. A. Beu and R. I. Câmpeanu. Prolate angular spheroidal wave functions. *Computer Physics Communications*, 35(1–3): C–909, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830088>.

Beu:1984:PRS

- [BC84b] T. A. Beu and R. I. Câmpeanu. Prolate radial spheroidal wave functions. *Computer Physics Communications*, 35(1-3):C-908, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830076>.

Braithwaite:1984:RRM

- [BC84c] W. J. Braithwaite and J. G. Cramer. The reduced rotation matrix. *Computer Physics Communications*, 35(1-3):C-142, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823966>.

Booth:1987:ESF

- [BC87] A. W. Booth and J. T. Carroll. An expert system for FASTBUS diagnosis. *Computer Physics Communications*, 45(1-3):67-76, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790141X>.

Barahona:1988:MGS

- [BC88a] Francisco Barahona and Adolfo Casari. On the magnetisation of the ground states in two dimensional Ising spin glasses. *Computer Physics Communications*, 49(3):417-421, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900021>.

Buzuloiu:1988:SIP

- [BC88b] V. Buzuloiu and D. Coltuc. Small image processing systems (performances, architectures, functions). *Computer Physics Communications*, 50(1-2):229-235, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901294>.

Browning:1985:SSD

- [BCC⁺85] D. J. Browning, G. M. Cain, N. P. Carmichael, F. G. Gouldstone, A. W. Wadsley, S. J. Webb, and P. Winder. Soft-

ware systems development in petroleum engineering. *Computer Physics Communications*, 38(2):301–308, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900943>.

Bacilieri:1989:SFO

- [BCC⁺89] P. Bacilieri, B. Caccia, R. Cardarelli, G. P. Carlucci, O. Ciafoni, M. Coli, G. Di Pirro, M. L. Ferrer, A. Ghiselli, A. Martini, G. Medici, G. Mirabelli, E. Pace, R. Santonico, L. Trasatti, E. Valente, and S. Valentini. Starnet, a fiber optic metropolitan area network with centralized control. *Computer Physics Communications*, 57(1–3):459–465, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902634>.

Butera:1987:HTE

- [BCCM87] P. Butera, R. Cabassi, M. Comi, and G. Marchesini. High temperature expansion via Schwinger–Dyson equations: The planar rotator model on a triangular lattice. *Computer Physics Communications*, 44(1–2):143–156, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900245>.

Bank:1989:IMS

- [BCD⁺89] R. E. Bank, W. M. Coughran, Jr., M. A. Driscoll, R. K. Smith, and W. Fichtner. Iterative methods in semiconductor device simulation. *Computer Physics Communications*, 53(1–3):201–212, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901604>.

Booth:1989:KBA

- [BCF⁺89] Alexander W. Booth, John T. Carroll, Robert Forster, Geriann Goeransson, Leif Gustafsson, and Norman Ho. A knowledge-based approach to network and module diagnosis. *Computer Physics Communications*, 57(1–3):332–338, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902385>.

Barnes:1985:PCM

- [BCFK85] L. A. Barnes, G. S. Chandler, B. N. Figgis, and D. C. Khan. A program to calculate magnetic form factors for transition metal systems. *Computer Physics Communications*, 36(4):373–382, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900268>.

Bhadra:1989:ZTL

- [BCKO89] S. Bhadra, M. Crombie, D. Kirkby, and R. S. Orr. The ZEUS third-level trigger system. *Computer Physics Communications*, 57(1–3):321–324, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558902361>.

Barkai:1983:WLC

- [BCM83a] D. Barkai, M. Creutz, and K. J. M. Moriarty. Wilson loop calculations in four-dimensional lattice gauge theory on the CDC Cyber 205. *Computer Physics Communications*, 30(1):13–19, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901170>.

Botten:1983:CZA

- [BCM83b] L. C. Botten, M. S. Craig, and R. C. McPhedran. Complex zeros of analytic functions. *Computer Physics Communications*, 29(3):245–259, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390005X>.

Batana:1984:AFI

- [BCM84a] Alicia Batana, Ernesto R. Conzalez, and Maria C. Monard. Analysis of Faradaic impedance experimental measurements. *Computer Physics Communications*, 35(1–3):C–574, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827484>.

Botten:1984:CZA

- [BCM84b] L. C. Botten, M. S. Craig, and R. C. McPhedran. Complex zeros of analytic functions. *Computer Physics Com-*

munications, 35(1–3):C–878–C–879, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829823>.

Barkai:1987:ADE

- [BCMR87] D. Barkai, M. Campostrini, K. J. M. Moriarty, and C. Rebbi. Applications development of the ETA-10. *Computer Physics Communications*, 46(1):13–33, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900348>

Brun:1989:PGP

- [BCVZ89] René Brun, Olivier Couet, Carlo E. Vandoni, and Pietro Zanarini. PAW, a general-purpose portable software tool for data analysis and presentation. *Computer Physics Communications*, 57(1–3):432–437, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902579>.

Bañuelos:1980:PCR

- [BD80a] Alicia Bañuelos and Ricardo Angel Depine. A program for computing the Riemann zeta function for complex argument. *Computer Physics Communications*, 20(3):441–445, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900211>.

Beniaminy:1980:SBM

- [BD80b] Israel Beniaminy and Moshe Deutsch. A spline-based method for experimental data deconvolution. *Computer Physics Communications*, 21(2):271–277, December 2, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900454>.

Beniaminy:1981:SBM

- [BD81] I. Beniaminy and M. Deutsch. A spline based method for experimental data deconvolution: Reply to a comment by H. Fredrikze and P. Verkerk. *Computer Physics Communications*, 24(1):9–10, September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190103X>.

Beniaminy:1982:ASH

- [BD82] Israel Beniaminy and Moshe Deutsch. ABEL: Stable, high accuracy program for the inversion of Abel's integral equation. *Computer Physics Communications*, 27(4):415–422, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901023>.

Banuelos:1984:PCR

- [BD84a] Alicia Bañuelos and Ricardo Angel Depine. A program for computing the Riemann zeta function for complex argument. *Computer Physics Communications*, 35(1–3):C–647, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828076>.

Beniaminy:1984:ASH

- [BD84b] Israel Beniaminy and Moshe Deutsch. Abel: Stable, high accuracy program for the inversion of Abel's integral equation. *Computer Physics Communications*, 35(1–3):C–828–C–829, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829422>.

Beniaminy:1984:SBM

- [BD84c] Israel Beniaminy and Moshe Deutsch. A spline-based method for experimental data deconvolution. *Computer Physics Communications*, 35(1–3):C–668–C–669, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828234>.

Bettels:1984:PGA

- [BD84d] J. Bettels and P. Dodd. A program for the generation of artificial bubble chamber events. *Computer Physics Communications*, 35(1–3):C–133, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823875> ■

Berg:1987:CFP

- [BD87] Bernd A. Berg and Alberto Devoto. Correlation functions from probability densities. *Computer Physics Communications*, 46(3):345–349, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900919>.

Bocciolini:1981:MDB

- [BdCP81] M. Bocciolini, G. di Caporiacco, and G. Parrini. A method for digitizing bubble chamber pictures. *Computer Physics Communications*, 22(2–3):375–382, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900734>.

Bird:1984:IER

- [BDD84] B. Bird, C. Daul, and P. Day. Inter-electron repulsion integrals for three-open-shell configurations in cubic symmetry. *Computer Physics Communications*, 35(1–3):C–468, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826685>.

Bardin:1984:CFE

- [BDG⁺84] C. Bardin, Y. Dandeu, L. Gauthier, J. Guillermin, T. Lena, J.-M. Pernet, H. H. Wolter, and T. Tamura. Coulomb functions in entire (η, π) -plane. *Computer Physics Communications*, 35(1–3):C–125–C–126, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823826>.

Booth:1989:EMC

- [BDJ⁺89] S. P. Booth, R. W. Dobinson, D. R. N. Jeffery, W. Lu, K. M. Storr, and A. Thornton. An evaluation of the Meiko computing surface for HEP Fortran farming. *Computer Physics Communications*, 57(1–3):486–491, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902695>.

Berends:1986:MCSa

- [BDK86a] F. A. Berends, P. H. Daverveldt, and R. Kleiss. Monte Carlo simulation of two-photon processes: I: Radiative corrections to multiperipheral $e^+e^-\mu^+\mu^-$ production. *Computer Physics Communications*, 40(2-3):271-284, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901141>.

Berends:1986:MCSb

- [BDK86b] F. A. Berends, P. H. Daverveldt, and R. Kleiss. Monte Carlo simulation of two-photon processes: II: Complete lowest order calculations for four-lepton production in electron-positron collisions. *Computer Physics Communications*, 40(2-3):285-307, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901153>.

Berends:1986:MCSc

- [BDK86c] F. A. Berends, P. H. Daverveldt, and R. Kleiss. Monte Carlo simulation of two-photon processes: III: Complete lowest order calculations for $e^+e^- \rightarrow e^+e^-\mu^+\mu^-$ with large angle tagging conditions. *Computer Physics Communications*, 40(2-3):309-326, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901165>.

Banuelos:1981:PCF

- [BDM81] Alicia Bañuelos, Ricardo Angel Depine, and Roberto Claudio Mancini. A program for computing the Fermi-Dirac functions. *Computer Physics Communications*, 21(3):315-322, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900126>.

Banuelos:1984:PCF

- [BDM84] Alicia Bañuelos, Ricardo Angel Depine, and Roberto Claudio Mancini. A program for computing the Fermi-Dirac functions. *Computer Physics Communications*, 35(1-3):C-670, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828246>.

Bonissent:1989:AIS

- [BE89] A. Bonissent and F. Etienne. Artificial intelligence steering for the interactive analysis of a high energy physics experiment. *Computer Physics Communications*, 57(1-3):447-451, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902609>.

Behrend:1981:FTC

- [Beh81] H.-J. Behrend. The fast trackfinder for the CELLO-experiment at DESY. *Computer Physics Communications*, 22(2-3):365-374, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900722>.

Behrens:1984:SSS

- [Beh84] H. Behrens. Summary of this summer school. *Computer Physics Communications*, 33(1-3):291-297, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901346>.

Beleznyay:1984:NSR

- [Bel84a] F. Beleznyay. Numerical solution of the radial Schrödinger equation. *Computer Physics Communications*, 35(1-3):C-144, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482398X>.

Bellard:1984:CCD

- [Bel84b] Sharon Bellard. The Cambridge Crystallographic Data Base. *Computer Physics Communications*, 33(1-3):71-78, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901085>.

Bolger:1984:WPH

- [BEM84] Joseph E. Bolger, Hunter Ellinger, and C. Fred Moore. Worker, a program for histogram manipulation. *Computer Physics Communications*, 35(1-3):C-545-C-546, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827228>.

Benard:1982:MPO

- [Ben82] Marc Benard. MATSUP: a program to obtain two-electron repulsion integrals from a sparse file of P supermatrix elements. *Computer Physics Communications*, 27(1):79–86, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900108>.

Benard:1984:MPO

- [Ben84a] Marc Benard. Matsup: a program to obtain two-electron repulsion integrals from a sparse file of $\&$ supermatrix elements. *Computer Physics Communications*, 35(1-3):C-809–C-810, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829288>.

Bengtsson:1984:LMC

- [Ben84b] H.-U. Bengtsson. The Lund Monte Carlo for high- pT physics. *Computer Physics Communications*, 31(4):323–355, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900183>.

Benz:1988:ASP

- [Ben88] Willy Benz. Applications of smooth particle hydrodynamics (SPH) to astrophysical problems. *Computer Physics Communications*, 48(1):97–105, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900276>.

Bernhardi:1980:IDM

- [Ber80] Karl Bernhardi. An improved deconvolution method for Bremsstrahlung spectra from hot plasmas. *Computer Physics Communications*, 19(1):17–21, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900612>.

Bergerhoff:1984:DBI

- [Ber84a] G. Bergerhoff. Data base for inorganic crystal structures. *Computer Physics Communications*, 33(1-3):79–84, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901097>.

Bermudez:1984:EFS

- [Ber84b] Victor M. Bermudez. Ellips — a Fortran simulation of a polarization-modulation ellipsometer. *Computer Physics Communications*, 35(1-3):C-426, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826351>.

Berendsen:1987:BAM

- [Ber87a] H. J. C. Berendsen. Biophysical applications of molecular dynamics. *Computer Physics Communications*, 44(3):233-242, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900786>.

Bergdolt:1987:CMT

- [Ber87b] G. Bergdolt. Clifford multiplication tables. *Computer Physics Communications*, 44(1-2):137-142, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900233>.

Bertrand:1987:DIA

- [Ber87c] D. Bertrand. The DELPHI interactive analysis and TANAGRA. *Computer Physics Communications*, 45(1-3):207-213, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901585>.

Barlow:1982:PAA

- [BES82] R. H. Barlow, D. J. Evans, and J. Shanehchi. Performance analysis of algorithms on asynchronous parallel processors. *Computer Physics Communications*, 26(3-4):233-236, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901102>.

Berrington:1987:CCC

- [BES⁺87] K. A. Berrington, W. B. Eissner, H. E. Saraph, M. J. Seaton, and P. J. Storey. A comparison of close-coupling calculations using UCL and QUB codes. *Computer Physics*

Communications, 44(1-2):105-119, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790021X>.

Betak:1984:PSC

- [Bet84] Emil Beták. Program for spectra and cross-section calculations within the pre-equilibrium model of nuclear reactions. *Computer Physics Communications*, 35(1-3):C-294, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825242>.

Browne:1984:EMR

- [BF84] E. Browne and F. R. Femenia. Electromagnetic M1 reduced transition probabilities for pure and mixed Nilsson states in odd A nuclei. *Computer Physics Communications*, 35(1-3):C-101, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823590>.

Berny:1989:AGS

- [BF89] L. Berny and H. Frese. Automatic generation of software detailed design documents for language programs. *Computer Physics Communications*, 57(1-3):476-477, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990266X>.

Barnett:1984:CWF

- [BFSG84] A. R. Barnett, D. H. Feng, J. W. Steed, and L. J. B. Goldfarb. Coulomb wave functions for all real η and ρ . *Computer Physics Communications*, 35(1-3):C-285, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825151>.

Bogdanova:1981:UOP

- [BG81] N. Bogdanova and V. Gadjokov. Use of orthonormal polynomials in calibration problems. *Computer Physics Communications*, 24(2):225-229, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900965>.

Barao:1989:DCP

- [BGG⁺89] F. Barao, C. Gaspar, Ph. Gavillet, J. Ph. Laugier, B. Martin, P. Moreau, M. Pimenta, M. Reis, and J. Varela. DELPHI's central partition. *Computer Physics Communications*, 57(1-3):358-363, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902439>.

Briggs:1989:CST

- [BGGW⁺89] D. Briggs, T. Glanzman, P. Grosse-Wiesmann, J. Tinsman, S. Holmgren, and M. W. Schaad. A calorimeter software trigger for the mark II detector at SLC. *Computer Physics Communications*, 57(1-3):273-277, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902270>.

Brower:1987:DSS

- [BGM87] R. Brower, R. Giles, and G. Maturana. Development of scientific software in the LISP machine environment. *Computer Physics Communications*, 45(1-3):427-431, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901858>.

Bacilieri:1981:MIR

- [BGMM81] P. Bacilieri, A. Ghiselli, P. Matteuzzi, and M. Masetti. A microprogrammed interactive refresh display system which can overlap digital and analogue data with hardware clipping facility. *Computer Physics Communications*, 22(2-3):231-237, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900540>.

Beatham:1984:MPC

- [BGMP84] N. Beatham, I. P. Grant, B. J. McKenzie, and N. C. Pyper. MCBP — a program to calculate angular coefficients of the Breit interaction between electrons in the low energy limit. *Computer Physics Communications*, 35(1-3):C-591-C-592, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827629>.

Belkic:1981:CTC

- [BGS81] Dz. Belkić, R. Gayet, and A. Salin. Computation of total cross-sections for electron capture in high energy ion-atom collisions. *Computer Physics Communications*, 23(2):153–167, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900308>.

Belkic:1983:CTC

- [BGS83] Dz. Belkić, R. Gayet, and A. Salin. Computation of total cross-sections for electron capture in high energy collisions. II. *Computer Physics Communications*, 30(2):193–205, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900620>.

Belkic:1984:CTCb

- [BGS84a] Dz. Belkić, R. Gayet, and A. Salin. Computation of total cross-sections for electron capture in high energy collisions. II. *Computer Physics Communications*, 35(1–3):C–910, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558483009X>.

Belkic:1984:CTCc

- [BGS84b] Dz. Belkić, R. Gayet, and A. Salin. Computation of total cross-sections for electron capture in high energy collisions. III. *Computer Physics Communications*, 32(4):385–397, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900559>.

Belkic:1984:CTCa

- [BGS84c] Dz. Belkić, R. Gayet, and A. Salin. Computation of total cross-sections for electron capture in high energy ion-atom collisions. *Computer Physics Communications*, 35(1–3):C–714–C–715, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482857X>.

Bakker:1981:PSS

- [BH81] M. Bakker and D. Hoonhout. A program to solve a solute diffusion problem with segregation at a moving interface. *Computer Physics Communications*, 22(4):439–450, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901417>.

Bernard:1982:VES

- [BH82] L. C. Bernard and F. J. Helton. A vectorizable eigenvalue solver for sparse matrices. *Computer Physics Communications*, 25(1):73–80, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900455>.

Bakker:1984:PSS

- [BH84a] M. Bakker and D. Hoonhout. A program to solve a solute diffusion problem with segregation at a moving interface. *Computer Physics Communications*, 35(1–3):C–696, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828453>.

Bernard:1984:VES

- [BH84b] L. C. Bernard and F. J. Helton. A vectorizable eigenvalue solver for sparse matrices. *Computer Physics Communications*, 35(1–3):C–769, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828970>.

Beard:1985:PPD

- [BH85a] S. J. Beard and R. W. Hockney. POT4A — a program for the direct solution of Poisson’s equation in complex geometries. *Computer Physics Communications*, 36(1):25–57, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900177>.

Brown:1985:FFP

- [BH85b] James W. Brown and Stanford B. Hooker. FIXSRC: a Fortran preprocessor. *Computer Physics Communications*, 38(3):435–440, December 1985. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901110>■

Bogdanova:1988:RPE

- [BH88] N. Bogdanova and H. Hogreve. A REDUCE package for exact Coulomb interaction matrix elements. *Computer Physics Communications*, 48(2):319–326, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900513>.

Burkitt:1989:PCA

- [BH89] Anthony N. Burkitt and Dieter W. Heermann. Parallelization of a cluster algorithm. *Computer Physics Communications*, 54(2-3):201–209, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900829>.

Bernard:1981:GMS

- [BHM81] L. C. Bernard, F. J. Helton, and R. W. Moore. GATO: An MHD stability code for axisymmetric plasmas with internal separatrices. *Computer Physics Communications*, 24(3-4):377–380, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901600>.

Bandyopadhyay:1984:GSI

- [BHSS84] S. Bandyopadhyay, J. G. Hughes, F. J. Smith, and K. Sen. A generalized scientific information system. *Computer Physics Communications*, 33(1-3):49–53, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901061>.

Bengtsson:1985:ILM

- [BI85] H.-U. Bengtsson and G. Ingelman. Improved Lund Monte Carlo for high- p_T physics. *Computer Physics Communications*, 34(3):251–270, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900037>■

- Bienstock:1983:PCL**
- [Bie83] S. Bienstock. A program for the calculation of Landau–Zener cross sections and rate coefficients. *Computer Physics Communications*, 29(4):333–339, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900127>.
- Bienstock:1984:PCL**
- [Bie84] S. Bienstock. A program for the calculation of Landau–Zener cross sections and rate coefficients. *Computer Physics Communications*, 35(1–3):C-885, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829884>.
- Billing:1984:RCC**
- [Bil84] G. D. Billing. Rate constants and cross sections for vibrational transitions in atom-diatom and diatom-diatom collisions. *Computer Physics Communications*, 32(1):45–62, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900079>.
- Billing:1987:RCV**
- [Bil87] G. D. Billing. Rate constants for vibrational transitions in diatom-diatom collisions. *Computer Physics Communications*, 44(1–2):121–136, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900221>.
- Billoir:1989:PTR**
- [Bil89] Pierre Billoir. Progressive track recognition with a kalman-like fitting procedure. *Computer Physics Communications*, 57(1–3):390–394, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990249X>.
- Bingham:1987:ACF**
- [Bin87] D. Bingham. An approximation to the calculation of the force in molecular dynamic simulations. *Computer Physics Communications*, 43(2):203–207, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902050>.

Bird:1985:LTD

- [Bir85] Peter L. Bird. Linear time detection of inherent parallelism in sequential programs. *Computer Physics Communications*, 37(1-3):69-76, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901377>

Burke:1981:FSMa

- [BJ81a] V. M. Burke and C. Jackson. A Fortran system to maintain a program library: 1. Storage of the program decks in magnetic tape files. *Computer Physics Communications*, 22(1):59-75, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900795>.

Burke:1981:FSMb

- [BJ81b] V. M. Burke and C. Jackson. A Fortran system to maintain a program library: 2. Retrieval of program decks from the library files. *Computer Physics Communications*, 22(1):77-84, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900801>.

Burke:1984:FSMa

- [BJ84a] V. M. Burke and C. Jackson. A Fortran system to maintain a program library: 1. Storage of the program decks in magnetic tape files. *Computer Physics Communications*, 35(1-3):C-685, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828362>.

Burke:1984:FSMb

- [BJ84b] V. M. Burke and C. Jackson. A Fortran system to maintain a program library: 2. Retrieval of program decks from the library files. *Computer Physics Communications*, 35(1-3):C-686, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828374>.

Boissat:1989:MHI

- [BJM89] C. Boissat, R. Jones, and G. Mornacchi. The model human interface. *Computer Physics Communications*, 57(1-3):512-515,

December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902762>.

Beck:1984:CGW

- [BK84a] Robert E. Beck and Bernard Kolman. Computer generated Weyl groups. *Computer Physics Communications*, 35(1-3):C-134, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823887>.

Beck:1984:ROM

- [BK84b] Robert E. Beck and Bernard Kolman. Racah's outer multiplicity formula. *Computer Physics Communications*, 35(1-3):C-265, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824996>.

Bleris:1983:PPS

- [BKD83] G. L. Bleris, Th. Karakostas, and P. Delavignette. A programming package for the study of high angle grain boundaries by using TEM. *Computer Physics Communications*, 28(3):287-297, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900462>.

Bleris:1984:PPS

- [BKD84] G. L. Bleris, Th. Karakostas, and P. Delavignette. A programming package for the study of high angle grain boundaries by using TEM. *Computer Physics Communications*, 35(1-3):C-853, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829628>.

Bohr:1983:FSL

- [BKHJ83] H. Bohr, E. Katznelson, F. Hansen, and K. Jensen. Fast simulation of lattice systems. *Computer Physics Communications*, 30(4):337-347, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900759>.

Berends:1983:MCS

- [BKJ83] F. A. Berends, R. Kleiss, and S. Jadach. Monte Carlo simulation of radiative corrections to the processes $e^+e^- \rightarrow \mu^+\mu^-$ and $e^+e^- \rightarrow qq$ in the Z_0 region. *Computer Physics Communications*, 29(2):185–200, April 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900735>.

Berends:1984:MCS

- [BKJ84] F. A. Berends, R. Kleiss, and S. Jadach. Monte Carlo simulation of radiative corrections to the processes $e^+e^- \rightarrow \mu^+\mu^-$ and $e^+e^- \rightarrow q$ in the Z_0 region. *Computer Physics Communications*, 35(1-3):C-874, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829781>.

Bisseling:1986:MID

- [BKK86] R. H. Bisseling, R. Kosloff, and D. Kosloff. Multidimensional interpolation and differentiation based on an accelerated sinc interpolation procedure. *Computer Physics Communications*, 39(3):313–332, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900937>.

Brackbill:1988:FLD

- [BKR88] J. U. Brackbill, D. B. Kothe, and H. M. Ruppel. Flip: a low-dissipation, particle-in-cell method for fluid flow. *Computer Physics Communications*, 48(1):25–38, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900203>.

Balint-Kurti:1980:EPC

- [BKvLSE80] G. G. Balint-Kurti, J. H. van Lenthe, R. Saktreger, and L. Eno. Edwin — a program for calculating inelastic molecular collision cross sections using the exponential distorted wave and related approximate methods. *Computer Physics Communications*, 19(3):359–375, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900892>.

Balint-Kurti:1984:EPC

- [BKvLSE84] G. G. Balint-Kurti, J. H. van Lenthe, R. Saktreger, and L. Eno. Edwin — a program for calculating inelastic molecular collision cross sections using the exponential distorted wave and related approximate methods. *Computer Physics Communications*, 35(1–3):C–625–C–626, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827897>.

Boeyens:1986:SMR

- [BL86] J. C. A. Boeyens and D. C. Levendis. Simulation of molecular reorientation in crystals. *Computer Physics Communications*, 39(2):221–231, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901335>.

Blenski:1988:ISM

- [BL88] Tomasz Błęński and Jacques Ligou. An improved shooting method for one-dimensional Schrödinger equation. *Computer Physics Communications*, 50(3):303–311, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901865>.

Blake:1984:CLE

- [Bla84] R. J. Blake. Calculation of low energy atomic diffraction (LEAD) intensities. *Computer Physics Communications*, 33(4):425–444, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901486>.

Blanc:1988:MIC

- [Bla88] Michel Blanc. Magnetosphere-ionosphere coupling. *Computer Physics Communications*, 49(1):103–118, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902196>.

Burshtein:1988:TIR

- [BLB88] Z. Burshtein, D. Levron, and G. Bialolenker. Thermally induced refractive index gradients in a dye-laser cell. *Com-*

puter Physics Communications, 51(3):349–353, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901476>.

Barnes:1988:KSL

- [BLM⁺88] D. C. Barnes, H. R. Lewis, Z. Mikic, J. L. Schwartzmeier, and J. Staudemeier. Kinetic stability of large-scale MHD modes. *Computer Physics Communications*, 48(1):145–147, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890032X>.

Bacilieri:1981:AAH

- [BLMU81] P. Bacilieri, M. L. Luvisetto, M. Masetti, and E. Ugolini. Automatic analysis of a huge amount of pictures related to a spark chamber experiment of the Milano–Dubna collaboration. *Computer Physics Communications*, 22(2–3):273–277, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190059X>.

Bloch:1982:LCSa

- [Blo82a] T. Bloch. Large computer systems and new architectures. *Computer Physics Communications*, 26(1–2):125–145, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901655>.

Bloch:1982:LCSb

- [Blo82b] T. Bloch. Large computer systems and new architectures addendum. *Computer Physics Communications*, 26(1–2):147–152, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901667>.

Blobel:1989:DP

- [Blo89] Volker Blobel. From DST to publication. *Computer Physics Communications*, 57(1–3):148–155, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990204X>.

Bhanot:1982:FAM

- [BLR82] Gyan Bhanot, Christian B. Lang, and Claudio Rebbi. A fast algorithm for Monte Carlo simulations of 4-d lattice gauge theories with finite groups. *Computer Physics Communications*, 25(3):275–287, March 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900236>.

Bhanot:1984:FAM

- [BLR84] Gyan Bhanot, Christian B. Lang, and Claudio Rebbi. A fast algorithm for Monte Carlo simulations of 4-d lattice gauge theories with finite groups. *Computer Physics Communications*, 35(1–3):C-789–C-790, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829148>.

Blum:1981:SCE

- [BLT81] J. Blum, J. Le Foll, and B. Thooris. The self-consistent equilibrium and diffusion code *sced*. *Computer Physics Communications*, 24(3–4):235–254, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901491>.

Barkai:1982:CMC

- [BM82a] D. Barkai and K. J. M. Moriarty. Can the Monte Carlo method for lattice gauge theory calculations be effectively vectorized? *Computer Physics Communications*, 27(2):105–111, August 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900662>.

Barkai:1982:VMCa

- [BM82b] D. Barkai and K. J. M. Moriarty. Vectorizing the Monte Carlo algorithm for lattice gauge theory calculations on the CDC Cyber 205. *Computer Physics Communications*, 25(1):57–62, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900431>.

Barkai:1982:VMCb

- [BM82c] D. Barkai and K. J. M. Moriarty. Vectorizing the Monte Carlo algorithm for lattice gauge theory calculations on the CDC Cyber 205. *Computer Physics Communications*, 26(3-4):477-479, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901461>.

Barkai:1984:VMC

- [BM84a] D. Barkai and K. J. M. Moriarty. Vectorizing the Monte Carlo algorithm for lattice gauge theory calculations on the CDC Cyber 205. *Computer Physics Communications*, 35(1-3):C-766-C-767, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828957>.

Brundrit:1984:CFE

- [BM84b] G. B. Brundrit and M. J. Mketinac. Calculation of the form of an equilibrium poloidal magnetic field contained in a polytropic star. *Computer Physics Communications*, 35(1-3):C-389, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826016>.

Bossavit:1985:APT

- [BM85a] Alain Bossavit and Bertrand Meyer. An application of program transformation to supercomputer programming. *Computer Physics Communications*, 37(1-3):27-38, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590133X>.

Bowgen:1985:IFD

- [BM85b] G. S. J. Bowgen and J. J. Modi. Implementation of QR factorization on the DAP using Householder transformations. *Computer Physics Communications*, 37(1-3):167-170, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901493>.

Barkai:1986:ADC

- [BM86] D. Barkai and K. J. M. Moriarty. Applications development on the CDC CYBER 205. *Computer Physics Communica-*

tions, 40(2–3):159–171, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901050>.

Brackbill:1988:P

- [BM88] Jeremiah Brackbill and Joseph Monaghan. Preface. *Computer Physics Communications*, 48(1):xi–xii, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890015X>.

Buxton:1985:SMA

- [BMBW85] B. F. Buxton, D. W. Murray, H. Buxton, and N. S. Williams. Structure-from-motion algorithms for computer vision on an SIMD architecture. *Computer Physics Communications*, 37(1–3):273–280, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901626>.

Brower:1985:PDN

- [BMG⁺85] R. C. Brower, G. Maturana, R. C. Giles, K. J. M. Moriarty, and S. Samuel. Proton decay: Numerical simulations confront grand unification. *Computer Physics Communications*, 38(1):9–14, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900402>.

Boley:1989:PQA

- [BMK89] Daniel Boley, Robert Maier, and Joung Kim. A parallel QR algorithm for the nonsymmetric eigenvalue problem. *Computer Physics Communications*, 53(1–3):61–70, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901483>.

Barkai:1984:HOV

- [BMR84] D. Barkai, K. J. M. Moriarty, and C. Rebbi. A highly optimized vectorized code for Monte Carlo simulations of Su(3) lattice gauge theories. *Computer Physics Communications*, 32(1):1–9, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490002X>.

Barkai:1985:LGC

- [BMR85a] D. Barkai, K. J. M. Moriarty, and C. Rebbi. Lattice gauge calculation in particle theory. *Computer Physics Communications*, 36(3):241–247, May 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900542>

Barkai:1985:MCG

- [BMR85b] D. Barkai, K. J. M. Moriarty, and C. Rebbi. A modified conjugate gradient solver for very large systems. *Computer Physics Communications*, 36(1):1–8, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900141>.

Barkai:1985:STH

- [BMR85c] D. Barkai, K. J. M. Moriarty, and C. Rebbi. Supercomputers in theoretical high-energy physics. *Computer Physics Communications*, 38(1):1–7, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900396>.

Batana:1987:LTG

- [BMS87] Alicia Batana, María C. Monard, and María Rosario Soriano. Low temperature Grüneisen parameter of cubic ionic crystals. *Computer Physics Communications*, 43(3):399–411, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900579>.

Bacchus-Montabonel:1983:NAT

- [BMV83] M. C. Bacchus-Montabonel and P. Vermeulin. Non-adiabatic transformation of quantum-chemistry energy hypersurfaces. *Computer Physics Communications*, 30(2):163–167, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900589>.

Bacchus-Montabonel:1984:NAT

- [BMV84] M. C. Bacchus-Montabonel and P. Vermeulin. Non-adiabatic transformation of quantum-chemistry energy hypersurfaces.

Computer Physics Communications, 35(1-3):C-906, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830052>.

Beppu:1981:NFE

- [BN81] Yoshitaka Beppu and Ichizo Ninomiya. Nicer — fast eigenvalue routines. *Computer Physics Communications*, 23(2):123-126, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900266>.

Bajla:1980:ARA

- [BO80] I. Bajla and G. A. Ososkov. Application of REDUCE-2 algebraic manipulation system in calibration problems of track chamber picture processing devices. *Computer Physics Communications*, 20(1):81-83, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901125>.

Bock:1987:SIL

- [Boc87] R. K. Bock. Software issues for large detectors. *Computer Physics Communications*, 45(1-3):15-25, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901378>.

Bock:1989:BTH

- [Boc89] R. K. Bock. Bringing together high energy physicist and computer scientist: a summary of the Oxford Conference on Computing in High Energy Physics. *Computer Physics Communications*, 57(1-3):1-7, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901859>.

Bok:1984:SAC

- [Bok84] J. Bok. A subroutine for approximation by cubic splines in the least squares sense. *Computer Physics Communications*, 35(1-3):C-524, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827058>.

Boreham:1982:PCC

- [Bor82] B. W. Boreham. PROION: a code for calculating ionisation threshold intensities and ionisation periods in high-intensity-laser irradiation plasmas. *Computer Physics Communications*, 27(1):65–71, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290008X>

Boreham:1984:PCC

- [Bor84] B. W. Boreham. Proion: a code for calculating ionisation threshold intensities and ionisation periods in high-intensity-laser irradiated plasmas. *Computer Physics Communications*, 35(1–3):C–807, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829264>

Bornat:1989:SAB

- [Bor89] R. Bornat. SASD — all bubbles and no code. *Computer Physics Communications*, 57(1–3):562, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902932>.

Bose:1983:CCO

- [Bos83] A. K. Bose. Computation of Casimir operator eigenvalues. *Computer Physics Communications*, 28(3):271–274, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900449>.

Bose:1984:CCO

- [Bos84] A. K. Bose. Computation of Casimir operator eigenvalues. *Computer Physics Communications*, 35(1–3):C–851, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829604>.

Bouanich:1986:AVM

- [BOT86] J. P. Bouanich, J. F. Ogilvie, and R. H. Tipping. Analytic vibrational matrix elements for diatomic molecules. *Computer Physics Communications*, 39(3):439–446, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901001>.

Bouanich:1987:AVR

- [Bou87] J. P. Bouanich. Analytic vibration-rotational matrix elements for diatomic molecules. *Computer Physics Communications*, 47(2-3):259-266, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901123>.

Baylis:1982:PCF

- [BP82a] W. E. Baylis and S. J. Peel. A predictor-corrector form of the Numerov method for coupled equations. *Computer Physics Communications*, 25(1):7-19, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290039X>.

Baylis:1982:PPC

- [BP82b] W. E. Baylis and S. J. Peel. A program for the predictor-corrector Numerov method. *Computer Physics Communications*, 25(1):21-28, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900406>.

Baylis:1984:PPC

- [BP84a] W. E. Baylis and S. J. Peel. A program for the predictor-corrector Numerov method. *Computer Physics Communications*, 35(1-3):C-762, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828921>.

Baylis:1984:LMH

- [BP84b] W. E. Baylis and Atul D. Pradhan. Locating minima of a hypersurface: a modification of the Levenberg-Marquardt method. *Computer Physics Communications*, 31(4):297-301, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900146>.

Bleris:1984:PSS

- [BP84c] G. L. Bleris and Ch. Polatoglou. A program for the study of short range order of binary alloys. *Computer Physics Communications*, 35(1-3):C-413, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826223>.

Bradly:1984:CCC

- [BP84d] D. L. Bradly and R. Perrin. Colour coordinate calculations. *Computer Physics Communications*, 35(1-3):C-312, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825382>.

Bent:1984:VPA

- [BPA84] Michael F. Bent, Börje I. Persson, and David G. Agresti. Versatile program for analysis of Mössbauer spectra. *Computer Physics Communications*, 35(1-3):C-11, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482281X>.

Bohr:1986:PCL

- [BPR⁺86] H. Bohr, T. Petersen, B. Rathjen, E. Katznelson, and A. Nobile. Parallel computations of lattice models in physics. *Computer Physics Communications*, 42(1):11-19, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902249>.

Bok:1988:UCC

- [BPSB88] J. Bok, P. Praus, J. Stepanek, and V. Baumruk. A universal computer-controlled UV-VIS spectrometer with high resolution monochromator. *Computer Physics Communications*, 50(1-2):225-228, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901282>.

Banks:1984:CMP

- [BPW84a] D. Banks, I. C. Percival, and J. McB. Wilson. Classical motion of 2 particles (eva2 edition 01). *Computer*

Physics Communications, 35(1-3):C-137, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823917>.

Banks:1984:CRMa

- [BPW84b] D. Banks, I. C. Percival, and J. McB. Wilson. Classical relative motion of 2 particles. *Computer Physics Communications*, 35(1-3):C-71, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482336X>.

Banks:1984:CRMb

- [BPW84c] D. Banks, I. C. Percival, and J. McB. Wilson. Classical relative motion of 2 particles (error edition 02). *Computer Physics Communications*, 35(1-3):C-136, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823905>.

Birss:1985:CAA

- [BR85] F. W. Birss and D. A. Ramsay. Computer assistance in the analysis of molecular spectra: I. Rotational structure of high resolution singlet-singlet bands. *Computer Physics Communications*, 38(1):83-112, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900487>.

Braithwaite:1984:ALP

- [Bra84a] W. J. Braithwaite. Associated Legendre polynomials, ordinary and modified spherical harmonics. *Computer Physics Communications*, 35(1-3):C-192, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824376>.

Braithwaite:1984:RKTb

- [Bra84b] W. J. Braithwaite. Relativistic kinematics for three-body final states. *Computer Physics Communications*, 35(1-3):C-155, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824066>.

Braithwaite:1984:RKTa

- [Bra84c] W. J. Braithwaite. Relativistic kinematics for two-body final states. *Computer Physics Communications*, 35(1-3):C-153-C-154, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824054>.

Braunschweig:1984:IRM

- [Bra84d] D. Braunschweig. II. Reduced SU(3) matrix elements. *Computer Physics Communications*, 35(1-3):C-502-C-503, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826880>.

Braunschweig:1984:RC

- [Bra84e] D. Braunschweig. Reduced SU(3) CFP's. *Computer Physics Communications*, 35(1-3):C-455, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826582>.

Bransden:1986:BRB

- [Bra86] B. H. Bransden. Book review: *Vector and Parallel Processors in Computational Science*: Proceedings of the 2nd International Conference, Oxford, 28-31 August 1984. Eds. I. S. Duff and J. K. Reid, North-Holland, Amsterdam, 1985. 386 pages. Dfl. 225.00. *Computer Physics Communications*, 41(1):193, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900305>.

Brackbill:1987:MAM

- [Bra87a] J. U. Brackbill. On modelling angular momentum and vorticity in compressible fluid flow. *Computer Physics Communications*, 47(1):1-16, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900634>.

Brandt:1987:NNC

- [Bra87b] Lawrence E. Brandt. The NSF national computing centers: Past, present, and future. *Computer Physics Communications*, 45(1-3):147-148, August 1, 1987. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901494>

Bhattacharya:1989:RLT

- [BRB89] Ranjan Bhattacharya, Dhiranjan Roy, and Siddhartha Bhowmick. On the regularity of the Levin U -transform. *Computer Physics Communications*, 55(3):297–301, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901276>.

Brix:1986:FSC

- [Bri86] H. Brix. Formal specification and construction techniques for the development of programs with guaranteed properties. *Computer Physics Communications*, 41(2–3):245–257, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900688>.

Bromage:1983:QHF

- [Bro83] G. E. Bromage. A quantification of the hazards of fitting sums of exponentials to noisy data. *Computer Physics Communications*, 30(3):229–233, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900899>.

Brody:1984:RNG

- [Bro84] T. A. Brody. A random-number generator. *Computer Physics Communications*, 34(1–2):39–46, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901577>.

Brody:1989:RNG

- [Bro89] T. A. Brody. Random-number generation for parallel processors. *Computer Physics Communications*, 56(2):147–153, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900167>.

Bañuelos:1984:PCA

- [BRT84] Alicia Bañuelos and Felix Rodriguez-Trelles. A program for calculating the angular distribution of nonrelativistic Bremsstrahlung intensity. *Computer Physics Communications*, 35(1–3):C–489, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826806>.

Bañuelos:1984:EHF

- [BRTB84] Alicia Bañuelos, Felix Rodriguez-Trelles, and Luis Bilbao. Extension to high frequencies of a program for calculating the angular distribution of nonrelativistic Bremsstrahlung. *Computer Physics Communications*, 35(1–3):C–556, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827319>.

Brut:1985:FSO

- [Bru85] F. Brut. A function subprogram in order to calculate the matrix elements of rotation operators. *Computer Physics Communications*, 36(2):213–217, April 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901249>.

Brut:1986:FVF

- [Bru86] F. Brut. A FORTRAN 77 version of “A function subprogram in order to calculate the matrix elements of rotation operators”. *Computer Physics Communications*, 39(2):297–299, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901396>.

Bell:1980:CFN

- [BS80] K. L. Bell and N. S. Scott. Coulomb functions (negative energies). *Computer Physics Communications*, 20(3):447–458, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900223>.

Bartschat:1983:ASE

- [BS83] K. Bartschat and N. S. Scott. Amplitudes for scattering of electrons by atomic systems including relativistic effects.

Computer Physics Communications, 30(4):369–381, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900784>.

Bartschat:1984:ASE

- [BS84a] K. Bartschat and N. S. Scott. Amplitudes for scattering of electrons by atomic systems including relativistic effects. *Computer Physics Communications*, 35(1–3):C–923, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830210>.

Bell:1984:CFN

- [BS84b] K. L. Bell and N. S. Scott. Coulomb functions (negative energies). *Computer Physics Communications*, 35(1–3):C–648, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828088>.

Brocklehurst:1984:CLC

- [BS84c] M. Brocklehurst and M. Salem. Computation of line and continuum radiation from thermal radio astronomical sources. *Computer Physics Communications*, 35(1–3):C–306–C–307, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825345>.

Brocklehurst:1984:RRL

- [BS84d] M. Brocklehurst and M. Salem. Radio recombination lines from H^+ regions and cold interstellar clouds-computation of the b_n factors. *Computer Physics Communications*, 35(1–3):C–411–C–412, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826211>.

Boyd:1986:FUP

- [BS86a] K. M. H. Boyd and N. S. Scott. FTIDY — a utility program for FORTRAN 77 programs. *Computer Physics Communications*, 39(3):421–430, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900986> ■

Bunk:1986:PRM

- [BS86b] B. Bunk and R. Sommer. An 8 parameter representation of SU(3) matrices and its application for simulating lattice QCD. *Computer Physics Communications*, 40(2–3):229–232, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901116>.

Bengtsson:1987:LMC

- [BS87] Hans-Uno Bengtsson and Torbjörn Sjöstrand. The lund Monte Carlo for hadronic processes — PYTHIA version 4.8. *Computer Physics Communications*, 46(1):43–82, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900361>.

Beu:1986:GCM

- [BSA86] T. A. Beu, D. I. Simionovici, and V. N. Anghel. Grenade — a coarse-mesh reactor physics program to solve the static diffusion equation for neutrons. *Computer Physics Communications*, 42(2):197–216, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900378>.

Bermejo:1987:SFC

- [BSdlT87] F. J. Bermejo, J. Santoro, and L. Sainz de los Terreros. SQSIMUL: a FORTRAN code for the computation of squeezing properties and photon statistics in multiphoton processes. *Computer Physics Communications*, 43(2):245–256, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902098>.

Bhanot:1988:FVP

- [BSDM88] Gyan Bhanot, Román Salvador, Dennis Duke, and K. J. M. Moriarty. A fast vectorized program for the CDC Cyber 205 to simulate the Ising spin glass in three dimensions. *Computer Physics Communications*, 49(3):465–474, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900070>.

Bar-Shalom:1988:NEP

- [BSK88] A. Bar-Shalom and M. Klapisch. NJGRAF — an efficient program for calculation of general recoupling coefficients by graphical analysis, compatible with NJSYM. *Computer Physics Communications*, 50(3):375–393, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901920>.

Bastien:1984:TMP

- [BSP84] P. L. Bastien, J. N. Snyder, and V. Pless. A track matching program for bubble chamber photographs. *Computer Physics Communications*, 35(1–3):C–106, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823644>.

Beu:1985:TTP

- [BSV+85] T. A. Beu, F. Spineanu, M. Vlad, R. I. Câmpeanu, and I. I. Popescu. Topic — a tokamak plasma impurities code. *Computer Physics Communications*, 36(2):161–176, April 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901213>.

Barnsley:1981:BMN

- [BT81] M. Barnsley and G. Turchetti. Bounding methods in nuclear physics. *Computer Physics Communications*, 22(2–3):325–343, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900680>.

Berrington:1982:ACC

- [BT82] K. A. Berrington and K. T. Taylor. Atomic collision calculations. *Computer Physics Communications*, 26(3–4):397–410, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901345>.

Boettger:1984:MIC

- [BT84a] J. C. Boettger and S. B. Trickey. Multiparameter iterative convergence accelerator for crystalline LCGTO calculations. *Computer Physics Communications*, 32(4):361–365, July

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900535>.

Burke:1984:PCR

- [BT84b] P. G. Burke and C. Tate. A program for calculating Regge trajectories in potential scattering. *Computer Physics Communications*, 35(1-3):C-13, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822833>.

Brecht:1988:MSU

- [BT88] Stephen H. Brecht and Vincent A. Thomas. Multidimensional simulations using hybrid particles codes. *Computer Physics Communications*, 48(1):135-143, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900318>.

Biddulph:1989:IMI

- [BT89] Phillip Biddulph and Graham Thompson. Improved modelling of independent parton hadronization. *Computer Physics Communications*, 54(1):13-21, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900283>.

Brandt:1984:PAC

- [BTS84a] Maynard A. Brandt, Donald G. Truhlar, and Richard L. Smith. Program ACRL to calculate differential and integral cross sections adapted to run on IBM computers. *Computer Physics Communications*, 35(1-3):C-234, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824728>.

Brandt:1984:PCD

- [BTS84b] Maynard A. Brandt, Donald G. Truhlar, and Richard L. Smith. Program for calculating differential and integral cross sections for quantum mechanical scattering problems from reactance or transition matrices. *Computer Physics*

Communications, 35(1-3):C-201-C-202, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824443>.

Badavi:1987:ASN

- [BTWN87] Forooz F. Badavi, Lawrence W. Townsend, John W. Wilson, and John W. Norbury. An algorithm for a semiempirical nuclear fragmentation model. *Computer Physics Communications*, 47(2-3):281-294, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901147>.

Buckley:1983:CCC

- [Buc83] A. Buckley. CONCON: a code for constrained minimization without derivative computation. *Computer Physics Communications*, 29(3):231-236, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900036>.

Buckley:1984:CCC

- [Buc84] A. Buckley. Concon: a code for constrained minimization without derivative computation. *Computer Physics Communications*, 35(1-3):C-876, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482980X>.

Buckle:1985:MTS

- [Buc85] J. K. Buckle. Methods and tools for system design. *Computer Physics Communications*, 38(2):165-171, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900827>.

Bunz:1986:ICC

- [Bun86] H. Bunz. Identification of clusters in computer experiments with periodic boundary conditions. *Computer Physics Communications*, 42(3):435-439, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900111>.

Burke:1984:PCG

- [Bur84] P. G. Burke. A program to calculate a general recoupling coefficient. *Computer Physics Communications*, 35(1-3):C-30, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822985>.

Burke:1985:E

- [Bur85a] P. G. Burke. Editorial. *Computer Physics Communications*, 36(1):ix, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590013X>.

Burton:1985:SFE

- [Bur85b] C. G. Burton. The solution of finite element equations on the Floating Point Systems FPS-164 Attached Processor. *Computer Physics Communications*, 37(1-3):171-180, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590150X>.

Burnett:1987:IID

- [Bur87] T. H. Burnett. IDA: An interactive data analysis environment for high energy physics. *Computer Physics Communications*, 45(1-3):195-199, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901561>.

Buttle:1984:DPH

- [But84] P. J. A. Buttle. DWBA program for heavy ion transfer reactions. *Computer Physics Communications*, 35(1-3):C-458, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826600>.

Butler:1989:PNA

- [But89] J. W. Butler. A proposed new approach to the expansion of mathematical functions. *Computer Physics Communications*, 54(2-3):221-234, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900842>.

Buzbee:1985:AMM

- [Buz85] B. L. Buzbee. Applications of MIMD machines. *Computer Physics Communications*, 37(1-3):1-5, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901304>.

Bakker:1980:PSR

- [BV80] M. Bakker and M. S. Van Den Berg. A program to solve rotating plasma problems. *Computer Physics Communications*, 20(3):429-439, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090020X>.

Bakker:1984:PSR

- [BV84] M. Bakker and M. S. Van Den Berg. A program to solve rotating plasma problems. *Computer Physics Communications*, 35(1-3):C-646, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828064>.

Blake:1985:DPM

- [BvEF85] Julian Blake, Horst von Eicken, and David Foster. Developing programs for the Motorola 68000 microprocessor at CERN. *Computer Physics Communications*, 38(2):315-318, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900967>.

Belic:1984:NEA

- [BVL84] Milivoj R. Belić, Slobodan Vuković, and Melvin Lax. New efficient algorithm for solution of the driven nonlinear Schrödinger equation. *Computer Physics Communications*, 32(3):239-243, June 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900882>.

Brandt:1984:MCR

- [BvSW84] J. Brandt, A. von Scholley, and M. Wochner. Making chemical reaction data accessible to the non-chemist. *Computer Physics Communications*, 33(1-3):197-203, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901218>.

Burgess:1987:BPE

- [BW87] Alan Burgess and Colm T. Whelan. Betrt — a procedure to evaluate the cross section for electron-hydrogen collisions in the Bethe approximation to the reactance matrix. *Computer Physics Communications*, 47(2-3):295–304, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901159>.

Bacic:1988:LRL

- [BWBL88] Z. Bacić, R. M. Whitnell, D. Brown, and J. C. Light. Localized representations for large amplitude molecular vibrations. *Computer Physics Communications*, 51(1-2):35–47, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900604>.

Bhattacharjee:1984:VMT

- [BWD84] A. Bhattacharjee, J. C. Wiley, and R. L. Dewar. Variational method for three-dimensional toroidal equilibria. *Computer Physics Communications*, 31(2-3):213–225, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900468>.

Beck:1984:RNR

- [BZ84] Donald R. Beck and Richard N. Zare. Relativistic and non-relativistic configuration interaction calculations for atoms having a closed core and two valence spin-orbitals. *Computer Physics Communications*, 35(1-3):C-15–C-16, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822857>.

Canut-Amoros:1984:SCP

- [CA84] Marisa Canut-Amoros. Stlplt — Calcomp plot of crystallographic projections of Laue photographs. *Computer Physics Communications*, 35(1-3):C-35, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823036>.

Campbell:1981:BFR

- [Cam81] J. B. Campbell. Bessel functions $I_\nu(z)$ and $K_\nu(z)$ of real order and complex argument. *Computer Physics Communications*, 24(1):97–105, September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901090>.

Campeanu:1982:PPC

- [Câm82] R. I. Câmpeanu. POSDIF — a program to compute positron diffusion and annihilation in rare gases. *Computer Physics Communications*, 25(4):433–436, April 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900790>.

Campbell:1984:BFRb

- [Cam84a] J. B. Campbell. Bessel functions $I_\nu(z)$ and $K_\nu(z)$ of real order and complex argument. *Computer Physics Communications*, 35(1-3):C-747–C-748, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic).

Campbell:1984:BFZ

- [Cam84b] J. B. Campbell. Bessel functions $I_\nu(z)$ and $K_\nu(z)$ of real order and complex argument. *Computer Physics Communications*, 35(1-3):C-747–C-748, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828805>.

Campbell:1984:BFRA

- [Cam84c] J. B. Campbell. Bessel functions $J_\nu(x)$ of real order and real argument. *Computer Physics Communications*, 35(1-3):C-583, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827563>.

Campbell:1984:DZH

- [Cam84d] J. B. Campbell. Determination of ν -zeros of Hankel functions. *Computer Physics Communications*, 32(3):333–339, June

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490095X>.

Campbell:1984:DSS

- [Cam84e] J. B. Campbell. Determination of SSOR-SI iteration parameters. *Computer Physics Communications*, 35(1-3):C-339, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825618>.

Campbell:1984:PPD

- [Cam84f] J. B. Campbell. A program package for the Dirichlet problem with axially symmetric boundary conditions. *Computer Physics Communications*, 35(1-3):C-309, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825369>.

Campeanu:1984:PPC

- [Câm84g] R. I. Câmpeanu. Posdif — a program to compute positron diffusion and annihilation in rare gases. *Computer Physics Communications*, 35(1-3):C-800, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829215>■

Cameron:1985:DSM

- [Cam85] J. R. Cameron. Developing systems methodically. *Computer Physics Communications*, 38(2):149-163, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900815>.

Campbell:1986:KBC

- [Cam86] J. A. Campbell. Knowledge-based computing systems and software engineering. *Computer Physics Communications*, 41(2-3):285-290, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900718>■

Candel:1981:AFB

- [Can81] S. M. Candel. An algorithm for the Fourier-Bessel transform. *Computer Physics Communications*, 23(4):343-353, August

1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901752>.

Cap:1986:EEA

- [Cap86a] Ferdinand F. Cap. Electromagnetic eigenfrequency of anisotropic inhomogeneous axisymmetric toroidal plasmas of arbitrary meridional cross section. *Computer Physics Communications*, 40(1):99–103, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901517>■

Christodoulides:1986:ALS

- [CAP86b] C. Christodoulides, L. Apekis, and P. Pissis. An algorithm for least-squares curve-fitting of TL and TSDC peaks. *Computer Physics Communications*, 41(1):35–39, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900196>.

Carl:1980:OBD

- [Car80] P. Carl. OLYMPUS for a BESM-6 — the development of medium-scale programs within the OLYMPUS framework: system OLYDES. *Computer Physics Communications*, 20(1):165–179, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901216>■

Carver:1984:FVP

- [Car84a] M. B. Carver. FORSIM VI: a program package for the automated solution of arbitrarily defined differential equations. *Computer Physics Communications*, 35(1–3):C–552–C–553, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827289>.

Christiansen:1984:MOD

- [CAR84b] J. P. Christiansen, D. E. T. F. Ashby, and K. V. Roberts. Medusa: a one-dimensional laser fusion code. *Computer Physics Communications*, 35(1–3):C–245–C–246, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824820>.

Carpenter:1988:PGS

- [Car88] Lesley Ann Carpenter. Portable graphical software — its design, implementation and use. *Computer Physics Communications*, 50(1–2):159–168, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901233>

Carter:1989:FVP

- [Car89] Paul A. Carter. A fast vectorized program for the Cyber 205 to calculate the partition function of the 3-D Ising model. *Computer Physics Communications*, 54(1):103–108, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900362>.

Catchen:1989:PPF

- [Cat89] Gary L. Catchen. Perturbation functions: PAC probe nuclei, $I = 2, 5/2$, and 3. *Computer Physics Communications*, 55(1):85–90, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900660>

Clary:1988:SPW

- [CB88] D. C. Clary and A. J. Banks. Summing the partial-wave series in molecular collision calculations. *Computer Physics Communications*, 48(2):223–228, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900422>.

Ciulli:1984:GAE

- [CC84] M. Ciulli and S. Ciulli. A guide to analytic extrapolations: Part I: A program for optimal extrapolation to interior points. *Computer Physics Communications*, 35(1–3):C-589–C-590, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827617>.

Carbo:1989:AIM

- [CC89a] Ramon Carbó and Blanca Calabuig. Ariadne-88: An ab initio monoconfigurational closed and open shell direct electronic energy calculation using elementary Jacobi rotations.

Computer Physics Communications, 52(3):345–354, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901100>.

Carbo:1989:MMS

- [CC89b] Ramon Carbó and Blanca Calabuig. Molsimil-88: Molecular similarity calculations using a CNDO-like approximation. *Computer Physics Communications*, 55(1):117–126, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900702>.

Clementi:1985:PCQ

- [CCD85] E. Clementi, G. Corongiu, and J. H. Detrich. Parallelism in computations in quantum and statistical mechanics. *Computer Physics Communications*, 37(1–3):287–294, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590164X>.

Chernysheva:1984:FCH

- [CCR84a] L. V. Chernysheva, N. A. Cherepkov, and V. Radojević. Frozen core Hartree–Fock program for atomic discrete and continuous states. *Computer Physics Communications*, 35(1–3):C–578–C–579, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827526>.

Chernysheva:1984:SCF

- [CCR84b] L. V. Chernysheva, N. A. Cherepkov, and V. Radojević. Self-consistent field Hartree–Fock program for atoms. *Computer Physics Communications*, 35(1–3):C–361–C–362, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825801>.

Chang:1988:ETS

- [CCR88] Tom Chang, G. B. Crew, and J. M. Retterer. Electromagnetic tornadoes in space: Ion conics along auroral field lines generated by lower hybrid waves and electromagnetic turbulence in the ion cyclotron range of frequencies. *Computer Physics Communications*, 49(1):61–74, April

1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902159>.

Colangelo:1989:CSG

- [CCS89] P. Colangelo, L. Cosmai, and E. Scrimieri. Computer simulation of gauge theories on a lattice with improved rotational symmetry. *Computer Physics Communications*, 54(2-3):235-237, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900854>.

Clancy:1986:CWF

- [CD86] B. E. Clancy and I. J. Donnelly. The calculation of wave fields in a cylindrical plasma using a multiple shooting technique. *Computer Physics Communications*, 42(2):153-167, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900330>.

Cittolin:1989:TLT

- [CDF⁺89] S. Cittolin, M. Demoulin, A. Fucci, W. Haynes, B. Martin, J. P. Porte, and P. Sphicas. The third level trigger and output event unit of the UA1 data-acquisition system. *Computer Physics Communications*, 57(1-3):370-374, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902452>.

Castanos:1988:QRR

- [CDL88] O. Castaños, J. P. Draayer, and Y. Leschber. Quantum rotor and its SU(3) realization. *Computer Physics Communications*, 52(1):71-84, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901749>.

Cwiok:1987:SPE

- [CDN⁺87] S. Cwiok, J. Dudek, W. Nazarewicz, J. Skalski, and T. Werner. Single-particle energies, wave functions, quadrupole moments and g -factors in an axially deformed Woods-Saxon potential with applications to the two-centre-type nuclear problems. *Computer Physics Communications*, 46(3):379-399, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900932>.

Chang:1982:SGF

- [CDW82] B. D. Chang, J. P. Draayer, and S. S. M. Wong. A system to generate Fortran programs for calculating configuration traces of angular momentum coupled product operators. *Computer Physics Communications*, 28(1):41–60, November 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900613>.

Chang:1984:SGF

- [CDW84] B. D. Chang, J. P. Draayer, and S. S. M. Wong. A system to generate Fortran programs for calculating configuration traces of angular momentum coupled product operators. *Computer Physics Communications*, 35(1–3):C-833–C-834, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829458>.

Coghlan:1985:DPS

- [CF85] Brant Coghlan and Serafin Fraga. Determination of proteinic structures: An experimentation program. *Computer Physics Communications*, 36(4):391–399, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900281>.

Carpenter:1987:TYR

- [CFG⁺87] B. E. Carpenter, F. Fluckiger, J. M. Gerard, D. Lord, and B. Segal. Two years of real progress in European HEP networking: a CERN perspective. *Computer Physics Communications*, 45(1–3):83–92, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901433>.

Castellano:1988:MCP

- [CFG⁺88] M. Castellano, C. Favuzzi, N. Giglietto, E. Nappi, and P. Spinelli. A Monte Carlo program to design a transition radiation detector. *Computer Physics Communications*, 51(3):431–441, November 1988. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901567>

Chiu:1987:SRS

- [CG87] Ting-Wai Chiu and Tian-Shin GUU. A shift-register sequence random number generator implemented on the microcomputers with 8088/8086 and 8087. *Computer Physics Communications*, 47(1):129–137, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900725>

Corden:1989:PTV

- [CGB⁺89] M. J. Corden, C. H. Georgiopoulos, R. Brun, F. Bruyant, and J.-L. Dekeyser. Progress towards a vectorized version of the giant Monte Carlo program. *Computer Physics Communications*, 57(1–3):268–272, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902269>.

Chowdhury:1987:MCS

- [CGG87] Debashish Chowdhury, E. T. Gawlinski, and J. D. Gunton. Monte Carlo simulation of very large dilute random-field Ising models using multi-spin coding. *Computer Physics Communications*, 43(3):329–337, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900506>.

Celmaster:1985:VMC

- [CGGK85] W. Celmaster, F. Green, R. Gupta, and E. Kovacs. A vectorized Monte Carlo algorithm for computing Wilson line observables in $Su(2)$ gauge theory on a BCH lattice. *Computer Physics Communications*, 36(4):409–415, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590030X>.

Carter:1989:TUT

- [CGM89] J. M. Carter, M. G. Green, and T. Medcalf. Transparent use of transputers for off-line computation. *Computer Physics Communications*, 57(1–3):495–498, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902713>.

Corden:1989:IAD

- [CGMS89] M. J. Corden, C. H. Georgiopoulos, M. E. Mermikides, and J. Streets. Implementation of the ALEPH detector simulation code using UNIX with on-line graphics display. *Computer Physics Communications*, 57(1–3):260–262, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902245>.

Cheng-guang:1985:PCT

- [CgYpXh85] Bao Cheng-guang, Gan You-ping, and Lui Xian-hui. Program to calculate transformation brackets of hyperspherical harmonic functions of a three body system. *Computer Physics Communications*, 36(4):401–407, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900293>.

Christiansen:1984:DTD

- [CH84a] J. P. Christiansen and R. W. Hockney. Delsqphi, a two-dimensional Poisson-solver program. *Computer Physics Communications*, 35(1–3):C-74–C-75, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823383>.

Christiansen:1984:FFF

- [CH84b] J. P. Christiansen and R. W. Hockney. Four67, a Fast Fourier Transform package. *Computer Physics Communications*, 35(1–3):C-72–C-73, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823371>.

Corbould:1984:NAL

- [CH84c] M. A. Corbould and J. A. How. A network approach to large-scale experimental data acquisition and analysis. *Computer Physics Communications*, 32(3):231–237, June 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900870>.

Cuperman:1984:NCM

- [CH84d] S. Cuperman and A. Harten. A numerical code for multiple “water bag” gravitational systems. *Computer Physics Communications*, 35(1-3):C-279, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825102>.

Carter:1987:MDE

- [CH87] S. Carter and N. C. Handy. A method for the determination of the eigenvalues of a very large matrix: Application to vibrational energy levels. *Computer Physics Communications*, 44(1-2):1-9, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900129>.

Carter:1988:VMD

- [CH88] S. Carter and N. C. Handy. A variational method for the determination of the vibrational ($J = 0$) energy levels of acetylene, using a Hamiltonian in internal coordinates. *Computer Physics Communications*, 51(1-2):49-58, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900616>.

Chamayou:1980:ASH

- [Cha80] J. M. F. Chamayou. Averaging shifted histograms. *Computer Physics Communications*, 21(2):145-161, December 2, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900375>.

Chamayou:1982:PBS

- [Cha82] J. M. F. Chamayou. Program for B-spline interpolation of surfaces with application to computer tomography. *Computer Physics Communications*, 27(2):187-199, August 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290073X>.

Chamayou:1984:AKR

- [Cha84a] J. M. F. Chamayou. Algorithms for the Kac and Renyi tests. *Computer Physics Communications*, 35(1-3):C-395, ???

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826065>.

Chamayou:1984:SMR

- [Cha84b] J. M. F. Chamayou. On the statistical model of radiation damage with a random displacement energy. *Computer Physics Communications*, 32(1):29–33, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900055>.

Chamayou:1984:PSI

- [Cha84c] J. M. F. Chamayou. Program for *B*-spline interpolation of surfaces with application to computer tomography. *Computer Physics Communications*, 35(1–3):C–816, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829331>.

Chandra:1984:GPS

- [Cha84d] N. Chandra. A general program to study the scattering of particles by solving coupled inhomogeneous second-order differential equations. *Computer Physics Communications*, 35(1–3):C–196, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824418>.

Chang:1984:PER

- [Cha84e] J. J. Chang. A program to evaluate the reduced matrix elements of one-particle tensor operators for the configurations in JJ-coupling. *Computer Physics Communications*, 35(1–3):C–241, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824790>.

Chauvet:1985:MPV

- [Cha85] Yves Chauvet. Measured performances on vectorization and multitasking with a Monte Carlo code for neutron transport problems. *Computer Physics Communications*, 37(1–3):281–285, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901638>.

Chen:1989:FSS

- [Che89] He Sheng Chen. Fast simulation of showers in inhomogeneous media. *Computer Physics Communications*, 57(1-3):375-379, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902464>.

Chivers:1984:NVPa

- [Chi84a] Alfred T. Chivers. A new version of the program to compute the asymptotic solution of coupled equations for electron scattering. *Computer Physics Communications*, 35(1-3):C-195, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824406>.

Chivers:1984:NVPb

- [Chi84b] Alfred T. Chivers. A new version of the program to compute the fractional parentage coefficients for equivalent d shell electrons. *Computer Physics Communications*, 35(1-3):C-210, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824522>.

Chilingarian:1989:SDU

- [Chi89] A. A. Chilingarian. Statistical decisions under nonparametric a priori information. *Computer Physics Communications*, 54(2-3):381-390, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900982>.

Cutts:1989:DAD

- [CHJZ89] David Cutts, Jan S. Hoftun, Christopher R. Johnson, and Raymond T. Zeller. Data acquisition at D0. *Computer Physics Communications*, 57(1-3):339-342, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902397>.

Chu:1981:CDN

- [CHL⁺81] M. S. Chu, F. J. Helton, J. K. Lee, R. W. Moore, J. M. Greene, and T. H. Jensen. Current-driven nonideal instability in a force-free toroidal plasma. *Computer Physics*

Communications, 24(3-4):399-406, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901636>.

Collins:1984:EPW

- [CHMM84] P. A. Collins, B. J. Hartley, R. W. Moore, and K. J. M. Moriarty. An efficient partial-wave analyser for the absorption model. *Computer Physics Communications*, 35(1-3):C-188-C-189, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824340>.

Choudry:1984:IRT

- [Cho84] A. Choudry. Isometric representation of two-dimensional matrices. *Computer Physics Communications*, 35(1-3):C-32, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823000>.

Christensen:1984:CSP

- [Chr84a] E. R. Christensen. Computer simulation of photons in spheric media for density gauges. *Computer Physics Communications*, 35(1-3):C-236, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824753>.

Christensen:1984:MCS

- [Chr84b] E. R. Christensen. Monte Carlo simulation of photons in two-layered media for density gauges. *Computer Physics Communications*, 35(1-3):C-235, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824741>.

Chadwick:1987:OMC

- [CHS87] K. Chadwick, R. Hollebeek, and P. K. Sinervo. The organization and maintenance of the CDF offline code on IBM VM/CMS and DEC VAX/VMS operating systems. *Computer Physics Communications*, 45(1-3):409-415, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901822>.

Cutts:1989:NNE

- [CHS⁺89] Dave Cutts, Jan S. Hoftun, Andrew Sornborger, Christopher R. Johnson, and Raymond T. Zeller. Neural networks for event filtering at D0. *Computer Physics Communications*, 57(1–3):478–482, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902671>.

Cioslowski:1989:PIS

- [Cio89] J. Cioslowski. Principles of AB initio SCF calculations with minimal storage requirements. *Computer Physics Communications*, 53(1–3):117–122, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901525>.

Cisneros:1987:CSI

- [Cis87] Arturo Cisneros. A communications system for irregular local interaction problems on a concurrent computer. *Computer Physics Communications*, 46(1):35–41, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790035X>.

Clarkson:1984:ELS

- [CJ84] R. G. Clarkson and Nelson Jarmie. Energy-loss straggling of heavy charged particles. *Computer Physics Communications*, 35(1–3):C–109, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482367X>.

Chen:1989:ISB

- [CKA89] Y.-M. Chen, A. E. Koniges, and D. V. Anderson. ILUBCG2-11: Solution of 11-banded nonsymmetric linear equation systems by a preconditioned biconjugate gradient routine. *Computer Physics Communications*, 55(3):359–365, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990132X>.

Chan:1989:PEP

- [CKT89] Tony F. Chan, C.-C. Jay Kuo, and Charles Tong. Parallel elliptic preconditioners: Fourier analysis and performance

on the connection machine. *Computer Physics Communications*, 53(1–3):237–252, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990163X>■

Cytron:1985:ERC

- [CKV85] Ron Cytron, David J. Kuck, and Alex V. Veidenbaum. The effect of restructuring compilers on program performance for high-speed computers. *Computer Physics Communications*, 37(1–3):39–48, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901341>.

Cullum:1989:GNL

- [CKW89] Jane Cullum, Wolfgang Kerner, and Ralph Willoughby. A generalized nonsymmetric Lanczos procedure. *Computer Physics Communications*, 53(1–3):19–48, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990146X>.

Calinon:1984:AGB

- [CL84] R. Calinon and J. Ligou. Application of the generalized backward substitution method to solve a class of linear systems. *Computer Physics Communications*, 35(1–3):C–558, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827332>.

Clarke:1982:MPA

- [Cla82a] N. M. Clarke. Multi-point algorithms for second-order coupled equations. *Computer Physics Communications*, 27(4):365–375, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900984>.

Claudius:1982:SGP

- [Cla82b] M. Claudius. Solution of the gravitational Poisson equation in spherical coordinates. *Computer Physics Communications*, 27(2):119–128, August 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900686>■

Clark:1984:ICC

- [Cla84] Robert E. H. Clark. Intermediate coupling collision strengths from LS coupled R -matrix elements. *Computer Physics Communications*, 35(1-3):C-525, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482706X>.

Clark:1988:EH

- [Cla88] R. A. Clark. The evolution of HOBO. *Computer Physics Communications*, 48(1):61-64, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900239>.

Clint:1982:VMD

- [Cli82] M. Clint. A vector-multiplication dominated parallel algorithm for the computation of real eigenvalue spectra. *Computer Physics Communications*, 26(3-4):373-376, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290131X>.

Cohen:1989:RGM

- [CLL89] Robert Cohen, San-Yih Lin, and Mitchell Luskin. Relaxation and gradient methods for molecular orientation in liquid crystals. *Computer Physics Communications*, 53(1-3):455-465, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901781>.

Conneely:1984:CPC

- [CLS⁺84] M. J. Conneely, L. Lipsky, K. Smith, P. G. Burke, and R. J. W. Henry. A computer program for the calculation of electron scattering and photoionization cross sections of atomic systems with configuration $(np)^q$. *Computer Physics Communications*, 35(1-3):C-36-C-37, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823048>.

Chang:1988:RVE

- [CLS88] Bernard H. Chang, Jae Shin Lee, and Don Secrest. Rotation-vibration eigenvalues and vectors. *Computer Physics Com-*

munications, 51(1-2):195-205, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900719>.

Christie:1981:CSA

- [CM81a] M. A. Christie and K. J. M. Moriarty. A Chebyshev series approximation to continuous functions. *Computer Physics Communications*, 23(2):145-152, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900291>.

Cuperman:1981:NCP

- [CM81b] S. Cuperman and M. Mond. A numerical code for the phase-space boundary integration of water bag plasmas. *Computer Physics Communications*, 21(3):397-406, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900163>.

Creutz:1983:IMM

- [CM83] Michael Creutz and K. J. M. Moriarty. Implementation of the microcanonical Monte Carlo simulation algorithm for $SU(N)$ lattice gauge theory calculations. *Computer Physics Communications*, 30(3):255-257, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900930>.

Carswell:1984:ACP

- [CM84a] A. Carswell and W. Moon. Algorithm for the creation of the P-tau and P-X planes from T-X plane data. *Computer Physics Communications*, 32(2):185-190, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900699>.

Christie:1984:BSI

- [CM84b] M. A. Christie and K. J. M. Moriarty. A bicubic spline interpolation of unequally spaced data. *Computer Physics Communications*, 35(1-3):C-563, 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827381>.

Christie:1984:CSA

- [CM84c] M. A. Christie and K. J. M. Moriarty. A Chebyshev series approximation to continuous functions. *Computer Physics Communications*, 35(1-3):C-712-C-713, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828568>.

Coleman:1984:VMA

- [CM84d] John P. Coleman and Julie Mohamed. De Vogelaere's method with automatic error control. *Computer Physics Communications*, 35(1-3):C-554, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827290>.

Creutz:1984:IMM

- [CM84e] Michael Creutz and K. J. M. Moriarty. Implementation of the microcanonical Monte Carlo simulation algorithm for $SU(N)$ lattice gauge theory calculations. *Computer Physics Communications*, 35(1-3):C-914, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830131>.

Cuperman:1984:NCP

- [CM84f] S. Cuperman and M. Mond. A numerical code for the phase-space boundary integration of water bag plasmas. *Computer Physics Communications*, 35(1-3):C-675, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828283>.

Celmaster:1985:MCS

- [CM85] W. Celmaster and K. J. M. Moriarty. Monte Carlo simulation of pure $SU(2)$ gauge theory on a body-centered hypercubic lattice. *Computer Physics Communications*, 34(4):415-425, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900694>.

Creutz:1986:FCT

- [CM86] Michael Creutz and K. J. M. Moriarty. FORTRAN code for the three-dimensional Ising model. *Computer Physics Communications*, 39(2):173–180, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901281>.

Chen:1988:TCM

- [CM88] Q. Chen and B. D. Mestel. Taylor–Chirikov map package: a package of programs for the calculation of ordered periodic orbits of area preserving twist maps. *Computer Physics Communications*, 51(3):463–476, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901592>.

Charity:1987:USE

- [CMH87] T. Charity, R. McClatchey, and J. Harvey. Use of software engineering techniques in the design of the ALEPH data acquisition system. *Computer Physics Communications*, 45(1–3):433–441, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790186X>.

Creutz:1984:FAI

- [CMM84] Michael Creutz, P. Mitra, and K. J. M. Moriarty. A fast algorithm for investigations on the three-dimensional Ising model. *Computer Physics Communications*, 33(4):361–366, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901425>.

Creutz:1986:VTD

- [CMO86] Michael Creutz, K. J. M. Moriarty, and M. O’Brien. Vectorization of the three-dimensional ISING model program on the CDC Cyber 205. *Computer Physics Communications*, 42(2):191–196, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900366>■

Campostrini:1988:VCP

- [CMPR88] Massimo Campostrini, Kevin J. M. Moriarty, Jean Potvin, and Claudio Rebbi. A vectorized code for the pseudofermion simulation of QCD with dynamical quarks. *Computer Physics Communications*, 50(3):395–411, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901932>.

Campostrini:1986:VCM

- [CMR86] M. Campostrini, K. J. M. Moriarty, and C. Rebbi. A vectorized code for the Monte Carlo computation of spin-dependent static potentials in QCD. *Computer Physics Communications*, 42(2):175–189, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900354>.

Cole:1983:WLS

- [CMS83] M. J. Cole, K. J. M. Moriarty, and P. E. Stolorz. Wilson loops, string tension and correlations in Monte Carlo simulation of compact U(1) lattice gauge theory. *Computer Physics Communications*, 30(4):421–428, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900838>.

Cole:1984:WLS

- [CMS84] M. J. Cole, K. J. M. Moriarty, and P. E. Stolorz. Wilson loops, string tension and correlations in Monte Carlo simulation of compact U(1) lattice gauge theory. *Computer Physics Communications*, 35(1–3):C-928, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558483026X>.

Casilio:1984:AFV

- [CN84] John M. Casilio and M. E. Noz. Analytic formulation of SU(3) vector coupling coefficients for n particles. *Computer Physics Communications*, 35(1–3):C-190, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824352>.

Cowan:1987:UDC

- [CN87] R. Cowan and W. R. Nelson. Use of 3-D color graphics with EGS. *Computer Physics Communications*, 45(1-3):485, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901962>.

Cartledge:1982:CVA

- [CNRS82] C. J. Cartledge, M. Narotam, N. D. H. Ross, and J. B. Slater. Costs of vector and array processor software development: a specific example from biological simulation. *Computer Physics Communications*, 26(3-4):247-248, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901126>.

Chernov:1984:EAC

- [CO84] N. I. Chernov and G. A. Ososkov. Effective algorithms for circle fitting. *Computer Physics Communications*, 33(4):329-333, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901371>.

Cuperman:1986:MCA

- [CO86] S. Cuperman and L. Ofman. Magnetic configurations for axisymmetric tandem mirror devices. *Computer Physics Communications*, 42(2):217-232, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690038X>.

Coleman:1980:FSB

- [Col80a] J. P. Coleman. A Fortran subroutine for the Bessel function $J_n(x)$ of order 0 to 10. *Computer Physics Communications*, 21(1):109-118, December 1, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900806>.

Coleman:1980:NFO

- [Col80b] John P. Coleman. A new fourth-order method for $y'' = g(x)y + r(x)$. *Computer Physics Communications*, 19(2):185-195, April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900491>.

Coleman:1984:FSB

- [Col84a] J. P. Coleman. A Fortran subroutine for the Bessel function $J_n(x)$ of order 0 to 10. *Computer Physics Communications*, 35(1-3):C-654, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828143>.

Collocott:1984:NSK

- [Col84b] S. J. Collocott. Numerical solution of Kramers-Kronig transforms by a Fourier method. *Computer Physics Communications*, 35(1-3):C-425, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482634X>.

Colonna:1988:PSE

- [Col88] Jean-François Colonna. Picture synthesis: An essential tool for numerical experimentation. *Computer Physics Communications*, 49(1):215-228, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902299>.

Comfort:1980:IPD

- [Com80a] J. R. Comfort. Implementation of the partitioned-data-set concept for CDC computers. *Computer Physics Communications*, 19(1):51-61, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900661>.

Comfort:1980:LFP

- [Com80b] J. R. Comfort. Linkage of Fortran programs with partitioned data sets on IBM, CDC, and DEC computers. *Computer Physics Communications*, 19(1):43-49, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090065X>.

Comfort:1982:EMI

- [Com82] J. R. Comfort. Evaluation of multipole integrals and the exponent range problem. *Computer Physics Communications*, 25(3):217-222, March 1982. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900182>

Comfort:1984:IPD

- [Com84] J. R. Comfort. Implementation of the partitioned-data-set concept for CDC computers. *Computer Physics Communications*, 35(1-3):C-608, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827757>

Cook:1982:DPC

- [Coo82] J. Cook. DFpot — a program for the calculation of double folded potentials. *Computer Physics Communications*, 25(2):125-139, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900297>

Cook:1984:DPC

- [Coo84a] J. Cook. Dfpot — a program for the calculation of double folded potentials. *Computer Physics Communications*, 35(1-3):C-775, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829021>.

Cook:1984:HOM

- [Coo84b] J. Cook. Hermes — an optical model search program including tensor potentials for projectile spins 0 to 3/2. *Computer Physics Communications*, 31(4):363-383, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900201>.

Copley:1981:MCC

- [Cop81] J. R. D. Copley. Monte Carlo calculation of multiple scattering effects in thermal neutron scattering experiments: Improved computation of elastic coherent scattering intensities. *Computer Physics Communications*, 21(3):431-436, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900199>.

Copley:1984:MCCa

- [Cop84a] J. R. D. Copley. Monte Carlo calculation of multiple scattering effects in thermal neutron scattering experiments. *Computer Physics Communications*, 35(1-3):C-247, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824832>.

Copley:1984:MCCd

- [Cop84b] J. R. D. Copley. Monte Carlo calculation of multiple scattering effects in thermal neutron scattering experiments: Improved computation of elastic coherent scattering intensities. *Computer Physics Communications*, 35(1-3):C-678, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828313>.

Copley:1984:MCCc

- [Cop84c] J. R. D. Copley. Monte Carlo calculation of multiple scattering effects in thermal neutron scattering experiments: Modification to horizontal cylinder geometry. *Computer Physics Communications*, 35(1-3):C-292, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825229>.

Copley:1984:MCCb

- [Cop84d] J. R. D. Copley. Monte Carlo calculation of multiple scattering effects in thermal neutron scattering experiments: Modification to slab geometry. *Computer Physics Communications*, 35(1-3):C-291, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825217>.

Cottrell:1987:ANS

- [Cot87] R. L. A. Cottrell. Analysis of network statistics. *Computer Physics Communications*, 45(1-3):93-109, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901445>.

Cutkosky:1981:SIS

- [CP81] R. E. Cutkosky and C. Pomponiu. Spline interpolation and smoothing of data. *Computer Physics Communications*, 23(3):287–299, July 2, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900047>.

Cutkosky:1984:SIS

- [CP84] R. E. Cutkosky and C. Pomponiu. Spline interpolation and smoothing of data. *Computer Physics Communications*, 35(1–3):C–730, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828659>.

Chassapis:1989:MOO

- [CPL89] C. S. Chassapis, D. G. Papageorgiou, and I. E. Lagaris. MCL — optimization oriented programming language. *Computer Physics Communications*, 52(2):223–239, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900064>.

Caloz:1984:NAF

- [CR84a] G. Caloz and J. Rappaz. On the numerical approximation of a free boundary problem related to MHD equilibria. *Computer Physics Communications*, 31(2–3):137–141, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900407>.

Calvert:1984:MDF

- [CR84b] L. D. Calvert and J. R. Rodgers. The metal data file. *Computer Physics Communications*, 33(1–3):93–98, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901115>.

Cash:1984:HOM

- [CR84c] J. R. Cash and A. D. Raptis. A high order method for the numerical integration of the one-dimensional Schrödinger equation. *Computer Physics Communications*, 33(4):299–304, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901358>.

Christiansen:1984:OSC

- [CR84d] J. P. Christiansen and K. V. Roberts. Olympus: a standard control and utility package for initial-value Fortran programs. *Computer Physics Communications*, 35(1-3):C-243-C-244, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824819>.

Catsaros:1987:NMI

- [CR87] N. Catsaros and P. Ribon. A new method of interpolation and numerical integration. *Computer Physics Communications*, 43(3):339-346, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900518>.

Crees:1980:APC

- [Cre80a] M. A. Crees. ASYPCK, a program for calculating asymptotic solutions of the coupled equations of electron collision theory. *Computer Physics Communications*, 19(1):103-137, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900703>.

Crees:1980:EPA

- [Cre80b] M. A. Crees. Editor, a program for amending files of card images. *Computer Physics Communications*, 19(1):139-157, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900715>.

Crees:1981:AEV

- [Cre81] M. A. Crees. ASYPCK2, an extended version of ASYPCK. *Computer Physics Communications*, 23(2):181-198, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900321>.

Crees:1984:APC

- [Cre84a] M. A. Crees. Asypck, a program for calculating asymptotic solutions of the coupled equations of electron collision theory. *Computer Physics Communications*, 35(1-3):C-612-C-614, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827794>.

Crees:1984:AEV

- [Cre84b] M. A. Crees. ASYPCK2, an extended version of ASYPCK. *Computer Physics Communications*, 35(1-3):C-717-C-719, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828593>.

Crees:1984:EPA

- [Cre84c] M. A. Crees. Editor, A program for amending files of card images. *Computer Physics Communications*, 35(1-3):C-615, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827800>.

Carter:1989:BCF

- [CRH⁺89] Stuart Carter, Pavel Rosmus, Nicholas C. Handy, Steven Miller, Jonathan Tennyson, and Brian T. Sutcliffe. Benchmark calculations of first principles rotational and ro-vibrational line strengths. *Computer Physics Communications*, 55(1):71-75, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900647>.

Christiansen:1984:AODa

- [CRL84] J. P. Christiansen, K. V. Roberts, and J. W. Long. Athene 1: a one-dimensional equilibrium-diffusion code. *Computer Physics Communications*, 35(1-3):C-479-C-480, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826752>.

Collado:1989:RRS

- [CRL⁺89] JoséRamón Álvarez Collado, Jaime Fernández Rico, Rafael López, Miguel Paniagua, and Guillermo Ramírez. Rotation

of real spherical harmonics. *Computer Physics Communications*, 52(3):323–331, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901070>

Crowley:1988:FLM

- [Cro88] W. P. Crowley. A Free-Lagrange method for 2-D compressible flows. *Computer Physics Communications*, 48(1):51–60, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900227>.

Christiansen:1981:AOD

- [CRPL81] J. P. Christiansen, K. V. Roberts, V. A. Piotrowicz, and J. W. Long. Athene 1A: a one-dimensional fusion code. *Computer Physics Communications*, 23(1):63–80, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901302>.

Christiansen:1984:AODb

- [CRPL84] J. P. Christiansen, K. V. Roberts, V. A. Piotrowicz, and J. W. Long. Athene 1A: a one-dimensional fusion code. *Computer Physics Communications*, 35(1-3):C-703–C-704, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828519>.

Cabras:1987:UPO

- [CRS87] G. Cabras, V. Roberto, and G. Salemi. UNIDFT: a package of optimized discrete Fourier transforms. *Computer Physics Communications*, 47(1):113–127, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900713>.

Chandra:1989:AAF

- [CRV⁺89] U. Chandra, G. Riccardi, J. Vagi, J.-L. Dekeyser, and F. Hannedouche. Aftran: Array Fortran programming language. *Computer Physics Communications*, 57(1-3):263–267, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902257>.

Croskery:1982:VNA

- [CSBB82] J. P. Croskery, N. S. Scott, K. L. Bell, and K. A. Berrington. VPM — a new asymptotic package. *Computer Physics Communications*, 27(4):385–401, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290100X>.

Croskery:1984:VNA

- [CSBB84] J. P. Croskery, N. S. Scott, K. L. Bell, and K. A. Berrington. VPM — a new asymptotic package. *Computer Physics Communications*, 35(1–3):C-825, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829409>.

Ciarcia:1986:DFP

- [CSC+86] C. A. Ciarcia, W. A. Schier, G. P. Couchell, D. J. Pullen, R. S. Tanczyn, M. H. Haghghi, and Q. Sharfuddin. DENTS: a FORTRAN program for analysing continuous neutron spectra. *Computer Physics Communications*, 39(2):233–243, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901347>.

Capotondi:1989:PSS

- [CSC89] A. Capotondi, V. Sonnad, and S. Chin. Parallel solution of the shallow water equations using an explicit finite difference algorithm. *Computer Physics Communications*, 52(2):195–205, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900040>.

Ciurel:1988:PLO

- [CSMHT88] S. Ciurel, D. Stoica-Mann, R. Hritcu, and C. Tulpan. Physics laboratory oriented multiprocessor system for data acquisition and processing. *Computer Physics Communications*, 50(1–2):237–240, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901300>.

Crees:1984:IPS

- [CSW84] M. A. Crees, M. J. Seaton, and P. M. H. Wilson. Impact, a program for the solution of the coupled integro-differential equations of electron-atom collision theory. *Computer Physics Communications*, 35(1-3):C-481-C-482, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826764>.

Clark:1982:AHU

- [CT82] C. W. Clark and K. T. Taylor. Atomic hydrogen in a uniform magnetic field. *Computer Physics Communications*, 26(3-4):415-417, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901369>.

Chrisman:1984:CAM

- [CT84a] B. L. Chrisman and T. A. Tumolillo. Computer analysis of Mössbauer spectra. *Computer Physics Communications*, 35(1-3):C-100, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823589>.

Collocott:1984:ANS

- [CT84b] S. J. Collocott and G. J. Troup. Adaptation: Numerical solution of the Kramers-Kronig transforms by trapezoidal summation as compared to a Fourier method. *Computer Physics Communications*, 35(1-3):C-567, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827423>.

Cecchini:1989:SLA

- [CT89] R. Cecchini and M. Tarlini. Symbolic Lie algebras manipulations using COMMON LISP. *Computer Physics Communications*, 52(2):283-289, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900106>.

Cugnon:1984:CSB

- [Cug84] J. Cugnon. Computation of S-state binding energy and wave functions in a saxon-wood potential. *Computer*

Physics Communications, 35(1-3):C-204, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824467>.

Copley:1986:IMC

- [CVvWF86] J. R. D. Copley, P. Verkerk, A. A. van Well, and H. Fredrikze. Improved Monte Carlo calculation of multiple scattering effects in thermal neutron scattering experiments. *Computer Physics Communications*, 40(2-3):337-357, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901189>.

Chang:1980:PEC

- [CW80] B. D. Chang and S. S. M. Wong. A program to evaluate closed diagrams algebraically for angular momentum coupled product operators. *Computer Physics Communications*, 20(2):191-211, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900028>.

Chang:1984:PEC

- [CW84a] B. D. Chang and S. S. M. Wong. A program to evaluate closed diagrams algebraically for angular momentum coupled product operators. *Computer Physics Communications*, 35(1-3):C-629-C-630, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827927>.

Chang:1984:PGC

- [CW84b] B. D. Chang and S. S. M. Wong. A program to generate closed basic diagrams for product operators. *Computer Physics Communications*, 35(1-3):C-575, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827496>.

Christiansen:1984:CTD

- [CW84c] J. P. Christiansen and N. K. Winsor. Castor 2: a two-dimensional laser target code. *Computer Physics Communications*, 35(1-3):C-568-C-569, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827435>.

Caceres:1983:ECF

- [CWS83] Manuel O. Cáceres, Horacio S. Wio, and R. J. J. Stamm'ler. An expansion of complicated functions using Chebyshev polynomials suitable for fast calculation. *Computer Physics Communications*, 29(3):261–267, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900061>.

Caceres:1984:ECF

- [CWS84] Manuel O. Cáceres, Horacio S. Wio, and R. J. J. Stamm'ler. An expansion of complicated functions using Chebyshev polynomials suitable for fast calculation. *Computer Physics Communications*, 35(1–3):C–880, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829835>.

Dagless:1982:MA

- [Dag82] E. L. Dagless. Microprocessor applications. *Computer Physics Communications*, 26(1–2):153–194, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901679>.

Das:1983:GAS

- [Das83] S. Das. A generalized algorithm for the solution of the inverse problem of nuclear reactor kinetics. *Computer Physics Communications*, 29(4):321–331, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900115>.

Das:1989:CPB

- [Das89] P. Das. Computer programs for the Boltzmann collision matrix elements. *Computer Physics Communications*, 55(2):177–187, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900751>.

Davies:1981:ODC

- [Dav81] Charles W. Davies. Orthogonalization of discrete coordinates. *Computer Physics Communications*, 23(4):427–433, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190182X>.

Davies:1984:ODC

- [Dav84] Charles W. Davies. Orthogonalization of discrete coordinates. *Computer Physics Communications*, 35(1–3):C-740, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482874X>.

Davidson:1989:SMM

- [Dav89] Ernest R. Davidson. Super-matrix methods. *Computer Physics Communications*, 53(1–3):49–60, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901471>.

Day:1981:RPN

- [Day81] A. C. Day. RDLIST, a portable namelist facility. *Computer Physics Communications*, 22(4):403–410, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901375>.

Day:1984:RPN

- [Day84a] A. C. Day. Rdlis, a portable namelist facility. *Computer Physics Communications*, 35(1–3):C-690–C-691, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828416>.

Day:1984:PTE

- [Day84b] Colin Day. A portable text editor. *Computer Physics Communications*, 35(1–3):C-417, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826272>.

deBrito:1982:FPI

- [dB82] Adelsindo Liberato de Brito. FORTRAN program for the integral of three spherical harmonics. *Computer Physics Communications*, 25(1):81–85, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900467>.

deBrito:1984:FPI

- [dB84] Adelsindo Liberato de Brito. Fortran program for the integral of three spherical harmonics. *Computer Physics Communications*, 35(1–3):C–770, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828982>.

Dahl:1984:CSE

- [DBB84] R. E. Dahl, Jr., J. R. Beeler, Jr., and R. D. Bourquin. Computer simulation of extended defects in metals. *Computer Physics Communications*, 35(1–3):C–98–C–99, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823577>.

deBiasi:1982:SPE

- [dB82] R. S. de Biasi and J. A. M. Mendonça. Simulation of powder EPR spectra with axial symmetry. *Computer Physics Communications*, 28(1):69–74, November 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900637>.

deBiasi:1984:SPE

- [dB84] R. S. de Biasi and J. A. M. Mendonça. Simulation of powder EPR spectra with axial symmetry. *Computer Physics Communications*, 35(1–3):C–836, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829471>.

Dedoussis:1984:NVM

- [DCC84] Sp. Dedoussis, M. Chardalas, and Stef. Charalambous. A new version of minuit program for a PDP11/34A computer system. *Computer Physics Communications*, 31(1):29–39, January

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900791>.

Daly:1985:PSL

- [DD85a] C. Daly and J. J. Du Croz. Performance of a subroutine library on vector-processing machines. *Computer Physics Communications*, 37(1-3):181-186, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901511>.

Dixon:1985:FEO

- [DD85b] L. C. W. Dixon and P. G. Ducksbury. Finite element optimisation on the DAP. *Computer Physics Communications*, 37(1-3):187-193, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901523>.

Dumont:1986:MCS

- [DD86] Martine Dumont and P. Dufour. Monte Carlo simulation of surface reactions. *Computer Physics Communications*, 41(1):1-19, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900172>.

Devenish:1989:P

- [DD89] R. C. E. Devenish and T. Daniels. Preface. *Computer Physics Communications*, 57(1-3):xiii, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901823>.

DeHosson:1984:NCA

- [De 84a] J. Th. M. De Hosson. Normal coordinate analysis of crystals. *Computer Physics Communications*, 35(1-3):C-331, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825552>.

DeHosson:1984:SBS

- [De 84b] J. Th. M. De Hosson. Symmetry and band structure. *Computer Physics Communications*, 35(1-3):C-328, ??? 1984.

CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825515>.

DeJagher:1984:NPC

- [De 84c] P. C. De Jagher. Nullijn, a program to calculate zero curves of a function of two variables of which one may be complex. *Computer Physics Communications*, 35(1-3):C-507, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826922>.

DeAngelis:1988:CDP

- [De 88] A. De Angelis. A class of N -dimensional probability density functions suitable for random generation. *Computer Physics Communications*, 52(1):61-64, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901725>.

Davies:1984:CGG

- [DE84] A. J. Davies and C. J. Evans. The computation of the growth of a gaseous discharge in space-charge distorted fields. *Computer Physics Communications*, 35(1-3):C-143, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823978>.

Decker:1989:NIC

- [Dec89] Karsten Decker. Numerical investigation of a coarse-to-fine transformation for multigrid Monte Carlo updating. *Computer Physics Communications*, 54(1):1-11, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900271>.

DeGrand:1988:CTM

- [DeG88] Thomas A. DeGrand. A conditioning technique for matrix inversion for Wilson fermions. *Computer Physics Communications*, 52(1):161-164, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901804>.

Delic:1984:CEA

- [Del84a] G. Delic. Chebyshev expansion of the associated Legendre polynomial $P_L^M(x)$. *Computer Physics Communications*, 35(1-3):C-576, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827502>.

Delic:1984:CSS

- [Del84b] G. Delic. Chebyshev series for the spherical Bessel function $l(r)$. *Computer Physics Communications*, 35(1-3):C-577, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827514>.

Delves:1985:MCC

- [Del85] L. M. Delves. Monte Carlo calculations of neutron diffusion on the ICL DAP. *Computer Physics Communications*, 37(1-3):295-301, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901651>.

Delfino:1987:EMD

- [Del87] Manuel C. Delfino. Experience with the MAC data flow system. *Computer Physics Communications*, 45(1-3):467-471, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901901>.

Denby:1988:NNC

- [Den88] B. Denby. Neural networks and cellular automata in experimental high energy physics. *Computer Physics Communications*, 49(3):429-448, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900045>.

Desclaux:1984:HFS

- [Des84a] J. P. Desclaux. Hartree Fock Slater self consistent field calculations. *Computer Physics Communications*, 35(1-3):C-26, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822936>.

Desclaux:1984:MRD

- [Des84b] J. P. Desclaux. A multiconfiguration relativistic Dirac–Fock program. *Computer Physics Communications*, 35(1–3):C–288, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825187>.

Deutsch:1984:SHSa

- [Deu84a] Moshe Deutsch. Slit height smearing correction in small angle X-ray scattering I: Intensity correction program. *Computer Physics Communications*, 35(1–3):C–560, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827356>.

Deutsch:1984:SHSb

- [Deu84b] Moshe Deutsch. Slit height smearing correction in small angle X-ray scattering II: Computation of the correction function. *Computer Physics Communications*, 35(1–3):C–561, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827368>.

Deutsch:1984:SHSc

- [Deu84c] Moshe Deutsch. Slit height smearing correction in small angle X-ray scattering III: Intensity-correction program adaptation to arbitrary slit transmission function. *Computer Physics Communications*, 35(1–3):C–584–C–585, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827575>.

Deutsch:1984:SHSd

- [Deu84d] Moshe Deutsch. Slit height smearing correction in small angle X-ray scattering IV: Computation of the correction function for an arbitrary slit transmission function. *Computer Physics Communications*, 35(1–3):C–586, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827587>.

DeVries:1984:QBS

- [DeV84] R. M. DeVries. Quasi-bound state wavefunctions. *Computer Physics Communications*, 35(1-3):C-375, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825904>.

Dewar:1982:BDD

- [Dew82] P. A. Dewar. Basic digital device technologies. *Computer Physics Communications*, 26(1-2):1-33, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901552>.

Davies:1984:SGA

- [DEW84] A. J. Davies, C. J. Evans, and P. M. Woodison. Simulation of the growth of axially symmetric discharges between plane parallel electrodes. *Computer Physics Communications*, 35(1-3):C-469-C-470, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826697>.

Docken:1984:DOI

- [DF84] Kate K. Docken and A. Lewis Ford. Dipole and overlap integrals between Slater-type functions and continuum Coulomb functions. *Computer Physics Communications*, 35(1-3):C-360, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825795>.

DeRaedt:1981:MCF

- [DFD81] H. De Raedt, J. Fizez, and B. De Raedt. Manual for commute, a FORTRAN program for symbolic evaluation of commutators and correlation functions. *Computer Physics Communications*, 23(2):209-220, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900345>.

DeRaedt:1984:MCF

- [DFD84] H. De Raedt, J. Fizez, and B. De Raedt. Manual for commute, a FORTRAN program for symbolic evalua-

tion of commutators and correlation functions. *Computer Physics Communications*, 35(1-3):C-721, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828611>.

Delfino:1989:AER

- [DFOP89] M. Delfino, E. Fernández, S. Orteu, and A. Pacheco. The ALEPH event reconstruction facility: Parallel processing using workstations. *Computer Physics Communications*, 57(1-3):401-406, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902518>.

Darville:1984:ECZ

- [DG84] J. Darville and A. Gérard. Exact computation of the Zeeman effect on nuclear quadrupole resonance profiles for powders (spin $I = 3/2$). Determination of the asymmetry parameter. *Computer Physics Communications*, 35(1-3):C-300, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825291>.

Damarowsky:1989:SAK

- [DG89] M. Damarowsky and G. H. Guthöhrlein. Spectral analysis without knowledge of the line shape function by use of a new numerical procedure. *Computer Physics Communications*, 52(2):187-194, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900039>.

Dyall:1989:GGP

- [DGJ+89] K. G. Dyall, I. P. Grant, C. T. Johnson, F. A. Parpia, and E. P. Plummer. GRASP: a general-purpose relativistic atomic structure program. *Computer Physics Communications*, 55(3):425-456, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901367>.

Damerell:1981:UEF

- [DGK+81] C. Damerell, D. Giddings, B. Kisielowski, G. Lutz, G. Lutjens, J.-P. Melot, K. Rybicki, F. Wickens, and ACCMOR

Collaboration. Use of the ESOP fast processor in the trigger logic of the CERN experiment NA-11. *Computer Physics Communications*, 22(2-3):349-352, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900709>.

Dean:1989:SSP

- [DGL89] E. Dean, R. Glowinski, and C. H. Li. Supercomputer solutions of partial differential equation problems in computational fluid dynamics and in control. *Computer Physics Communications*, 53(1-3):401-439, May 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901768>.

Diercksen:1983:CIP

- [DGO83] G. H. F. Diercksen, N. E. Grüner, and Jens Oddershede. Computational implementation of the polarization propagator method. *Computer Physics Communications*, 30(4):349-358, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900760>.

DeBlasi:1985:CMS

- [DGPM85] C. De Blasi, L. Guercia, C. Paracelli, and C. Manfredotti. A class of methods for smoothing and numerical derivation of functions. *Computer Physics Communications*, 36(4):339-343, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900220>.

Dragoun:1984:PCI

- [DH84a] O. Dragoun and G. Heuser. A program to calculate internal conversion coefficients for all atomic shells without screening. *Computer Physics Communications*, 35(1-3):C-108, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823668>.

Dudder:1984:RTD

- [DH84b] H. D. Dudder and D. B. Henderson. Ramses, a two-dimensional PIC type, laser pulse propagation code. *Com-*

puter Physics Communications, 35(1-3):C-334-C-335, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825588>.

Delbrouck-Habaru:1984:BSO

- [DHD84] J. M. Delbrouck-Habaru and Daniel M. Dubois. Bound states of one nucleon in a Woods-Saxon well from a variational method. *Computer Physics Communications*, 35(1-3):C-286, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825163>.

Der:1984:PCI

- [DHN84] R. Der, D. Hinneburg, and M. Nagel. A program to calculate internal conversion coefficients including higher-order corrections for all atomic shells. *Computer Physics Communications*, 35(1-3):C-603, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827721>.

DiMarzio:1986:IPA

- [Di 86] F. Di Marzio. An improved procedure for the accurate evaluation of polygamma functions with integer and half-integer argument. *Computer Physics Communications*, 39(3):343-345, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900950>.

DiMarzio:1987:VAS

- [Di 87] F. Di Marzio. The very accurate summation of inverse powers and the generation of Bernoulli and Euler numbers. *Computer Physics Communications*, 44(1-2):57-62, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900166>.

Dickinson:1982:ONW

- [Dic82] A. Dickinson. Optimizing numerical weather forecasting models for the Cray-1 and Cyber 205 computers. *Computer Physics Communications*, 26(3-4):459-468, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901436>.

Dietz:1988:IIG

- [Die88] F. Dietz. INPLO: An interactive graphics tool. *Computer Physics Communications*, 50(1-2):241-245, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901312>.

Dittus:1989:PPA

- [Dit89] Fridolin Dittus. Parallel processing with attached processors in a computer center environment. *Computer Physics Communications*, 57(1-3):395-400, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902506>.

Diercksen:1982:ESD

- [DK82] G. H. F. Diercksen and W. P. Kraemer. External standard data structures for computation in chemistry. *Computer Physics Communications*, 25(1):1-6, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900388>.

Dagher:1987:DPC

- [DK87a] Mounzer Dagher and Hafez Kobeissi. DIRIGE — a program for calculating eigenvalues and initial values of log derivative eigenfunctions for a diatomic molecule. *Computer Physics Communications*, 46(3):445-451, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900981>.

Dagher:1987:FPC

- [DK87b] Mounzer Dagher and Hafez Kobeissi. FFC — a program for calculating Franck-Condon factors and *R*-centroids for transitions between the vibrational-rotational levels of two electronic states of a diatomic molecule. *Computer Physics Communications*, 47(2-3):305-309, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901160>.

Diercksen:1987:IPM

- [DK87c] Geerd H. F. Diercksen and Jacek Karwowski. Invariance properties of the moments of the Hamiltonian matrix as a test of the correctness of configuration interaction programs. *Computer Physics Communications*, 47(1):83–89, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900683>.

Duek:1985:CLM

- [DKA85] E. Duek, L. Kowalski, and John M. Alexander. The code LINDA: a Monte Carlo reaction simulation for correlated fragments and evaporation residues formed in nuclear reactions. *Computer Physics Communications*, 34(4):395–413, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900682>.

Delannoy:1986:MCP

- [DL86] Claude Delannoy and François Lefevre. Maxentwdf — a computer program for the maximum entropy estimation of a wave distribution function. *Computer Physics Communications*, 40(2–3):389–419, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901219>.

Dasso:1987:CSC

- [DL87] C. H. Dasso and S. Landowne. CCFUS — a simplified coupled-channel code for calculation of fusion cross sections in heavy-ion reactions. *Computer Physics Communications*, 46(1):187–191, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900452>.

Denby:1989:SHN

- [DL89] Bruce Denby and Stephen L. Linn. Status of HEP neural net research in the USA. *Computer Physics Communications*, 57(1–3):297–300, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902312>.

DeSanctis:1983:PMC

- [DLB83] E. De Sanctis, V. Lucherini, and V. Bellini. Phocha: a Monte Carlo program to calculate the characteristics of a beam of photons produced by annihilation and Bremsstrahlung of relativistic positrons. *Computer Physics Communications*, 30(1):71–85, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901248>.

DeSanctis:1984:PMC

- [DLB84] E. De Sanctis, V. Lucherini, and V. Bellini. Phocha: a Monte Carlo program to calculate the characteristics of a beam of photons produced by annihilation and Bremsstrahlung of relativistic positrons. *Computer Physics Communications*, 35(1-3):C-901, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830003>.

Draayer:1989:R

- [DLPL89] J. P. Draayer, Y. Leschber, S. C. Park, and R. Lopez. Representations of $U(3)$ in $U(N)$. *Computer Physics Communications*, 56(2):279–290, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900246>.

Davisson:1986:APD

- [DM86a] C. M. Davisson and Irwin Manning. Adaptation of a program for depth distribution of energy deposition by ion bombardment: Better stopping powers. *Computer Physics Communications*, 42(1):137–147, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902389>.

Degtyarev:1986:MNS

- [DM86b] L. M. Degtyarev and S. Yu. Medvedev. Methods for numerical simulation of ideal MHD stability of axisymmetric plasmas. *Computer Physics Communications*, 43(1):29–56, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900524>.

DiGenova:1987:CAI

- [DM87] Glauco Di Genova and Marco Matone. A compact algorithm for the implementation of Monte Carlo kinematics in computer simulations of d -dimensional lattice gauge theories. *Computer Physics Communications*, 47(2-3):235–244, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790110X>.

Delic:1988:SCS

- [DM88a] G. Delic and S. M. Malherbe. Subroutines for convolution sums of Chebyshev and Fourier series. *Computer Physics Communications*, 48(2):305–312, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900495>.

Delic:1988:SIS

- [DM88b] G. Delic and S. M. Malherbe. Subroutines for integration of systems of first order ODE's. *Computer Physics Communications*, 48(2):293–304, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900483>.

Davidson:1989:BEP

- [DM89a] D. B. Davidson and D. A. McNamara. A boundary element program package for electromagnetic excitation of conducting bodies of revolution by an asymmetrical slot. *Computer Physics Communications*, 56(2):249–257, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900222>.

Drouffe:1989:FCT

- [DM89b] J.-M. Drouffe and K. J. M. Moriarty. FORTRAN code for the three-dimensional Ising model on bcc and fcc lattices. *Computer Physics Communications*, 52(2):249–259, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900088>.

Drouffe:1983:MCS

- [DMM83] J.-M. Drouffe, K. J. M. Moriarty, and C. N. Mouhas. Monte Carlo simulation of pure $U(N)$ and $SU(N)$ gauge theories on a simplicial lattice. *Computer Physics Communications*, 30(3):249–254, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900929>.

Ddgar:1984:MCS

- [DMM84a] R. C. Ddgar, L. McCrossen, and K. J. M. Moriarty. Monte Carlo simulation of $U(1)$ lattice gauge theory. *Computer Physics Communications*, 35(1–3):C–695, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828441>.

Drouffe:1984:MCS

- [DMM84b] J.-M. Drouffe, K. J. M. Moriarty, and C. N. Mouhas. Monte Carlo simulation of pure $U(N)$ and $SU(N)$ gauge theories on a simplicial lattice. *Computer Physics Communications*, 35(1–3):C–913, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558483012X>.

D'Aguanno:1983:CPM

- [DNR83] B. D'Aguanno, A. Nobile, and E. Roman. CHPACK: a package for the manipulation of Chebyshev approximations. *Computer Physics Communications*, 29(4):361–374, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900152>.

D'Aguanno:1984:CPM

- [DNR84] B. D'Aguanno, A. Nobile, and E. Roman. Chpack: a package for the manipulation of Chebyshev approximations. *Computer Physics Communications*, 35(1–3):C–888, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829914>.

Durgapal:1984:PCV

- [DO84] P. Durgapal and D. S. Onley. A program to calculate virtual photon spectrum in second order born approxima-

tion. *Computer Physics Communications*, 32(3):291–307, June 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900924>.

Dobes:1984:CGH

- [Dob84] J. Dobes. Calculations of generalized harmonic oscillator brackets. *Computer Physics Communications*, 35(1–3):C–548, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827241>.

Dobes:1985:FFM

- [Dob85] K. Dobes. Formal — a Fortran memory allocation system. *Computer Physics Communications*, 36(2):147–159, April 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901201>.

Dobberstein:1989:CZF

- [Dob89] M. P. Dobberstein. The calibration of the Zeus forward drift chamber: An application for software with a high degree of parallelism. *Computer Physics Communications*, 57(1–3):483–485, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902683>.

Dommaschk:1986:RVP

- [Dom86] W. Dommaschk. Representations for vacuum potentials in stellarators. *Computer Physics Communications*, 40(2–3):203–218, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901098>.

Dorfi:1986:NMA

- [Dor86] E. A. Dorfi. Numerical methods for astrophysical plasmas. *Computer Physics Communications*, 43(1):1–15, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900500>.

Dowsing:1982:PLM

- [Dow82a] R. D. Dowsing. Programming languages for microcomputers. *Computer Physics Communications*, 26(1-2):41-48, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901576>.

Dowsing:1982:SDM

- [Dow82b] R. D. Dowsing. Software design methodologies for microcomputers. *Computer Physics Communications*, 26(1-2):49-56, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901588>.

Dowsing:1982:SDC

- [Dow82c] R. D. Dowsing. Software for distributed computing. *Computer Physics Communications*, 26(1-2):35-40, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901564>.

Duhamel:1984:EDP

- [DP84] Christian Duhamel and Gérard Parlant. Estimation of densities of probability and regression surfaces in one or two dimensions. *Computer Physics Communications*, 32(1):21-27, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900043>.

Dasso:1988:TSC

- [DP88] C. H. Dasso and G. Pollarolo. TORINO — a semiclassical coupled channel code for heavy ion reactions. *Computer Physics Communications*, 50(3):341-366, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901907>.

DaRocha:1989:SQA

- [DP89] Ana Regina C. Da Rocha and Simoni Palermo. Software quality assurance in HEP. *Computer Physics Communications*, 57(1-3):524-527, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902798>.

Durham:1982:CXR

- [DPH82] P. J. Durham, J. B. Pendry, and C. H. Hodges. Calculation of X-ray absorption near-edge structure, XANES. *Computer Physics Communications*, 25(2):193–205, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900352>.

Durham:1984:CXR

- [DPH84] P. J. Durham, J. B. Pendry, and C. H. Hodges. Calculation of X-ray absorption near-edge structure, xanes. *Computer Physics Communications*, 35(1–3):C-781–C-782, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829082>.

Duff:1982:ESM

- [DR82] I. S. Duff and J. K. Reid. Experience of sparse matrix codes on the Cray-1. *Computer Physics Communications*, 26(3–4):293–302, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901199>.

Demichev:1985:RPC

- [DR85] A. P. Demichev and A. Ya. Rodionov. A REDUCE program for the calculation of geometrical characteristics of compactified multidimensional Riemannian space. *Computer Physics Communications*, 38(3):441–448, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901122>.

Docherty:1988:MCP

- [DRD88] R. Docherty, K. J. Roberts, and E. Dowty. Morang — a computer program designed to aid in the determinations of crystal morphology. *Computer Physics Communications*, 51(3):423–430, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901555>.

Dullemond:1982:NMS

- [DRRvB82] C. Dullemond, G. Rupp, T. A. Rijken, and E. van Beveren. A numerical method for solving a coupled channel Schrödinger equation. *Computer Physics Communications*, 27(4):377–384, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900996>.

Drummond:1983:CPD

- [Dru83] P. D. Drummond. Central partial difference propagation algorithms. *Computer Physics Communications*, 29(3):211–225, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900012>.

Delves:1982:DSD

- [DS82] L. M. Delves and A. Samba. Deconvolution of seismic data. *Computer Physics Communications*, 26(3–4):473–476, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290145X>.

Deutz:1983:PCE

- [DS83] J. W. Deutz and H. R. Schober. Program to calculate elastic Green's functions, displacement fields and interaction energies in cubic materials. *Computer Physics Communications*, 30(1):87–91, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390125X>.

Deutz:1984:PCE

- [DS84a] J. W. Deutz and H. R. Schober. Program to calculate elastic Green's functions, displacement fields and interaction energies in cubic materials. *Computer Physics Communications*, 35(1–3):C–902, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830015>.

Dufour:1984:GPM

- [DS84b] P. Dufour and J. Schlesinger. A general purpose Monte-Carlo program. *Computer Physics Communications*, 35(1–3):C–317,

???? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825424>.

Defranceschi:1989:NIS

- [DS89] M. Defranceschi and M. Sarrazin. Numerical integration over a spherical shell. *Computer Physics Communications*, 52(3):409–414, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990115X>.

Demsky:1983:MMC

- [DSK83] J. Demsky, M. Schlesinger, and R. D. Kent. Micro/mini computer program for calculating the square root of rationals at arbitrary precision. *Computer Physics Communications*, 29(3):237–244, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900048>.

Davies:1984:DDI

- [DSK84a] Alan R. Davies, Kenneth Smith, and K. L. Kwok. DIRAC dynamic information retrieval of atomic codes: II. Implementation. *Computer Physics Communications*, 35(1–3):C–216–C–217, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824583>.

Demsky:1984:MMC

- [DSK84b] J. Demsky, M. Schlesinger, and R. D. Kent. Micro/mini computer program for calculating the square root of rationals at arbitrary precision. *Computer Physics Communications*, 35(1–3):C–877, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829811>.

Daul:1981:SES

- [DSM⁺81] C. Daul, C. W. Schlöpfer, B. Mohos, J. Ammeter, and E. Gamp. Simulation of EPR-spectra of randomly oriented samples. *Computer Physics Communications*, 21(3):385–395, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900151>.

Daul:1984:SES

- [DSM⁺84] C. Daul, C. W. Schlöpfer, B. Mohos, J. Ammeter, and E. Gamp. Simulation of EPR-spectra of randomly oriented samples. *Computer Physics Communications*, 35(1–3):C–674, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828271>.

Dios:1986:DIC

- [DSS86] Z. Diós, K. Sepsy, I. Szabó, and G. Székely. Design and implementation of a control system to a quadrupole mass spectrometer. *Computer Physics Communications*, 41(2–3):423–425, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900846>.

Davies:1980:ICL

- [DST80] A. R. Davies, Kenneth Smith, and R. M. Thomson. IN-JLOK — a CO₂ laser injection locking code. *Computer Physics Communications*, 20(3):413–420, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900181>.

Davies:1984:ICL

- [DST84a] A. R. Davies, Kenneth Smith, and R. M. Thomson. Injlok — a CO₂ laser injection locking code. *Computer Physics Communications*, 35(1–3):C–644, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828040>.

Davies:1984:TCL

- [DST84b] A. R. Davies, Kenneth Smith, and R. M. Thomson. Tlaser — a CO₂ laser kinetics code. *Computer Physics Communications*, 35(1–3):C–332, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825564>.

Datta:1984:VNO

- [DTE84] S. K. Datta, W. J. Thompson, and D. O. Elliott. A version of a nuclear optical model code for small computers designed to

run on a PDP-15. *Computer Physics Communications*, 35(1-3): C-250, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824868>.

Dubey:1989:TIM

- [DU89] I. P. Dubey and S. K. Upadhyay. A trivariate interpolation method developed on the basis of Akima's bivariate interpolation procedure. *Computer Physics Communications*, 54(1): 23-29, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900295>.

Duch:1980:LSF

- [Duc80] Wlodzislaw Duch. Large scale N -fermion calculations. *Computer Physics Communications*, 20(1):49-52, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090106X>.

Duch:1986:BRB

- [Duc86] Wlodzislaw Duch. Book review: *Microcomputer Quantum Mechanics*: Second edition, J. P. Killingbeck (University of Hull), Adam Hilger Ltd., Bristol and Boston, 1985. xii + 188 pp. £12.95/\$20.00. *Computer Physics Communications*, 39(2):301-302, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901402>.

Dufton:1984:PCC

- [Duf84] P. L. Dufton. A program to calculate coronal emission line strengths. *Computer Physics Communications*, 35(1-3):C-410, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482620X>.

Duff:1985:USE

- [Duf85] Iain S. Duff. The use of supercomputers in Europe. *Computer Physics Communications*, 37(1-3):15-25, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901328>.

Dunwoodie:1987:UCG

- [Dun87] W. Dunwoodie. The use of color and gray-scale scatterplots in the analysis of high-energy physics data. *Computer Physics Communications*, 45(1-3):485, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901974>.

Draayer:1985:MSD

- [DV85] J. P. Draayer and H. T. Valdes. Model space dimensionalities for multiparticle fermion systems. *Computer Physics Communications*, 36(3):313-320, May 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590058X>.

DeMeyer:1987:TPP

- [DVD87] H. De Meyer, G. Vanden Berghe, and P. De Wilde. Two programs to perform certain symbolic calculations in the enveloping algebra of a Lie algebra. *Computer Physics Communications*, 44(1-2):197-208, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900270>.

Dodds:1984:VCC

- [DW84] R. McD. Dodds and G. Wiechers. Vector coupling coefficients as products of prime factors. *Computer Physics Communications*, 35(1-3):C-160, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482411X>.

Davie:1988:TSB

- [DW88] K. Davie and R. Wallace. Title — solution of bound state single variable eigenproblems by the extended renormalized Numerov method. *Computer Physics Communications*, 51(1-2):217-223, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900732>.

Davie:1989:OGJ

- [DW89] K. Davie and R. Wallace. Orthogonal generalized Jacobi coordinates for N -body systems. *Computer Physics Communications*, 55(3):463–468, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901380>.

Duneczky:1989:IMS

- [DWC⁺89] Csilla Duneczky, Robert E. Wyatt, David Chatfield, Kenneth Haug, David W. Schwenke, Donald G. Truhlar, Yan Sun, and Donald J. Kouri. Iterative methods for solving the non-sparse equations of quantum mechanical reactive scattering. *Computer Physics Communications*, 53(1–3):357–379, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901732>.

Dupuis:1989:GAM

- [DWHV89] M. Dupuis, J. D. Watts, H. O. Villar, and G. J. B. Hurst. The general atomic and molecular electronic structure system HONDO: Version 7.0. *Computer Physics Communications*, 52(3):415–425, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901161>.

Dyall:1986:TPC

- [Dya86] K. G. Dyall. Transform: a program to calculate transformations between various jj and LS coupling schemes. *Computer Physics Communications*, 39(1):141–152, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901694>.

Ekholm:1983:CSN

- [EA83] K. T. Ekholm and A. M. Aurela. Counting a small number of radioactive atoms Monte Carlo program. *Computer Physics Communications*, 29(2):163–170, April 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900711>.

Ekholm:1984:CSN

- [EA84] K. T. Ekholm and A. M. Aurela. Counting a small number of radioactive atoms Monte Carlo program. *Computer Physics Communications*, 35(1-3):C-872, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829768>.

Elman:1989:OTP

- [EA89] Howard C. Elman and Elvira Agrón. Ordering techniques for the preconditioned conjugate gradient method on parallel computers. *Computer Physics Communications*, 53(1-3):253-269, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901641>.

Eastwood:1980:BRB

- [Eas80] J. W. Eastwood. Book review: *An introduction to computational fluid mechanics*: C.-Y. Chow, Wiley, 1979. 396 pages. \$11.50. *Computer Physics Communications*, 20(2):321-322, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900107>.

Eastwood:1982:BRB

- [Eas82] J. W. Eastwood. Book review: *Parallel computers: Architecture, programming and algorithms*: R. W. Hockney and C. R. Jesshope, Adam-Hilger, Bristol, 1981. xii + 416 pages. £22.50. *Computer Physics Communications*, 27(1):104, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900169>.

Eastwood:1984:BRBb

- [Eas84a] J. W. Eastwood. Book review: *Computational methods for fluid flow*: R. Peyret and T. D. Taylor 1982, 125 figs., 358 pages, DM 92; approx. US \$36.80 Springer-Verlag, Berlin-Heidelberg- New York ISBN 3-540-11147-6. *Computer Physics Communications*, 32(4):439-440, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900602>.

Eastwood:1984:BRBa

- [Eas84b] J. W. Eastwood. Book review: *Springer series in computational physics*: Editors: H. Cabannes, M. Holt, H. B. Keller, J. Killeen and S. A. Orszag. *Computer Physics Communications*, 32(4): 439, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900596>.

Eastwood:1986:PSM

- [Eas86] James W. Eastwood. Particle simulation methods in plasma physics. *Computer Physics Communications*, 43(1):89–106, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690055X>.

Eastwood:1987:ORP

- [Eas87a] James W. Eastwood. ORTHOVEC: A REDUCE program for 3-D vector analysis in orthogonal curvilinear coordinates. *Computer Physics Communications*, 47(1):139–147, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900737>.

Eastwood:1987:SAE

- [Eas87b] James W. Eastwood. The stability and accuracy of EPIC algorithms. *Computer Physics Communications*, 44(1–2):73–82, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790018X>.

Eastwood:1988:LDF

- [Eas88] James W. Eastwood. Low dissipation fluid and MHD simulation. *Computer Physics Communications*, 48(1):17–23, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900197>.

Eastwood:1989:BRB

- [Eas89] J. W. Eastwood. Book review: *Computer simulation and computer algebra*: D. Stauffer, F. W. Hehl, V. Winkelmann and J. G. Zabolitzky, Springer-Verlag, Berlin, 1988,

155 Pages. DM 34 (soft cover). ISBN 3-540-18909-2. *Computer Physics Communications*, 54(1):199, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900453>.

Ebel:1984:RNI

- [Ebe84] G. Ebel. The role of a national information center. *Computer Physics Communications*, 33(1-3):211-215, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901243>.

Ernenwein:1988:VSC

- [EBS88] René Ernenwein, Marc Benard, and Isaiah Shavitt. Vectorizing a sequence of conditional branches: The calculation of the class index of two-electron repulsion integrals on Cray computers. *Computer Physics Communications*, 48(2):175-180, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900380>.

Egecioglu:1984:MRI

- [EC84] Ömer Egecioglu and Geraldo M. Costa. Murnaghan's rule and the irreducible characters of the symmetric group. *Computer Physics Communications*, 31(4):357-362, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900195>.

Eckermann:1984:FTP

- [Eck84] R. Eckermann. A flexible thermophysical property information system for chemical engineering and chemical process design. *Computer Physics Communications*, 33(1-3):245-256, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901309>.

Edery:1984:CSS

- [Ede84] D. Edery. Calculations of stationary solutions for the non-linear viscous resistive MHD equations in slab geometry. *Computer Physics Communications*, 31(2-3):149-153, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900420>.

Etchegoyen:1989:MIF

- [EE89] A. Etchegoyen and M. C. Etchegoyen. Microscopic inelastic form factors for heavy-ion reactions. *Computer Physics Communications*, 55(2):217–226, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900787>.

Etchegoyen:1989:EHT

- [EEV89] A. Etchegoyen, M. C. Etchegoyen, and E. G. Vergini. Evaluation of Hamiltonian two-body matrix elements. *Computer Physics Communications*, 55(2):227–231, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900799>.

El-Fayoumi:1981:PLW

- [EFES81] M. K. K. El-Fayoumi and W. A. El-Sebaii. On the phenical Lax–Wendroff method. *Computer Physics Communications*, 23(1):27–30, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901260>.

El-Fayoumi:1983:DDE

- [EFES83] M. K. K. El-Fayoumi and W. A. El-Sebaii. Diffusion and dispersion errors of the flux corrected upwind method. *Computer Physics Communications*, 28(3):317–321, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900498>.

Eliseev:1985:RPD

- [EFK85] V. P. Eliseev, R. N. Fedorova, and V. V. Kornyak. A REDUCE program for determining point and contact Lie symmetries of differential equations. *Computer Physics Communications*, 36(4):383–389, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590027X>.

Egecioglu:1982:COP

- [Eğ82] Ömer Egecioglu. Computation of outer products of Schur functions. *Computer Physics Communications*, 28(2):183–187, December 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900534>.

Egecioglu:1984:COP

- [Ege84] Ömer Egecioglu. Computation of outer products of Schur functions. *Computer Physics Communications*, 35(1–3):C–843, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829525>.

Ermler:1988:PSF

- [EHH88] Walter C. Ermler, Hsiuchin C. Hsieh, and Lawrence B. Harding. Polyatomic surface fitting, vibrational-rotational analysis, expectation value and intensity program. *Computer Physics Communications*, 51(1–2):257–284, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900768>.

Eastwood:1980:PTD

- [EHL80] J. W. Eastwood, R. W. Hockney, and D. N. Lawrence. P3M3DP—the three-dimensional periodic particle-particle/particle-mesh program. *Computer Physics Communications*, 19(2):215–261, April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900521>.

Eastwood:1984:PTD

- [EHL84] J. W. Eastwood, R. W. Hockney, and D. N. Lawrence. P3M3DP—the three-dimensional periodic particle-particle/particle-mesh program. *Computer Physics Communications*, 35(1–3):C–618–C–619, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827836>.

Eberhard:1984:UMO

- [EK84] Philippe H. Eberhard and Werner O. Koellner. Users manual for the optime system. *Computer Physics Com-*

munications, 35(1-3):C-173-C-174, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824224>.

Erwin:1986:SDE

- [EK86] D. A. Erwin and J. A. Kunc. Scalar DC electrical conductivity of partially ionized gases. *Computer Physics Communications*, 42(1):119-125, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902365>.

Ekstrom:1984:DCP

- [Eks84] L. P. Ekström. Delta — a computer program to analyze gamma-gamma angular correlations from unaligned states. *Computer Physics Communications*, 32(4):399-411, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900560>.

Elder:1984:DBM

- [Eld84] Michael Elder. Data base management systems for experimental and calculation results. *Computer Physics Communications*, 33(1-3):41-47, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490105X>.

Egan:1988:CRT

- [ELS88] Michael P. Egan, Chun Ming Leung, and George F. Spagna, Jr. CSDUST3: a radiation transport code for a dusty medium with 1-d planar, spherical or cylindrical geometry. *Computer Physics Communications*, 48(2):271-292, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900471>.

Eisenstein:1984:DCP

- [EM84a] R. A. Eisenstein and G. A. Miller. DWPI: a computer program to calculate the inelastic scattering of pions from nuclei. *Computer Physics Communications*, 35(1-3):C-365-C-366, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825825>.

Eisenstein:1984:PCP

- [EM84b] R. A. Eisenstein and G. A. Miller. Pirk: a computer program to calculate the elastic scattering of pions from nuclei. *Computer Physics Communications*, 35(1-3):C-269, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825035>.

Edgar:1981:MCS

- [EMM81] R. C. Edgar, L. McCrossen, and K. J. M. Moriarty. Monte Carlo simulation of U(1) lattice gauge theory. *Computer Physics Communications*, 22(4):433-437, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901405>.

Errea:1984:CAF

- [EMR84] L. F. Errea, L. Méndez, and A. Riera. Calculation of the auxiliary functions $F_m(z)$. *Computer Physics Communications*, 31(1):47-52, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490081X>.

Engelmann:1986:IPR

- [ENSC86] Alejandro R. Engelmann, Mario A. Natiello, Gustavo E. Scuseria, and Rubén H. Contreras. IPPP — a program for the RPA calculation of transmission mechanisms of spin-spin coupling constants. *Computer Physics Communications*, 39(3):409-420, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900974>.

Edery:1986:FEA

- [EP86] D. Edery and H. Picq. A finite element approach for ICRF heating calculations in real tokamak plasmas. *Computer Physics Communications*, 40(1):95-98, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901505>.

Edery:1981:ETC

- [EPS81] D. Edery, R. Pellat, and J. L. Soulé. Effects of toroidal coupling on the non-linear evolution of tearing modes and on the stochastisation of the magnetic field topology in plasmas. *Computer Physics Communications*, 24(3–4):427–436, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901673>.

Epperlein:1988:CSV

- [ERB88] E. M. Epperlein, G. J. Rickard, and A. R. Bell. A code for the solution of the Vlasov–Fokker–Planck equation in 1-D or 2-D. *Computer Physics Communications*, 52(1):7–13, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901658>.

Erisman:1985:CK

- [Eri85] A. M. Erisman. Computational kernels. *Computer Physics Communications*, 37(1–3):149–157, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590147X>.

Evangelakis:1987:MPS

- [ERLD87] G. A. Evangelakis, J. P. Rizos, I. E. Lagaris, and I. N. Demetropoulos. Merlin — a portable system for multidimensional minimization. *Computer Physics Communications*, 46(3):401–415, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900944>.

Eisenstein:1984:PMS

- [ET84] R. A. Eisenstein and Frank Tabakin. PIPIT: a momentum space optical potential code for pions. *Computer Physics Communications*, 35(1–3):C–402, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826120>.

Eastgate:1984:NOM

- [ETH84] R. J. Eastgate, W. J. Thompson, and R. A. Hardekopf. A nuclear optical model code for small computers. *Computer Physics Communications*, 35(1–3):C–168–C–169, ???

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824194>.

Ezhela:1984:PPD

- [Ezh84] V. V. Ezhela. Particle physics data systematization at IHEP. *Computer Physics Communications*, 33(1–3):225–228, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901279>.

Fujiki:1982:CCA

- [FAK82] Sumiyoshi Fujiki, Yoshihiko Abe, and Shigetoshi Katsura. Cube cluster approximation for the spin glass in the simple cubic lattice. *Computer Physics Communications*, 25(2):119–123, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900285>.

Feng:1984:PCC

- [FB84] Da Hsuan Feng and A. R. Barnett. Patiwen — a code for Coulomb-nuclear interference calculations. *Computer Physics Communications*, 35(1–3):C-351–C-352, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825722>.

Foresti:1988:MSM

- [FBS88] S. Foresti, G. Brussino, and V. Sonnad. Multilevel solution method for the p -version of finite elements: Parallel implementation and comparison with other solution methods. Technical Report KGN-137, IBM Corporation, Center for Scientific & Engineering Computations, Dept. 48B/428, Neighborhood Road, Kingston NY 12401, 1988. This technical report is an extended version of a published paper [FBS89]. The IBM Kingston Center for Scientific & Engineering Computations was closed. Please contact the author at his present address.

Foresti:1989:MSM

- [FBS89] S. Foresti, G. Brussino, and V. Sonnad. Multilevel solution method for the p -version of finite elements. *Computer Physics Communications*, 53(1–3):349–355, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901720>. The technical report [FBS88] is an extended version of this paper.

Festean-Barrioz:1982:LAS

- [FBW82] M. C. Festean-Barrioz and E. S. Weibel. Large amplitude solutions of the nonlinear wave equation for an ideal, cold three-fluid plasma. *Computer Physics Communications*, 27(1):11–23, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900030>.

Fleurier:1984:IAI

- [FC84a] C. Fleurier and J. Chapelle. Inversion of ABEL's integral equation — application to plasma spectroscopy. *Computer Physics Communications*, 35(1–3):C-237, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824765>.

Foster:1984:PAE

- [FC84b] B. P. Foster and D. C. Camp. Programs to aid in establishing gamma-ray decay schemes. DCSC3 and DCSC4. *Computer Physics Communications*, 35(1–3):C-94, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482353X>.

Fang:1984:CSS

- [FCW84] M. T. C. Fang, S. K. Chan, and R. D. Wright. The computation of steady state arcs in nozzle flow. *Computer Physics Communications*, 35(1–3):C-437, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826454>.

Fried:1988:PPC

- [FE88] Laurence E. Fried and Gregory S. Ezra. PERTURB: a program for calculating vibrational energies by generalized algebraic quantization. *Computer Physics Communications*, 51(1–2):103–114, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900653>.

Femenia:1984:CPC

- [Fem84] F. R. Femenia. Codnum, a program to change the punching code and to number a deck of cards. *Computer Physics Communications*, 35(1-3):C-77, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823401>.

Ferguson:1984:PCXb

- [Fer84] I. F. Ferguson. A program for the calculation of X-ray reflection intensities, part 2. *Computer Physics Communications*, 35(1-3):C-326, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825497>.

Fernandez:1989:MCC

- [Fer89] J. E. Fernandez. Monte Carlo computer simulation of the XRF intensity dependence on the propagation plane inclination. *Computer Physics Communications*, 54(2-3):211-220, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900830>.

Ferguson:1984:PCP

- [FFH84] I. F. Ferguson, R. S. Fox, and T. E. Hughes. A program for the calculation of the positions of X-ray powder reflections. *Computer Physics Communications*, 35(1-3):C-406, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826156>.

Falck:1989:CSF

- [FGK89] N. K. Falck, D. Graudenz, and G. Kramer. Cross section for five-parton production in e^+e^- annihilation. *Computer Physics Communications*, 56(2):181-198, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900192>.

Falkensteiner:1985:SSE

- [FGSH85] P. Falkensteiner, H. Grosse, F. Schöberl, and P. Hertel. Solving the Schrödinger equation for bound states. *Computer Physics Communications*, 34(3):287–293, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900050>.

Fleming:1988:RHM

- [FH88a] Patrick R. Fleming and John S. Hutchinson. Representation of the Hamiltonian matrix in non-local coordinates for an acetylene bond-mode model. *Computer Physics Communications*, 51(1–2):59–71, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900628>.

Frederick:1988:QVE

- [FH88b] John H. Frederick and Eric J. Heller. Quantum vibrational eigenstates from classical origins. *Computer Physics Communications*, 51(1–2):83–102, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900641>.

Ferguson:1984:PCI

- [FHMR84] I. F. Ferguson, A. D. Hardy, M. U. Modi, and A. H. Rogerson. A program for the calculation of the intensities of X-ray or neutron powder reflections, part 3. *Computer Physics Communications*, 32(1):83–94, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900109>.

Fiala:1984:SDB

- [Fia84] Jaroslav Fiala. Spectral data bases for chemical compound identification. *Computer Physics Communications*, 33(1–3):85–92, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901103>■

Fiebig:1980:SFA

- [Fie80] H. R. Fiebig. A spline function approach to the numerical treatment of scattering and bound-state problems for nonlocal potentials. *Computer Physics Communications*, 20(2):181–189, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900016>.

Fiebig:1981:SFP

- [Fie81] H. R. Fiebig. A spline function program for treating nonlocal potentials. *Computer Physics Communications*, 23(2):135–143, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190028X>.

Fiebig:1984:SFP

- [Fie84] H. R. Fiebig. A spline function program for treating nonlocal potentials. *Computer Physics Communications*, 35(1–3):C–711, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828556>.

Fincham:1980:PMD

- [Fin80] David Fincham. Programs for the molecular dynamics simulation of liquids: I. Spherical molecules with short-ranged interactions. *Computer Physics Communications*, 21(2):247–256, December 2, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900430>.

Fincham:1982:PDS

- [Fin82] D. Fincham. Programs for the dynamic simulation of liquids and solids II. MDIONS: Rigid ions using the Ewald sum (vectorised version on the Cray-1). *Computer Physics Communications*, 25(2):177–179, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900339>.

Fincham:1984:PDS

- [Fin84a] D. Fincham. Programs for the dynamic simulation of liquids and solids II. Mdions: Rigid ions using the Ewald sum (vectorised version on the Cray-1). *Computer Physics Communications*, 35(1–3):C–779, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829069>■

Fincham:1984:PMD

- [Fin84b] David Fincham. Programs for the molecular dynamics simulation of liquids: I. Spherical molecules with short-ranged interactions. *Computer Physics Communications*, 35(1-3):C-665, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828210>.

Fincham:1986:CTM

- [Fin86] David Fincham. Choice of timestep in molecular dynamics simulation. *Computer Physics Communications*, 40(2-3):263-269, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690113X>.

Fincham:1987:BRB

- [Fin87] David Fincham. Book review: *Computer Simulation Methods in Theoretical Physics*: D. W. Heermann, Springer-Verlag, Berlin, Heidelberg, New York, London, Paris, Tokyo, 1986. 148 pages. ISBN 3-540-16966-0. DM 54 (hard cover). *Computer Physics Communications*, 46(1):203-204, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900476>.

Friedman:1989:MPM

- [FJ89] R. S. Friedman and M. J. Jamieson. Model potentials for multichannel eigenvalue problems. *Computer Physics Communications*, 55(2):137-140, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900726>.

Ferguson:1984:PCXa

- [FK84] I. F. Ferguson and J. E. Kirwan. A program for the calculation of X-ray reflection intensities. *Computer Physics Communications*, 35(1-3):C-187, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824339>■

Fedorova:1986:DLB

- [FK86a] R. N. Fedorova and V. V. Korniyak. Determination of Lie-Bäcklund symmetries of differential equations using `formac`. *Computer Physics Communications*, 39(1):93–103, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901657>.

Feldmar:1986:RPM

- [FK86b] E. Feldmar and K. S. Kölbig. Reduce procedures for the manipulation of generalized power series. *Computer Physics Communications*, 39(2):267–284, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901372>.

Fraga:1987:RAS

- [FKM⁺87] Serafin Fraga, Mariusz Klobukowski, Janina Muszynska, K. M. S. Saxena, Jose A. Sordo, John D. Climenhaga, and Paul Clark. Research in atomic structure: a configuration interaction program with relativistic corrections. *Computer Physics Communications*, 47(1):159–172, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900750>.

Feng:1984:EFR

- [FKU⁺84] D. H. Feng, B. T. Kim, T. Udagawa, T. Tamura, and K. S. Low. Exact finite-range microscopic calculations for heavy-ion induced two-nucleon transfer reactions. *Computer Physics Communications*, 35(1–3):C-404–C-405, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826144>.

Flanders:1982:NNM

- [Fla82] P. M. Flanders. Non-numerical methods on parallel computers. *Computer Physics Communications*, 26(3–4):363–371, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901308>.

Flerackers:1981:FCP

- [Fle81] E. Flerackers. FMEHAM: a computer program for triaxial Projected Hartree–Fock calculations. *Computer Physics Communications*, 22(2–3):215–221, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900527>.

Flieller:1989:NIV

- [Fli89] Sylvain Flieller. T.node, industrial version of supernode. *Computer Physics Communications*, 57(1–3):492–494, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902701>.

Feneberg:1984:FCP

- [FLM84] W. Feneberg, K. Lackner, and P. Martin. Fast control of the plasma surface. *Computer Physics Communications*, 31(2–3):143–148, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900419>.

Fluckiger:1989:OHW

- [Flu89] Francois Fluckiger. Overview of HEP wide area networking: Producer perspective. *Computer Physics Communications*, 57(1–3):183–187, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902099>.

Fijalkow:1984:RPP

- [FM84] E. Fijalkow and G. Mourgues. Radiation potential of a point antenna immersed in drifting cold or hot (hydrodynamical) plasma. *Computer Physics Communications*, 35(1–3):C–598, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827678>.

Flach:1985:BDS

- [FM85] L. Flach and D. A. McNamara. Block data subprograms for finite element program packages. *Computer Physics Communications*, 36(2):223–224, April 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901262>.

Friedman:1987:IRT

- [FMS87] Jerome H. Friedman, John Alan McDonald, and Werner Stuetzle. An introduction to real-time graphical techniques for analyzing multivariate data. *Computer Physics Communications*, 45(1-3):161-167, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901512>.

Fernandez-Niello:1989:CSC

- [FNDL89] J. Fernández-Niello, C. H. Dasso, and S. Landowne. CCDEF — a simplified coupled-channel code for fusion cross sections including static nuclear deformations. *Computer Physics Communications*, 54(2-3):409-412, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901008>.

Foglia:1982:NTM

- [Fog82] C. Foglia. On number theoretical methods for multidimensional numerical integration. *Computer Physics Communications*, 25(2):113-118, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900273>.

Foglia:1984:PPN

- [Fog84] C. Foglia. A program for performing a numerical integration of the Schrödinger equation. *Computer Physics Communications*, 32(2):209-213, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900729>.

Fortin:1989:SIM

- [For89] M. Fortin. Some iterative methods for incompressible flow problems. *Computer Physics Communications*, 53(1-3):393-399, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901756>.

Fuchssteiner:1987:CAM

- [FOW87] Benno Fuchssteiner, Walter Oevel, and Waldemar Wiwianka. Computer-algebra methods for investigation of hereditary operators of higher order soliton equations. *Computer Physics Communications*, 44(1-2):47-55, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900154>.

Fisher:1989:UDM

- [FP89] S. M. Fisher and P. Palazzi. Using a data model from software design to data analysis: What have we learned? *Computer Physics Communications*, 57(1-3):169-175, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558902075>.

Ferrero:1989:P

- [FPR89] Armando M. J. Ferrero, Roberto P. J. Perazzo, and Silvia L. Reich. Preface. *Computer Physics Communications*, 56(1):xi, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900477>.

Fincham:1981:MDS

- [FR81] David Fincham and B. J. Ralston. Molecular dynamics simulation using the Cray-1 vector processing computer. *Computer Physics Communications*, 23(2):127-134, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900278>.

Feilmeier:1982:PNL

- [FR82] M. Feilmeier and W. Rönsch. Parallel non-linear algorithms. *Computer Physics Communications*, 26(3-4):335-348, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901266>.

Ferguson:1984:PDC

- [FR84] I. F. Ferguson and A. H. Rogerson. A program for the derivation of crystal unit cell parameters from X-ray powder diffraction

measurements. *Computer Physics Communications*, 32(1):95–107, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900110>.

Fai:1986:FSE

- [FR86a] George Fai and Jørgen Randrup. FREESCO: Statistical event generator for nuclear collisions. *Computer Physics Communications*, 42(3):385–397, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690007X>.

Fullerton:1986:GFD

- [FR86b] L. W. Fullerton and G. A. Rinker. Generalized Fermi-Dirac integrals — FD, FDG, FDH. *Computer Physics Communications*, 39(2):181–185, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901293>.

Franke:1981:TDP

- [Fra81] G. Franke. Trigger and decision processors. *Computer Physics Communications*, 22(2–3):105–113, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900394>.

Fraga:1983:DAD

- [Fra83a] Serafin Fraga. Determination of antigenic determinants. *Computer Physics Communications*, 30(3):325–331, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900991>.

Fraga:1983:MA

- [Fra83b] Serafin Fraga. Molecular associations. *Computer Physics Communications*, 29(4):351–359, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900140> ■

Fraga:1984:MA

- [Fra84a] Serafin Fraga. Molecular associations. *Computer Physics Communications*, 35(1-3):C-887, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829902>.

Frage:1984:DAD

- [Fra84b] Serafin Frage. Determination of antigenic determinants. *Computer Physics Communications*, 35(1-3):C-921, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830192>.

Frenkel:1987:CSH

- [Fre87] D. Frenkel. Computer simulation of hard-core models for liquid crystals. *Computer Physics Communications*, 44(3):243-253, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900798>.

Fritts:1988:AGS

- [Fri88] Martin J. Fritts. Adaptive gridding strategies for Free-Lagrangian calculations of low speed flows. *Computer Physics Communications*, 48(1):75-88, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900252>.

FroeseFischer:1984:GMC

- [Fro84a] Charlotte Froese Fischer. A general multi-configuration Hartree-Fock program. *Computer Physics Communications*, 35(1-3):C-459-C-460, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826612>.

FroeseFischer:1984:MCHa

- [Fro84b] Charlotte Froese Fischer. A multi-configuration Hartree-Fock program. *Computer Physics Communications*, 35(1-3):C-18, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822870>.

FroeseFischer:1984:MCHb

- [Fro84c] Charlotte Froese Fischer. A multi-configuration Hartree–Fock program with improved stability. *Computer Physics Communications*, 35(1–3):C–146–C–147, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824005>.

FroeseFischer:1987:GHF

- [Fro87] Charlotte Froese Fischer. General Hartree–Fock program. *Computer Physics Communications*, 43(3):355–365, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900531>.

Faessler:1983:RIP

- [FRS83] Amand Faessler, L. Rikus, and R. Sartor. Real and imaginary part of the heavy ion optical potential from a realistic nucleon-nucleon interaction. *Computer Physics Communications*, 28(3):275–286, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900450>.

Faessler:1984:RIP

- [FRS84] Amand Faessler, L. Rikus, and R. Sartor. Real and imaginary part of the heavy ion optical potential from a realistic nucleon-nucleon interaction. *Computer Physics Communications*, 35(1–3):C–852, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829616>.

Fruhworth:1981:PMF

- [Frü81] R. Frühwirth. Preparing magnetic field measurements. *Computer Physics Communications*, 22(2–3):223–229, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900539>.

Fonti:1980:LPI

- [FS80] Luigi Fonti and Luciana Simoni. Large program implementation on minicomputers. *Computer Physics Communications*, 20(3):325–328, November 1980. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900120>

Farkas:1982:DPG

- [FS82] László Farkas and Péter Szöke. Digital program generator for long time measurement and process control. *Computer Physics Communications*, 26(1-2):205-207, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901709>.

Fan:1984:IAI

- [FS84a] L. S. Fan and W. Squire. Inversion of Abel's integral equation by a direct method. *Computer Physics Communications*, 35(1-3):C-330, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825540>

Flower:1984:PCR

- [FS84b] D. R. Flower and M. J. Seaton. A program to calculate radiative recombination coefficients of hydrogenic ions. *Computer Physics Communications*, 35(1-3):C-6, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822778>.

FroeseFischer:1984:NVA

- [FS84c] C. Froese Fischer and K. M. S. Saxena. A new version of AAKF (reduced tensor matrix elements) adapted to spectroscopic notation. *Computer Physics Communications*, 35(1-3):C-318, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825436>.

FroeseFischer:1984:OSN

- [FS84d] C. Froese Fischer and K. M. S. Saxena. Oscillator strengths from numerical MCHF radial functions. *Computer Physics Communications*, 35(1-3):C-319, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825448>

Fucito:1985:CPA

- [FS85a] F. Fucito and S. Solomon. A concurrent pseudofermions algorithm. *Computer Physics Communications*, 36(2):141–145, April 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901195>.

Fucito:1985:MCP

- [FS85b] F. Fucito and S. Solomon. Monte Carlo parallel algorithm for long range interactions. *Computer Physics Communications*, 34(3):225–230, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900013>.

Francisco:1987:ROS

- [FSP87] E. Francisco, L. Seijo, and L. Pueyo. Reduction of orbital sets. *Computer Physics Communications*, 43(2):269–277, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902116>.

Fowler:1984:FFI

- [FSR84] R. H. Fowler, J. Smith, and J. A. Rome. FIFPC — a fast ion Fokker–Planck code. *Computer Physics Communications*, 35(1–3):C–432–C–433, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826429>.

Faisal:1984:PCS

- [FT84a] F. H. M. Faisal and A. L. V. Tench. A program for calculating the static interaction potential between an electron and a diatomic molecule. *Computer Physics Communications*, 35(1–3):C–90, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823516>.

Feng:1984:CHO

- [FT84b] Da Hsuan Feng and T. Tamura. Calculations of harmonic oscillator brackets. *Computer Physics Communications*, 35(1–3):C–329, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825539>.

Funsten:1984:NVD

- [Fun84a] H. O. Funsten. A new version of DWPI (inelastic pion-nucleus scattering) to incorporate microscopic form factors and differing proton and neutron radii. *Computer Physics Communications*, 35(1-3):C-551, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827277>.

Funsten:1984:NVP

- [Fun84b] H. O. Funsten. A new version of pirk (elastic pion-nucleus scattering) to handle differing proton and neutron radii. *Computer Physics Communications*, 35(1-3):C-550, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827265>.

Fredrikze:1981:CSB

- [FV81] Henk Fredrikze and Peter Verkerk. Comment on "A spline-based method for experimental data deconvolution" by I. Beniaminy and M. Deutsch. *Computer Physics Communications*, 24(1):5-7, September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901028>.

Frank:1982:CAE

- [FV82] Ludek Frank and Petr Vasina. Collection of Auger electron spectra with a microcomputer. *Computer Physics Communications*, 26(1-2):113-119, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901631> ■

Fack:1986:PCE

- [FV86] V. Fack and G. Vanden Berghe. A program for the calculation of energy eigenvalues and eigenstates of a Schrödinger equation. *Computer Physics Communications*, 39(2):187-196, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690130X>.

Gross:1984:WSM

- [GA84] R. Gross and Y. Accad. Weizmann shell model computational code. *Computer Physics Communications*, 35(1-3):C-266, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482500X>.

Gaines:1987:AMS

- [GAA⁺87] I. Gaines, H. Areti, R. Atac, J. Biel, A. Cook, M. Fischler, R. Hance, D. Husby, T. Nash, and T. Zmuda. The ACP multiprocessor system at Fermilab. *Computer Physics Communications*, 45(1-3):323-329, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790169X>.

Gadomski:1980:ASP

- [Gad80] Adam M. Gadomski. Application of the singular perturbation method in nuclear reactor dynamics. *Computer Physics Communications*, 20(1):53-60, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901071>.

Gadjokov:1985:QOS

- [Gad85] V. Gadjokov. Quasi-optimum scaling of symmetric positive-definite matrices. *Computer Physics Communications*, 36(1):19-24, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900165>.

Gaemers:1981:NIP

- [Gae81] K. J. F. Gaemers. Numerical inversion of the problem of moments. *Computer Physics Communications*, 22(2-3):115-123, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900400>.

Gaines:1989:TFD

- [Gai89] I. Gaines. (trends in future) data acquisition architectures. *Computer Physics Communications*, 57(1-3):560, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902877>.

Gajjar:1985:SSN

- [Gaj85] J. S. B. Gajjar. On some solutions of the Navier–Stokes equations using a parallel processor. *Computer Physics Communications*, 37(1–3):303–309, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901663>.

Galindo:1981:SBB

- [Gal81] S. Galindo. Simulation of broad band NMR spectra of randomly oriented samples. *Computer Physics Communications*, 24(2):231–232, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900977>.

Galli:1984:JPJ

- [Gal84] M. Galli. JETS: a program for jet analysis of high-energy collision events. *Computer Physics Communications*, 34(1–2):135–143, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901656>.

Gallopoulos:1985:MPP

- [Gal85] E. J. Gallopoulos. The Massively Parallel Processor for problems in fluid dynamics. *Computer Physics Communications*, 37(1–3):311–315, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901675>.

Gamgle:1989:BEF

- [Gam89] John. N. Gamgle. Beyond Ethernet — future LAN's. *Computer Physics Communications*, 57(1–3):129–133, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902014>.

Gaskell:1981:GFH

- [Gas81] R. W. Gaskell. Generating functions for L-harmonics. *Computer Physics Communications*, 24(2):191–196, November 1981.

CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190093X>.

Gaskell:1984:GFH

- [Gas84] R. W. Gaskell. Generating functions for L -harmonics. *Computer Physics Communications*, 35(1-3):C-759, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828891>.

Gather:1989:STP

- [Gat89] Karl S. Gather. SASD-tools for program design. *Computer Physics Communications*, 57(1-3):29-36, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901896>.

Gault:1981:PDB

- [Gau81] F. D. Gault. Physics data bases and their use. *Computer Physics Communications*, 22(2-3):125-132, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900412>.

Gault:1984:PDG

- [Gau84a] F. D. Gault. The particle data group in the UK. *Computer Physics Communications*, 33(1-3):217-219, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901255>.

Gault:1984:PDB

- [Gau84b] F. D. Gault. The physics data base. *Computer Physics Communications*, 33(1-3):1-4, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901000>.

Gault:1984:UDB

- [Gau84c] F. D. Gault. The use of data base management software by the PDG(UK). *Computer Physics Communications*, 33(1-3):221-223, August/September 1984. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901267>.

Goto:1987:UAR

- [GB87] F. Goto and H. C. Bolton. Use and accuracy of the Richardson deferred approach to the limit. *Computer Physics Communications*, 46(1):7–11, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900336>.

Ganssaue:1989:TRP

- [GDH⁺89] E. Ganssaue, B. Dressel, S. Hackel, H. Kallies, E. Koch, Ch. Müller, J. T. Rhee, W. Schulz, and K. Ständecke. A track reconstruction program (TRP) for evaluation of nucleus-nucleus collisions in nuclear track emulsion chambers. *Computer Physics Communications*, 55(2):233–249, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900805>.

Grest:1989:VLC

- [GDK89] Gary S. Grest, Burkhard Dünweg, and Kurt Kremer. Vectorized link cell Fortran code for molecular dynamics simulations for a large number of particles. *Computer Physics Communications*, 55(3):269–285, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901252>.

Giebink:1988:RRO

- [GE88] David R. Giebink and David J. Ernst. ROMPIN — a relativistic optical model program for pion-nucleus scattering. *Computer Physics Communications*, 48(3):407–458, March 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902044>.

Gellai:1985:MCP

- [Gel85] Barbara Gellai. Molforce — a computer program for calculation of molecular force constants using the generalized inverse matrix. *Computer Physics Communications*, 36(2):177–189, April

1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901225>.

Genz:1982:NMI

- [Gen82] Alan C. Genz. Numerical multiple integration on parallel computers. *Computer Physics Communications*, 26(3-4):349-352, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901278>.

Gendrin:1988:CR

- [Gen88] R. Gendrin. Concluding remarks. *Computer Physics Communications*, 49(1):267-269, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902354>.

Gerdt:1980:ACH

- [Ger80] V. P. Gerdt. Analytical calculations in high energy physics by computer. *Computer Physics Communications*, 20(1):85-90, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901137>.

Gerard:1988:LAN

- [Ger88] J. Michael Gerard. Local area networks for microcomputers. *Computer Physics Communications*, 50(1-2):101-120, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901191>.

Gorecki:1989:MDS

- [GG89] J. Gorecki and J. Gryko. Molecular dynamics simulation of a chemical reaction. *Computer Physics Communications*, 54(2-3):245-249, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900878>.

Gellert:1983:HPE

- [GH83] B. Gellert and J. Handke. HEIZ — a program to estimate temperature modifications in laser plasma interaction experiments by inverse Bremsstrahlung absorption

and classical heat conduction. *Computer Physics Communications*, 30(2):169–175, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900590>.

Gellert:1984:HPE

- [GH84a] B. Gellert and J. Handke. HEIZ — a program to estimate temperature modifications in laser plasma interaction experiments by inverse Bremsstrahlung absorption and classical heat conduction. *Computer Physics Communications*, 35(1–3):C-907, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830064>.

Glass:1984:ACE

- [GH84b] R. Glass and A. Hibbert. Adaptation of CIV3 to evaluate hyperfine structure. *Computer Physics Communications*, 35(1–3):C-368–C-369, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825849>.

Glendinning:1987:TAF

- [GH87] Ian Glendinning and Anthony Hey. Transputer arrays as FORTRAN farms for particle physics. *Computer Physics Communications*, 45(1–3):367–371, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901755>.

Ghiselli:1987:DIG

- [Ghi87] A. Ghiselli. A DECNET/IBM gateway for 3270 remote terminal access to IBM systems from VAX nodes of a DECNET network. *Computer Physics Communications*, 45(1–3):447–453, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901883>.

Gils:1989:MTS

- [GHO⁺89] H. J. Gils, D. Heck, J. Oehlschläger, G. Schatz, T. Thouw, and A. Merkel. A multi-transputer system for parallel Monte Carlo simulations of extensive air showers. *Computer Physics Communications*, 56(2):105–113, December 1,

1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900118>.

Gillet:1981:CDP

- [GHU81] C. Gillet, J. Hackmann, and J. Uhlenbusch. Coupled description of plasma transport and plasma-wall processes. *Computer Physics Communications*, 24(3-4):301-309, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901521>.

Gianturco:1984:NVP

- [Gia84] F. A. Gianturco. A new version of a program calculating the static interaction potential between an electron and a diatomic molecule. *Computer Physics Communications*, 35(1-3):C-374, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825898>.

Gibson:1985:PMT

- [Gib85] J. K. Gibson. A production multi-tasking numerical weather prediction model. *Computer Physics Communications*, 37(1-3):317-327, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901687>.

Giorgilli:1984:CPI

- [Gio84] Antonio Giorgilli. A computer program for integrals of motion. *Computer Physics Communications*, 35(1-3):C-544, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827216>.

Giraud:1981:FQN

- [Gir81] B. G. Giraud. A few questions of numerical and functional analysis for the many body problem in nuclear physics. *Computer Physics Communications*, 22(2-3):133-138, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900424>.

- Gadjokov:1984:NGU**
- [GJ84] V. Gadjokov and J. Jordanova. Numerical generation and use of orthonormal polynomials: I. ORT1- A one-dimensional package for the solution of fitting, differentiation and integration problems. *Computer Physics Communications*, 31(1):53–73, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900821>.
- Gjerpe:1981:FFP**
- [Gje81] I. Kenyon Gjerpe. A fast filter processor as a part of the trigger logic in an elastic scattering experiment. *Computer Physics Communications*, 22(2–3):239–252, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900552>.
- Grimm:1980:URP**
- [GK80] R. Grimm and H. Kühnelt. Using REDUCE in problems of supersymmetry and supergravity. *Computer Physics Communications*, 20(1):77–79, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901113>.
- Gruber:1981:SBL**
- [GKM⁺81] R. Gruber, W. Kerner, P. Merkel, J. Nührenberg, W. Schneider, and F. Troyon. Stability-beta limit of helical equilibria. *Computer Physics Communications*, 24(3–4):389–398, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901624>.
- Greenbaum:1989:PPC**
- [GLC89] Anne Greenbaum, Congming Li, and Han Zheng Chao. Parallelizing preconditioned conjugate gradient algorithms. *Computer Physics Communications*, 53(1–3):295–309, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901677>.
- Gliss:1982:IDM**
- [Gli82] B. Gliss. Integration of dedicated microcomputer satellites into a simple real-time system. *Computer Physics Commu-*

nications, 26(1–2):57–67, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290159X>

Gliss:1984:SCD

- [Gli84] B. Gliss. The small-computer data base system DVSR. *Computer Physics Communications*, 33(1–3):31–39, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901048>.

Gorishny:1989:MPM

- [GLST89] S. G. Gorishny, S. A. Larin, L. R. Surguladze, and F. V. Tkachov. Mincer: Program for multiloop calculations in quantum field theory for the Schoonschip system. *Computer Physics Communications*, 55(3):381–408, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901343>.

Georgiopoulos:1989:VSR

- [GM89] C. H. Georgiopoulos and M. E. Mermikides. Vectorised simulation of the response of a time projection chamber. *Computer Physics Communications*, 57(1–3):255–259, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902233>.

Grant:1980:AMD

- [GMN⁺80] I. P. Grant, B. J. McKenzie, P. H. Norrington, D. F. Mayers, and N. C. Pyper. An atomic multiconfigurational Dirac–Fock package. *Computer Physics Communications*, 21(2):207–231, December 2, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900417>.

Grant:1984:AMD

- [GMN⁺84] I. P. Grant, B. J. McKenzie, P. H. Norrington, D. F. Mayers, and N. C. Pyper. An atomic multiconfigurational Dirac–Fock package. *Computer Physics Communications*, 35(1–3):C–661–C–662, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828192>.

Graves-Morris:1984:CCA

- [GMR84a] P. R. Graves-Morris and D. E. Roberts. Calculation of Canterbury approximants. *Computer Physics Communications*, 35(1-3):C-341-C-342, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825631>.

Graves-Morris:1984:SPR

- [GMR84b] P. R. Graves-Morris and D. E. Roberts. A subroutine and procedure for the rapid calculation of simple off-diagonal rational approximants. *Computer Physics Communications*, 35(1-3):C-289, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825199>.

Godefroid:1984:AA

- [God84] M. Godefroid. An adaptation of acrz to calculate electric quadrupole oscillator strengths. *Computer Physics Communications*, 35(1-3):C-504, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826892>.

Goedbloed:1981:CMM

- [Goe81] J. P. Goedbloed. Conformal mapping methods in two-dimensional magnetohydrodynamics. *Computer Physics Communications*, 24(3-4):311-321, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901533>.

Goedbloed:1984:SRC

- [Goe84] J. P. Goedbloed. Some remarks on computing axisymmetric equilibria. *Computer Physics Communications*, 31(2-3):123-135, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900390>.

Goldberg:1984:CBM

- [Gol84a] J. Goldberg. Conversion of binary magnetic tapes. *Computer Physics Communications*, 35(1-3):C-47, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823139>.

Golden:1984:ESI

- [Gol84b] L. B. Golden. Exact Slater integrals. *Computer Physics Communications*, 35(1-3):C-465, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482665X>.

Goorevich:1984:PAS

- [Goo84] L. Goorevich. A program for the analytic simulation of extensive air showers. *Computer Physics Communications*, 35(1-3):C-251, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482487X>.

Gorski:1988:FSR

- [Gór88] Janusz Górski. Formal specification of real time systems. *Computer Physics Communications*, 50(1-2):71-88, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901178>.

Goto:1983:UTP

- [Got83] Fumiaki Goto. A useful technique for the point successive over relaxation method. *Computer Physics Communications*, 30(2):121-125, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900541>.

Gournay:1988:GSS

- [Gou88] J. F. Gournay. The graphics software of the Saclay Linear Accelerator Control System. *Computer Physics Communications*, 50(1-2):247-254, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901324>.

Gruber:1981:NDI

- [GPS⁺81] R. Gruber, Ch. Pfersich, S. Semenzato, F. Troyon, and T. Tsunematsu. On the numerical determination of ideal MHD limits of stability of axisymmetric toroidal configurations. *Computer Physics Communications*, 24(3-4):381-387, December

1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901612>.

Gaussorgues:1984:MMT

- [GPS84] C. Gaussorgues, R. D. Piacentini, and A. Salin. Multistate molecular treatment of atomic collisions in the impact parameter approximation. *I*- integration of coupled equations and calculation of transition amplitudes for the straight line case. *Computer Physics Communications*, 35(1-3):C-340, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482562X>.

Galvao:1981:ASM

- [GR81] R. M. O. Galvão and J. Rem. Application of the Suddam method to the ballooning stability problem. *Computer Physics Communications*, 22(4):399-402, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901363>.

Grant:1984:CFP

- [Gra84a] I. P. Grant. CFPJJ — fractional parentage coefficients for equivalent electrons in *jj*-coupling. *Computer Physics Communications*, 35(1-3):C-164, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824157> ■

Grant:1984:GPC

- [Gra84b] I. P. Grant. A general program to calculate angular momentum coefficients in relativistic atomic structure. *Computer Physics Communications*, 35(1-3):C-179-C-180, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824261>.

Grant:1984:PCA

- [Gra84c] I. P. Grant. A program to calculate angular momentum coefficients in relativistic atomic structure — revised version. *Computer Physics Communications*, 35(1-3):C-390-C-391, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826028>.

Green:1988:SPA

- [Gre88] James L. Green. The space physics analysis network. *Computer Physics Communications*, 49(1):205–213, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902287>.

Griffiths:1987:BRB

- [Gri87] David F. Griffiths. Book review: *The State of the Art in Numerical Analysis, 1986*: A. Iserles and M. J. D. Powell, eds., IMA Conference Series (New Series), Clarendon Press, Oxford, 1987. ISBN 0-19-853614-3. £55 (hard cover). *Computer Physics Communications*, 47(2–3):365–366, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901226>.

Grimison:1989:IVF

- [Gri89] A. Grimison. IBM's view of the future. *Computer Physics Communications*, 57(1–3):560, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558902865>.

Groves:1984:CSM

- [Gro84] J. L. Groves. Computer simulation of Mössbauer scattering spectra. *Computer Physics Communications*, 35(1–3):C-145, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823991>.

Grosdidier:1987:VFL

- [Gro87] G. Grosdidier. A VAX-FPS loosely coupled array of processors. *Computer Physics Communications*, 45(1–3):361–365, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901743>.

Grosdidier:1989:UIF

- [Gro89a] G. Grosdidier. Use of an IBM-FPS loosely coupled array of processors for high energy physics programs. *Computer Physics Communications*, 52(2):207–222, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900052>.

Grotendorst:1989:MPC

- [Gro89b] J. Grotendorst. Maple programs for converting series expansions to rational functions using the Levin transformation. Automatic generation of FORTRAN functions for numerical applications. *Computer Physics Communications*, 55(3):325–335, October 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901306>.

Gupta:1983:TCO

- [GRRP83] R. P. Gupta, Rashmi-Rekha, and Satya Pal. Two centre overlap integrals of numerical wavefunctions. *Computer Physics Communications*, 29(1):87–95, March 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900292>.

Gupta:1984:TCO

- [GRRP84] R. P. Gupta, Rashmi-Rekha, and Satya Pal. Two centre overlap integrals of numerical wavefunctions. *Computer Physics Communications*, 35(1–3):C-866, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829720>.

Gruber:1980:HES

- [Gru80] R. Gruber. HYMNISBLOCK — eigenvalue solver for blocked matrices. *Computer Physics Communications*, 20(3):421–428, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900193>.

Gruber:1981:P

- [Gru81] Ralf Gruber. Preface. *Computer Physics Communications*, 24(3–4):v, December 1981. CODEN CPHCBZ. ISSN 0010-

4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901478>■

Gruber:1984:HBM

- [Gru84a] R. Gruber. Hymnia — band matrix package for solving eigenvalue problems. *Computer Physics Communications*, 35(1–3):C–325, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825485>.

Gruber:1984:HES

- [Gru84b] R. Gruber. Hymniablock — eigenvalue solver for blocked matrices. *Computer Physics Communications*, 35(1–3):C–645, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828052>.

Gruber:1984:P

- [Gru84c] Ralf Gruber. Preface. *Computer Physics Communications*, 31(2–3):v, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900365>■

Gruschel:1984:FIR

- [Gru84d] W. J. Gruschel. Freint, an integration routine calculating Fresnel diffraction. *Computer Physics Communications*, 35(1–3):C–528, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827095>.

Grun:1983:AWC

- [GS83] Norbert Grün and Werner Scheid. Absorption of waves by complex surface layers in the solution of the Schrödinger equation by finite difference methods. *Computer Physics Communications*, 30(3):243–247, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900917>.

Gausterer:1988:RNS

- [GS88] H. Gausterer and S. Sanielevici. Remarks on the numerical solution of Langevin equations on unitary groups spaces. *Computer Physics Communications*, 52(1):43–48, December

1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901701>.

Glasser:1989:PTD

- [GS89] Alan H. Glasser and Kenneth Smith. POS — a 1D time-dependent H^+ ion source code. *Computer Physics Communications*, 55(3):409–424, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901355>.

Gliss:1981:CFF

- [GSS81] B. Gliss, H. Swars, and W. Schmettow. Common: a framework for the functional enhancement of a simple real-time system. *Computer Physics Communications*, 22(4):389–397, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901351>.

Gruber:1981:HOE

- [GST⁺81] R. Gruber, S. Semenzato, F. Troyon, T. Tsunematsu, W. Kerner, P. Merkel, and W. Schneider. Hera and other extensions of erato. *Computer Physics Communications*, 24(3–4):363–376, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901594>.

Gerdt:1985:FPC

- [GSZ85] V. P. Gerdt, A. B. Shvachka, and A. Yu. Zharkov. Formint — a program for the classification of integrable nonlinear evolution equations. *Computer Physics Communications*, 34(3):303–311, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900074>.

Garcia-Torano:1983:FFF

- [GT83] Eduardo Garcia-Toraño. FASTF: Fast Fourier Transform with arbitrary factors. *Computer Physics Communications*, 30(4):397–402, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900802>.

Garcia-Torano:1984:FFF

- [GT84] Eduardo Garcia-Toraño. Fastf: Fast Fourier Transform with arbitrary factors. *Computer Physics Communications*, 35(1-3): C-925, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830234>.

Gruber:1981:ESC

- [GTB+81] R. Gruber, F. Troyon, D. Berger, L. C. Bernard, S. Rousset, R. Schreiber, W. Kerner, W. Schneider, and K. V. Roberts. Erato stability code. *Computer Physics Communications*, 21(3):323-371, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900138>■

Gruber:1984:ESC

- [GTB+84] R. Gruber, F. Troyon, D. Berger, L. C. Bernard, S. Rousset, R. Schreiber, W. Kerner, W. Schneider, and K. V. Roberts. Erato stability code. *Computer Physics Communications*, 35(1-3):C-671-C-672, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828258>.

Garcia-Torano:1981:EPC

- [GTG81] Eduardo Garcia-Toraño and Agustin Grau. Effy, a program to calculate the counting efficiency of beta particles in liquid scintillators. *Computer Physics Communications*, 23(4):385-391, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190179X>.

Garcia-Torano:1984:EPC

- [GTG84] Eduardo Garcia-Toraño and Agustín Grau. Effy, a program to calculate the counting efficiency of beta particles in liquid scintillators. *Computer Physics Communications*, 35(1-3):C-737, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828714>.

Geary:1986:TTD

- [GTL⁺86] J. L. Geary, T. Tajima, J-N. Leboeuf, E. G. Zaidman, and J. H. Han. Two- and three-dimensional magnetoinductive particle codes with guiding center electron motion. *Computer Physics Communications*, 42(3):313–331, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900020>.

Garcia-Torano:1985:ENP

- [GTM85] Eduardo Garcia-Toraño and Agustín Grau Malonda. EFFY, a new program to compute the counting efficiency of beta particles in liquid scintillators. *Computer Physics Communications*, 36(3):307–312, May 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900578>■

Garcia-Torano:1987:EMC

- [GTM87] E. García-Toraño and A. Grau Malonda. EFYGA, a Monte Carlo program to compute the interaction probability and the counting efficiency of gamma rays in liquid scintillators. *Computer Physics Communications*, 47(2-3):341–347, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901184>.

Garcia-Torano:1988:ECE

- [GTMA88] E. García-Toraño, A. Grau Malonda, and J. M. Los Arcos. EBEGA — the counting efficiency of a beta-gamma emitter in liquid scintillators. *Computer Physics Communications*, 50(3):313–319, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901877>■

Gruber:1981:TEC

- [GTR⁺81] R. Gruber, F. Troyon, S. Rousset, W. Kerner, and L. C. Bernard. Transformation of ERATO into a δW code. *Computer Physics Communications*, 22(4):383–387, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190134X>.

Guest:1989:OVP

- [Gue89] M. Guest. An overview of vector and parallel processors in scientific computation. *Computer Physics Communications*, 57(1-3):560, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902853> ■

Gupta:1988:CRM

- [Gup88a] Sunnesh Gupta. Comments regarding Monte Carlo simulation of classical fluids on general purpose supercomputers. *Computer Physics Communications*, 50(3):293-295, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901841>.

Gupta:1988:VMD

- [Gup88b] Sunnesh Gupta. Vectorization of molecular dynamics simulation for fluids of nonspherical molecules. *Computer Physics Communications*, 48(2):197-206, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900409>.

Gurd:1985:MDM

- [Gur85] J. R. Gurd. The Manchester Dataflow Machine. *Computer Physics Communications*, 37(1-3):49-62, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901353>.

Ganzha:1987:SAD

- [GV87] V. G. Ganzha and E. V. Vorozhtsov. The stability analysis of difference schemes by numerical solution of the generalised routh-hurwitz problem. *Computer Physics Communications*, 43(2):209-216, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902062> ■

Gomes:1989:FDF

- [GV89] M. A. F. Gomes and G. L. Vasconcelos. Fragmentation dynamics in fractal and Euclidean systems. *Computer Physics*

Communications, 54(2-3):257-261, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900891>.

Gil:1989:LMH

- [GWL89] T. J. Gil, C. L. Winstead, and P. W. Langhoff. Lanczos methods for Hamiltonian spectra: Hilbert-space approximations to interaction-prepared states. *Computer Physics Communications*, 53(1-3):123-131, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901537>.

Gray:1983:LSP

- [GWTM83] P. C. Gray, J. S. Wagner, T. Tajima, and R. Million. Large scale particle simulations in a virtual memory computer. *Computer Physics Communications*, 30(2):109-120, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390053X>.

Heras:1982:NSN

- [HA82] C. A. Heras and S. M. Abecasis. Nucore — a system for nuclear structure calculations with cluster-core models. *Computer Physics Communications*, 25(3):237-252, March 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900200>.

Heras:1983:NTA

- [HA83] C. A. Heras and S. M. Abecasis. NUCADA — two adaptations of the system nucore for nuclear structure calculations. *Computer Physics Communications*, 29(1):73-85, March 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900280>.

Heras:1984:NTA

- [HA84a] C. A. Heras and S. M. Abecasis. Nucada — two adaptations of the system nucore for nuclear structure calculations. *Computer Physics Communications*, 35(1-3):C-864-C-865, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829719>.

Heras:1984:NSN

- [HA84b] C. A. Heras and S. M. Abecasis. Nucore — a system for nuclear structure calculations with cluster-core models. *Computer Physics Communications*, 35(1-3):C-785–C-786, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829112>.

Hall:1989:FLS

- [HAG⁺89] D. E. Hall, A. Agolino, W. H. Greiman, W. F. Johnston, D. Olson, R. Paasch, A. Padgaonkar, and D. W. Robertson. A fault location system for a time of flight detector array. *Computer Physics Communications*, 57(1-3):499–502, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558902725>.

Halling:1988:SMA

- [Hal88] H. Halling. Standard microcomputer architectures. *Computer Physics Communications*, 50(1-2):33–49, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901142>.

Hansen:1984:CPG

- [Han84a] Flemming Yssing Hansen. I. A computer program for generation of a complete set of coordinates and force matrices for normal mode calculations of crystals and molecules. *Computer Physics Communications*, 35(1-3):C-461, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826624>.

Hansen:1984:CPN

- [Han84b] Flemming Yssing Hansen. I: a computer program for normalization and instrument correction of neutron diffraction data on non-crystalline materials to obtain the static structure factor. *Computer Physics Communications*, 35(1-3):C-511–C-512, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826958>.

Hansen:1984:ICPa

- [Han84c] Flemming Yssing Hansen. II. A computer program for calculation of parameters necessary for the computation of reliable pair distribution functions of non-crystalline materials from limited diffraction data. *Computer Physics Communications*, 35(1-3):C-513-C-514, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482696X>.

Hansen:1984:IPC

- [Han84d] Flemming Yssing Hansen. II. A program for computing normal modes of molecules, crystal phonon dispersion relations and structure factors for neutron inelastic scattering. *Computer Physics Communications*, 35(1-3):C-462-C-463, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826636>.

Hansen:1984:ICPb

- [Han84e] Flemming Yssing Hansen. III. A computer program for calculation of reliable pair distribution functions of non-crystalline materials from limited diffraction data. *Computer Physics Communications*, 35(1-3):C-515-C-516, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826971>.

Hansen:1984:IFC

- [Han84f] Flemming Yssing Hansen. III. A force constant adjuster program to obtain least squares fit to observed frequencies of molecules and crystals. *Computer Physics Communications*, 35(1-3):C-464, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826648>.

Harris:1981:CCS

- [Har81] M. J. Harris. Calculation of (n, γ) cross-sections and astrophysical reaction rates by the nuclear statistical model. *Computer Physics Communications*, 21(3):407-419, January

1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900175>.

Harris:1984:CCS

- [Har84a] M. J. Harris. Calculation of (n, γ) cross-sections and astrophysical reaction rates by the nuclear statistical model. *Computer Physics Communications*, 35(1-3):C-676, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828295>.

Hartmann:1984:PDB

- [Har84b] G. K. Hartmann. Problems of data bases in geophysics. *Computer Physics Communications*, 33(1-3):267-287, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901322>.

Harlow:1988:PP

- [Har88] Francis H. Harlow. PIC and its progeny. *Computer Physics Communications*, 48(1):1-10, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900173>.

Harper:1989:VRP

- [Har89] David Harper. Vector33: a REDUCE program for vector algebra and calculus in orthogonal curvilinear coordinates. *Computer Physics Communications*, 54(2-3):295-305, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900921>.

Hasse:1984:ODW

- [Has84] Rainer W. Hasse. One-dimensional wave packet solutions of time-dependent frictional or optical potential Schrödinger equations. *Computer Physics Communications*, 35(1-3):C-385, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825989>.

Hauser:1987:VTF

- [Hau87] Jay Hauser. Vectorization of track finding and fitting algorithms for HEP. *Computer Physics Communications*, 45(1-3):121-125, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901469>.

Haydock:1980:RSS

- [Hay80] Roger Haydock. The recursive solution of the Schrödinger equation. *Computer Physics Communications*, 20(1):11-16, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901010>.

Haydock:1983:RER

- [Hay83] Roger Haydock. Rounding errors in the recursion method: Inner products. *Computer Physics Communications*, 30(3):221-228, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900887>.

Haydock:1989:ARM

- [Hay89a] Roger Haydock. Accuracy of the recursion method and basis non-orthogonality. *Computer Physics Communications*, 53(1-3):133-139, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901549>.

Haydock:1989:RTI

- [Hay89b] Roger Haydock. Recursive tridiagonalization of infinite dimensional Hamiltonians. *Computer Physics Communications*, 55(1):1-3, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900593>.

Hooker:1985:CSP

- [HB85] Stanford B. Hooker and James W. Brown. CENTER: a software package for center estimation. *Computer Physics Communications*, 38(3):421-433, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901109>.

Holzman:1988:CGT

- [HB88] Robert E. Holzman and James F. Blinn. Computer graphics techniques and computer-generated movies. *Computer Physics Communications*, 49(1):229–233, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902305>.

Handler:1985:TCH

- [HBF⁺85] W. Händler, A. Bode, G. Fritsch, W. Henning, and J. Volkert. A tightly coupled and hierarchical multiprocessor architecture. *Computer Physics Communications*, 37(1–3):87–93, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901390>.

Hegy:1984:AAP

- [HBJ84] György Hegyi, Liviu Barbu, and L. Jakab. Adaptation of the ACQN program to calculate transport collision integrals on minicomputers. *Computer Physics Communications*, 34(1–2):219–222, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901735>.

Hallam-Baker:1989:UOZ

- [HBM89] P. M. Hallam-Baker and I. C. McArthur. Use of Occam in ZEUS. *Computer Physics Communications*, 57(1–3):520–523, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902786>.

Habitz:1983:GPC

- [HC83] Peter Habitz and Enrico Clementi. A general program to compute two electron repulsion integrals. *Computer Physics Communications*, 29(3):301–306, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900097>.

Habitz:1984:GPC

- [HC84] Peter Habitz and Enrico Clementi. A general program to compute two electron repulsion integrals. *Computer*

Physics Communications, 35(1-3):C-883, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829860>.

Hirshman:1986:NCH

- [HC86] S. P. Hirshman and W. A. Cooper. Numerical computation of helically symmetric equilibria. *Computer Physics Communications*, 42(1):37-41, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902286>.

Halonen:1988:LMV

- [HC88] L. Halonen and M. S. Child. Local mode vibrations in tetrahedral molecules. *Computer Physics Communications*, 51(1-2):173-193, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900707>.

Halcomb:1986:ILS

- [HD86] Lawrence L. Halcomb and Dennis J. Diestler. Integration of a largest set of coupled differential equations on the CYBER 205 vector processor. *Computer Physics Communications*, 39(1):27-35, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690161X>.

Heermann:1988:IMT

- [HD88] Dieter W. Heermann and Rashmi C. Desai. Ising model, transputers and dynamical correlations using a microcanonical ensemble. *Computer Physics Communications*, 50(3):297-302, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901853>.

Hartmann:1989:EGS

- [HD89] U. Hartmann and E. D. Davis. epic grass — symbolic calculations with anticommuting variables. *Computer Physics Communications*, 54(2-3):353-369, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900969>.

Hartwig:1984:RBB

- [HDK84] A. Hartwig, F. Daske, and S. Kobe. A recursive branch-and-bound algorithm for the exact ground state of Ising spin-glass models. *Computer Physics Communications*, 32(2):133–138, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900663>.

Herbison-evans:1984:DOD

- [He84a] D. Herbison-evans. Derivation of the orbit of a double star from observations made with an intensity interferometer. *Computer Physics Communications*, 35(1–3):C–66, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823310>.

Herbison-Evans:1984:LCV

- [HE84b] D. Herbison-Evans. The light curve of a variable star subject to orbital tidal distortion. *Computer Physics Communications*, 35(1–3):C–185–C–186, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824327>.

Heiss:1984:CCS

- [Hei84] P. Heiss. Computation of cross sections and polarizations for nuclear reactions, in which only spin 1/2 particles are involved. *Computer Physics Communications*, 35(1–3):C–163, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824145>.

Helfrich:1980:LRF

- [Hel80] K. Helfrich. Local representation of functions of D variables by means of discrete orthogonal polynomials. *Computer Physics Communications*, 20(1):61–63, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901083>.

Hellier:1982:DIW

- [Hel82] Richard L. Hellier. DAP implementation of the WZ algorithm. *Computer Physics Communications*, 26(3–4):321–323, June

1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901230>.

Herbison-Evans:1984:AVS

- [HEL84] D. Herbison-Evans and N. R. Lomb. Analysis of a variable spectroscopic double star. *Computer Physics Communications*, 35(1-3):C-105, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823632>.

Henry:1984:RCS

- [Hen84] Ronald J. W. Henry. Rovibrational cross sections from reactance matrices calculated in adiabatic nuclei approximation. *Computer Physics Communications*, 35(1-3):C-349, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825709>.

Hernando:1982:NEI

- [Her82a] J. A. Hernando. Newton-Everett interpolation of continuous functions. *Computer Physics Communications*, 27(1):73-78, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900091>.

Hertzberger:1982:FAM

- [Her82b] L. O. Hertzberger. The fast Amsterdam multiprocessor (FAMP) system. *Computer Physics Communications*, 26(1-2):79-97, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901618>.

Hermsdorf:1984:UND

- [Her84a] D. Hermsdorf. On the use of nuclear data libraries in science and technology. *Computer Physics Communications*, 33(1-3):147-153, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901164>.

Hernando:1984:NEI

- [Her84b] J. A. Hernando. Newton–Everett interpolation of continuous functions. *Computer Physics Communications*, 35(1–3): C–808, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829276>.

Hernquist:1988:HBM

- [Her88a] Lars Hernquist. Hierarchical N-body methods. *Computer Physics Communications*, 48(1):107–115, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900288>.

Hertzberger:1988:MT

- [Her88b] L. O. Hertzberger. Microprocessor technology. *Computer Physics Communications*, 50(1–2):1–21, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901129>.

Hertzberger:1989:DHS

- [Her89] L. O. Hertzberger. Does HEP still hold challenges for computer science? *Computer Physics Communications*, 57(1–3):15–22, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901872>.

Hey:1988:RAT

- [Hey88] Anthony J. G. Hey. RISC architecture in transputers and transputer arrays. *Computer Physics Communications*, 50(1–2):23–31, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901130>.

Hey:1989:RMA

- [Hey89] Anthony J. G. Hey. The role of MIMD arrays of transputers in computational physics. *Computer Physics Communications*, 56(1):1–24, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900490>.

Hibbert:1988:NOO

- [HFG88] A. Hibbert, C. Froese Fischer, and M. R. Godefroid. Non-orthogonal orbitals in MCHF or configuration interaction wave functions. *Computer Physics Communications*, 51(3):285–293, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901415>.

Hall:1989:SBV

- [HGJ+89] D. E. Hall, W. H. Greiman, W. F. Johnston, A. X. Merola, S. C. Loken, and D. W. Robertson. The software bus: a vision for scientific software development. *Computer Physics Communications*, 57(1–3):211–216, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902142>.

Hertzberger:1981:FS

- [HGK+81] L. O. Hertzberger, D. Gosman, G. Kieft, G. J. A. Por, M. Schoorel, and L. W. Wiggers. Famp system. *Computer Physics Communications*, 22(2–3):253–260, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900564>.

Horn:1986:SBM

- [HGW86] Richard Horn, Rudolf Goldflam, and Lawrence Wilets. Soliton bag model. *Computer Physics Communications*, 42(1):105–117, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902353>.

Hain:1982:NSM

- [HH82] Klaus Hain and Gertrud Hain. Numerical simulations of magnetohydrodynamic chemically reactive flows in three dimensions on a vector computer. *Computer Physics Communications*, 27(4):325–333, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900959>.

Hird:1984:DQS

- [HH84] B. Hird and K. H. Huang. Deformed quasiparticle states in a Woods–Saxon potential and coupled to rotational states of the

core. *Computer Physics Communications*, 35(1–3):C–344, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825667>.

Hanzalek:1986:CPS

- [HHK86] Petr Hanzálek, Jirí Hřebíček, and Jan Kucera. A conversational program system for mathematical optimization. *Computer Physics Communications*, 41(2–3):403–408, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900809>.

Hibbert:1984:AGPb

- [Hib84a] A. Hibbert. Adaptation of a general program to calculate angular momentum integrals in atomic structure: Inclusion of the checking of the configuration data. *Computer Physics Communications*, 35(1–3):C–281, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825126>.

Hibbert:1984:AGPa

- [Hib84b] A. Hibbert. Adaptation of a general program to calculate angular momentum integrals in atomic structure: Inclusion of the one-electron part of the Hamiltonian. *Computer Physics Communications*, 35(1–3):C–248, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824844>.

Hibbert:1984:CGP

- [Hib84c] A. Hibbert. CIV3 — a general program to calculate configuration interaction wave functions and electric-dipole oscillator strengths. *Computer Physics Communications*, 35(1–3):C–298–C–299, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482528X>.

Hibbert:1984:GPC

- [Hib84d] A. Hibbert. A general program for calculating angular momentum integrals in atomic structure. *Computer*

Physics Communications, 35(1-3):C-43, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823097>.

Hibbert:1984:NVG

- [Hib84e] A. Hibbert. A new version of a general program to calculate angular momentum integrals in atomic structure. *Computer Physics Communications*, 35(1-3):C-80-C-81, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823437>.

Harrison:1984:CER

- [HIM84] D. J. Harrison, A. C. Irving, and A. D. Martin. Computation of effective Regge trajectories for high energy two-body reactions. *Computer Physics Communications*, 35(1-3):C-172, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824212>.

Hine:1981:SDT

- [Hin81] M. G. N. Hine. Satellite data transmission in high energy physics. *Computer Physics Communications*, 22(2-3):139-148, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900436>.

Hird:1984:NOP

- [Hir84] B. Hird. Nilsson orbits for a particle in a Woods-Saxon potential with Y_2^0 and Y_4^0 deformations, and coupled to core rotational states. *Computer Physics Communications*, 35(1-3):C-206, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824480>.

Hons:1981:PCC

- [HK81] Z. Hons and J. Kvasil. A program for calculation of the Coriolis effect in odd-odd nuclei. *Computer Physics Communications*, 24(2):161-172, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900898>.

Hons:1983:PCE

- [HK83] Z. Hons and J. Kvasil. A program for calculation of the E1, E2 and M1 transition probabilities in odd-odd nuclei taking the Coriolis mixing into account. *Computer Physics Communications*, 30(1):59–69, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901236>.

Hons:1984:PCC

- [HK84a] Z. Hons and J. Kvasil. A program for calculation of the Coriolis effect in ODD-ODD nuclei. *Computer Physics Communications*, 35(1–3):C-754–C-755, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828854>.

Hons:1984:PCE

- [HK84b] Z. Hons and J. Kvasil. A program for calculation of the E1, E2 and M1 transition probabilities in odd-odd nuclei taking the Coriolis mixing into account. *Computer Physics Communications*, 35(1–3):C-899–C-900, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829999>.

Hummer:1984:NEF

- [HKK84] D. G. Hummer, C. V. Kunasz, and P. B. Kunasz. Numerical evaluation of the formal solution of radiative transfer problems in spherical geometries. *Computer Physics Communications*, 35(1–3):C-207, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824492>.

Huzinaga:1983:AGT

- [HKS83] S. Huzinaga, M. Klobukowski, and Y. Sakai. An atomic Gaussian-type orbital Roothaan–Hartree–Fock program. *Computer Physics Communications*, 30(3):311–323, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390098X>.

Huzinaga:1984:AGT

- [HKS84] S. Huzinaga, M. Klobukowski, and Y. Sakai. An atomic Gaussian-type orbital Roothaan–Hartree–Fock program. *Computer Physics Communications*, 35(1–3):C–919–C–920, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830180>.

Heddle:1985:CPS

- [HKT85] David P. Heddle, Yong Rae Kwon, and F. Tabakin. Coulomb plus strong interaction bound states — momentum space numerical solutions. *Computer Physics Communications*, 38(1):71–82, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900475>.

Hirshman:1986:MSC

- [HL86] S. P. Hirshman and D. K. Lee. MOMCON: a spectral code for obtaining three-dimensional magnetohydrodynamic equilibria. *Computer Physics Communications*, 39(2):161–172, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690127X>.

Hewett:1988:RPA

- [HL88] Dennis W. Hewett and A. Bruce Langdon. Recent progress with AVANTI: a 2.5D EM direct implicit PIC code. *Computer Physics Communications*, 48(1):127–133, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900306>.

Hlavaty:1980:NDS

- [Hla80] Ladislav Hlavatý. Nuclear decay scheme construction based on qualitative coincidences. *Computer Physics Communications*, 19(2):197–204, April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900508>.

Hlavaty:1984:NDS

- [Hla84] Ladislav Hlavatý. Nuclear decay scheme construction based on qualitative coincidences. *Computer Physics Communications*, 35(1–3):C–616, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827812>

Hlavaty:1986:TRP

- [Hla86] Ladislav Hlavatý. Tests of resonances in the Painlevé analysis. *Computer Physics Communications*, 42(3):427–433, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690010X>.

Huard:1987:MBS

- [HLM⁺87] A. Huard, P. Laigle, V. Mastrangelo, M. Talbi, and S. Xhemalce. A method based on a stochastic approach for space dependent nuclear reactor kinetics in one dimension. *Computer Physics Communications*, 46(3):351–377, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900920>.

Hirschi:1984:CCC

- [HLS84] S. Hirschi, E. Lomon, and N. Spencer. Cochase, a code for coupled channel Schrödinger equations. *Computer Physics Communications*, 35(1–3):C-287, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825175>.

Hernando:1981:PFPP

- [HM81] J. A. Hernando and V. Massidda. Plattsum: a Fortran program that evaluates electrostatic lattice sums by the planewise summation method. *Computer Physics Communications*, 22(1):13–31, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190076X>.

Hernando:1983:MPP

- [HM83] J. A. Hernando and V. Massidda. A modification to PLATTSUM, a program that evaluates electrostatic lattice sums by the planewise summation method. *Computer Physics Communications*, 30(4):403–409, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900814>.

Hernando:1984:MPP

- [HM84a] J. A. Hernando and V. Massidda. A modification to plattsum, a program that evaluates electrostatic lattice sums by the planewise summation method. *Computer Physics Communications*, 35(1-3):C-926, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830246>.

Hernando:1984:PPF

- [HM84b] J. A. Hernando and V. Massidda. Plattsum: a Fortran program that evaluates electrostatic lattice sums by the planewise summation method. *Computer Physics Communications*, 35(1-3):C-680-C-681, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828337>.

Hoffstein:1984:SBSa

- [HM84c] V. Hoffstein and O. Moller. Symmetry and band structure I. Selection of reciprocal lattice vectors. *Computer Physics Communications*, 35(1-3):C-58, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823243>.

Hoffstein:1984:SBSb

- [HM84d] V. Hoffstein and O. Moller. Symmetry and band structure II. Storage and retrieval of group theoretical information. *Computer Physics Communications*, 35(1-3):C-59, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823255>.

Hoffstein:1984:SBSc

- [HM84e] V. Hoffstein and O. Moller. Symmetry and band structure III. Construction of symmetrized Hamiltonian matrix. *Computer Physics Communications*, 35(1-3):C-60, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823267>.

Herman:1984:PCS

- [HMS84] M. Herman, A. Marcinkowski, and K. Stankiewicz. A program for calculation of spectra and cross sections within the combined pre-equilibrium/compound nucleus model of nuclear reactions. *Computer Physics Communications*, 33(4):373–398, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901449>.

Hoshino:1984:MCS

- [HMT084] Tsutomu Hoshino, Sumiko Majima, Kiyo Takenouchi, and Yoshio Oyanagi. Monte Carlo simulation of a spin model on the parallel computer “PAX”. *Computer Physics Communications*, 34(1–2):31–38, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901565>.

Hoare:1989:FMC

- [Hoa89] C. A. R. Hoare. Formal methods in computer system design. *Computer Physics Communications*, 57(1–3):206–210, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902130>.

Hockney:1982:CPC

- [Hoc82] R. W. Hockney. Characterization of parallel computers and algorithms. *Computer Physics Communications*, 26(3–4):285–291, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901187>.

Hodgson:1984:MER

- [Hod84] R. J. W. Hodgson. Matrix elements of the reaction matrix in finite nuclei. *Computer Physics Communications*, 35(1–3):C-366–C-367, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825837>.

Hoek:1986:CLG

- [Hoe86a] Jaap Hoek. Cooling of SU(3) lattice gauge field configurations. *Computer Physics Communications*, 39(1):21–26, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901608>.

Hoek:1986:PBE

- [Hoe86b] Jaap Hoek. Propagation of boundary effects in large systems on vector processors. *Computer Physics Communications*, 42(2):169–173, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900342>.

Hoek:1989:UAT

- [Hoe89] Jaap Hoek. Use of attached transputer hardware to VAX's for offline analysis. *Computer Physics Communications*, 57(1–3):503–504, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902737>.

Hoffstein:1984:PCLb

- [Hof84a] V. Hoffstein. Program for calculating LEED intensities based on the inelastic collision model: I. Matrix inversion method. *Computer Physics Communications*, 35(1–3):C-226, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824650>.

Hoffstein:1984:PCLa

- [Hof84b] V. Hoffstein. Program for calculating LEED intensities using band structure-matching formalism. *Computer Physics Communications*, 35(1–3):C-102, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823607>.

Hofmann:1988:FFB

- [Hof88] F. Hofmann. FBT — a free-boundary tokamak equilibrium code for highly elongated and shaped plasmas. *Computer Physics Communications*, 48(2):207–221, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900410>.

Hopgood:1985:GS

- [Hop85] F. R. A. Hopgood. Graphics standards. *Computer Physics Communications*, 38(2):233–243, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590089X>.

Houseman:1987:TVP

- [Hou87] Gregory A. Houseman. TDPOIS, a vector-processor routine for the solution of the three-dimensional Poisson and biharmonic equations in a rectangular prism. *Computer Physics Communications*, 43(2):257–267, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902104>.

Heifetz:1983:SMC

- [HP83] D. B. Heifetz and D. E. Post. SEURAT: a Monte-Carlo algorithm for calculating neutral gas transport in non-circular axisymmetric toroidal plasmas. *Computer Physics Communications*, 29(3):287–299, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900085>.

Heifetz:1984:SMC

- [HP84] D. B. Heifetz and D. E. Post. Seurat: a Monte-Carlo algorithm for calculating neutral gas transport in non-circular axisymmetric toroidal plasmas. *Computer Physics Communications*, 35(1–3):C–882, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829859>.

Hopkinson:1980:CPS

- [HPT80] J. F. L. Hopkinson, J. B. Pendry, and D. J. Titterton. Calculation of photoemission spectra for surfaces of solids. *Computer Physics Communications*, 19(1):69–92, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900685>.

Hender:1981:LNR

- [HR81] T. C. Hender and D. C. Robinson. Linear and nonlinear resistive instability studies. *Computer Physics Communications*, 24(3–4):413–419, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190165X>

Hughes:1983:OC

- [HR83a] M. H. Hughes and K. V. Roberts. OLYMPUS conventions. *Computer Physics Communications*, 29(1):15–43, March 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900255>.

Hughes:1983:OFC

- [HR83b] M. H. Hughes and K. V. Roberts. The OLYMPUS Fortran compositor. *Computer Physics Communications*, 29(1):45–57, March 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900267>.

Hughes:1983:OFG

- [HR83c] M. H. Hughes and K. V. Roberts. The OLYMPUS Fortran generator. *Computer Physics Communications*, 29(1):59–71, March 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900279>.

Hanssgen:1984:MCC

- [HR84a] K. Hänssgen and S. Ritter. The Monte Carlo code decay to simulate the decay of baryon and meson resonances. *Computer Physics Communications*, 31(4):411–418, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900249>.

Hughes:1984:TSI

- [HR84b] M. H. Hughes and A. P. V. Roberts. Timer — a software instrumentation routine for making timing measurements. *Computer Physics Communications*, 35(1–3):C-267, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825011>.

Hughes:1984:OFC

- [HR84c] M. H. Hughes and K. V. Roberts. The Olympus Fortran compositor. *Computer Physics Communications*, 35(1-3):C-862, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829690>.

Hughes:1984:OFG

- [HR84d] M. H. Hughes and K. V. Roberts. The Olympus Fortran generator. *Computer Physics Communications*, 35(1-3):C-863, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829707>.

Hughes:1984:ORF

- [HR84e] M. H. Hughes and K. V. Roberts. Olympus restart facilities. *Computer Physics Communications*, 35(1-3):C-268, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825023>.

Hanssgen:1986:MCCa

- [HR86a] K. Hänssgen and J. Ranft. The Monte Carlo code hadrin to simulate inelastic hadron-nucleon interactions at laboratory energies below 5 GeV. *Computer Physics Communications*, 39(1):37-51, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901621>■

Hanssgen:1986:MCCb

- [HR86b] K. Hänssgen and J. Ranft. The Monte Carlo code nucrin to simulate inelastic hadron-nucleus interactions at laboratory energies below 5 GeV. *Computer Physics Communications*, 39(1):53-70, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901633>■

Herman:1987:CCC

- [HR87] M. Herman and G. Reffo. Codes for the combinatorial calculation of few quasiparticle state densities in spherical and deformed nuclei. *Computer Physics Communications*, 47(1):103-111, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900701>.

Hoffstein:1984:SPC

- [HRB84] V. Hoffstein, D. K. Ray, and M. Belakhovsky. Symmetrized program for calculating energy bands and electronic structure of solids. *Computer Physics Communications*, 35(1-3):C-162, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824133>.

Hughes:1984:OCU

- [HRL84] M. H. Hughes, K. V. Roberts, and G. G. Lister. Olympus control and utility package for the CDC 6500. *Computer Physics Communications*, 35(1-3):C-336-C-337, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482559X>.

Hughes:1984:OPP

- [HRR84] M. H. Hughes, K. V. Roberts, and P. D. Roberts. Olympus and preprocessor package for an IBM 370/165. *Computer Physics Communications*, 35(1-3):C-290, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825205>.

Henry:1981:GPC

- [HRS81] Ronald J. W. Henry, S. P. Rountree, and Ed R. Smith. A general program to calculate atomic continuum processes using the NIEM method. *Computer Physics Communications*, 23(3):233-273, July 2, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900023>.

Henry:1984:GPC

- [HRS84] Ronald J. W. Henry, S. P. Rountree, and Ed R. Smith. A general program to calculate atomic continuum processes using the NIEM method. *Computer Physics Communications*, 35(1-3):C-723-C-727, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828635>.

Harp:1985:SPT

- [HRW85] J. G. Harp, J. B. G. Roberts, and J. S. Ward. Signal processing with transputer arrays (TRAPS). *Computer Physics Communications*, 37(1-3):77-86, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901389>.

Hughes:1984:ADS

- [HS84] J. G. Hughes and F. J. Smith. AMDS: a database system for atomic and molecular physics. *Computer Physics Communications*, 32(3):317-331, June 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900948>.

Hult:1982:SDP

- [HSA82] T. P. Hult, S. P. Svensson, and T. G. Andersson. A spectrum data processing system. *Computer Physics Communications*, 25(4):417-431, April 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900789>.

Hult:1984:SDP

- [HSA84] T. P. Hult, S. P. Svensson, and T. G. Andersson. A spectrum data processing system. *Computer Physics Communications*, 35(1-3):C-799, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829203>.

Hughes:1984:AMD

- [HSB⁺84] J. G. Hughes, F. J. Smith, K. A. Berrington, K. M. Aggarwal, and M. Elder. The atomic and molecular database at Belfast and Daresbury. *Computer Physics Communications*, 33(1-3):99-103, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901127>.

Hoheisel:1984:VCC

- [HSV84] C. Hoheisel, M. Schoen, and R. Vogelsang. Vectorized computation of correlation functions from phase space trajectories generated by molecular dynamics calculations. *Computer*

Physics Communications, 34(1–2):9–13, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901541>.

Hoshino:1984:PMD

- [HT84] Tsutomu Hoshino and Kiyo Takenouchi. Processing of the molecular dynamics model by the parallel computer pax. *Computer Physics Communications*, 31(4):287–296, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900134>.

Hansen:1988:PPC

- [HT88] J. P. Hansen and K. Taulbjerg. A preorthonormalization procedure for coupled channel problems. *Computer Physics Communications*, 51(3):317–321, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901440>.

Hubbard:1984:AVC

- [Hub84a] Lincoln B. Hubbard. Allowed values of coupled angular momentum and i -spin for nucleons in a single shell in j - j coupling. *Computer Physics Communications*, 35(1–3):C–53, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823188>.

Hubbard:1984:CFP

- [Hub84b] Lincoln B. Hubbard. Coefficients of fractional parentage in j - j coupling in the isospin representation. *Computer Physics Communications*, 35(1–3):C–28, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822961>.

Hubbard:1984:FCG

- [Hub84c] Lincoln B. Hubbard. First collision gamma-ray dose. *Computer Physics Communications*, 35(1–3):C–222, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824625>.

Hubbard:1984:GRD

- [Hub84d] Lincoln B. Hubbard. Gamma-radiation dosimetry for arbitrary source and target geometry. *Computer Physics Communications*, 35(1-3):C-111-C-112, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823693>.

Hubert:1984:SNWa

- [Hub84e] A. Hubert. Symmetric Néel walls in thin magnetic films. *Computer Physics Communications*, 35(1-3):C-40, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823073>.

Hubert:1984:SNWb

- [Hub84f] A. Hubert. Symmetric Néel walls in thin magnetic films. An adaptation to increase the range of convergence. *Computer Physics Communications*, 35(1-3):C-56, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823218>.

Hubeny:1988:CPC

- [Hub88] I. Hubeny. A computer program for calculating non-LTE model stellar atmospheres. *Computer Physics Communications*, 52(1):103-132, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901774>.

Huberman:1989:PC

- [Hub89] Bernardo A. Huberman. Parallel computation. *Computer Physics Communications*, 56(1):25-42, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900507>.

Hughes:1984:SPE

- [Hug84] M. H. Hughes. Solution of Poisson's equation in cylindrical coordinates. *Computer Physics Communications*, 35(1-3):C-76, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823395>.

Hutton:1989:FSN

- [Hut89] James Hutton. Future scientific networking. *Computer Physics Communications*, 57(1–3):188–190, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902105>.

Hirshman:1986:TDF

- [HvRM86] S. P. Hirshman, W. I. van RIJ, and P. Merkel. Three-dimensional free boundary calculations using a spectral Green's function method. *Computer Physics Communications*, 43(1):143–155, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900585>.

Hoheisel:1987:CSM

- [HVS87] C. Hoheisel, R. Vogelsang, and M. Schoen. Comparison of the Singer method and the constraints method for molecular dynamics with linear molecules on the vector computer CYBER 205. *Computer Physics Communications*, 43(2):217–229, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902074>.

Haydock:1984:CAR

- [HW84a] Roger Haydock and D. Weaire. Computational advantages of the recursion and Lanczos methods. *Computer Physics Communications*, 31(4):431–432, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900274>.

Hicks:1984:LNI

- [HW84b] H. R. Hicks and J. W. Wooten. Linear and nonlinear ideal MHD codes — V103. *Computer Physics Communications*, 35(1–3):C-419–C-420, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826296>.

Hsiao:1989:COQ

- [HWL89] Ming-Yuan Hsiao, K. A. Werley, and K. M. Ling. CFRX, a one-and-a-quarter-dimensional transport code for field-reversed

configuration studies. *Computer Physics Communications*, 54 (2-3):329-352, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900957>

Indrea:1980:FAE

- [IA80] E. Indrea and N. Aldea. Fourier analysis of EXAFS data, a self-contained Fortran program-package. *Computer Physics Communications*, 21(1):91-96, December 1, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900788>.

Indrea:1984:FAE

- [IA84] E. Indrea and N. Aldea. Fourier analysis of exafs data, a self-contained Fortran program-package. *Computer Physics Communications*, 35(1-3):C-652, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482812X>

Ioannides:1986:CSP

- [IA86] K. Ioannides and P. A. Assimakopoulos. CEAN — a system for processing coincident data and particle identification. *Computer Physics Communications*, 39(2):245-257, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901359>.

Ixaru:1987:CMM

- [IB87] L. Gr. Ixaru and S. Berceanu. Coleman's method maximally adapted to the Schrödinger equation. *Computer Physics Communications*, 44(1-2):11-20, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900130>.

Itoh:1984:NCI

- [IFI84] Kimitaka Itoh, Atsushi Fukuyama, and Sanae-Inoue Itoh. Numerical calculation of ICRF waves in tokamak plasmas. *Computer Physics Communications*, 32(1):35-44, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900067>.

Izrar:1989:IVE

- [IGB⁺89] B. Izrar, A. Ghizzo, P. Bertrand, E. Fijalkow, and M. R. Feix. Integration of Vlasov equation by a fast Fourier Eulerian code. *Computer Physics Communications*, 52(3):375–382, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901124>.

Iles:1986:TFP

- [IH86] R. M. J. Iles and S. J. Hague. Toolpack: The first public release. *Computer Physics Communications*, 41(2-3):259–270, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690069X>.

Iwasaki:1988:QPC

- [IHS⁺88] Y. Iwasaki, T. Hoshino, T. Shirakawa, Y. Oyanagi, and T. Kawai. QCDPAX: a parallel computer for lattice QCD simulation. *Computer Physics Communications*, 49(3):449–455, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900057>.

Sibert:1988:VAM

- [III88] Edwin L. Sibert III. VANVLK: An algebraic manipulation program for canonical van vleck perturbation theory. *Computer Physics Communications*, 51(1-2):149–160, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900689>.

Finan:1981:STD

- [IK81] C. H. Finan III and J. Killeen. Solution of the time-dependent, three-dimensional resistive magnetohydrodynamic equations. *Computer Physics Communications*, 24(3-4):441–463, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901697>.

Ito:1985:RPF

- [IK85] Masaaki Ito and Fujio Kako. A REDUCE program for finding conserved densities of partial differential equations with uniform rank. *Computer Physics Communications*, 38(3):415–419,

December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901092>.

Ina:1985:LSD

- [IKM85] Hiroshi Ina, Sachio Kamiya, and Jiro Mikami. Languages and software development tools for supercomputers. *Computer Physics Communications*, 38(2):211–219, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900876>.

Ilyin:1989:HSD

- [IKRT89] V. A. Ilyin, A. P. Kryukov, A. Ya. Rodionov, and A. Yu. Taranov. High speed Dirac algebra calculations in a space of arbitrary dimension by means of a computer algebra system. *Computer Physics Communications*, 57(1–3):505–506, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902749>.

Irwin:1984:PER

- [IL84] D. J. G. Irwin and A. E. Livingston. A program for the extraction of radiative lifetimes from experimental beam-foil intensity decay data. *Computer Physics Communications*, 35(1–3):C–229, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824686>.

Ingelman:1987:TMC

- [Ing87] G. Ingelman. TWISTER — a Monte Carlo for QCD high- p \perp scattering. *Computer Physics Communications*, 46(2):217–240, August 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900038>.

IP:1988:CIA

- [IP88] W.-H. IP. Cometary ion acceleration processes. *Computer Physics Communications*, 49(1):1–7, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902123>.

Ixaru:1980:NLS

- [IR80] L. Gr. Ixaru and M. Rizea. A Numerov-like scheme for the numerical solution of the Schrödinger equation in the deep continuum spectrum of energies. *Computer Physics Communications*, 19(1):23–27, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900624>.

Ixaru:1985:CSF

- [IR85] L. Gr. Ixaru and M. Rizea. Comparison of some four-step methods for the numerical solution of the Schrödinger equation. *Computer Physics Communications*, 38(3):329–337, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901006>.

Irvine:1982:TDH

- [Irv82] J. M. Irvine. Time-Dependent Hartree–Fock analysis of heavy ion collisions. *Computer Physics Communications*, 26(3–4):433–440, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901394>.

Islam:1981:PCS

- [Isl81] Md. M. Islam. A program for calculating the structure factors of liquid metals and binary liquid alloys. *Computer Physics Communications*, 23(1):43–50, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901284>.

Islam:1984:PCS

- [Isl84a] Md. M. Islam. A program for calculating the structure factors of liquid metals and binary liquid alloys. *Computer Physics Communications*, 35(1–3):C–701, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828490>.

Islam:1984:RCF

- [Isl84b] Md. M. Islam. A routine for calculating the form-factor and the electrical resistivity of liquid N.F.E. metals. *Computer*

Physics Communications, 35(1-3):C-183, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824297>.

Ito:1985:RPE

- [Ito85] Masaaki Ito. A REDUCE program for evaluating a Lax pair form. *Computer Physics Communications*, 34(3):325-331, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900098>.

Ito:1986:RPF

- [Ito86] Masaaki Ito. A Reduce program for finding symmetries of nonlinear evolution equations with uniform rank. *Computer Physics Communications*, 42(3):351-357, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900056>.

Ito:1988:RPH

- [Ito88] Masaaki Ito. A REDUCE program for Hirota's bilinear operator and Wronskian operations. *Computer Physics Communications*, 50(3):321-330, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901889>.

Isaacson:1987:PGC

- [ITR+87] Alan D. Isaacson, Donald G. Truhlar, Sachchida N. Rai, Rozeanne Steckler, Gene C. Hancock, Bruce C. Garrett, and Michael J. Redmon. POLYRATE: a general computer program for variational transition state theory and semi-classical tunneling calculations of chemical reaction rates. *Computer Physics Communications*, 47(1):91-102, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900695>.

Ingelman:1987:LMC

- [IW87] G. Ingelman and A. Weigend. LUCIFER — a Monte Carlo for high- p_{\perp} photoproduction. *Computer Physics Communications*, 46(2):241-261, August 1987. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790004X>

Ixaru:1980:PNM

- [Ixa80] L. Gr Ixaru. Perturbative numerical methods to solve the Schrödinger equation. *Computer Physics Communications*, 20(1):97–112, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901150>

Jamieson:1980:PCE

- [JA80] M. J. Jamieson and I. H. K. Aldeen. A program to calculate the eigenfunctions of the random phase approximation for two electron systems. *Computer Physics Communications*, 20(2):213–219, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090003X>.

Jamieson:1984:PCE

- [JA84] M. J. Jamieson and I. H. K. Aldeen. A program to calculate the eigenfunctions of the random phase approximation for two electron systems. *Computer Physics Communications*, 35(1–3):C–631, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827939>.

Jabs:1984:AFA

- [Jab84] Arthur Jabs. Approximation formula and Algol program of the Lorentz-invariant momentum-space integral for particles of equal masses. *Computer Physics Communications*, 35(1–3):C–175–C–176, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824236>.

Jackson:1980:CPL

- [Jac80] C. Jackson. The CPC program library. *Computer Physics Communications*, 19(1):11–15, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900600>.

Jacobs:1981:AEF

- [Jac81] David A. Jacobs. Applications of ESOP, a fast microprogrammable processor, in high energy physics experiments at CERN. *Computer Physics Communications*, 22(2–3):261–267, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900576>.

Jacobs:1982:EEF

- [Jac82] D. A. Jacobs. Experience with ESOP, a fast microprogrammable trigger processor. *Computer Physics Communications*, 26(1–2):69–77, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901606>.

Jackson:1985:FSMb

- [Jac85a] C. Jackson. A Fortran system to maintain a program library, adapt retrieve for retrieval of decks containing free format data. *Computer Physics Communications*, 38(1):115, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900505>.

Jackson:1985:FSMa

- [Jac85b] C. Jackson. A Fortran system to maintain a program library, adapt update to store decks containing free format data. *Computer Physics Communications*, 38(1):113–114, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900499>.

Jadach:1984:RGM

- [Jad84] S. Jadach. Rapidity generator for Monte-Carlo calculations of cylindrical phase space. *Computer Physics Communications*, 35(1–3):C-310–C-311, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825370>.

Jakab:1984:SPN

- [Jak84] L. Jakab. A simple procedure for numerical approximation of the $F_m(z)$ functions with complex argument. *Computer*

Physics Communications, 31(1):89–95, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900845>.

James:1980:ISL

- [Jam80] F. James. Interpretation of the shape of the likelihood function around its minimum. *Computer Physics Communications*, 20(1):29–35, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901034>.

James:1981:P

- [Jam81] Frederick James. Preface. *Computer Physics Communications*, 22(2–3):v, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900370>.

James:1982:SPP

- [Jam82] R. A. James. Simulation of particle problems in astrophysics. *Computer Physics Communications*, 26(3–4):423–431, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901382>.

Jamieson:1984:PCR

- [Jam84] M. J. Jamieson. A program to calculate the radial parts of interaction matrix elements between two hydrogenic wave functions as power series. *Computer Physics Communications*, 35(1–3):C–50, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823152>.

James:1986:DPN

- [Jam86a] F. James. Do physicists need software engineering? *Computer Physics Communications*, 41(2–3):205–216, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900652>.

James:1986:ECP

- [Jam86b] G. D. James. Exact calculation of the penetrability through triple hump fission barriers. *Computer Physics Communica-*

tions, 40(2-3):375-387, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901207>

Jamieson:1987:NSR

- [Jam87] M. J. Jamieson. Numerical solution of the restricted rotor eigenvalue equation in molecular collision calculations. *Computer Physics Communications*, 47(2-3):229-233, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901093>.

Jamieson:1988:CUA

- [Jam88] M. J. Jamieson. A comment on the use and accuracy of the Richardson deferred approach to the limit. *Computer Physics Communications*, 50(3):289-292, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890183X>.

Jaschek:1984:DA

- [Jas84] C. Jaschek. Data in astronomy. *Computer Physics Communications*, 33(1-3):289-290, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901334>.

Jacquemin:1980:CAM

- [JB80] J. L. Jacquemin and G. Bordure. A computer-aided modelling of Cu_2S -CdS solar cells. *Computer Physics Communications*, 21(1):51-61, December 1, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900752>.

Jaeger:1986:IWP

- [JBWW86] E. F. Jaeger, D. B. Batchelor, H. Weitzner, and J. H. Whealton. ICRF wave propagation and absorption in tokamak and mirror magnetic fields — a full-wave calculation. *Computer Physics Communications*, 40(1):33-64, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901475>.

Jesshope:1982:PHD

- [Jes82] C. R. Jesshope. Programming with a high degree of parallelism in Fortran. *Computer Physics Communications*, 26(3-4):237-246, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901114>.

Jesshope:1984:SSS

- [Jes84] C. R. Jesshope. Sipsol — a suite of subprograms for the solution of the linear equations arising from elliptic partial differential equations. *Computer Physics Communications*, 35(1-3):C-566, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827411>.

Jesshope:1985:ROP

- [Jes85] C. R. Jesshope. The RPA — optimising a processor array architecture for implementation using VLSI. *Computer Physics Communications*, 37(1-3):95-100, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901407>.

Jesshope:1986:CPN

- [Jes86] C. R. Jesshope. Computational physics and the need for parallelism. *Computer Physics Communications*, 41(2-3):363-375, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900755>.

Jesshope:1987:BRB

- [Jes87] C. R. Jesshope. Book review: *Parallel Array Processing*: P. G. Ducksbury, Ellis Horwood, Chichester, 1986 (Distributed by J. Wiley). ISBN 0-7458-0019-X. £14.95. *Computer Physics Communications*, 43(2):313, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902153>.

Johnston:1987:LCS

- [JHRR87] William E. Johnston, Dennis E. Hall, Fritz Renema, and David Robertson. Low cost scientific video movie making. *Computer Physics Communications*, 45(1-3):479-484, August 1,

1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901937>.

Janzen:1984:PMM

- [JL84] A. R. Janzen and J. W. Leech. Periodic multistep methods in molecular dynamics. *Computer Physics Communications*, 32(4):349–359, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900523>.

Joubert:1982:MPC

- [JM82] G. R. Joubert and A. J. Maeder. An MIMD parallel computer system. *Computer Physics Communications*, 26(3–4):253–257, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290114X>.

Jejcic:1989:CRE

- [JMS⁺89] Alain Jejcic, Jacques Maillard, Jorge Silva, Michel Auguin, and Fernand Boeri. Could running experience on SPMD computers contribute to the architectural choices for future dedicated computers for high energy physics simulation? *Computer Physics Communications*, 57(1–3):507–511, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902750>.

Johns:1985:PSG

- [JN85] T. C. Johns and A. H. Nelson. Particle simulation of 3D galactic hydrodynamics on the ICL DAP. *Computer Physics Communications*, 37(1–3):329–336, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901699>.

Johnstad:1987:PSS

- [JN87] H. Johnstad and J. Nicholls. Producing and supporting sharable software. *Computer Physics Communications*, 45(1–3):473–474, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901913>.

Johnsson:1985:CRB

- [Joh85] S. Lennart Johnsson. Cyclic reduction on a binary tree. *Computer Physics Communications*, 37(1-3):195-203, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901535>.

Johnson:1987:FP

- [Joh87a] A. S. Johnson. Fortran preprocessors. *Computer Physics Communications*, 45(1-3):275-281, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901640>.

Johnson:1987:IMC

- [Joh87b] H. Fisk Johnson. An improved method for computing a discrete Hankel transform. *Computer Physics Communications*, 43(2):181-202, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902049>.

Johnson:1988:SVE

- [Joh88] B. R. Johnson. Semiclassical vibrational eigenvalues of H₂O and SO₂ by the adiabatic switching method. *Computer Physics Communications*, 51(1-2):1-10, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900574>.

Johnstad:1989:PFC

- [Joh89] Harald Johnstad. PAW at Fermilab CORE-based graphics implementation of HIGZ. *Computer Physics Communications*, 57(1-3):438-442, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902580>.

Jenkins:1980:LCL

- [JP80] H. D. B. Jenkins and K. F. Pratt. Latent — a complete lattice energy program. *Computer Physics Communications*, 21(2):257-269, December 2, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900442>.

Jenkins:1984:CFD

- [JP84a] H. D. B. Jenkins and K. F. Pratt. Calculation of the first derivatives of Madelung constants with respect to cell lengths. *Computer Physics Communications*, 35(1-3):C-434, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826430>.

Jenkins:1984:LCL

- [JP84b] H. D. B. Jenkins and K. F. Pratt. LATEN — a complete lattice energy program. *Computer Physics Communications*, 35(1-3):C-666-C-667, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828222>.

James:1984:MSF

- [JR84] F. James and M. Roos. Minut — a system for function minimization and analysis of the parameter errors and correlations. *Computer Physics Communications*, 35(1-3):C-346-C-347, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825680>.

Jackson:1982:DNP

- [JSB82] A. A. Jackson, H. M. Sykes, and R. S. Blake. Drooling — a non-parametric multidimensional clustering algorithm for distributed array processor. *Computer Physics Communications*, 27(4):351-364, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900972>.

Jain:1983:PGS

- [JT83] Ashok Jain and D. G. Thompson. A program to generate the symmetry-adapted rotational eigenfunctions and energy levels for asymmetric top molecules. *Computer Physics Communications*, 30(3):301-309, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900978>.

Jain:1984:EGP

- [JT84a] Ashok Jain and D. G. Thompson. EROTVIB, a general program to calculate rotationally and / or vibrationally elastic and inelastic cross sections for electron (positron) scattering by spherical, symmetric and asymmetric top molecules. *Computer Physics Communications*, 32(4):367–383, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900547>.

Jain:1984:PGS

- [JT84b] Ashok Jain and D. G. Thompson. A program to generate the symmetry-adapted rotational eigenfunctions and energy levels for asymmetric top molecules. *Computer Physics Communications*, 35(1–3):C–918, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830179>.

Judge:1987:NVA

- [Jud87] R. H. Judge. A new version of ‘asyrot’ for the HP Vectra or any IBM AT compatible computer. *Computer Physics Communications*, 47(2–3):361–363, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901214>.

Junker:1981:CFT

- [Jun81] B. R. Junker. Computation of Fourier transform of a general two-centre STO charge distribution. *Computer Physics Communications*, 23(4):377–384, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901788>.

Junker:1984:CFT

- [Jun84] B. R. Junker. Computation of Fourier transform of a general two-centre STO charge distribution. *Computer Physics Communications*, 35(1–3):C–735–C–736, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828702>.

Jadach:1985:MCS

- [JW85] S. Jadach and Z. Was. Monte Carlo simulation of the process $e^+e^- \rightarrow \tau^+\tau^-$, $\tau^\pm \rightarrow X^\pm$ including radiative $O(\alpha^3)$ QED corrections, mass and spin effects. *Computer Physics Communications*, 36(2):191–211, April 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901237>.

Koniges:1987:IPB

- [KA87] A. E. Koniges and D. V. Anderson. ILUBCG2: a preconditioned biconjugate gradient routine for the solution of linear asymmetric matrix equations arising from 9-point discretizations. *Computer Physics Communications*, 43(2):297–302, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790213X>.

Kaczarowski:1984:CPC

- [Kac84] R. Kaczarowski. A computer program for calculation of the Coriolis effect in odd- A nuclei. *Computer Physics Communications*, 35(1-3):C-415, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826247>.

Karita:1989:NHE

- [KAH⁺89] Yukio Karita, Fumio Abe, Hitoshi Hirose, Hiroyuki Goto, Ryusuke Ogasawara, Fukuko Yuasa, Yoshiaki Banno, and Yoshiji Yasu. Networking for high energy physics in japan. *Computer Physics Communications*, 57(1-3):455–458, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902622>.

Kalantar:1982:DSD

- [Kal82] A. H. Kalantar. Detecting systematic deviations from single exponentiality, using numerical integration and difference plots. *Computer Physics Communications*, 25(3):209–216, March 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900170>.

Kalantar:1983:NLD

- [Kal83] A. H. Kalantar. Noise limitations on the detection of a second exponential in nearly single exponential decay data. *Computer Physics Communications*, 28(3):315–316, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900486>.

Kammerer:1984:GLF

- [Kam84] U. Kammerer. Ginzburg–Landau–fluxoids. *Computer Physics Communications*, 35(1–3):C–1, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822730>.

Kamlander:1986:RPC

- [Kam86] G. Kamlander. Retrans — a program for calculating reactivity transients. *Computer Physics Communications*, 39(1):105–125, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901669>.

Kanzaki:1987:SSD

- [Kan87] J. Kanzaki. Software structure for detectors at TRISTAN. *Computer Physics Communications*, 45(1–3):485, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901950>.

Kara:1980:EEB

- [Kar80] S. M. Kara. Energy eigenvalues and bound-bound transitions of hydrogen atoms in a magnetic field using cylindrical basis functions. *Computer Physics Communications*, 20(2):221–235, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900041>.

Koskelo:1981:SMP

- [KAR81] M. J. Koskelo, P. A. Aarnio, and J. T. Routti. SAMPO80: Minicomputer program for gamma spectrum analysis with nuclide identification. *Computer Physics Communications*, 24(1):11–35, September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901041>.

Kara:1984:EEB

- [Kar84a] S. M. Kara. Energy eigenvalues and bound-bound transitions of hydrogen atoms in a magnetic field using cylindrical basis functions. *Computer Physics Communications*, 35(1-3):C-632, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827940>.

Koskelo:1984:SMP

- [KAR84b] M. J. Koskelo, P. A. Aarnio, and J. T. Routti. SAMP080: Mini-computer program for gamma spectrum analysis with nuclide identification. *Computer Physics Communications*, 35(1-3):C-741, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828751>.

Kashiwagi:1982:LST

- [Kas82] Hiroshi Kashiwagi. Large-scale theoretical calculations in molecular science-design of a large computer system for molecular science and necessary conditions for future computers. *Computer Physics Communications*, 26(3-4):411-414, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901357>.

Kasman:1984:MCS

- [Kas84] J. Kasman. Monte Carlo simulation of the diffractive excitation model. *Computer Physics Communications*, 35(1-3):C-301, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825308>.

Katsonis:1984:DAA

- [Kat84] Konstantinos Katsonis. Development and application of atomic data bases. *Computer Physics Communications*, 33(1-3):115-128, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901140>.

Kawabata:1986:NMC

- [Kaw86] S. Kawabata. A new Monte Carlo event generator for high energy physics. *Computer Physics Communications*, 41(1):127-153, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900251>.

Kolman:1984:FIM

- [KB84] Bernard Kolman and Robert E. Beck. Freudenthal's inner multiplicity formula. *Computer Physics Communications*, 35(1-3): C-205, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824479>.

Kitowski:1986:AFD

- [KB86a] Jacek Kitowski and Monika Bargiel. Applications of fuzzy diagnostics to failure analysis of industrial complex plants. *Computer Physics Communications*, 41(2-3):419-421, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900834>.

Kushner:1986:ECC

- [KB86b] Ed Kushner and Rick Broussard. Efficient computation of the cylindrical Bessel functions of complex argument. *Computer Physics Communications*, 42(3):345-349, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900044>.

Koch:1986:GSI

- [KBMV86] R. Koch, V. P. Bhatnagar, A. M. Messiaen, and D. Van Eester. A global solution of the ICRH problem based on the combined use of a planar coupling model and hot-plasma ray-tracing in tokamak geometry. *Computer Physics Communications*, 40(1): 1-22, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901451>.

Kapp:1981:IPD

- [KC81a] B. C. Kapp and J. R. Comfort. Implementation of the partitioned data set concept for DEC-10 computers. *Computer Physics Communications*, 23(4):365-375, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901776>.

Karp:1981:DIW

- [KC81b] B. C. Karp and J. R. Comfort. Design and implementation of a word addressable data set for DEC-10 computers. *Computer Physics Communications*, 23(4):355–364, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901764>.

Karp:1984:DIW

- [KC84a] B. C. Karp and J. R. Comfort. Design and implementation of a word addressable data set for DEC-10 computers. *Computer Physics Communications*, 35(1–3):C–733, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828684>.

Karp:1984:IPD

- [KC84b] B. C. Karp and J. R. Comfort. Implementation of the partitioned data set concept for DEC-10 computers. *Computer Physics Communications*, 35(1–3):C–734, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828696>.

Kuo:1984:SRI

- [KCA84] C. T. K. Kuo, T. W. Cadman, and R. J. Arsenault. Sequential random integer generator. *Computer Physics Communications*, 35(1–3):C–394, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826053>.

Kirkegaard:1984:PVP

- [KE84a] Peter Kirkegaard and Morten Eldrup. Positronfit: a versatile program for analysing positron lifetime spectra. *Computer Physics Communications*, 35(1–3):C–138, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823929>.

Kirkegaard:1984:PEN

- [KE84b] Peter Kirkegaard and Morten Eldrup. Positronfit extended: a new version of a program for analysing positron lifetime spectra. *Computer Physics Communications*, 35(1–3):C–255, ???

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824911>.

Kegel:1981:TFS

- [Keg81] Gunter H. R. Kegel. A time-of-flight spectrum simulator for neutron elastic and inelastic scattering. *Computer Physics Communications*, 24(2):205–223, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900953>.

Kegel:1984:TFS

- [Keg84] Gunter H. R. Kegel. A time-of-flight spectrum simulator for neutron elastic and inelastic scattering. *Computer Physics Communications*, 35(1–3):C-761, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482891X>.

Kegel:1985:FES

- [Keg85] Gunter H. R. Kegel. Fluences and energy spectra of fast neutrons from a proton-irradiated thick lithium target. *Computer Physics Communications*, 36(3):321–336, May 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900591>.

Kellner:1987:DSA

- [Kel87] G. Kellner. Development of software for ALEPH using structured techniques. *Computer Physics Communications*, 45(1–3):229–243, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901603>.

Kirkegaard:1981:PSA

- [KEMP81] Peter Kirkegaard, Morten Eldrup, Ole E. Mogensen, and Niels J. Pedersen. Program system for analysing positron lifetime spectra and angular correlation curves. *Computer Physics Communications*, 23(3):307–335, July 2, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900060>.

Kirkegaard:1984:PSA

- [KEMP84] Peter Kirkegaard, Morten Eldrup, Ole E. Mogensen, and Niels J. Pedersen. Program system for analysing positron lifetime spectra and angular correlation curves. *Computer Physics Communications*, 35(1-3):C-732, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828672>.

Kennedy:1989:SLG

- [Ken89a] A. D. Kennedy. Status of lattice gauge theory calculations. *Computer Physics Communications*, 57(1-3):57-67, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901926>.

Kennedy:1989:RDR

- [Ken89b] A. S. Kennedy. Recent developments in real time structured analysis. *Computer Physics Communications*, 57(1-3):561, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902920>.

Keyes:1989:DDM

- [Key89] David E. Keyes. Domain decomposition methods for the parallel computation of reacting flows. *Computer Physics Communications*, 53(1-3):181-200, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901598>.

Kankowsky:1984:PCC

- [KF84] R. Kankowsky and D. Fick. A program to calculate complex phase shifts and mixing parameters of elastic scattering of spin 1/2 particles on spin 1/2 targets. *Computer Physics Communications*, 35(1-3):C-86-C-87, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823486>.

Koskinen:1988:VOW

- [KGAL88] Hannu E. J. Koskinen, Georg Gustafsson, Mats André, and Rickard Lundin. Viking observations of wave-particle interac-

tions and ion wave instabilities in the high-latitude magnetosphere. *Computer Physics Communications*, 49(1):75–83, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902160>.

Knowles:1989:DBF

- [KH89] Peter J. Knowles and Nicholas C. Handy. A determinant based full configuration interaction program. *Computer Physics Communications*, 54(1):75–83, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900337>.

Killeen:1980:RIC

- [Kil80] J. Killeen. Report of the IAEA Consultants' Meeting on Computer Codes for Fusion Research 5–7 December 1979, Vienna, Austria. *Computer Physics Communications*, 19(3):273–291, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090082X>.

Kirby:1987:SCD

- [Kir87] P. Kirby. A simulation code for 3-dimensional non-linear incompressible resistive MHD in a periodic cylinder. *Computer Physics Communications*, 47(1):17–43, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900646>.

Kerner:1984:AME

- [KJ84] W. Kerner and O. Jandl. Axisymmetric MHD equilibria with flow. *Computer Physics Communications*, 31(2–3):269–285, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490050X>.

Kightley:1985:CCG

- [KJ85] J. R. Kightley and I. P. Jones. A comparison of conjugate gradient preconditionings for three-dimensional problems on a CRAY-1. *Computer Physics Communications*, 37(1–3):205–214, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901547>.

Kessel:1988:RO

- [KJRS88] R. L. Kessel, A. D. Johnstone, D. J. Rodgers, and M. F. Smith. Reconnection observations. *Computer Physics Communications*, 49(1):161–172, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902238>.

Keren:1983:GAM

- [KK83a] E. Keren and O. Kafri. A geometric approach for mapping of derivatives. *Computer Physics Communications*, 29(2):109–112, April 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900656>.

Kosloff:1983:NPF

- [KK83b] D. Kosloff and R. Kosloff. A non-periodic Fourier method for solution of the classical wave equation. *Computer Physics Communications*, 30(3):333–336, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901005>.

Kajantie:1984:EVP

- [KK84a] K. Kajantie and V. Karimäki. The evaluation of the volume of the phase space of N particles. *Computer Physics Communications*, 35(1-3):C-84, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823462>.

Kunasz:1984:TLR

- [KK84b] C. V. Kunasz and P. B. Kunasz. Transfer of line radiation in optically thick media allowing for transport of excitation energy: The resonant doublet. *Computer Physics Communications*, 35(1-3):C-345, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825679>.

Kitowski:1985:FLA

- [KK85] J. Kitowski and E. Ksiazek. Fuzzy logic applications for failure analysis and diagnosis of a primary circuit of the HTR nuclear power plant. *Computer Physics Communications*, 38(2):323–327, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900980>.

Kawabata:1988:MDI

- [KK88] S. Kawabata and T. Kaneko. A multi-dimensional integration package for a vector processor. *Computer Physics Communications*, 48(3):353–365, March 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902019>.

Kaneko:1989:PFS

- [KK89] Toshiaki Kaneko and Setsuya Kawabata. A preprocessor for Fortran source code produced by REDUCE. *Computer Physics Communications*, 55(2):141–147, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900738>.

King:1984:RLE

- [KKLP84] Frederick W. King, Michael K. Kelly, Mary A. LeGore, and Martin E. Poitzsch. Reduced local energy for atomic Hartree–Fock wavefunctions. *Computer Physics Communications*, 32(2):215–224, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900730>.

Kirillov:1982:SLC

- [KKLS82] V. I. Kirillov, E. L. Kosarev, L. B. Luganskii, and A. M. Schastlivtzev. Small laboratory computer automation system based on Hewlett–Packard HP-1000 mini computer and IEEE-488 standard. *Computer Physics Communications*, 26(1–2):201–204, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901692>.

Katsuki:1982:CPS

- [KKP82] Shinichi Katsuki, Mariusz Klobukowski, and Pancracio Paltling. A compact program of the SCF- $X\alpha$ scattered wave method: Version II. *Computer Physics Communications*, 25(1):39–55, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290042X>.

Katsuki:1984:CPSb

- [KKP84] Shinichi Katsuki, Mariusz Klobukowski, and Pancracio Paltling. A compact program of the SCF- $X\alpha$ scattered wave method: Version II. *Computer Physics Communications*, 35(1–3):C-764–C-765, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828945>.

Kaneko:1987:AGF

- [KKS87] T. Kaneko, S. Kawabata, and Y. Shimizu. Automatic generation of Feynman graphs and amplitudes in QED. *Computer Physics Communications*, 43(2):279–295, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902128>.

Kuroda:1988:BSH

- [KKT⁺88] S. Kuroda, T. Kamitani, K. Tobimatsu, S. Kawabata, and Y. Shimizu. Bhabha scattering at high energy. *Computer Physics Communications*, 48(3):335–351, March 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902007>.

Kluge:1984:NFG

- [KL84a] G. Kluge and K. G. Lenhart. Numerical fits for the geomagnetic shell parameter. *Computer Physics Communications*, 35(1–3):C-120, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823784>.

Komle:1984:SFD

- [KL84b] Norbert I. Kömle and Herbert I. M. Lichtenegger. Shock formation and decay in hydrodynamic flows with mass loading.

Computer Physics Communications, 34(1–2):47–55, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901589>.

Klapisch:1984:PAW

- [Kla84] M. Klapisch. A program for atomic wavefunction computations by the parametric potential method. *Computer Physics Communications*, 35(1–3):C–89, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823504>.

Kerner:1985:NMA

- [KLG85] W. Kerner, K. Lerbinger, R. Gruber, and T. Tsunematsu. Normal mode analysis for resistive cylindrical plasmas. *Computer Physics Communications*, 36(3):225–240, May 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900530>.

Klobukowski:1982:AA

- [Klo82] M. Klobukowski. An adaptation of ACQI to calculate the data for MSXALPHA program. *Computer Physics Communications*, 25(1):29–38, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900418>.

Klobukowski:1984:AA

- [Klo84a] M. Klobukowski. An adaptation of acqi to calculate the data for MS-X α program. *Computer Physics Communications*, 35(1–3):C–763, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828933>.

Klotz:1984:GPC

- [Klo84b] W.-D. Klotz. A general program to calculate the matrix of the spin-orbit interaction. *Computer Physics Communications*, 35(1–3):C–295, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825254>.

Klotz:1984:RME

- [Klo84c] Wolf-Dieter Klotz. Reduced matrix elements of summations of one-particle tensor products. *Computer Physics Communications*, 35(1–3):C–327, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825503>.

Kerner:1985:CCE

- [KLS85] W. Kerner, K. Lerbinger, and J. Steuerwald. Computing complex eigenvalues of large non-Hermitian matrices. *Computer Physics Communications*, 38(1):27–37, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900426>.

Kronfeld:1989:VCC

- [KLS⁺89] A. S. Kronfeld, M. L. Laursen, G. Schierholz, C. Schliefermacher, and U.-J. Wiese. A vectorized code for the computation of the topological charge in SU(2) lattice gauge theory. *Computer Physics Communications*, 54(1):109–124, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900374>.

Kluge:1984:DCM

- [Klu84a] G. Kluge. Direct computation of the magnetic shell parameter. *Computer Physics Communications*, 35(1–3):C–119, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823772>.

Kluge:1984:GFM

- [Klu84b] G. Kluge. Geomagnetic field models: Scalar and vector potential, induction vector and its gradient tensor computed by a common algorithm. *Computer Physics Communications*, 35(1–3):C–161, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824121>.

Krivec:1982:PPC

- [KM82] R. Krivec and M. V. Mihailović. Program package for calculating matrix elements of two-cluster structures in nuclei.

Computer Physics Communications, 28(2):153–182, December 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900522>.

Kerr:1984:PCW

- [KM84a] I. F. Kerr and C. H. B. Mee. Program for calculating work functions from photoelectric data. *Computer Physics Communications*, 35(1–3):C–257, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824935>.

Krivec:1984:PPC

- [KM84b] R. Krivec and M. V. Mihailović. Program package for calculating matrix elements of two-cluster structures in nuclei. *Computer Physics Communications*, 35(1–3):C–841–C–842, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829513>.

Kruger:1984:CNG

- [KM84c] P. B. Kruger and R. M. Mayer. Calculation of the nucleation and growth of defect clusters. *Computer Physics Communications*, 35(1–3):C–602, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482771X>.

Kuba:1985:EML

- [KM85] D. W. Kuba and K. J. M. Moriarty. Efficient multitasking of the Su(3) lattice gauge theory algorithm on the Cray X-MP. *Computer Physics Communications*, 36(4):351–362, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900244>.

Kerbel:1986:CBR

- [KM86] G. D. Kerbel and M. G. McCoy. Collision broadened resonance localization in tokamaks excited with ICRF waves. *Computer Physics Communications*, 40(1):105–113, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901529>.

Kronfeld:1988:EMC

- [KMS88] A. S. Kronfeld, K. J. M. Moriarty, and G. Schierholz. An efficient method for the computation of glueball masses using the inverse of the covariant Dirac operator as correlator. *Computer Physics Communications*, 52(1):1–6, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901646>.

Klucker:1984:KKA

- [KN84a] R. Klucker and U. Nielsen. Kramers–Kronig analysis of reflection data. *Computer Physics Communications*, 35(1–3):C–218–C–219, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824595>.

Kunc:1984:LDZb

- [KN84b] K. Kunc and O. H. Nielsen. Lattice dynamics of zincblende structure compounds II. Shell model. *Computer Physics Communications*, 35(1–3):C–570, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827447>.

Kunc:1984:LDZa

- [KN84c] K. Kunc and O. Holm Nielsen. Lattice dynamics of zincblende structure compounds using deformation-dipole model and rigid ion model. *Computer Physics Communications*, 35(1–3):C–529–C–530, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827101>.

Katznelson:1986:ISA

- [KN86] E. Katznelson and A. Nobile. Implementation and statistical analysis of Metropolis algorithm for SU(3). *Computer Physics Communications*, 39(1):1–19, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901591>.

Knox:1984:CWH

- [Kno84] H. O. Knox. Computation of wavefunctions for the helium isoelectronic sequence. *Computer Physics Communica-*

tions, 35(1-3):C-19, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822882>.

Koberle:1989:NNC

- [Köb89] Roland Köberle. Neural networks as content addressable memories and learning machines. *Computer Physics Communications*, 56(1):43-50, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900519>.

Kolar:1981:PME

- [Kol81a] M. Kolár. Pseudopotential matrix elements in the Gaussian basis. *Computer Physics Communications*, 23(3):275-286, July 2, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900035>.

Kolbig:1981:PCC

- [Köl81b] K. S. Kölbig. A program for computing the conical functions of the first kind $P_{-1/2+i\tau}^m(x)$ for $m = 0$ and $m = 1$. *Computer Physics Communications*, 23(1):51-61, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901296>.

Kolar:1984:PME

- [Kol84a] M. Kolár. Pseudopotential matrix elements in the Gaussian basis. *Computer Physics Communications*, 35(1-3):C-728-C-729, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828647>.

Kolbig:1984:PCC

- [Köl84b] K. S. Kölbig. A program for computing the conical functions of the first kind $P_{-1/2+i\tau}^m(x)$ for $m = 0$ and $m = 1$. *Computer Physics Communications*, 35(1-3):C-702, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828507>.

Kolbig:1984:PCL

- [Köl84c] K. S. Kölbig. Programs for computing the logarithm of the gamma function, and the digamma function, for complex argument. *Computer Physics Communications*, 35(1-3):C-152, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824042>.

Konrad:1984:LAC

- [Kon84] A. Konrad. A linear accelerator cavity code based on the finite element method. *Computer Physics Communications*, 35(1-3):C-435-C-436, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826442>.

Kosarev:1980:AIE

- [Kos80] E. L. Kosarev. Applications of integral equations of the first kind in experiment physics. *Computer Physics Communications*, 20(1):69-75, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901101>.

Kascic:1981:VPH

- [KP81a] Michael J. Kascic and Charles J. Purcell. Vector processing for high energy physics. *Computer Physics Communications*, 22(2-3):293-295, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190062X>.

Krasinski:1981:ONC

- [KP81b] Andrzej Krasinski and Marek Perkowski. ORTOCARTAN — a new computer program for algebraic calculations. *Computer Physics Communications*, 22(2-3):269-271, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900588>.

Kuo-Petravic:1984:NEM

- [KP84] Gioietta Kuo-Petravic. Numerical evaluation of magnetic coordinates for toroidal magnetic confinement devices. *Computer Physics Communications*, 33(4):353-359, October 1984.

CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901413>.

Kruppa:1985:RBS

- [KP85] A. T. Kruppa and Z. Papp. Resonant or bound state solution of the Schrödinger equation in deformed or spherical potential. *Computer Physics Communications*, 36(1):59–78, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900189>.

Kelkar:1989:DGB

- [KP89] Kanchan M. Kelkar and Suhas V. Patankar. Development of generalized block correction procedures for the solution of discretized Navier–Stokes equations. *Computer Physics Communications*, 53(1–3):329–336, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901707>.

Katsuki:1984:CPSa

- [KPH84] S. Katsuki, P. Palting, and S. Huzinaga. A compact program of the SCF- $X\alpha$ scattered wave method. *Computer Physics Communications*, 35(1–3):C-446–C-447, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826533>.

Kuo-Petravic:1981:PGI

- [KPP81] G. Kuo-Petravic and M. Petravic. A program generator for the Incomplete Cholesky Conjugate Gradient (ICCG) method with a symmetrizing preprocessor. *Computer Physics Communications*, 22(1):33–48, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900771>.

Kuo-Petravic:1984:PGIa

- [KPP84a] G. Kuo-Petravic and M. Petravic. A program generator for the incomplete LU decomposition-conjugate gradient (IL ucg) method. *Computer Physics Communications*, 35(1–3):C-572–C-573, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827472>.

Kuo-Petravic:1984:PGIb

- [KPP84b] G. Kuo-Petravic and M. Petravic. A program generator for the incomplete Cholesky conjugate gradient (ICCG) method with a symmetrizing preprocessor. *Computer Physics Communications*, 35(1-3):C-682-C-683, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828349>.

Kress:1989:CLS

- [KPP⁺89] J. D. Kress, G. A. Parker, R. T. Pack, B. J. Archer, and W. A. Cook. Comparison of Lanczos and subspace iterations for hyperspherical reaction path calculations. *Computer Physics Communications*, 53(1-3):91-108, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901501>.

Kuo-Petravic:1984:TPT

- [KPPR84] L. G. Kuo-Petravic, M. Petravic, and K. V. Roberts. Tranal — a program for the translation of symbolic Algol I into symbolic Algol II. *Computer Physics Communications*, 35(1-3):C-356, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482576X>.

Kowalski:1989:IAP

- [KPST89] H. Kowalski, T. Poser, L. Stanco, and E. Tscheslog. Investigation of ADAMO performance in the ZEUS calorimeter reconstruction program. *Computer Physics Communications*, 57(1-3):222-224, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902166>.

Kirby:1981:CGS

- [KR81] G. H. Kirby and A. Rixon. Computer graphics and stereoscopy for three-dimensional data. *Computer Physics Communications*, 21(3):287-291, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900084>.

Kryukov:1988:PCC

- [KR88] A. P. Kryukov and A. Ya. Rodionov. Program “color” for computing the group-theoretic weight of Feynman diagrams in non-Abelian gauge theories. *Computer Physics Communications*, 48(2):327–334, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900525>

Krajci:1986:MCA

- [Kra86a] M. Krajcí. Markov chain algorithms for canonical ensemble simulation. *Computer Physics Communications*, 42(1):29–35, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902274>.

Kral:1986:ELS

- [Krá86b] J. Král. Empirical laws of software development and their implications. *Computer Physics Communications*, 41(2–3):385–391, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900779>.

Krischer:1989:CHP

- [Kri89] Werner Krischer. Commercial highly parallel signal processors on-line? *Computer Physics Communications*, 57(1–3):121–128, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902002>.

Kosachevskaya:1983:SBM

- [KRS83] L. L. Kosachevskaya, V. V. Romanovtsev, and I. E. Shparlinskiy. On the spline-based method for experimental data deconvolution. *Computer Physics Communications*, 29(3):227–230, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900024>.

Kosachevskaya:1982:NIA

- [KRSV82] L. L. Kosachevskaya, V. V. Romanovtsev, I. E. Shparlinskiy, and A. N. Vystavkin. New improved algorithm for the iterative solution of a system of linear algebraic equations. *Computer Physics Communications*, 27(1):87–89, July

1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290011X>.

Kent:1981:MPC

- [KS81] R. D. Kent and M. Schlesinger. A microcomputer program for the correlating of two ordered lists of numbers. *Computer Physics Communications*, 23(3):301–305, July 2, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900059>.

Kent:1984:GIC

- [KS84a] R. D. Kent and M. Schlesinger. Generation and inter-correlation of basis sets in implementing the unitary group approach to $U(n) \times SU(m)$. *Computer Physics Communications*, 33(4):367–372, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901437>.

Kent:1984:MPC

- [KS84b] R. D. Kent and M. Schlesinger. A microcomputer program for the correlating of two ordered lists of numbers. *Computer Physics Communications*, 35(1–3):C–731, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828660>.

Kisak:1984:FEP

- [KS84c] E. Kisak and P. Silvester. A finite-element program package for magnetotelluric modelling. *Computer Physics Communications*, 35(1–3):C–353–C–354, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825734>.

Kolbig:1984:AEL

- [KS84d] K. S. Kölbig and B. Schorr. Asymptotic expansions for the Landau density and distribution functions. *Computer Physics Communications*, 32(2):121–131, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900651>.

Kolbig:1984:PPL

- [KS84e] K. S. Kölbig and B. Schorr. A program package for the Landau distribution. *Computer Physics Communications*, 31(1):97–111, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900857>. See erratum [KS08].

Kolbig:1984:PSS

- [KS84f] K. S. Kölbig and F. Schwarz. A program for solving systems of homogeneous linear inequalities. *Computer Physics Communications*, 35(1–3):C–565, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482740X>.

Konrad:1984:FEPa

- [KS84g] A. Konrad and P. Silvester. A finite element program package for axisymmetric scalar field problems. *Computer Physics Communications*, 35(1–3):C–198–C–200, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824431>.

Konrad:1984:FEPb

- [KS84h] A. Konrad and P. Silvester. A finite element program package for axisymmetric vector field problems. *Computer Physics Communications*, 35(1–3):C–302–C–303, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482531X>.

Kossionides:1986:RFS

- [KS86a] S. Kossionides and L. D. Skouras. RWSYST — a filing system for coefficients and eigenvectors. *Computer Physics Communications*, 39(2):213–219, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901323>.

Kuchiev:1986:CPC

- [KS86b] M. Yu. Kuchiev and S. A. Sheinerman. The calculation of the photoionization cross section allowing for

the post collision interaction. *Computer Physics Communications*, 39(2):155–160, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901268>.

Kent:1987:DST

- [KS87a] R. D. Kent and M. Schlesinger. Data structure techniques for the graphical special unitary group approach to arbitrary spin representations. *Computer Physics Communications*, 43(3):413–437, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900580>.

Kunz:1987:P

- [KS87b] Paul Kunz and Terry Schalk. Preface. *Computer Physics Communications*, 45(1–3):xiii, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901342>.

Kamgnia:1989:FES

- [KS89] E. Kamgnia and A. Sameh. A fast elliptic solver for simply connected domains. *Computer Physics Communications*, 55(1):43–69, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900635>.

Kolbig:2008:EPP

- [KS08] K. S. Kölbig and B. Schorr. Erratum to: “A program package for the Landau distribution” [Comput. Phys. Commun. **31** (1984) 97–111]. *Computer Physics Communications*, 178(12):972, June 15, 2008. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465508001136>. See [KS84e].

Kleiss:1986:NMC

- [KSE86] R. Kleiss, W. J. Stirling, and S. D. Ellis. A new Monte Carlo treatment of multiparticle phase space at high energies. *Computer Physics Communications*, 40(2–3):359–373, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901190>.

Krzeczkowski:1982:SMU

- [KSG82] A. J. Krzeczowski, E. A. Smith, and T. Gethin. Seismic migration using the ICL distributed array processor. *Computer Physics Communications*, 26(3–4):447–453, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901412>.

Kolb:1986:PE

- [KSS86] Dieter Kolb, Manfred Sommer, and Manfred Stadel. Programming environments. *Computer Physics Communications*, 41(2–3):227–244, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900676>.

Kerner:1981:TMS

- [KT81] W. Kerner and H. Tasso. Tearing mode stability in 1D and 2D. *Computer Physics Communications*, 24(3–4):407–411, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901648>.

Kunz:1989:SMI

- [Kun89] Paul F. Kunz. Software management issues. *Computer Physics Communications*, 57(1–3):191–197, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902117>.

Kittel:1984:MCG

- [KVV84] W. Kittel, L. Van Hove, and W. Wojcik. A Monte Carlo generation method with importance sampling for high energy collisions of hadrons. *Computer Physics Communications*, 35(1–3):C–48–C–49, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823140>.

Kalle:1984:PRN

- [KW84a] Claus Kalle and Stephan Wansleben. Problems with the random number generator RANF implemented on the CDC Cyber 205. *Computer Physics Communications*, 33(4):343–346, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901395>.

Kerner:1984:ANI

- [KW84b] W. Kerner and H. Weitzner. Axisymmetric, non-ideal MHD states with steady flow. *Computer Physics Communications*, 31(2-3):249-267, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900493>.

Kress:1989:SSE

- [KWPP89] J. D. Kress, S. B. Woodruff, G. A. Parker, and R. T. Pack. Some strategies for enhancing the performance of the block Lanczos method. *Computer Physics Communications*, 53(1-3):109-115, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901513>.

Laaksonen:1986:CSP

- [Laa86] Aatto Laaksonen. Computer simulation package for liquids and solids with polar interactions: I. McMOLDYNH/20: Aqueous systems. *Computer Physics Communications*, 42(2):271-300, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900433>.

Labarthe:1984:GDN

- [Lab84a] J. J. Labarthe. I. Generator of determinantal non-relativistic atomic states from spectroscopic notation, computation of matrix elements. *Computer Physics Communications*, 35(1-3):C-540, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827174>.

Labarthe:1984:IGA

- [Lab84b] J. J. Labarthe. II. generator of atomic excited terms from angular considerations. *Computer Physics Communications*, 35(1-3):C-541, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827186>.

Labarthe:1984:IAA

- [Lab84c] J. J. Labarthe. III. Analytic approximations of radial orbitals for multiconfigurational Hartree–Fock computations. *Computer Physics Communications*, 35(1–3):C–542, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827198>.

Labarthe:1984:IAN

- [Lab84d] J. J. Labarthe. IV. approximation of numerical orbitals by Slater functions. *Computer Physics Communications*, 35(1–3):C–543, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827204>.

Lado:1986:DPC

- [Lad86] F. Lado. Dumbell — a program to calculate the structure and thermodynamics of a classical fluid of hard, homonuclear diatomic molecules. *Computer Physics Communications*, 39(1):133–140, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901682>.

Lannes:1980:LCQ

- [Lan80] A. Lannes. On the linear convergence of quasi-Newton methods in finite-and infinite-dimensional Hilbert spaces. *Computer Physics Communications*, 20(1):91–95, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901149>.

Landau:1982:LPK

- [Lan82] Rubin H. Landau. LPOTT — PION and KAON elastic scattering from spin 12 nuclei in momentum space. *Computer Physics Communications*, 28(2):109–151, December 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900510>.

Landau:1984:LPK

- [Lan84a] Rubin H. Landau. Lpott — pion and kaon elastic scattering from spin 1/2 nuclei in momentum space. *Computer Physics Communications*, 35(1–3):C–839–C–840, ???

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829501>.

Lang:1984:SIA

- [Lan84b] James Lang. Spectral intensity, angular distribution and polarisation of synchrotron radiation from a monoenergetic electron. *Computer Physics Communications*, 35(1-3):C-51, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823164>.

Langeveld:1987:OSP

- [Lan87] W. G. J. Langeveld. Optical storage and its possible use in high-energy physics. *Computer Physics Communications*, 45(1-3):395-402, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901809>.

Lao:1984:VMM

- [Lao84] L. L. Lao. Variational moment method for computing magnetohydrodynamic equilibria. *Computer Physics Communications*, 31(2-3):201-212, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900456>.

Liddell:1982:DSL

- [LB82a] Heather M. Liddell and G. S. J. Bowgen. The DAP subroutine library. *Computer Physics Communications*, 26(3-4):311-315, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901217>.

Loveluck:1982:CSC

- [LB82b] J. M. Loveluck and E. Balcar. Computer simulation calculations for one-dimensional magnetic systems, with some remarks on optimisation on the Cray computer. *Computer Physics Communications*, 27(4):335-350, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900960>.

Leutz:1984:CAC

- [LB84] R. K. Leutz and R. Bauer. Computation of the anisotropic cubic elastic Green's tensor function and the elastic energy coefficients of point defects in crystals. *Computer Physics Communications*, 35(1-3):C-384, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825977>.

Lowe:1988:DAS

- [LBK88] Mary Lowe, Stephan Blumenroeder, and Peter H. Kutt. A data acquisition system for spectroscopy using an IBM PC. *Computer Physics Communications*, 50(3):367-373, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901919>.

Luthe:1986:ACC

- [LBY86] J. C. Luthe, E. J. Beiting, and F. Y. Yueh. Algorithms for calculating coherent anti-stokes Raman spectra: Application to several small molecules. *Computer Physics Communications*, 42(1):73-92, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690233X>.

Lynch:1981:RMS

- [LCH⁺81] V. E. Lynch, B. A. Carreras, H. R. Hicks, J. A. Holmes, and L. Garcia. Resistive MHD studies of high β tokamak plasmas. *Computer Physics Communications*, 24(3-4):465-476, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901703>.

Lemmel:1984:NDF

- [LCS84] H. D. Lemmel, D. E. Cullen, and J. J. Schmidt. Nuclear data files for reactor calculations and other applications: experimental data — evaluated data. *Computer Physics Communications*, 33(1-3):161-171, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490119X>.

Liberman:1984:RSC

- [LCW84] D. A. Liberman, D. T. Cromer, and J. T. Waber. Relativistic self-consistent field program for atoms and ions. *Computer Physics Communications*, 35(1-3):C-70, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823358>.

LeQueau:1988:MP

- [Le 88] D. Le Queau. Maser processes. *Computer Physics Communications*, 49(1):85-95, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902172>.

LeRoy:1989:BCI

- [Le 89] Robert J. Le Roy. Bound \rightarrow continuum intensities — a computer program for calculating absorption coefficients, emission intensities or (golden rule) predissociation rates. *Computer Physics Communications*, 52(3):383-395, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901136>.

Leander:1987:SNQ

- [Lea87] G. A. Leander. Simulation of nuclear quasicontinuum gamma-ray spectra. *Computer Physics Communications*, 47(2-3):311-340, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901172>.

Lee:1982:MFV

- [Lee82] D. K. Lee. Magnetic field, vector potential and their derivatives due to currents in closed polygons of wire. *Computer Physics Communications*, 25(2):181-191, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900340>.

Lee:1984:MFV

- [Lee84] D. K. Lee. Magnetic field, vector potential and their derivatives due to currents in closed polygons of wire. *Computer*

Physics Communications, 35(1-3):C-780, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829070>.

Lee:1989:FMS

- [Lee89] M. Howard Lee. Frequency moment sum rules, recurrence relations and continued fractions in nonequilibrium statistical mechanics. *Computer Physics Communications*, 53(1-3):147-155, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901562>.

Loveless:1989:ZHC

- [LEF⁺89] R. Loveless, P. Erhard, J. Ficenc, K. Gather, G. Heath, M. Iacovacci, J. Kehres, M. Mobayyen, D. Notz, R. Orr, R. Orr, A. Sephton, R. Stroili, K. Tokushuku, W. Vogel, J. Whitmore, and L. Wiggers. ZEUS hardware control system. *Computer Physics Communications*, 57(1-3):313-315, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902348>.

Lencova:1980:NCE

- [Len80] Bohumila Lencová. Numerical computation of electron lenses by the finite element method. *Computer Physics Communications*, 20(1):127-132, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901186>.

Lessner:1989:WFP

- [Les89] Eliane S. Lessner. Weighted fit of parametric functions to distributions: The new interface of HBOOK with MINUIT. *Computer Physics Communications*, 57(1-3):385-389, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902488>.

Levine:1989:YWM

- [Lev89] Randolph H. Levine. You want me to predict the future? *Computer Physics Communications*, 57(1-3):118-120, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901999>.

Lewellen:1982:TDA

- [Lew82] Philip C. Lewellen. Two-dimensional adaptive quadrature over rectangular regions. *Computer Physics Communications*, 27(2):167–178, August 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900716>.

Lewellen:1984:TDA

- [Lew84a] Philip C. Lewellen. Two-dimensional adaptive quadrature over rectangular regions. *Computer Physics Communications*, 35(1–3):C–814, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829318>.

Lewis:1984:HI

- [Lew84b] M. N. Lewis. Hydrogenic R^k integrals. *Computer Physics Communications*, 35(1–3):C–38, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482305X>.

Lewis:1984:SPS

- [Lew84c] M. N. Lewis. Single-particle substitution sums in the second-order Z -expansion theory of atomic energies. *Computer Physics Communications*, 35(1–3):C–31, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822997>.

Lewis:1984:ZEM

- [Lew84d] M. N. Lewis. Z -expansion of matrix elements of one-electron operators for many-electron atoms. *Computer Physics Communications*, 35(1–3):C–581, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482754X>.

Levinthal:1987:EHS

- [LGG⁺87] D. Levinthal, H. Goldman, C. Georgiopoulos, J. L. DeKeyser, S. Linn, S. Youssef, and M. F. Hodous. Experimenten-

tal HEP supercomputing at F.S.U. *Computer Physics Communications*, 45(1-3):137-146, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901482>.

Linde:1988:DIM

- [LH88] Scott R. Vande Linde and William L. Hase. Dynamics of ion-molecule recombination IV. $\text{Li}^+ + (\text{CH}_3)_2\text{O}$ association. *Computer Physics Communications*, 51(1-2):17-34, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900598>.

Ljepojevic:1987:CPC

- [LHP87] N. N. Ljepojevic, R. J. Hutcheon, and J. Payne. COLRAD-A program to calculate population densities of the excited atomic levels of hydrogen-like ions in a plasma. *Computer Physics Communications*, 44(1-2):157-176, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900257>.

Lide:1984:CRI

- [Lid84a] David R. Lide, Jr. The CODATA role in international and interdisciplinary cooperation. *Computer Physics Communications*, 33(1-3):205-206, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490122X>.

Lide:1984:NSR

- [Lid84b] David R. Lide, Jr. The national standard reference data system of the united states. *Computer Physics Communications*, 33(1-3):207-210, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901231>.

Liska:1984:PSA

- [Lis84] R. Liska. Program for stability and accuracy analysis of finite difference methods. *Computer Physics Communications*, 34(1-2):175-186, November/December 1984. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901693>.

Lister:1988:BRB

- [Lis88] G. G. Lister. Book review: *Computational Techniques in Physics*: P. K. Mackeown and D. J. Newman, Adam Hilger, 1987. 217 pages. £30.00 (hardcover), £12.95 (paperback). *Computer Physics Communications*, 50(3):414, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901956>.

Lejeune:1984:CBM

- [LJ84] A. Lejeune and J. P. Jeukenne. Computation of Brody–Moshinsky brackets. *Computer Physics Communications*, 35(1-3):C-88, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823498>.

Lea:1984:DCS

- [LJLC84] Suzanne M. Lea, Vinaya Joshi, and A. B. Lopez-Cepero. Differential cross sections for electric quadrupole Coulomb excitation I. *Computer Physics Communications*, 35(1-3):C-129–C-130, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482384X>.

Long:1985:ZCM

- [LJN85] J. W. Long, J. W. Johnston, and A. A. Newton. ZEROD — a computer model for plasma-circuit coupling. *Computer Physics Communications*, 34(3):231–250, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900025>.

Lee:1988:PMT

- [LK88] Wen Ho Lee and Dochan Kwak. PIC method for a two-dimensional elastic-plastic-hydro code. *Computer Physics Communications*, 48(1):11–16, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900185>.

Lebrun:1989:HLL

- [LK89] P. Lebrun and A. Kreymer. High level language memory management on parallel architectures. *Computer Physics Communications*, 57(1-3):231-234, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990218X>.

Lubkin:1984:IQM

- [LL84] Elihu Lubkin and Thelma Lubkin. An inversion of quantum mechanics. *Computer Physics Communications*, 35(1-3):C-533, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827125>.

Lan:1989:CCC

- [LLA⁺89] Vo Ky Lan, M. Le Dourneuf, N. F. Allard, H. E. Saraph, and W. Eissner. On the comparison of close-coupling calculations using the UCL and the opacity codes. *Computer Physics Communications*, 55(3):303-310, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901288>.

Lotrian:1984:CER

- [LLC84] J. Lotrian, M. Leriche, and J. Cariou. Calculation of the energy response of a spectrometer. *Computer Physics Communications*, 35(1-3):C-401, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826119>.

Langbein:1981:IMC

- [LM81] W. Langbein and A. Mattheus. Inversion of Monte Carlo calculations and constrained minimalisation. *Computer Physics Communications*, 21(3):279-286, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900072>.

Lang:1984:PNL

- [LM84] J. Lang and R. Müller. A procedure for nonlinear least squares refinement in adverse practical conditions. *Computer*

Physics Communications, 35(1-3):C-67, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823322>.

Leeb:1985:GFC

- [LM85] H. Leeb and H. Markum. A Green's function code for Schrödinger equations with nonlocal separable kernels. *Computer Physics Communications*, 34(3):271-286, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900049>.

Leitner:1988:PSM

- [LNB⁺88] David M. Leitner, Grigory A. Natanson, R. Stephen Berry, Pablo Villarreal, and Gerardo Delgado-Barrio. Particles-on-a-sphere method for computing the rotational-vibrational spectrum of H₂O. *Computer Physics Communications*, 51(1-2):207-216, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900720>.

Long:1984:GOD

- [LNS84] J. W. Long, A. A. Newton, and M. C. Sexton. Glowcode: a one-dimensional code for the simulation of plasma afterglows. *Computer Physics Communications*, 35(1-3):C-399-C-400, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826107>.

Linkens:1984:SUD

- [LNV84] A. Linkens, J. Niezette, and J. Vanderschueren. Simulation of ultrasonic degradation of macromolecules in solution. *Computer Physics Communications*, 35(1-3):C-508, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826934>.

Laporta:1986:PCM

- [LO86] S. Laporta and R. Odorico. Programs to calculate multiple QED radiation in leptonic decays of the Z^0 and W^\pm weak bosons. *Computer Physics Communications*, 39(1):127-131, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901670>.

Lewis:1989:RRI

- [LP89] John G. Lewis and Daniel J. Pierce. Recent research in iterative methods at boeing. *Computer Physics Communications*, 53(1-3):213-221, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901616>.

Lovitch:1984:BSS

- [LR84a] L. Lovitch and S. Rosati. Bound state solution of the two-nucleon Schrödinger equation with tensor forces. *Computer Physics Communications*, 35(1-3):C-103, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823619>.

Lovitch:1984:TNE

- [LR84b] L. Lovitch and S. Rosati. The two-nucleon effective-range parameters with tensor forces. *Computer Physics Communications*, 35(1-3):C-150-C-151, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824030>.

Luke:1984:ESV

- [LS84] T. M. Luke and H. E. Saraph. Ecsimpact, a special version of program **impact** for CDC machines with ex-core memory. *Computer Physics Communications*, 35(1-3):C-596-C-597, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827666>.

Lauer:1987:RRD

- [LSW87] R. Lauer, A. J. Slaughter, and E. Wolin. A role for relational databases in high energy physics software systems. *Computer Physics Communications*, 45(1-3):373-377, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901767>.

Lima:1985:PLF

- [LT85] Isabel Gouveia Lima and Philip C. Treleaven. Programming languages for fifth generation computers. *Computer Physics Communications*, 38(2):221–231, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900888>.

Luce:1987:ACP

- [LT87] R. J. Luce and F. Tabakin. Adaptation of Coulomb plus strong interaction bound states — momentum space solutions: Automatic gridpoint method. *Computer Physics Communications*, 46(1):193–201, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900464>.

Lin:1988:GPS

- [LTK88] C. S. Lin, A. L. Thring, and J. Koga. Gridless particle simulation using the massively parallel processor. *Computer Physics Communications*, 48(1):149–154, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900331>.

Luvisetto:1983:ANL

- [LU83] M. L. Luvisetto and E. Ugolini. Abacus: a natural language for the numerical computation of mathematical formulae. *Computer Physics Communications*, 30(3):277–299, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900966>.

Luvisetto:1984:ANL

- [LU84] M. L. Luvisetto and E. Ugolini. Abacus: a natural language for the numerical computation of mathematical formulae. *Computer Physics Communications*, 35(1–3):C–917, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830167>.

Luchini:1984:TDN

- [Luc84] P. Luchini. Two-dimensional numerical integration using a square mesh. *Computer Physics Communications*, 31(4):303–

310, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900158>.

Lux:1980:VEM

- [Lux80] Iván Lux. Variance and efficiency in Monte Carlo transport calculations. *Computer Physics Communications*, 20(1):119–125, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901174>.

Linkens:1984:STS

- [LVPG84] A. Linkens, J. Vanderschueren, P. Parot, and J. Gasiot. Simulation of thermally stimulated dipolar processes in dielectrics. *Computer Physics Communications*, 35(1–3):C–443, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826508>.

Lathrop:1984:MEP

- [LW84a] B. L. Lathrop and B. R. Wienke. Maxwell: Exact photon cross-section processor for relativistic Maxwellian electrons. *Computer Physics Communications*, 32(3):309–315, June 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900936>.

Lodhi:1984:SBS

- [LW84b] M. A. K. Lodhi and B. T. Waak. Solution of bound state problems in nuclear shell models with momentum dependent potentials. *Computer Physics Communications*, 35(1–3):C–338, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825606>.

Lathrop:1985:DPE

- [LW85] B. L. Lathrop and B. R. Wienke. DEPOS: Parametric electron energy deposition module in slabs. *Computer Physics Communications*, 38(3):389–396, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901067>.

Lao:1982:VCC

- [LWHH82] L. L. Lao, R. M. Wieland, W. A. Houlberg, and S. P. Hirshman. VMOMS — a computer code for finding moment solutions to the Grad–Shafranov equation. *Computer Physics Communications*, 27(2):129–146, August 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900698>.

Lao:1984:VCC

- [LWHH84] L. L. Lao, R. M. Wieland, W. A. Houlberg, and S. P. Hirshman. VMOMS — a computer code for finding moment solutions to the Grad–Shafranov equation. *Computer Physics Communications*, 35(1–3):C–811, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482929X>.

Libermani:1984:RPO

- [LZ84] D. A. Libermani and A. Zangwill. A relativistic program for optical response in atoms using a time-dependent local density approximation. *Computer Physics Communications*, 32(1):75–82, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900092>.

Macfarlane:1989:ICC

- [Mac89a] J. J. Macfarlane. IONMIX — a code for computing the equation of state and radiative properties of LTE and non-LTE plasmas. *Computer Physics Communications*, 56(2):259–278, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900234>.

Mackenzie:1989:MLG

- [Mac89b] Paul B. Mackenzie. Machines for lattice gauge theory. *Computer Physics Communications*, 57(1–3):37–46, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901902>.

Maehlum:1988:BPE

- [Mae88] B. N. Maehlum. Beam-plasma experiments. *Computer Physics Communications*, 49(1):119–132, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902202>.

Magill:1981:RCT

- [Mag81] J. Magill. Reply to “Comments on a time-dependent ionization algorithm”. *Computer Physics Communications*, 21(3):295, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900102>. See [MF81].

Magill:1984:TTD

- [Mag84a] J. Magill. TRIP 1, a time-dependent recombination ionisation package. *Computer Physics Communications*, 35(1–3):C–526, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827071>.

Maguire:1984:VEC

- [Mag84b] William C. Maguire. Vibrational energies of CO₂. *Computer Physics Communications*, 35(1–3):C–348, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825692>.

Makhankov:1980:CES

- [Mak80] Vladimir Makhankov. Computer experiments in soliton theory. *Computer Physics Communications*, 21(1):1–49, December 1, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900740>.

Malaviya:1984:CCT

- [Mal84] V. Malaviya. Computation of charge transfer probability between protons and excited hydrogen atoms. *Computer Physics Communications*, 35(1–3):C–44, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823103>.

Mann:1983:SSF

- [Man83a] Patrick J. Mann. The search for stable finite element methods for simple relativistic systems. *Computer Physics Communications*, 30(2):127–137, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900553>.

Manoranjan:1983:SNE

- [Man83b] V. S. Manoranjan. Some numerical experiments on Higgs model. *Computer Physics Communications*, 29(1):1–5, March 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900231>.

Manickam:1986:BRB

- [Man86] J. Manickam. Book review: *Finite element methods in linear ideal magnetohydrodynamics*: Ralf Gruber and Jacques Rappaz, Springer-Verlag, Berlin, Heidelberg, New York, Tokyo, 1985. 180 pages. DM 110.00. *Computer Physics Communications*, 41(1):191–192, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900299>.

Mann:1987:FDM

- [Man87a] Patrick J. Mann. Finite difference methods for the classical particle-particle gravitational n -body problem. *Computer Physics Communications*, 47(2–3):213–228, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901081>.

Manzo:1987:MLS

- [Man87b] John Manzo. On managing large scale projects: Some simple principles for developing complex systems. *Computer Physics Communications*, 45(1–3):215–228, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901597>.

Manner:1989:PSA

- [Män89] R. Männer. A programmable systolic array correlator as a trigger processor for electron pairs in rich (ring image Cherenkov) counters. *Computer Physics Communications*, 57(1-3):516-519, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902774>

Marquez:1984:NEC

- [Mar84a] L. Marquez. Nearly exact calculation of the solution of the radial Schrödinger equation. *Computer Physics Communications*, 35(1-3):C-191, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824364>

Maruhn:1984:FFF

- [Mar84b] J. A. Maruhn. Fourgen: a Fast Fourier Transform program generator. *Computer Physics Communications*, 35(1-3):C-393, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826041>.

Marty:1985:OOP

- [Mar85] Rudolf Marty. Object oriented programming. *Computer Physics Communications*, 38(2):181-190, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900840>.

Marshall:1989:MCM

- [Mar89a] Guillermo Marshall. Monte Carlo methods for the solution of nonlinear partial differential equations. *Computer Physics Communications*, 56(1):51-61, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900520>.

Martin:1989:SVR

- [Mar89b] William R. Martin. Successful vectorization — reactor physics Monte Carlo code. *Computer Physics Communications*, 57(1-3):68-77, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901938>

Martinec:1989:PCS

- [Mar89c] Zdenek Martinec. Program to calculate the spectral harmonic expansion coefficients of the two scalar fields product. *Computer Physics Communications*, 54(1):177–182, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990043X>.

Masetti:1981:TLD

- [Mas81] Massimo Masetti. Trends in on-line data processing. *Computer Physics Communications*, 22(2-3):149–157, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900448>.

Mason:1983:CBF

- [Mas83] Janet P. Mason. Cylindrical Bessel functions for a large range of complex arguments. *Computer Physics Communications*, 30(1):1–11, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901169>.

Matsuoka:1984:FFG

- [Mat84] Osamu Matsuoka. Field and field gradient integrals based on Gaussian type orbitals. *Computer Physics Communications*, 35(1-3):C–131, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823851>.

Maturana:1987:SAM

- [Mat87] Guillermo Maturana. Static allocation in massively parallel computers. *Computer Physics Communications*, 45(1-3):319–322, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901688>.

Maysenholder:1981:TSC

- [May81] W. Maysenholder. Two subroutines for calculating lattice sums and the distortion field due to a point force in hexagonal systems. *Computer Physics Communications*, 24(1):89–95, September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901089>.

Maysenholder:1984:TSC

- [May84] W. Maysenhölder. Two subroutines for calculating lattice sums and the distortion field due to a point force in hexagonal systems. *Computer Physics Communications*, 35(1-3):C-746, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828799>.

May:1989:PPP

- [May89] Edward N. May. Portable parallel programming in a Fortran environment. *Computer Physics Communications*, 57(1-3):278-284, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902282>.

Mazza:1989:SPM

- [Maz89] C. Mazza. Software project management. *Computer Physics Communications*, 57(1-3):23-28, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901884>.

Moriarty:1983:EIM

- [MB83] K. J. M. Moriarty and J. E. Blackshaw. Efficient implementation of the Monte Carlo method for lattice gauge theory calculations on the Floating Point Systems FPS-164. *Computer Physics Communications*, 29(2):155-161, April 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390070X>.

Moriarty:1984:EIM

- [MB84] K. J. M. Moriarty and J. E. Blackshaw. Efficient implementation of the Monte Carlo method for lattice gauge theory calculations on the floating point systems FPS-164. *Computer Physics Communications*, 35(1-3):C-870-C-871, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829756>.

Mirin:1986:OOD

- [MBOK86] A. A. Mirin, R. J. Bonugli, N. J. O'Neill, and J. Killeen. ODRIC — a one-dimensional linear resistive MHD code in cylindri-

cal geometry. *Computer Physics Communications*, 41(1):85–103, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900238>.

Moncrieff:1989:DMB

- [MBW89] David Moncrieff, David J. Baker, and Stephen Wilson. Diagrammatic many-body perturbation expansion for atoms and molecules: VI: Experiments in vector processing and parallel processing for second-order energy calculations. *Computer Physics Communications*, 55(1):31–42, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900623>.

Morand:1981:CPN

- [MC81] C. Morand and Tsan Ung Chan. A computer program for nuclear lifetimes measurements by DSAM using a self-supporting target. *Computer Physics Communications*, 23(4):393–410, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901806>.

McMullin:1984:FSA

- [MC84a] J. N. McMullin and C. E. Capjack. Four-stage approximation in time-dependent ionization processes. *Computer Physics Communications*, 32(1):11–19, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900031>.

Morand:1984:CPN

- [MC84b] C. Morand and Tsan Ung Chan. A computer program for nuclear lifetimes measurements by dsam using a self-supporting target. *Computer Physics Communications*, 35(1–3):C–738, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828726>.

Marchand:1985:PFC

- [MC85] R. Marchand and C. E. Capjack. Polynomial fit to the Coulomb logarithm for inverse Bremsstrahlung. *Computer*

Physics Communications, 38(3):357–358, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901031>.

McMullin:1987:MAR

- [MCA87] J. N. McMullin, C. E. Capjack, and S. Au. Multiparabolic approximation for ray tracing in linear plasma columns. *Computer Physics Communications*, 47(2–3):187–193, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901056>.

McCubbin:1987:VCH

- [McC87] N. A. McCubbin. VM/CMS in the HEP community (HEPVM). *Computer Physics Communications*, 45(1–3):61–66, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901408>.

McColl:1989:PAA

- [McC89] W. F. McColl. Parallel algorithms and architectures. *Computer Physics Communications*, 57(1–3):84–94, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901951>.

McInnis:1984:SES

- [McI84] B. C. McInnis. Socio-economic simulation models (SESM) and data bases of technology/resources. *Computer Physics Communications*, 33(1–3):257–265, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901310>.

McMullin:1981:HLP

- [MCJ81] J. N. McMullin, C. E. Capjack, and C. R. James. Heater: a 2D laser propagation subroutine for underdense plasmas. *Computer Physics Communications*, 23(1):31–42, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901272>.

McMullin:1984:HLP

- [MCJ84] J. N. McMullin, C. E. Capjack, and C. R. James. Hfater: a 2D laser propagation subroutine for underdense plasmas. *Computer Physics Communications*, 35(1–3):C–700, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828489>.

McNeilly:1981:SNS

- [McN81] Gregory S. McNeilly. SATDSK: a numerical simulation of the magnetic field due to saturated iron in cyclotron poletips. *Computer Physics Communications*, 23(2):199–207, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900333>.

McNeilly:1984:SNS

- [McN84] Gregory S. McNeilly. SATDSK: a numerical simulation of the magnetic field due to saturated iron in cyclotron poletips. *Computer Physics Communications*, 35(1–3):C–720, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482860X>.

Manner:1981:HPF

- [MD81] R. Männer and B. Deluigi. The Heidelberg POLYP — a flexible and fault-tolerant poly-processor. *Computer Physics Communications*, 22(2–3):279–284, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900606>.

Martin:1982:PAI

- [MD82] B. R. Martin and E. Dunford. Processing astronomical images from space. *Computer Physics Communications*, 26(3–4):441–446, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901400>.

Mehta:1988:LFI

- [MD88] Manish A. Mehta and N. De Leon. LUCY: a FORTRAN implementation of semiclassical spectral quantization. *Computer Physics Communications*, 51(1–2):115–134, September/

October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900665>.

Moller:1988:TBC

- [MEB88] W. Möller, W. Eckstein, and J. P. Biersack. Tridyn-
binary collision simulation of atomic collisions and dy-
namic composition changes in solids. *Computer Physics
Communications*, 51(3):355–368, November 1988. CO-
DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-
tronic). URL [http://www.sciencedirect.com/science/
article/pii/0010465588901488](http://www.sciencedirect.com/science/article/pii/0010465588901488).

Meersman:1984:DBM

- [Mee84] R. Meersman. Data bases and mainframes. *Computer
Physics Communications*, 33(1-3):23–29, August/September
1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944
(electronic). URL [http://www.sciencedirect.com/science/
article/pii/0010465584901036](http://www.sciencedirect.com/science/article/pii/0010465584901036).

Metcalf:1985:FF

- [Met85] Michael Metcalf. Has Fortran a future? *Computer
Physics Communications*, 38(2):199–210, October/November
1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944
(electronic). URL [http://www.sciencedirect.com/science/
article/pii/0010465585900864](http://www.sciencedirect.com/science/article/pii/0010465585900864).

Metcalf:1987:FES

- [Met87] M. Metcalf. Fortran 8x — the emerging standard. *Com-
puter Physics Communications*, 45(1-3):259–268, August 1,
1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944
(electronic). URL [http://www.sciencedirect.com/science/
article/pii/0010465587901627](http://www.sciencedirect.com/science/article/pii/0010465587901627).

Metcalf:1989:RPF

- [Met89] Michael Metcalf. Recent progress in Fortran standardization.
Computer Physics Communications, 57(1-3):78–83, December
2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944
(electronic). URL [http://www.sciencedirect.com/science/
article/pii/001046558990194X](http://www.sciencedirect.com/science/article/pii/001046558990194X).

Meurant:1989:PUC

- [Meu89] Gérard Meurant. Practical use of the conjugate gradient method on parallel supercomputers. *Computer Physics Communications*, 53(1–3):467–477, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901793>

Mancini:1981:CTD

- [MF81] Roberto C. Mancini and Constantino Ferro Fontán. Comments on a time-dependent ionization algorithm. *Computer Physics Communications*, 21(3):293–294, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900096>. See reply [Mag81].

Manley:1984:DPC

- [MG84] J. C. Manley and J. Gerratt. Director: a program for calculating representation matrices of the symmetric group in the Yamanouchi Kotani basis or in a direct product basis. *Computer Physics Communications*, 31(1):75–88, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900833>.

Manickam:1981:LSA

- [MGD81] J. Manickam, R. C. Grimm, and R. L. Dewar. The linear stability analysis of MHD models in axisymmetric toroidal geometry. *Computer Physics Communications*, 24(3–4):355–361, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901582>.

Meyer:1986:FPC

- [MGK86] R. L. Meyer, G. Giruzzi, and V. Krivenski. Fokker–Planck code for the quasi-linear absorption of electron cyclotron waves in a tokamak plasma. *Computer Physics Communications*, 40(1):153–157, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901578>

Moatti:1987:PMC

- [MGM87] A. Moatti, J. Goldberg, and G. Memmi. Parallel Monte Carlo calculations with many microcomputers. *Computer*

Physics Communications, 45(1-3):355-359, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901731>.

Martorana:1984:XPS

- [MGMZ84] Antonio Martorana, Rosalba Gerbasi, Antonio Marigo, and Roberto Zannetti. XFIT: a package for simulating and fitting X-ray powder diffraction patterns. *Computer Physics Communications*, 34(1-2):145-151, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901668>.

McKenzie:1980:PCT

- [MGN80] B. J. McKenzie, I. P. Grant, and P. H. Norrington. A program to calculate transverse Breit and QED corrections to energy levels in a multiconfiguration Dirac-Fock environment. *Computer Physics Communications*, 21(2):233-246, December 2, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900429>.

McKenzie:1984:PCT

- [MGN84] B. J. McKenzie, I. P. Grant, and P. H. Norrington. A program to calculate transverse Breit and QED corrections to energy levels in a multiconfiguration Dirac-Fock environment. *Computer Physics Communications*, 35(1-3):C-663-C-664, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828209>.

Munck:1984:CSM

- [MGTD84] E. Münck, J. L. Grove, T. A. Tumolillo, and P. G. Debrunner. Computer simulations of Mössbauer spectra for an effective spin $s = 1$ Hamiltonian. *Computer Physics Communications*, 35(1-3):C-177, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824248>.

Moriarty:1984:EIL

- [MHP84] K. J. M. Moriarty, M. Haraguchi, and C. Pangali. Efficient implementation of the SU(3) lattice gauge theory algorithm on the Fujitsu VP200 vector processor. *Computer Physics Communications*, 34(1-2):1-7, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490153X>.

Michels:1987:SPP

- [Mic87] J. P. J. Michels. A study of polymer properties using numerical simulations. *Computer Physics Communications*, 44(3):289-295, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900841>.

Mika:1980:SEE

- [Mik80] Janusz Mika. Systems of evolution equations and the singular perturbation method. *Computer Physics Communications*, 20(1):43-47, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901058>.

Miketinac:1984:CES

- [Mik84] M. J. Miketinac. Calculation of the equilibrium structure and oscillations of polytropic stars pervaded by toroidal magnetic fields. *Computer Physics Communications*, 35(1-3):C-256, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824923>.

Mikulecky:1986:KBS

- [Mik86] Peter Mikulecký. On knowledge-based software tools. *Computer Physics Communications*, 41(2-3):397-401, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900792>.

Mircheva:1984:SNC

- [Mir84] D. Mircheva. On the search for nuclear characteristics in the evaluated nuclear structure data file (ENSDF) in the informative mode on the ES computer. *Computer*

Physics Communications, 33(1–3):157–160, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901188>.

Miura:1987:EVM

- [Miu87] Kenichi Miura. EGS4V: Vectorization of the Monte Carlo cascade shower simulation code EGS4. *Computer Physics Communications*, 45(1–3):127–136, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901470>.

McCoy:1986:TDS

- [MKH86] M. G. McCoy, G. D. Kerbel, and R. W. Harvey. Three-dimensional simulations of electron cyclotron heating. *Computer Physics Communications*, 40(1):115–121, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901530>.

Moscinski:1989:VAE

- [MKRJ89] J. Mościński, J. Kitowski, Z. A. Rycerz, and P. W. M. Jacobs. A vectorized algorithm on the ETA 10-P for molecular dynamics simulation of large number of particles confined in a long cylinder. *Computer Physics Communications*, 54(1):47–54, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558900313>.

Mlodzki:1983:PPC

- [MKS83] J. Mlodzki, J. Kuskowski, and M. Suffczynski. A Pascal program for calculating the reduced Coulomb Green's functions and their partial waves. *Computer Physics Communications*, 29(4):341–350, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900139>.

Mlodzki:1984:PPC

- [MKS84] J. Mlodzki, J. Kuskowski, and M. Suffczynski. A Pascal program for calculating the reduced Coulomb Green's functions and their partial waves. *Computer Physics Communications*, 35(1–3):C–886, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829896>■

Moon:1981:NAM

- [ML81] Wooil Moon and Patrick Lui. A new approach to magnetic and gravitational potential field computation. *Computer Physics Communications*, 24(2):107–112, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900849>.

Malegat:1986:ETC

- [MLL86] L. Malegat, M. Le Dourneuf, and Vo Ky Lan. Errors in the three CPC versions of the program to calculate the single centre expansion of the electron-diatomic-molecule static potential. *Computer Physics Communications*, 41(1):179–189, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900287>.

MLodzki:1984:IIPb

- [MLo84] J. MLodzki. Integrals involved in the perturbation theory of a hydrogen-like system. II. *Computer Physics Communications*, 34(1–2):211–217, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901723>.

Makhankov:1981:NIK

- [MLS81] V. G. Makhankov, E. I. Litvinenko, and A. B. Shvachka. Numerical investigation of the Kadomtsev–Petviashvili soliton stability. *Computer Physics Communications*, 23(3):223–232, July 2, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900011>.

MLodzki:1984:IIPa

- [MLS84] J. MLodzki, A. Lusakowski, and M. Suffczyński. Integrals involved in the perturbation theory of a hydrogen-like system. I. *Computer Physics Communications*, 34(1–2):199–209, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901711>■

Miketinac:1982:SPP

- [MM82] M. J. Miketinac and J. Miketinac. Shape of a polytropic primary. *Computer Physics Communications*, 27(3):285–297, September 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290176X>.

Manning:1984:DDE

- [MM84a] Irwin Manning and G. P. Mueller. Depth distribution of energy deposition by ion bombardment. *Computer Physics Communications*, 35(1–3):C–228, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824674>.

Miketinac:1984:SPP

- [MM84b] M. J. Miketinac and J. Miketinac. Shape of a polytropic primary. *Computer Physics Communications*, 35(1–3):C–821–C–822, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829379>.

Meyer:1988:UTO

- [MM88a] Veronika Meyer and Walter Meyer. The UNIX timesharing operating system. *Computer Physics Communications*, 50(1–2):51–57, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901154>.

Mirin:1988:SRC

- [MM88b] A. A. Mirin and M. G. McCoy. SIGV5D: a routine to compute the reaction rates of interacting distribution functions. *Computer Physics Communications*, 51(3):369–372, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890149X>.

Mackenzie:1988:CAN

- [MMBW88] L. M. Mackenzie, A. M. Macleod, D. J. Berry, and R. R. Whitehead. Concurrent algorithms for nuclear shell model calculations. *Computer Physics Communications*, 48(2):229–240, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900434>.

Mattar:1981:TCB

- [MMF81] F. P. Mattar, G. Moretti, and R. E. Franceour. Transient counter-beam propagation in a nonlinear Fabry–Perot cavity. *Computer Physics Communications*, 23(1):1–17, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901247>.

McCoy:1981:FTD

- [MMK81] M. G. McCoy, A. A. Mirin, and J. Killeen. FPPAC: a two-dimensional multispecies nonlinear Fokker–Planck package. *Computer Physics Communications*, 24(1):37–61, September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901053>.

McCoy:1984:FTD

- [MMK84] M. G. McCoy, A. A. Mirin, and J. Killeen. FPPAC: a two-dimensional multispecies nonlinear Fokker–Planck package. *Computer Physics Communications*, 35(1–3):C–742–C–743, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828763>.

McDowell:1984:EIE

- [MMM84] M. R. C. McDowell, L. Morgan, and V. P. Myerscough. Electron impact excitation cross sections. *Computer Physics Communications*, 35(1–3):C–225, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824649>.

Matsuura:1985:SPT

- [MMM85] Toshihiko Matsuura, Kenichi Miura, and Mitsuhiro Makino. Supervector performance without toil: FORTRAN implemented vector algorithms on the VP-100/200. *Computer Physics Communications*, 37(1–3):101–107, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901419>.

Mirin:1989:TCW

- [MMO89] A. A. Mirin, D. R. Martin, and N. J. O'Neill. TUBE88 — a code which computes magnetic field lines. *Computer Physics Communications*, 54(1):183–198, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900441>.

Moriarty:1989:VCN

- [MMR89] K. J. M. Moriarty, Eric Myers, and Claudio Rebbi. A vector code for the numerical simulation of cosmic strings and flux vortices in superconductors on the ETA-10. *Computer Physics Communications*, 54(2–3):273–294, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990091X>.

Martin:1986:CTL

- [MMS86] Olivier Martin, K. J. M. Moriarty, and Stuart Samuel. Computer techniques for lattice gauge theories. *Computer Physics Communications*, 40(2–3):173–179, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901062>.

Marcu:1987:FAO

- [MMS87] Mihail Marcu, Jürgen Müller, and Franz-Karl Schmatzer. Fast algorithm for one-dimensional quantum Monte Carlo simulations. *Computer Physics Communications*, 44(1–2):63–71, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900178>.

Mirin:1988:FTD

- [MMTK88] A. A. Mirin, M. G. McCoy, G. P. Tomaschke, and J. Killeen. FPPAC88: a two-dimensional multispecies nonlinear Fokker–Planck package. *Computer Physics Communications*, 51(3):373–380, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901506>■

Mattar:1980:ASR

- [MN80] F. P. Mattar and M. C. Newstein. Adaptive stretching and rezoning as effective computational techniques for two-level paraxial Maxwell–Bloch simulation. *Computer Physics Communications*, 20(1):139–163, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901204>.

Mattar:1984:CPD

- [MN84a] F. P. Mattar and M. C. Newstein. Comments on P. D. Drummond’s central partial difference propagation algorithms. *Computer Physics Communications*, 32(2):225–227, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900742>.

Merkel:1984:HQA

- [MN84b] P. Merkel and J. Nührenberg. HASE — a quasi-analytical 2D MHD equilibrium code. *Computer Physics Communications*, 31(2–3):115–122, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900389>.

Mignerou:1988:NIM

- [MN88] R. Mignerou and K. S. S. Narayanan. Numerical inversion of Mellin moments and Laplace transforms. *Computer Physics Communications*, 49(3):457–463, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900069>.

Meyer:1984:FPS

- [MNJL84] J. Meyer, R. S. Nahabetian, J. Joseph, and J. Lafoucriere. SU3 fractional parentage in the $1p$ -shell. *Computer Physics Communications*, 35(1–3):C-107, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823656>.

Mignerou:1989:NIM

- [MNR89] R. Mignerou, K. S. S. Narayanan, and H. Rasmussen. Numerical inversion of moments. *Computer Physics Communications*,

54(2-3):239-244, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900866>

Mohamed:1980:MRA

- [Moh80] Julie Mohamed. The method of Raptis and Allison with automatic error control. *Computer Physics Communications*, 20(2):309-320, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900090>

Mohamed:1984:MRA

- [Moh84] Julie Mohamed. The method of Raptis and Allison with automatic error control. *Computer Physics Communications*, 35(1-3):C-638, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482799X>

Mohanakrishnan:1989:UAN

- [Moh89] P. Mohanakrishnan. Use of albedo for neutron reflector regions in reactor core 3-D simulations. *Computer Physics Communications*, 55(3):311-323, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990129X>

Montgomery:1987:SUH

- [Mon87] H. E. Montgomery. Status of (US) high energy physics networking. *Computer Physics Communications*, 45(1-3):77-82, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901421>

Monaghan:1988:IS

- [Mon88] J. J. Monaghan. An introduction to SPH. *Computer Physics Communications*, 48(1):89-96, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900264>

Moon:1980:AFO

- [Moo80] Woil Moon. Algorithm for the first order hydrostatic ellipticity of a planet. *Computer Physics Communications*, 19

(1):63–67, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900673>

Moon:1981:S

[Moo81a] Wooil Moon. *J*-square. *Computer Physics Communications*, 22(1):97–101, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900825>

Moon:1981:AFC

[Moo81b] Wooil Moon. Airy function with complex arguments. *Computer Physics Communications*, 22(4):411–417, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901387>.

Moon:1983:SWE

[Moo83] Wooil Moon. Solution of the whole earth geodynamic equation in a slightly elliptical coordinate system. *Computer Physics Communications*, 28(3):219–227, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900401>.

Moon:1984:S

[Moo84a] Wooil Moon. *J*-square. *Computer Physics Communications*, 35(1–3):C–688, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828398>

Moon:1984:AFC

[Moo84b] Wooil Moon. Airy function with complex arguments. *Computer Physics Communications*, 35(1–3):C–692, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828428>.

Moon:1984:AFO

[Moo84c] Wooil Moon. Algorithm for the first order hydrostatic ellipticity of a planet. *Computer Physics Communications*, 35(1–3):C–609, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827769>.

Moon:1984:IMD

- [Moo84d] Wooil Moon. An interpolation method for data sets with jump discontinuities. *Computer Physics Communications*, 35(1-3):C-539, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827162>.

Moon:1984:NEG

- [Moo84e] Wooil Moon. Numerical evaluation of geomagnetic dynamo integrals (elsasser and adams-gaunt integrals). *Computer Physics Communications*, 35(1-3):C-538, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827150>.

Moore:1984:NVP

- [Moo84f] C. Fred Moore. A new version of a printer-plotter routine. *Computer Physics Communications*, 35(1-3):C-114, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823711>.

Moore:1984:PPR

- [Moo84g] C. Fred Moore. Printer-plotter routine. *Computer Physics Communications*, 35(1-3):C-65, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823309>.

Moore:1984:ASE

- [Moo84h] D. L. Moores. Amplitudes for scattering of electrons by hydrogenic and alkali-like atomic systems. *Computer Physics Communications*, 35(1-3):C-104, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823620>.

Morrison:1980:APC

- [Mor80] Michael A. Morrison. ALAM, a program for the calculation and expansion of molecular charge densities. *Computer Physics Communications*, 21(1):63-77, December 1,

1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900764>.

Moraal:1984:PEB

- [Mor84a] H. Moraal. A program for the extraction of bulk viscosities from sound absorption data. *Computer Physics Communications*, 35(1-3):C-115, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823735>.

Morgan:1984:EES

- [Mor84b] K. Morgan. An expansion equation of state subroutine. *Computer Physics Communications*, 35(1-3):C-167, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824182>.

Morgan:1984:GMP

- [Mor84c] Lesley A. Morgan. A generalized R -matrix propagation program for solving coupled second-order differential equations. *Computer Physics Communications*, 31(4):419-422, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900250>.

Morrison:1984:APC

- [Mor84d] Michael A. Morrison. ALAM, a program for the calculation and expansion of molecular charge densities. *Computer Physics Communications*, 35(1-3):C-650, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828106>.

Morrow:1984:MCI

- [Mor84e] Richard A. Morrow. Monte Carlo integration program for the n -particle relativistic phase space integral in invariant variables. *Computer Physics Communications*, 35(1-3):C-441-C-442, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826491>.

Mount:1987:DSH

- [Mou87] Richard P. Mount. Database systems for HEP experiments. *Computer Physics Communications*, 45(1–3):299–310, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901664>.

Mount:1989:OET

- [Mou89] R. P. Mount. Overview of the essential tools. *Computer Physics Communications*, 57(1–3):140–147, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902038>.

Marsh:1981:RSB

- [MP81a] F. Marsh and D. E. Potter. Recurrence solution of a block tridiagonal matrix equation with Neumann, Dirichlet, mixed or periodic boundary conditions. *Computer Physics Communications*, 24(2):185–190, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900928>.

Merdes:1981:FPP

- [MP81b] Daniel W. Merdes and Josef Pliva. A flexible program for performing analytic differentiation and substitutions on a system of equations. *Computer Physics Communications*, 24(2):113–125, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900850>.

Modi:1982:SJM

- [MP82] J. J. Modi and D. Parkinson. Study of Jacobi methods for eigenvalues and singular value decomposition on DAP. *Computer Physics Communications*, 26(3–4):317–320, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901229>.

Marsh:1984:RSB

- [MP84a] F. Marsh and D. E. Potter. Recurrence solution of a block tridiagonal matrix equation with Neumann, Dirichlet, mixed or periodic boundary conditions. *Computer*

Physics Communications, 35(1-3):C-758, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482888X>.

Merdes:1984:FPP

- [MP84b] Daniel W. Merdes and Josef Pliva. A flexible program for performing analytic differentiation and substitutions on a system of equations. *Computer Physics Communications*, 35(1-3):C-749-C-750, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828817>.

Mueller:1989:CCD

- [MP89] K. Mueller and P. Pfeifer. Codebase: a commercially developed code management system and code transfer facility. *Computer Physics Communications*, 57(1-3):239-243, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558902208>.

Monticello:1986:RCR

- [MPIM86] D. A. Monticello, W. Park, R. Izzo, and K. McGuire. A review of calculations of the resistive internal $m = 1$ mode in tokamaks. *Computer Physics Communications*, 43(1):57-67, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900536>.

McCarville:1983:FCC

- [MPM83] Thomas J. McCarville, Robert R. Peterson, and Gregory A. Moses. Fire — a code for computing the response of an inertial confinement fusion cavity gas to a target explosion. *Computer Physics Communications*, 28(4):367-403, February 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900346>.

McCarville:1984:FCC

- [MPM84] Thomas J. McCarville, Robert R. Peterson, and Gregory A. Moses. Fire — a code for computing the response on an inertial confinement fusion cavity gas to a target explosion. *Computer Physics Communications*, 35(1-3):C-858-C-859, 1984.

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829677>.

Moses:1985:MFM

- [MPM85] Gregory A. Moses, Robert R. Peterson, and Thomas J. McCarville. MF-FIRE — a multifrequency radiative transfer hydrodynamics code. *Computer Physics Communications*, 36(3):249–293, May 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900554>.

Miraglia:1980:CME

- [MPR80] J. E. Miraglia, R. D. Piacentini, and R. D. Rivarola. Computational methods for eikonal differential cross sections. *Computer Physics Communications*, 19(3):299–303, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900843>.

Menasce:1981:PIG

- [MPS81] D. Menasce, F. Palombo, and S. Sala. PRAVDA: An interactive graphic system to scan and rescue events. *Computer Physics Communications*, 22(2–3):317–323, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900679>.

McKay:1984:EEL

- [MPS84] W. McKay, J. Patera, and R. T. Sharp. Eigenstates and eigenvalues of labelling operators for $O(3)$ bases of $U(3)$ representations. *Computer Physics Communications*, 35(1–3):C–322, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825461>.

Malmstrom:1980:PCR

- [MR80] G. Malmström and J. Rundgren. A program for calculation of the reflection and transmission of electrons through a surface potential barrier. *Computer Physics Communications*, 19(2):263–270, April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900533>.

Malmstrom:1984:PCR

- [MR84a] G. Malmström and J. Rundgren. A program for calculation of the reflection and transmission of electrons through a surface potential barrier. *Computer Physics Communications*, 35(1-3):C-620, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827848>.

Moussa:1984:AIC

- [MR84b] A. H. Moussa and H. M. A. Radi. Atomic integral containing three odd powers of interelectronic separation coordinates. *Computer Physics Communications*, 35(1-3):C-211, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824534>.

Moriarty:1986:QFT

- [MR86] K. J. M. Moriarty and C. Rebbi. Quantum field theory and supercomputers. *Computer Physics Communications*, 40(2-3):181-188, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901074>.

Moriarty:1987:LSQ

- [MR87] K. J. M. Moriarty and C. Rebbi. Large-scale quantum field theory calculations on supercomputers. *Computer Physics Communications*, 47(1):75-82, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900671>.

Marchand:1985:TIT

- [MRC85] R. Marchand, R. Rankin, and C. E. Capjack. Transient ionization time scales for low atomic number elements. *Computer Physics Communications*, 38(3):359-363, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901043>.

Macias:1984:PCG

- [MRCL84] E. S. Macias, W. D. Ruhter, D. C. Camp, and R. G. Lanier. A program for calculating gamma-gamma directional correlation coefficients and mixing ratios. *Computer Physics Communications*, 35(1-3):C-363-C-364, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825813>.

Morales:1989:ETT

- [MRT89] Juan J. Morales, Luis F. Rull, and Søren Toxvaerd. Efficiency test of the traditional MD and the link-cell methods. *Computer Physics Communications*, 56(2):129-134, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558900131>.

Manning:1984:APD

- [MRW84] Irwin Manning, Mervine Rosen, and J. E. Westmoreland. Adaptation of a program for depth distribution of energy deposition by ion bombardment: Calculation of ion lateral ranges. *Computer Physics Communications*, 35(1-3):C-408, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482617X>.

McGreevy:1984:PCE

- [MS84] E. McGreevy and A. L. Stewart. A program for calculating elastic scattering phase shifts for an electron colliding with a one-electron target using perturbation theory. *Computer Physics Communications*, 35(1-3):C-454, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826570>.

Maca:1985:CGF

- [MS85] František Máca and Matthias Scheffler. Calculation of the Green's function for a crystal surface or interface. *Computer Physics Communications*, 38(3):403-413, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901080>.

Maca:1987:NVP

- [MS87a] Frantisek Máca and Matthias Scheffler. A new version of the program for the calculation of the Green's function for a crystal surface or interface. *Computer Physics Communications*, 47(2-3):349-350, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901196>.

Menasce:1987:MDE

- [MS87b] D. Menasce and S. Sala. The Mida database of the E687 μ strip vertex detector. *Computer Physics Communications*, 45(1-3):385-389, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901780>.

Maca:1988:SGF

- [MS88] Frantisek Máca and Matthias Scheffler. Surface Green's function for a ruffled crystal surface. *Computer Physics Communications*, 51(3):381-390, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901518>.

Mankofsky:1988:DDP

- [MSC⁺88] A. Mankofsky, J. L. Seftor, C. L. Chang, K. Ko, A. A. Mondelli, A. T. Drobot, J. Moura, W. Aimonetti, S. T. Brandon, D. E. Nielsen, Jr., and K. M. Dyer. Domain decomposition and particle pushing for multiprocessing computers. *Computer Physics Communications*, 48(1):155-165, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900343>.

Meyer:1989:CRS

- [MSFR89] J. Meyer, W.-D. Sepp, B. Fricke, and A. Rosén. Computation of relativistic symmetry orbitals for finite double point groups. *Computer Physics Communications*, 54(1):55-73, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900325>.

Mattar:1981:FFH

- [MT81] F. P. Mattar and J. Teichmann. Fluid formulation of high intensity laser beam propagation using Lagrangian coordinates. *Computer Physics Communications*, 22(1):1–11, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900758>.

Moriarty:1984:PCO

- [MT84a] K. J. M. Moriarty and J. H. Tabor. A program for calculating the observables for single-particle-inclusive production reactions. *Computer Physics Communications*, 35(1–3):C–403, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826132>.

Moriarty:1984:PAC

- [MT84b] K. J. M. Moriarty and H. N. Thompson. Program adaptation: To calculate inclusive backward proton cross sections. *Computer Physics Communications*, 35(1–3):C–587, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827599>.

Moriarty:1986:MTC

- [MT86] K. J. M. Moriarty and M. Teper. Measuring topological charge in Monte Carlo simulation of $SU(N)$ lattice gauge theories. *Computer Physics Communications*, 42(1):1–9, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902237>.

Matsuura:1982:VPE

- [MTN⁺82] T. Matsuura, Y. Tanaka, K. Naraoka, T. Takizuka, T. Tsunematsu, S. Tokuda, M. Azumi, G. Kurita, and T. Takeda. Vector processing efficiency of plasma MHD codes by use of the FACOM 230-75 APU. *Computer Physics Communications*, 26(3–4):377–387, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901321> ■

Mueller:1984:REF

- [Mue84] G. P. Mueller. Rapid evaluation of four-body cluster contributions. *Computer Physics Communications*, 35(1–3):C–85, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823474>.

Muller:1987:CPS

- [Mül87] Ewald Müller. Computational problems in supernova simulations. *Computer Physics Communications*, 44(3):271–277, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900828>.

Murtagh:1988:HTB

- [Mur88] F. D. Murtagh. Hierarchical trees in N -body simulations: Relations with cluster analysis methods. *Computer Physics Communications*, 52(1):15–18, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890166X>.

Masovic:1981:BSC

- [MV81] D. R. Masović and F. Vukajlović. Band structure calculations of cubic semiconductors on the basis of Löwdin's perturbation technique. *Computer Physics Communications*, 24(2):181–184, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900916>.

Masovic:1983:BSC

- [MV83] D. R. Mašović and F. R. Vukajlović. Band structure calculations of cubic metals, elementary semiconductors and semiconductor compounds with spin-orbit interaction. *Computer Physics Communications*, 30(2):207–217, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900632>.

Masovic:1984:BSCa

- [MV84a] D. R. Masović and F. Vukajlović. Band structure calculations of cubic semiconductors on the basis of Löwdin's perturbation technique. *Computer Physics Communications*, 35(1–3):

C-757, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828878>.

Masovic:1984:BSCb

- [MV84b] D. R. Masović and F. R. Vukajlović. Band structure calculations of cubic metals, elementary semiconductors and semiconductor compounds with spin-orbit interaction. *Computer Physics Communications*, 35(1-3):C-911, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830106>.

Maino:1987:NPD

- [MV87] G. Maino and A. Ventura. NUCPAR — a parity-dependent NBCS formalism at finite nuclear temperature. *Computer Physics Communications*, 43(2):303-312, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902141>.

Meyer-Vernet:1988:CPW

- [MV88] N. Meyer-Vernet. Cometary plasma wave observations. *Computer Physics Communications*, 49(1):9-15, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902135>.

Maino:1983:NNB

- [MVV83] G. Maino, M. Vaccari, and A. Ventura. NUDENS: a Nilsson-Bardeen-Cooper-Schrieffer code at finite nuclear temperature. *Computer Physics Communications*, 29(4):375-390, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900164>.

Maino:1984:NNB

- [MVV84] G. Maino, M. Vaccari, and A. Ventura. NUDENS: a Nilsson-Bardeen-Cooper-Schrieffer code at finite nuclear temperature. *Computer Physics Communications*, 35(1-3):C-889, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829926>.

Marsr:1984:FPC

- [MW84a] F. N. Marsr and I. R. Williams. I. A Fortran program for calculating degenerate Raman bands of symmetric tops with an adaptation for infrared bands. *Computer Physics Communications*, 35(1-3):C-96, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823553>.

Masri:1984:IFP

- [MW84b] F. N. Masri and I. R. Williams. II. A Fortran program for calculating degenerate Raman bands of spherical tops with an adaptation for infrared bands. *Computer Physics Communications*, 35(1-3):C-97, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823565>.

Masri:1984:IPC

- [MW84c] F. N. Masri and I. R. Williams. II. Program for calculating triply degenerate Raman bands of spherical tops with an adaptation for infrared bands. *Computer Physics Communications*, 35(1-3):C-68, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823334>.

Myers:1988:ICG

- [Mye88] David R. Myers. Interactive computer graphics and PHIGS. *Computer Physics Communications*, 50(1-2):143-157, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901221>.

Myers:1989:HGS

- [Mye89] D. R. Myers. HEP graphics: Standards and portability versus performance and cost. *Computer Physics Communications*, 57(1-3):176-182, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902087>.

Martorana:1982:PPC

- [MZM⁺82] Antonino Martorana, Roberto Zannetti, Antonio Marigo, David Ajò, and Viscardo Malta. PROVA, a program for the calculation of X-ray powder spectra (ordered and disordered structures). *Computer Physics Communications*, 27(1):49–55, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900066>.

Martorana:1984:PPC

- [MZM⁺84] Antonino Martorana, Roberto Zannetti, Antonio Marigo, David Ajò, and Viscardo Malta. Prova, a program for the calculation of X-ray powder spectra (ordered and disordered structures). *Computer Physics Communications*, 35(1–3):C–804–C–805, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829240>.

Mustafa:1989:STN

- [MZZ89] Mustafa M. Mustafa, Mark W. Zahran, and Elbadry S. Zahran. Solution of the two-nucleons Schrödinger equation with nonlocal tensor potential in the $^3S_1 - ^3D_1$ state. *Computer Physics Communications*, 55(1):109–116, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900696>.

Neufeld:1984:PAC

- [NA84] P. D. Neufeld and R. A. Aziz. Program acqn to calculate transport collision integrals adapted to run on IBM computers. *Computer Physics Communications*, 35(1–3):C–140, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823942>.

Nadrchal:1980:P

- [Nad80] J. Nadrchal. Preface. *Computer Physics Communications*, 20(1):ix, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090096X>

Nadrchal:1986:BRB

- [Nad86a] J. Nadrchal. Book review: *Effective Fortran 77*: M. Metcalf, Clarendon Press, Oxford, 1985, xii + 231 p., £9.95. *Computer Physics Communications*, 42(1):149–150, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902390>.

Nadrchal:1986:SEC

- [Nad86b] J. Nadrchal. Software engineering and computational physics. *Computer Physics Communications*, 41(2–3):197–203, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900640>.

Nagl:1985:IPS

- [Nag85] M. Nagl. An incremental programming support environment. *Computer Physics Communications*, 38(2):245–276, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900906>.

Nagel:1989:HIS

- [Nag89] D. Nagel. The human interface in scientific computing. *Computer Physics Communications*, 57(1–3):561, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902907>.

Nair:1984:FPC

- [Nai84] K. P. Rajappan Nair. A Fortran program for the calculation of hyperfine structure and stark effect in the rotational transition of a $^2\Sigma$ diatomic molecule. *Computer Physics Communications*, 34(1–2):163–174, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901681>.

Nair:1986:FPC

- [Nai86] K. P. R. Nair. A Fortran program for the calculation of hyperfine structure in the rotational transition of a $^2\Sigma$ diatomic molecule: II. Magnetic and electric quadrupole interaction from

both nuclei. *Computer Physics Communications*, 41(1):59–73, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900214>.

Nash:1984:HME

- [Nas84] J. C. Nash. The Hermitian matrix eigenproblem $Hx = eSx$ using compact array storage. *Computer Physics Communications*, 35(1–3):C–264, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824984>.

Nash:1987:ACM

- [Nas87a] Thomas Nash. Asilomar conference on managing complexity in high energy physics: a summary and renaming of the conference. *Computer Physics Communications*, 45(1–3):9–14, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901366>.

Nilsson-Almqvist:1987:IBH

- [NAS87b] Bo Nilsson-Almqvist and Evert Stenlund. Interactions between hadrons and nuclei: The lund Monte Carlo — FRITIOF version 1.6-. *Computer Physics Communications*, 43(3):387–397, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900567>.

Nash:1989:EPD

- [Nas89] Thomas Nash. Event parallelism: Distributed memory parallel computing for high energy physics experiments. *Computer Physics Communications*, 57(1–3):47–56, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901914>.

Navarra:1989:AGI

- [Nav89] Antonio Navarra. An application of GMRES to indefinite linear problems in meteorology. *Computer Physics Communications*, 53(1–3):321–327, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901690>.

Nguyen:1985:IVE

- [NBI⁺85] V. T. Nguyen, P. Bertrand, B. Izrar, E. Fijalkow, and M. R. Feix. Integration of Vlasov equation by quantum mechanical formalism. *Computer Physics Communications*, 34(3):295–301, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900062>.

Nesbet:1984:ARI

- [Nes84] R. K. Nesbet. Algorithms for regular and irregular Coulomb and Bessel functions. *Computer Physics Communications*, 32(4):341–347, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900511>.

Nesbet:1988:AEI

- [Nes88] R. K. Nesbet. Analytical evaluation of integrals over Coulomb wave functions. *Computer Physics Communications*, 52(1):29–33, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901683>.

Neto:1984:NCI

- [Net84] N. Neto. Numerical calculations of the irreducible representations of space groups. *Computer Physics Communications*, 35(1–3):C–304, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825321>.

Neves:1982:MSL

- [Nev82] Kenneth W. Neves. Mathematical software libraries for vector computers. *Computer Physics Communications*, 26(3–4):303–310, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901205>.

Newberger:1986:ENC

- [New86] Barry S. Newberger. Efficient numerical computation of the plasma dispersion function. *Computer Physics Communications*, 42(3):305–311, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900019>.

Newman:1987:CHE

- [New87] Harvey B. Newman. Computing for HEP experiments: 1987-1997. *Computer Physics Communications*, 45(1-3):27-45, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790138X>.

Newman:1989:NHE

- [New89] H. B. Newman. Networks for high energy physics. *Computer Physics Communications*, 57(1-3):561, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902919>.

Nex:1980:CMS

- [Nex80a] C. M. M. Nex. Computational methods for sparse matrices. *Computer Physics Communications*, 20(1):7-10, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901009>.

Nex:1980:UCS

- [Nex80b] C. M. M. Nex. The use of Chebyshev series in computational physics. *Computer Physics Communications*, 20(1):1-5, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900995>.

Nex:1984:RMP

- [Nex84] C. M. M. Nex. The recursion method: Processing the continued fraction. *Computer Physics Communications*, 34(1-2):101-122, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901632>.

Nex:1989:BLA

- [Nex89] C. M. M. Nex. The block Lanczos algorithm and the calculation of matrix resolvents. *Computer Physics Communications*, 53(1-3):141-146, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901550>.

Newland:1983:CSS

- [NF83] D. B. Newland and M. T. C. Fang. The computation of steady state arcs with mild nozzle — wall ablation. *Computer Physics Communications*, 28(3):299–314, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900474>.

Newland:1984:CSS

- [NF84] D. B. Newland and M. T. C. Fang. The computation of steady state arcs with mild nozzle — Wall ablation. *Computer Physics Communications*, 35(1–3):C–854, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482963X>.

Nakamura:1988:FAE

- [NFH⁺88] A. Nakamura, G. Feuer, H. C. Hege, V. Linke, and M. Haraguchi. Fast algorithm for an exact treatment of lattice quantum chromodynamics by Monte Carlo simulation on vector processors. *Computer Physics Communications*, 51(3):301–315, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901439>.

Nagahara:1982:SGS

- [NHK82] Izuru Nagahara, Shigeru Hosaka, and Shigetoshi Katsura. Spin-glass in the site diluted Ising ferromagnet: Octahedron approximation in the FCC lattice. *Computer Physics Communications*, 27(2):113–117, August 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900674>.

Nicholls:1989:FCC

- [Nic89] J. Nicholls. The Fermilab central computing facility architectural model. *Computer Physics Communications*, 57(1–3):417–421, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902543> ■

Nielsen:1988:ESD

- [Nie88] Jan Højlund Nielsen. Embedded systems development using modula-2. *Computer Physics Communications*, 50(1-2):59-70, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901166>.

Nishida:1988:IFP

- [Nis88] A. Nishida. ISAS future programs. *Computer Physics Communications*, 49(1):253-255, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902330>.

Nielsen:1982:LDZ

- [NJ82] O. H. Nielsen and S. S. Jaswal. Lattice dynamics of zincblende structure compounds using a deformable ion model. *Computer Physics Communications*, 25(3):269-273, March 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900224>.

Nielsen:1984:LDZ

- [NJ84] O. H. Nielsen and S. S. Jaswal. Lattice dynamics of zincblende structure compounds using a deformable ion model. *Computer Physics Communications*, 35(1-3):C-788, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829136>.

Nagel:1984:FRC

- [NK84] Pierre Nagel and R. D. Koshel. A finite range coupled channel born approximation code. *Computer Physics Communications*, 35(1-3):C-496-C-497, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826843>.

Noid:1988:ESC

- [NKS88] D. W. Noid, S. K. Knudson, and B. G. Sumpter. Exact semiclassical calculation of eigenvalues for multidimensional systems using SOS. *Computer Physics Communications*, 51(1-2):11-15, September/October 1988. CO-

DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900586>.

Naccache:1984:PSA

- [NM84] P. F. Naccache and M. R. C. McDowell. Phase shift analysis and consistency checks on electron-atom collision data. *Computer Physics Communications*, 35(1-3):C-209, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824510>.

Noble:1984:CPC

- [NN84] C. J. Noble and R. K. Nesbet. CFASYM, a program for the calculation of the asymptotic solutions of the coupled equations of electron collision theory. *Computer Physics Communications*, 33(4):399-411, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901450>.

Nour-Omid:1989:ALM

- [NO89] B. Nour-Omid. Applications of the Lanczos method. *Computer Physics Communications*, 53(1-3):157-168, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901574>.

Noble:1980:SEE

- [Nob80] C. J. Noble. Subroutines for the evaluation of exchange integrals in the impact parameter formulation of atomic charge transfer collisions. *Computer Physics Communications*, 19(3):327-335, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900879>.

Noble:1984:SEE

- [Nob84] C. J. Noble. Subroutines for the evaluation of exchange integrals in the impact parameter formulation of atomic charge transfer collisions. *Computer Physics Communications*, 35(1-3):C-622-C-623, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827873>.

Noga:1983:CFO

- [Nog83] J. Noga. Calculation of the fourth-order triple-excitation contribution to MB RSPT by using spatial symmetry properties of molecules. *Computer Physics Communications*, 29(2):117–124, April 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390067X>.

Northrop:1982:APA

- [Nor82] G. A. Northrop. Acoustic phonon anisotropy: Phonon focusing. *Computer Physics Communications*, 28(1):103–107, November 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900650>.

Norcross:1984:ASC

- [Nor84a] David W. Norcross. Asymptotic solution of coupled equations for electron scattering. *Computer Physics Communications*, 35(1–3):C–12, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822821>.

Northrop:1984:APA

- [Nor84b] G. A. Northrop. Acoustic phonon anisotropy: Phonon focusing. *Computer Physics Communications*, 35(1–3):C–838, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829495>.

Novak:1987:PEV

- [Nov87] Miroslav M. Novak. A program to evaluate vibrationally inelastic collisional cross sections of atom-diatom systems. *Computer Physics Communications*, 46(3):417–425, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900956>.

Nazarewicz:1984:MAI

- [NP84] W. Nazarewicz and M. Pindor. Multidimensional automatic integrator (MDAI) — an efficient routine for automatic integration of functions of many variables. *Computer*

Physics Communications, 31(1):1–12, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900778>.

Nobile:1986:EIM

- [NR86a] A. Nobile and V. Roberto. Efficient implementation of multidimensional Fast Fourier Transforms on a Cray X-MP. *Computer Physics Communications*, 40(2–3):189–201, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901086>.

Nobile:1986:MPT

- [NR86b] A. Nobile and V. Roberto. MFFT: a package for two- and three-dimensional vectorized discrete Fourier transforms. *Computer Physics Communications*, 42(2):233–247, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900391>.

Nobile:1988:MFD

- [NRS88] A. Nobile, V. Roberto, and F. Saitta. MFFT4: Four dimensional vectorized fast Fourier transforms. *Computer Physics Communications*, 48(2):313–318, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900501>.

Noble:1984:CPE

- [NT84] C. J. Noble and I. J. Thompson. COULN, a program for evaluating negative energy Coulomb functions. *Computer Physics Communications*, 33(4):413–419, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901462>.

Nuhrenberg:1986:P

- [Nüh86] Jürgen Nührenberg. Preface. *Computer Physics Communications*, 43(1):xi, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900470> ■

Nurzynski:1985:APE

- [Nur85] J. Nurzynski. Analysis of polarization experiments. *Computer Physics Communications*, 36(3):295–305, May 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900566>.

Nussbaumer:1984:VCC

- [Nus84] H. Nussbaumer. Vector coupling coefficients for complex atoms. *Computer Physics Communications*, 35(1–3):C–22, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822900>.

Nielsen:1984:LDG

- [NW84] O. H. Nielsen and W. Weber. Lattice dynamics of group IV semiconductors using an adiabatic bond charge model. *Computer Physics Communications*, 35(1–3):C–580, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827538>.

Olson:1984:SCP

- [OBLR84] D. L. Olson, J. L. Blough, T. S. Lakshmanan, and D. A. Rigney. Simulation of chemical profiles during electrotransport. *Computer Physics Communications*, 35(1–3):C–197, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482442X>.

OConnell:1984:CLF

- [O’C84a] M. J. O’Connell. Computing a Laplacian field component from boundary observations only. *Computer Physics Communications*, 35(1–3):C–373, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825886>.

OConnell:1984:MLS

- [O’C84b] M. J. O’Connell. Multivariate least squares fitting program using modified Gram–Schmidt transformations. *Computer Physics Communications*, 35(1–3):C–261, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824960>.

OConnell:1984:SPS

- [O'C84c] M. J. O'Connell. Search program for significant variables. *Computer Physics Communications*, 35(1-3):C-260, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824959>.

Ortoleva:1980:PIL

- [OCC80] Emanuele Ortoleva, Giorgio Castiglione, and Enrico Clementi. A program to introduce local symmetry in *ab-initio* computations of molecules: IBMOL-7. *Computer Physics Communications*, 19(3):337-357, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900880>.

Ortoleva:1984:PIL

- [OCC84] Emanuele Ortoleva, Giorgio Castiglione, and Enrico Clementi. A program to introduce local symmetry in *ab-initio* computations of molecules: Ibmol-7. *Computer Physics Communications*, 35(1-3):C-624, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827885>.

O'Brien:1986:FPC

- [OCS86] M. R. O'Brien, M. Cox, and D. F. H. Start. Fokker-Planck calculations of rf heating in tokamaks. *Computer Physics Communications*, 40(1):123-129, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901542>.

Odorico:1981:MCP

- [Odo81] R. Odorico. A Monte Carlo program for QCD event simulation in electron-positron annihilation at LEP energies. *Computer Physics Communications*, 24(1):73-87, September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901077>.

Odorico:1982:HMC

- [Odo82] R. Odorico. Hevol: a Monte Carlo program to calculate the evolution of structure functions with the inclusion of heavy quark effects. *Computer Physics Communications*, 25(3):253–268, March 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900212>.

Odorico:1984:CMC

- [Odo84a] R. Odorico. COJETS: a Monte Carlo program simulating QCD in hadronic production of jets and heavy flavours with inclusion of initial QCD Bremsstrahlung. *Computer Physics Communications*, 32(2):139–172, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900675>.

Odorico:1984:HMC

- [Odo84b] R. Odorico. Hevol: a Monte Carlo program to calculate the evolution of structure functions with the inclusion of heavy quark effects. *Computer Physics Communications*, 35(1–3):C–787, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829124>.

Odorico:1984:MCP

- [Odo84c] R. Odorico. A Monte Carlo program for QCD event simulation in electron-positron annihilation at LEP energies. *Computer Physics Communications*, 35(1–3):C–745, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828787>.

Odorico:1984:WMC

- [Odo84d] R. Odorico. WIZJET: a Monte Carlo program for hadronic production of W^\pm and Z^0 simulating the standard model with inclusion of initial QCD Bremsstrahlung. *Computer Physics Communications*, 32(2):173–184, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900687>.

Odstrcil:1980:TDM

- [Ods80] Dušan Odstrčil. Two-dimensional model of the plasma coaxial accelerator. *Computer Physics Communications*, 20(1):65–68, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901095>.

Odstrcil:1984:BPD

- [Ods84] D. Odstrcil. Boreas: a program for 1-D ideal fluid dynamics with shocks. *Computer Physics Communications*, 31(1):13–28, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490078X>.

Ogilvie:1983:SEC

- [Ogi83] J. F. Ogilvie. Spectroscopic energy coefficients for vibration-rotational states of dinuclear molecules. *Computer Physics Communications*, 30(1):101–105, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901273>.

Ogilvie:1984:SEC

- [Ogi84] J. F. Ogilvie. Spectroscopic energy coefficients for vibration-rotational states of dinuclear molecules. *Computer Physics Communications*, 35(1-3):C-904, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830039>

Oppe:1989:ONN

- [OJK89] Thomas C. Oppe, Wayne D. Joubert, and David R. Kincaid. An overview of NSPCG: a nonsymmetric preconditioned conjugate gradient package. *Computer Physics Communications*, 53(1-3):283–293, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901665>

Obdrzalek:1988:PSP

- [OL88] J. Obdrzálek and J. Luzný. Polyman — a system for polynomials. *Computer Physics Communications*, 50(1-2):255, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901336>.

Olken:1987:DMH

- [OLR⁺87] Frank Olken, Stewart C. Loken, Doron Rotem, Arie Shoshani, and Thomas G. Trippe. Data management for high energy physics experiments — preliminary proposals. *Computer Physics Communications*, 45(1–3):379–383, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901779>.

Olszewski:1983:PPV

- [Ols83] E. A. Olszewski. A program for perspective views of open surfaces. *Computer Physics Communications*, 30(3):259–269, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900942>.

Olszewski:1984:PPVb

- [Ols84] E. A. Olszewski. A program for perspective views of open surfaces. *Computer Physics Communications*, 35(1–3):C–915, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830143>.

ORaifeartaigh:1983:CDS

- [OM83] C. O’Raifeartaigh and J. F. McGilp. Calculation of differential scattering cross-sections for classical binary elastic collisions. *Computer Physics Communications*, 28(3):255–264, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900425>.

ORaifeartaigh:1984:CDS

- [OM84] C. O’Raifeartaigh and J. F. McGilp. Calculation of differential scattering cross-sections for classical binary elastic collisions. *Computer Physics Communications*, 35(1–3):C–849, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829586>.

Omura:1988:EEE

- [OM88] Yoshiharu Omura and Hiroshi Matsumoto. Electromagnetic and electrostatic emissions from a thin electron beam in space

plasma. *Computer Physics Communications*, 49(1):133–142, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902214>.

ONeal:1989:OES

- [O’N89] S. W. O’Neal. The OPAL event server. *Computer Physics Communications*, 57(1–3):413–416, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902531>.

Ohsaki:1989:ECS

- [ONP89] Akihiko Ohsaki, Hiroki Nakamura, and Seung C. Park. On the evaluation of cross section and rate constant of atom-diatom reactions in the sudden and adiabatic approximations. *Computer Physics Communications*, 52(3):291–302, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901045>.

Opik:1987:PSS

- [Öpi87] U. Öpik. A program to set up systems of orthogonal polynomials. *Computer Physics Communications*, 46(2):263–296, August 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900051>.

Ohara:1984:TCI

- [OS84] H. O’hara and F. J. Smith. Transport collision integrals for a dilute gas. *Computer Physics Communications*, 35(1–3):C–64, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823292>.

Olivares:1986:CSO

- [OS86] Antonio G. Olivares and Mario Soler. Computed sawtooth oscillations for tokamak plasmas. *Computer Physics Communications*, 40(2–3):219–227, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901104> ■

Okazaki:1986:NSL

- [OSF86] T. Okazaki, M. Sugihara, and N. Fujisawa. Numerical study of a lower hybrid current drive in the presence of a dc electric field. *Computer Physics Communications*, 40(1):131–136, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901554>.

Osland:1988:GCG

- [Osl88] C. D. Osland. GKS and CGM graphics standards. *Computer Physics Communications*, 50(1–2):129–141, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890121X>.

Ostlund:1985:WVH

- [Ost85] Neil S. Ostlund. WATERLOPP V2/64: a highly parallel machine for numerical computation. *Computer Physics Communications*, 37(1–3):109–117, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901420>.

Olszewski:1980:PPV

- [OT80] E. A. Olszewski and W. J. Thompson. A program for perspective views of three-dimensional surfaces. *Computer Physics Communications*, 21(2):185–193, December 2, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900399>.

Olszewski:1984:PPVa

- [OT84] E. A. Olszewski and W. J. Thompson. A program for perspective views of three-dimensional surfaces. *Computer Physics Communications*, 35(1–3):C-658–C-659, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828179>.

Onda:1980:NVP

- [OTB80] Kunizo Onda, Donald G. Truhlar, and Maynard A. Brandt. New version of program for calculating differential and integral cross sections for quantum mechanical scattering problems from reactance or transition matrices. *Computer Physics*

Communications, 21(1):97–108, December 1, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090079X>.

Onda:1984:NVP

- [OTB84] Kunizo Onda, Donald G. Truhlar, and Maynard A. Brandt. New version of program for calculating differential and integral cross sections for quantum mechanical scattering problems from reactance or transition matrices. *Computer Physics Communications*, 35(1–3):C–653, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828131>.

Otto:1989:SMV

- [Ott89] Steve W. Otto. Shared-memory versus distributed-memory: Halftime score. *Computer Physics Communications*, 57(1–3):95–100, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901963>.

Ortega:1984:INR

- [OVQT⁺84] M. Ortega, A. Vidal-Quadras, M. Tomás, F. Fernández, V. Gandía, and C. Jacquot. Identification of nuclear reactions registered in ionographic detectors. *Computer Physics Communications*, 35(1–3):C–381, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825941>.

Opik:1984:MPE

- [ÖW84] U. Öpik and R. F. Wood. The Madelung potential and electric field intensity for a sodium chloride and for a caesium chloride lattice. *Computer Physics Communications*, 35(1–3):C–33, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823012>.

Ogata:1980:NCN

- [OY80] Atsushi Ogata and Kazuo Yuasa. The number of computers in a non-hierarchical system for Tokamak data processing. *Computer Physics Communications*, 19(1):35–41, January/March

1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900648>.

Oyanagi:1986:IDL

- [Oya86] Yoshio Oyanagi. An incomplete *LDU* decomposition of lattice fermions and its application to conjugate residual methods. *Computer Physics Communications*, 42(3):333–343, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900032>.

Pagiola:1987:FVA

- [Pag87] E. Pagiola. FORTRAN vs? answer; casual. *Computer Physics Communications*, 45(1–3):485, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901949>.

Parkinson:1982:UID

- [Par82] Dennis Parkinson. Using the ICL DAP. *Computer Physics Communications*, 26(3–4):227–232, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901096>.

Parkinson:1983:DAP

- [Par83] D. Parkinson. The Distributed Array Processor (DAP). *Computer Physics Communications*, 28(4):325–336, February 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900310>.

Parcell:1984:SDE

- [Par84] L. A. Parcell. Solution of differential equations for exchange matrix elements in heavy particle collisions. *Computer Physics Communications*, 35(1–3):C–181, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824273>.

Parga:1989:NNM

- [Par89a] N. Parga. Neural networks as models of associative memories. *Computer Physics Communications*, 55(1):77–84, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900659>.

Parsons:1989:IEL

- [Par89b] I. D. Parsons. The implementation of an element level multigrid algorithm on the alliant FX/8. *Computer Physics Communications*, 53(1–3):337–348, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901719>.

Patterson:1982:LSS

- [Pat82] G. S. Patterson, Jr. Large scale scientific computing — future directions. *Computer Physics Communications*, 26(3–4):217–225, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901084>.

Parkinson:1984:PNM

- [PB84a] J. R. Parkinson and D. T. Birtwistle. A program for normalised Morse functions. *Computer Physics Communications*, 35(1–3):C–158, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824091>.

Pirala:1984:RNI

- [PB84b] P. Piralä and E. Byckling. Recursive numerical integration of multi-particle phase space with peripheral matrix element. *Computer Physics Communications*, 35(1–3):C–148, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824017>.

Pawley:1985:CPM

- [PBKW85] G. S. Pawley, K. C. Bowler, R. D. Kenway, and D. J. Wallace. Concurrency and parallelism in MC and MD simulations in physics. *Computer Physics Communications*, 37(1–3):251–260, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901602>.

Papageorgiou:1989:MEP

- [PCL89] D. G. Papageorgiou, C. S. Chassapis, and I. E. Lagaris. MERLIN-2.0 — enhanced and programmable version. *Computer Physics Communications*, 52(2):241–247, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900076>.

Perrott:1985:IPL

- [PCM85] R. H. Perrott, D. Crookes, and P. Milligan. Implementing a parallel language on the Cray-1. *Computer Physics Communications*, 37(1–3):119–124, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901432>.

Park:1989:BBT

- [PD89] S. C. Park and J. P. Draayer. Balanced binary tree code for scientific applications. *Computer Physics Communications*, 55(2):189–204, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900763>.

Pattnaik:1982:FSP

- [PDF82] Pratap C. Pattnaik, Philip H. Dickinson, and John L. Fry. Fermi-surface: a package to display perspective drawings of Fermi surfaces in cubic systems. *Computer Physics Communications*, 25(1):63–71, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900443>.

Pattnaik:1984:FSP

- [PDF84] Pratap C. Pattnaik, Philip H. Dickinson, and John L. Fry. Fermi-surface: a package to display perspective drawings of Fermi surfaces in cubic systems. *Computer Physics Communications*, 35(1–3):C-768, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828969>.

Pacheco:1988:FCS

- [PDNE88] A. J. Pacheco, D. E. Di Gregorio, J. O. Fernández Niello, and M. Elgue. Fusion cross sections from measurements of delayed X-rays. *Computer Physics Communications*, 52(1):93–102, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901762>.

Perrott:1982:LVP

- [Per82] R. H. Perrott. Languages for vector and parallel processors. *Computer Physics Communications*, 26(3–4):267–275, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901163>.

Perotto:1987:NOS

- [Per87] E. Perotto. Network operating system. *Computer Physics Communications*, 45(1–3):455–466, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901895>.

Persson:1989:MTD

- [Per89] Stefan Persson. Measurement and three dimensional reconstruction of particle tracks in emulsion chambers. *Computer Physics Communications*, 55(1):103–108, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900684>.

Petrasch:1984:NCA

- [Pet84] P. Petrasch. Nonlinear computation of anisotropic elastic fields about straight edge dislocations. *Computer Physics Communications*, 35(1–3):C–380, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482593X>.

Paul:1986:BLD

- [PF86] H.-J. Paul and H. Freiesleben. The Bochum on-line data acquisition system. *Computer Physics Communications*, 39(3):305–311, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900925>.

Piska:1982:MSH

- [PFGP82] K. Píska, W. Falkenberg, C.-P. Glasneck, and W. Pflugbeil. Multimicroprocessor system for high-energy physics experiment applications. *Computer Physics Communications*, 26(1-2):213-215, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901722>.

Pyper:1984:NPC

- [PGB84] N. C. Pyper, I. P. Grant, and N. Beatham. A new program for calculating matrix elements of one-particle operators in jj -coupling. *Computer Physics Communications*, 35(1-3):C-509-C-510, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826946>.

Phillips:1980:SOD

- [Phi80] G. M. Phillips. A survey of one-dimensional and multidimensional numerical integration. *Computer Physics Communications*, 20(1):17-27, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901022>.

Philippot:1986:SAL

- [Phi86] Georg P. Philippot. The Simula approach to living software. *Computer Physics Communications*, 41(2-3):291-294, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690072X>.

Poenaru:1984:LDM

- [PI84] D. N. Poenaru and M. Ivascu. Liquid drop model deformation energies of nuclei with axial symmetry and reflection asymmetry. *Computer Physics Communications*, 35(1-3):C-522, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827034>.

Piacentini:1984:MMTa

- [Pia84] R. D. Piacentini. Multistate molecular treatment of atomic collisions in the impact parameter approximation. III — integration of coupled equations and calculation of transition amplitudes for Coulomb trajectories. *Computer Physics Communications*, 35(1-3):C-397, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826089>.

Pichon:1989:NCG

- [Pic89] Bernard Pichon. Numerical calculation of the generalized Fermi-Dirac integrals. *Computer Physics Communications*, 55(2):127-136, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900714>.

Piessens:1982:ACB

- [Pie82] R. Piessens. Automatic computation of Bessel function integrals. *Computer Physics Communications*, 25(3):289-295, March 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900248>.

Piessens:1984:ACB

- [Pie84a] R. Piessens. Automatic computation of Bessel function integrals. *Computer Physics Communications*, 35(1-3):C-791, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482915X>.

Piessens:1984:CRD

- [Pie84b] R. Piessens. Calculation of the radial distribution of emitters in a cylindrical source. *Computer Physics Communications*, 35(1-3):C-182, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824285>.

Poenaru:1980:FYP

- [PIM80] D. N. Poenaru, M. Ivascu, and D. Mazilu. Folded Yukawa-plus-exponential model PES for nuclei with different charge densities. *Computer Physics Communications*, 19(2):205-214,

April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090051X>.

Poenaru:1982:ADH

- [PIM82] D. N. Poenaru, M. Ivascu, and D. Mazilu. Alpha-decay half-life semiempirical relationships with self-improving parameters. *Computer Physics Communications*, 25(3):297–309, March 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290025X>.

Poenaru:1984:ADH

- [PIM84a] D. N. Poenaru, M. Ivascu, and D. Mazilu. Alpha-decay half-life semiempirical relationships with self-improving parameters. *Computer Physics Communications*, 35(1–3):C–792, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829161>.

Poenaru:1984:FYP

- [PIM84b] D. N. Poenaru, M. Ivascu, and D. Mazilu. Folded Yukawa-plus-exponential model PES for nuclei with different charge densities. *Computer Physics Communications*, 35(1–3):C–617, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827824>.

Pissanetzky:1984:ATD

- [Pis84a] Sergio Pissanetzky. Automatic three-dimensional finite element mesh generation using the program *kubik*. *Computer Physics Communications*, 32(3):245–265, June 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900894>.

Pissanetzky:1984:KTD

- [Pis84b] Sergio Pissanetzky. *Kubik: a three-dimensional finite element mesh generator users manual*. *Computer Physics Communications*, 32(3):267–279, June 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900900>■

Pantelic:1989:NKS

- [PJ89] Dejan V. Pantelic and Zoran D. Janevski. A new kind of splines and their use for fast ray-tracing in reflective cavities. *Computer Physics Communications*, 55(1):5–11, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990060X>.

Platz:1986:PMD

- [Pla86] Jochen Platz. Project management in the development of scientific software. *Computer Physics Communications*, 41(2-3):217–225, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900664>.

Peterson:1980:MCC

- [PM80] Robert R. Peterson and Gregory A. Moses. MFP — a code for calculating equation of state and optical data for noble gases. *Computer Physics Communications*, 20(3):353–371, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900168>.

Peterson:1983:MES

- [PM83] Robert R. Peterson and Gregory A. Moses. MIXERG — an equation of state and opacity computer code. *Computer Physics Communications*, 28(4):405–426, February 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900358>.

Peterson:1984:MCC

- [PM84a] Robert R. Peterson and Gregory A. Moses. MFP — a code for calculating equation of state and optical data for noble gases. *Computer Physics Communications*, 35(1-3):C-641–C-642, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828027>.

Peterson:1984:MES

- [PM84b] Robert R. Peterson and Gregory A. Moses. Mixerg — an equation of state and opacity computer code. *Computer Physics Communications*, 35(1-3):C-860–C-861, ???

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829689>.

Parlett:1989:TBB

- [PNO89] Beresford N. Parlett and Bahram Nour-Omid. Towards a black box Lanczos program. *Computer Physics Communications*, 53(1-3):169-179, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <https://www.math.utah.edu/pub/bibnet/subjects/acc-stab-num-alg.bib>; <http://www.sciencedirect.com/science/article/pii/0010465589901586>.

Poet:1985:DSP

- [Poe85] Ron Poet. The design of special purpose hardware to factor large integers. *Computer Physics Communications*, 37(1-3):337-341, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901705>■

Pohl:1987:DDP

- [Poh87a] Martin Pohl. Data driven parallelism in experimental high energy physics applications. *Computer Physics Communications*, 45(1-3):311-317, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901676>■

Pohl:1987:MHE

- [Poh87b] Martin Pohl. Multiprocessors for high energy physics. *Computer Physics Communications*, 45(1-3):47-60, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901391>.

Pollock:1988:PCC

- [Pol88] E. L. Pollock. Properties and computation of the Coulomb pair density matrix. *Computer Physics Communications*, 52(1):49-60, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901713>■

Ponting:1981:SVP

- [Pon81] D. K. Ponting. Stochastic variational principle calculations. *Computer Physics Communications*, 22(2-3):159–166, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190045X>.

Poon:1983:ABS

- [Poo83] Ying Ming Poon. Accurate basis sets for atomic configuration interaction calculations. *Computer Physics Communications*, 29(2):113–116, April 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900668>.

Pouquet:1988:NSM

- [Pou88a] A. Pouquet. Numerical simulations of MHD turbulence. *Computer Physics Communications*, 49(1):97–102, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902184>.

Pouzin:1988:INI

- [Pou88b] Louis Pouzin. Impact of national and international networks on the use of supercomputer centers. *Computer Physics Communications*, 49(1):201–203, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902275>.

Pryce:1982:SOS

- [PP82] J. D. Pryce and J. W. Paine. A stiff ODE solver for an attached processor. *Computer Physics Communications*, 27(1):97–100, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900133>.

Pilipczuk:1985:SPC

- [PP85] Edward Pilipczuk and Iwona Pilipczuk. Skew — program for calculation of the electron scattering amplitudes on an atomic potential using spin-orbit relativistic correction. *Computer Physics Communications*, 36(1):101–107, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900207>.

Phillips:1986:NAP

- [PPHS86] C. K. Phillips, F. W. Perkins, D. Q. Hwang, and D. G. Swanson. Numerical application of the parabolic approximation method for fast magnetosonic wave propagation in tokamaks. *Computer Physics Communications*, 40(1):23–31, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901463>.

Pauli:1984:CPI

- [PR84] H. C. Pauli and U. Raff. A computer program for internal conversion coefficients and particle parameters. *Computer Physics Communications*, 35(1–3):C–320–C–321, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482545X>.

Papageorgiou:1987:MSS

- [PR87] C. D. Papageorgiou and A. D. Raptis. A method for the solution of the Schrödinger equation. *Computer Physics Communications*, 43(3):325–328, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790049X>.

Preuss:1984:CCO

- [Pre84a] E. Preuss. Calculation of crystal orientations using Laue patterns. *Computer Physics Communications*, 35(1–3):C–594, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827642>.

Preuss:1984:PPL

- [Pre84b] E. Preuss. Plot program for Laue patterns and stereographic projections. *Computer Physics Communications*, 35(1–3):C–593, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827630>.

Provencher:1982:CRM

- [Pro82a] Stephen W. Provencher. A constrained regularization method for inverting data represented by linear algebraic or integral equations. *Computer Physics Communications*, 27(3):213–227, September 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901734>.

Provencher:1982:CGP

- [Pro82b] Stephen W. Provencher. CONTIN: a general purpose constrained regularization program for inverting noisy linear algebraic and integral equations. *Computer Physics Communications*, 27(3):229–242, September 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901746>.

Provencher:1984:CGP

- [Pro84] Stephen W. Provencher. Contin: a general purpose constrained regularization program for inverting noisy linear algebraic and integral equations. *Computer Physics Communications*, 35(1–3):C-818–C-819, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829355>.

Papaconstantopoulos:1984:CCP

- [PS84a] Dimitrios A. Papaconstantopoulos and Wayne R. Slaughter. Calculation of crystal potentials. *Computer Physics Communications*, 35(1–3):C-238, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824777>.

Piacentini:1984:MMTb

- [PS84b] R. D. Piacentini and A. Salin. Multistate molecular treatment of atomic collisions in the impact parameter approximation. II — calculation of differential cross-sections from the transition amplitudes for the straight line case. *Computer Physics Communications*, 35(1–3):C-414, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826235>.

Pomponiu:1984:FAS

- [PS84c] C. Pomponiu and M. Sararu. Fourier analysis with splines, a Fortran program. *Computer Physics Communications*, 35(1–3): C–523, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827046>.

Popov:1988:MOM

- [PS88] V. P. Popov and A. L. Semjenov. Microprocessors and operative metrological maintenance of high-accuracy data conversion in the experiment. *Computer Physics Communications*, 50(1–2):257–261, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901348>.

Peterson:1984:EED

- [PSBG84] L. R. Peterson, T. Sawada, J. N. Bass, and A. E. S. Green. Electron energy deposition in a gaseous mixture. *Computer Physics Communications*, 35(1–3):C–178, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482425X>.

Paez:1988:LNE

- [PSL88] Manuel J. Páez, Milton E. Sagen, and Rubin H. Landau. LPOTp: Nucleon elastic-scattering from spin 0 and 12 nuclei in momentum space. *Computer Physics Communications*, 52(1):141–159, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901798>.

Pick:1982:ETA

- [PT82] S. Pick and M. Tomásek. On the equivalence of three approaches to matrix tridiagonalization: Comparison with the recursion method. *Computer Physics Communications*, 27(1):101–102, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900145>.

Pendry:1984:CPS

- [PT84] J. B. Pendry and D. J. Titterington. Calculation of photoemission spectra for surfaces of solids. *Computer*

Physics Communications, 35(1-3):C-610, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827770>.

Potenza:1985:CPP

- [PT85] R. Potenza and C. Tuvè. A colloquial plotting package to realize scientific diagrams. *Computer Physics Communications*, 38(1):53-60, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900451>.

Phillips:1986:NSI

- [PT86] M. W. Phillips and A. M. M. Todd. The numerical solution of ICRF fields in axisymmetric mirrors. *Computer Physics Communications*, 40(1):65-72, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901487>.

Puff:1983:PNV

- [Puf83] Werner Puff. PFPOSFIT: a new version of a program for analysing positron lifetime spectra with non-Gaussian prompt curve. *Computer Physics Communications*, 30(4):359-368, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900772>.

Puff:1984:PNV

- [Puf84] Werner Puff. Pfpofit: a new version of a program for analysing positron lifetime spectra with non-Gaussian prompt curve. *Computer Physics Communications*, 35(1-3):C-922, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830209>.

Purcell:1982:UC

- [Pur82] C. J. Purcell. Using the Cyber 205. *Computer Physics Communications*, 26(3-4):249-251, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901138>

Putzer:1989:DSD

- [Put89] Alois Putzer. Data structures and data-base systems used in high energy physics: Modelling and implementation. *Computer Physics Communications*, 57(1-3):156-163, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902051>.

Payne:1984:FPC

- [PV84] G. L. Payne and P. L. Von Behren. Fortran program to calculate finite-range no-recoil DWBA transfer cross sections. *Computer Physics Communications*, 35(1-3):C-223-C-224, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824637>.

Pyle:1985:PMA

- [Pyl85] I. C. Pyle. Pascal, Modula and Ada. *Computer Physics Communications*, 38(2):191-197, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900852>.

Ping:1989:CGS

- [PZCC89] Jia-Lun Ping, Qing-Rong Zheng, Bing-Qing Chen, and Jin-Quan Chen. Computer generated subgroup-symmetry adapted irreducible representations and CG coefficients of space groups by the eigenfunction method. *Computer Physics Communications*, 52(3):355-373, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901112>.

Quarrie:1989:COS

- [QAD⁺89] D. R. Quarrie, M. D. Anderson, C. T. Day, G. Goeransson, J. Patrick, M. Schmitz, E. Sexton, and B. Troemel. The CDF online system. *Computer Physics Communications*, 57(1-3):325-331, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902373>■

Qian:1987:UAD

- [QTZ⁺87] Z. Qian, S. Tang, W. Zhao, S. M. Fisher, J. Harvey, M. Boano, J. Bunn, R. McClatchey, V. Emiliani, P. Palazzi, R. Brazilioli, A. Putzer, M. G. Green, and R. Fantechi. Use of the ADAMO data management system within ALEPH. *Computer Physics Communications*, 45(1–3):283–298, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901652>.

Quarrie:1987:PCH

- [Qua87] David R. Quarrie. Personal computers in high energy physics. *Computer Physics Communications*, 45(1–3):175–179, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901536>.

Robaux:1982:PAR

- [RA82] O. Robaux and M. Aymar. A program for analysing the Rydberg series of highly excited discrete spectra by M.Q.D.T. *Computer Physics Communications*, 25(3):223–236, March 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900194>.

Robaux:1984:PAR

- [RA84] O. Robaux and M. Aymar. A program for analysing the Rydberg series of highly excited discrete spectra by M.Q.D.T. *Computer Physics Communications*, 35(1–3):C-784, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829100>.

Ramek:1985:TLG

- [Ram85] Michael Ramek. Titel — a letter generating program. *Computer Physics Communications*, 36(4):433–440, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900335>.

Rand:1986:PPI

- [Ran86] D. W. Rand. PASCAL programs for identification of Lie algebras: Part 1. Radical — a program to calculate the radical and

nil radical of parameter-free and parameter-dependent Lie algebras. *Computer Physics Communications*, 41(1):105–125, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690024X>. See erratum [Ran87a].

Rand:1987:ENP

- [Ran87a] D. W. Rand. Erratum notice: “PASCAL programs for identification of Lie algebras. I. RADICAL — a program to calculate the radical and nil radical of parameter-free and parameter-dependent Lie algebras” [Comput. Phys. Comm. 41 (1986), no. 1, 105–125]. *Computer Physics Communications*, 47(2–3):369–371, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901251>. See [Ran86].

Rand:1987:PP1b

- [Ran87b] D. W. Rand. PASCAL programs for identification of Lie algebras: Part 3: LEVI decomposition and canonical basis. *Computer Physics Communications*, 46(2):311–322, August 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900075>.

Rao:1981:CAM

- [Rao81] K. Srinivasa Rao. Computation of angular momentum coefficients using sets of generalised hypergeometric functions. *Computer Physics Communications*, 22(2–3):297–302, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900631>.

Rappaz:1981:SPN

- [Rap81a] J. Rappaz. Spectral pollution of a non-compact operator. *Computer Physics Communications*, 24(3–4):323–327, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901545>.

Raptis:1981:NSS

- [Rap81b] A. D. Raptis. On the numerical solution of the Schrödinger equation. *Computer Physics Communications*, 24(1):1–4,

September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901016>

Raptis:1983:EFS

- [Rap83] A. D. Raptis. Exponentially-fitted solutions of the eigenvalue Schrödinger equation with automatic error control. *Computer Physics Communications*, 28(4):427–431, February 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558390036X>.

Rapaport:1984:CGC

- [Rap84] D. C. Rapaport. Computer generation of connected graphs. *Computer Physics Communications*, 35(1–3):C-280, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825114>.

Rapaport:1985:MBS

- [Rap85] D. C. Rapaport. Many-body simulations using an array processor. *Computer Physics Communications*, 37(1–3):343–349, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901717>.

Raseev:1980:ESC

- [Ras80a] G. Raseev. Electron scattering by closed or open shell diatomic molecules. *Computer Physics Communications*, 20(2):275–289, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900077>.

Raseev:1980:TVP

- [Ras80b] G. Raseev. Third version of a program for calculating the static interaction potential between an electron and a diatomic molecule. *Computer Physics Communications*, 20(2):267–274, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900065>.

Raseev:1984:ESC

- [Ras84a] G. Raseev. Electron scattering by closed or open shell diatomic molecules. *Computer Physics Communications*, 35(1–3):C–636, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827976>.

Raseev:1984:TVP

- [Ras84b] G. Raseev. Third version of a program for calculating the static interaction potential between an electron and a diatomic molecule. *Computer Physics Communications*, 35(1–3):C–635, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827964>.

Rudnicki-Bujnowski:1984:EFC

- [RB84] Georges Rudnicki-Bujnowski. Explicit formulas for CLEBSCH-GORDAN coefficients. *Computer Physics Communications*, 35(1–3):C–343, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825643>.

Rountree:1984:PCG

- [RBHW84] S. P. Rountree, T. Burnett, R. J. W. Henry, and C. A. Weatherford. A program to calculate Green's functions. *Computer Physics Communications*, 35(1–3):C–357–C–358, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825771>.

Rankin:1986:DEF

- [RBMC86] R. Rankin, A. Birnboim, R. Marchand, and C. E. Capjack. Diffusion and equilibration in 2D fluid codes. *Computer Physics Communications*, 41(1):21–34, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900184>.

Raptis:1985:VSM

- [RC85] A. D. Raptis and J. R. Cash. A variable step method for the numerical integration of the one-dimensional Schrödinger equation. *Computer Physics Communications*, 36(2):113–119, April

1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901171>.

Raptis:1987:EBF

- [RC87] A. D. Raptis and J. R. Cash. Exponential and Bessel fitting methods for the numerical solution of the Schrödinger equation. *Computer Physics Communications*, 44(1-2):95-103, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900208>.

Rysavy:1980:CPD

- [RD80] M. Rysavý and O. Dragoun. A computer program for determination of nuclear parameters from initial conversion experiments. *Computer Physics Communications*, 19(1):93-101, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900697>.

Rysavy:1984:CPD

- [RD84] M. Rysavý and O. Dragoun. A computer program for determination of nuclear parameters from initial conversion experiments. *Computer Physics Communications*, 35(1-3):C-611, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827782>.

Read:1984:GEW

- [Rea84] Brian J. Read. G-exec and the world data centre. *Computer Physics Communications*, 33(1-3):235-244, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901292>.

Read:1989:DSO

- [Rea89] Brian J. Read. Data structures and organisation: Special problems in scientific applications. *Computer Physics Communications*, 57(1-3):164-168, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902063>.

Redi:1988:STC

- [Red88] Martha H. Redi. Standard test cases for the BALDUR transport code. *Computer Physics Communications*, 49(2):399–407, May 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900136>.

Regler:1981:ICA

- [Reg81] M. Regler. Influence of computation algorithms on experimental design. *Computer Physics Communications*, 22(2–3):167–175, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900461>.

Reid:1985:MXR

- [Rei85] John S. Reid. Multiphonon X-ray scattering. *Computer Physics Communications*, 38(1):43–52, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590044X>.

Reid:1986:SPX

- [Rei86] John S. Reid. Single-phonon X-ray scattering. *Computer Physics Communications*, 42(3):417–426, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900093>.

Reid:1987:HDW

- [Rei87] John S. Reid. Harmonic Debye–Waller factors for cubic materials. *Computer Physics Communications*, 46(1):141–148, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900415>.

Reid:1989:SRF

- [Rei89] John S. Reid. Synchrotron radiation flux at experimental stations. *Computer Physics Communications*, 54(2–3):307–314, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900933>.

Rysavy:1983:EPD

- [RF83] M. Rysavý and M. Fiser. Erika — a program for the decomposition of line spectra. *Computer Physics Communications*, 29(2):171–183, April 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900723>■

Rysavy:1984:EPD

- [RF84] M. Rysavý and M. Fiser. Erika — a program for the decomposition of line spectra. *Computer Physics Communications*, 35(1–3):C–873, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482977X>■

Raine:1989:SLM

- [RFS89] A. R. C. Raine, D. Fincham, and W. Smith. Systolic loop methods for molecular dynamics simulation using multiple transputers. *Computer Physics Communications*, 55(1):13–30, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900611>.

Radziemski:1984:CAE

- [RFSG84a] Leon J. Radziemski, Jr., Kay J. Fisher, David W. Steinhaus, and Aaron S. Goldman. Calculation of atomic energy level values. *Computer Physics Communications*, 35(1–3):C–116, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823747>.

Radziemski:1984:WNC

- [RFSG84b] Leon J. Radziemski, Jr., Kay J. Fisher, David W. Steinhaus, and Aaron S. Goldman. Wave number calculation from least-squares level values. *Computer Physics Communications*, 35(1–3):C–117, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823759>■

Rockwood:1980:NSB

- [RG80] S. D. Rockwood and A. E. Greene. Numerical solutions of the Boltzmann transport equation. *Computer Physics*

Communications, 19(3):377–393, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900909>.

Rockwood:1984:NSB

- [RG84] S. D. Rockwood and A. E. Greene. Numerical solutions of the Boltzmann transport equation. *Computer Physics Communications*, 35(1–3):C-627, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827903>.

Reiman:1986:CTD

- [RG86] A. Reiman and H. Greenside. Calculation of three-dimensional MHD equilibria with islands and stochastic regions. *Computer Physics Communications*, 43(1):157–167, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900597>.

Rushton:1989:DIO

- [RHM⁺89] A. M. Rushton, L. Hunt, T. McGlynn, F. Ochsenbein, B. Perrine, A. Richmond, F. Romelfanger, G. Russo, P. M. B. Shames, J. Travisano, L. Willard, and S. Zeller. Design and implementation of an optical disk-based astronomical data archive. *Computer Physics Communications*, 57(1–3):427–431, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902567>.

Ribeiro:1980:MOS

- [Rib80] C. A. Ribeiro. Method for obtaining small sets of pseudo random numbers with uniform distribution. *Computer Physics Communications*, 19(3):305–307, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900855>.

Richardson:1982:SMC

- [Ric82] D. D. Richardson. Shell model calculations of point defect formation energies in cubic ionic crystals. *Computer*

Physics Communications, 28(1):75–101, November 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900649>.

Richardson:1984:SMC

- [Ric84] D. D. Richardson. Shell model calculations of point defect formation energies in cubic ionic crystals. *Computer Physics Communications*, 35(1–3):C–837, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829483>.

Richmond:1986:SDO

- [Ric86] Alan Richmond. Software design by object-oriented functional layering. *Computer Physics Communications*, 41(2–3):377–384, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900767>.

Ridder:1982:CAT

- [Rid82] Detlef Ridder. Classification of Auger-transitions in LS-coupling. *Computer Physics Communications*, 28(2):201–205, December 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900558>.

Ridder:1984:DIC

- [Rid84a] Detlef Ridder. Determination of interacting configurations. *Computer Physics Communications*, 31(4):423–429, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900262>.

Ridder:1984:CAT

- [Rid84b] Detlet Ridder. Classification of Auger-transitions in LS-coupling. *Computer Physics Communications*, 35(1–3):C–846, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829549>.

Rimmer:1981:SDP

- [Rim81] E. M. Rimmer. Standards for data processing in high energy and nuclear physics experiments. *Computer Physics Communications*, 22(2-3):303-305, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900643> ■

Rinker:1984:SDM

- [Rin84] G. A. Rinker. Static and dynamic muonic-atom codes — muon and rupp. *Computer Physics Communications*, 35(1-3):C-534-C-535, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827137>.

Ritter:1984:MCCa

- [Rit84a] S. Ritter. Monte Carlo code `banjet` to simulate the fragmentation of quark and diquark jets. *Computer Physics Communications*, 31(4):393-400, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900225> ■

Ritter:1984:MCCb

- [Rit84b] S. Ritter. Monte Carlo code `parjet` to simulate e^+e^- -annihilation events via QCD jets. *Computer Physics Communications*, 31(4):401-409, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900237> ■

Ritter:1986:MCM

- [Rit86] S. Ritter. The macroparticle code `macpar` to simulate the beam-beam interaction of high energy linear electron-positron colliders. *Computer Physics Communications*, 39(1):71-91, January 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901645>.

Reich:1980:GLA

- [RL80] G. R. Reich and P. L. Leath. Growing lattice animals and Monte-Carlo methods. *Computer Physics Communications*, 19(1):29-33, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900636> ■

Reid:1989:QEX

- [RM89] John S. Reid and Gordon J. Milne. Quasi-elastic X-ray scattering divergence analysis calculation. *Computer Physics Communications*, 55(1):91–101, August 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900672>.

Rosato:1989:MDM

- [RMV89] V. Rosato, G. Maino, and A. Ventura. A molecular dynamics model for the study of helium on transition metals. *Computer Physics Communications*, 54(2–3):251–256, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990088X>.

Roberts:1980:E

- [Rob80a] K. V. Roberts. Editorial. *Computer Physics Communications*, 19(1):vii–viii, January/March 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900582>.

Roberts:1980:CCL

- [Rob80b] S. A. Roberts. COLASE — a CO–N₂–He laser kinetics code. *Computer Physics Communications*, 20(3):373–412, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090017X>.

Roberts:1981:E

- [Rob81] K. V. Roberts. Editorial. *Computer Physics Communications*, 23(1):vii, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901235>.

Roberts:1983:RFS

- [Rob83] K. V. Roberts. The regeneration of Fortran software. *Computer Physics Communications*, 29(1):7–13, March 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900243>.

Robb:1984:PER

- [Rob84a] W. D. Robb. A program to evaluate the reduced matrix elements of summations of one-particle tensor operators. *Computer Physics Communications*, 35(1-3):C-214, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482456X>.

Robb:1984:PGN

- [Rob84b] W. D. Robb. A program to generate numerical orbital functions. *Computer Physics Communications*, 35(1-3):C-54, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482319X>.

Roberts:1984:CCL

- [Rob84c] S. A. Roberts. Colase — a CO-N₂-He laser kinetics code. *Computer Physics Communications*, 35(1-3):C-643, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828039>.

Roberts:1984:NMCa

- [Rob84d] S. A. Roberts. Numerical modelling of a chemical plasma I. *reacs*: a program to generate all reactions which take place in a plasma of given chemical content. *Computer Physics Communications*, 35(1-3):C-599, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482768X>.

Roberts:1984:NMCb

- [Rob84e] S. A. Roberts. Numerical modelling of a chemical plasma II. *plaskem*: a program to predict the variation with time of the number densities of chemical species within a plasma. *Computer Physics Communications*, 35(1-3):C-600, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827691>.

Roberts:1984:NMCC

- [Rob84f] S. A. Roberts. Numerical modelling of a chemical plasma III. *datstor*: a program to create a data base containing infor-

mation on rate coefficients of chemical reactions. *Computer Physics Communications*, 35(1-3):C-601, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827708>.

Roberts:1985:BRB

- [Rob85] K. V. Roberts. Book review: *Programming for Software Sharing*: D. T. Muxworthy, ed., D. Reidel, Dordrecht, 1983. x + 283 pages Cloth Dfl 90, US\$39.50 ISBN 90-277-1591-2. *Computer Physics Communications*, 34(3):333-334, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900104>.

Roberts:1987:EFC

- [Rob87a] Lee Roberts. Evaluation of the FPS-164 computer for high energy physics pattern recognition problems. *Computer Physics Communications*, 47(2-3):195-206, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901068>.

Robertson:1987:AAF

- [Rob87b] J. A. Robertson. Axisymmetric accretion flows in astrophysics. *Computer Physics Communications*, 44(3):279-288, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790083X>.

Romaya:1981:FSI

- [Rom81] A. M. Romaya. FORTRAN subset interpreter for a microprocessor gas control system. *Computer Physics Communications*, 22(2-3):307-309, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900655>.

Rossiter:1984:DMP

- [Ros84a] B. N. Rossiter. Data modelling and performance of data base systems. *Computer Physics Communications*, 33(1-3):13-21, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901024>.

Rossiter:1984:IDB

- [Ros84b] B. N. Rossiter. Introduction to data base management systems. *Computer Physics Communications*, 33(1–3):5–12, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901012>.

Rosencrans:1985:CHO

- [Ros85] S. I. Rosencrans. Computation of higher-order fluid symmetries using MACSYMA. *Computer Physics Communications*, 38(3):347–356, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590102X>.

Rous:1989:TLT

- [RP89a] P. J. Rous and J. B. Pendry. Tensor LEED I: a technique for high speed surface structure determination by low energy electron diffraction. TLEED1. *Computer Physics Communications*, 54(1):137–156, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900398>.

Rous:1989:TLI

- [RP89b] P. J. Rous and J. B. Pendry. Tensor LEED II: a technique for high speed surface structure determination by low energy electron diffraction. TLEED2. *Computer Physics Communications*, 54(1):157–166, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900404>.

Ranft:1984:MCP

- [RR84] J. Ranft and J. T. Routti. Monte Carlo programs for calculating three-dimensional high-energy (50 MeV–500 GeV) hadron cascades in matter. *Computer Physics Communications*, 35(1–3):C–249, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824856>.

Rao:1989:NFP

- [RRC89] K. Srinivasa Rao, V. Rajeswari, and Charles B. Chiu. A new Fortran program for the 9- j angular momentum coefficient.

Computer Physics Communications, 56(2):231–248, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900210>.

Romanowski:1988:DPE

- [RRG88] Hubert Romanowski, Mark A. Ratner, and R. B. Gerber. Determination of potential energy surfaces of linear triatomics from vibration-rotation spectra: An inversion method applied to CO₂. *Computer Physics Communications*, 51(1–2):161–171, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900690>.

Routti:1980:GPU

- [RS80] J. T. Routti and J. V. Sandberg. General purpose unfolding program LOUHI78 with linear and nonlinear regularizations. *Computer Physics Communications*, 21(1):119–144, December 1, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900818>.

Routti:1981:FPS

- [RS81] J. T. Routti and J. V. Sandberg. Fortran program *spall* for computing spallation reaction cross sections. *Computer Physics Communications*, 23(4):411–426, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901818>.

Ruden:1983:MCC

- [RS83] W. D. Ruden and R. M. Schectman. A Monte Carlo calculation of the dissociation of fast H₂⁺ ions traversing thin carbon foils. *Computer Physics Communications*, 28(4):355–366, February 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900334>.

Roberts:1984:PPP

- [RS84a] S. A. Roberts and Kenneth Smith. Pulsamp: a program to predict the amplification of nanosecond CO₂ laser light pulses. *Computer Physics Communications*, 35(1–3):C–407,

???? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826168>.

Routti:1984:FPS

- [RS84b] J. T. Routti and J. V. Sandberg. Fortran program spall for computing spallation reaction cross sections. *Computer Physics Communications*, 35(1-3):C-739, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828738>.

Routti:1984:GPU

- [RS84c] J. T. Routti and J. V. Sandberg. General purpose unfolding program LOUHI78 with linear and nonlinear regularizations. *Computer Physics Communications*, 35(1-3):C-655, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828155>.

Ruden:1984:MCC

- [RS84d] W. D. Ruden and R. M. Schectman. A Monte Carlo calculation of the dissociation of fast H_2^+ ions traversing thin carbon foils. *Computer Physics Communications*, 35(1-3):C-857, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829665>.

Rundgren:1984:LIC

- [RS84e] J. Rundgren and A. Salvén. Leed intensity curves by the layer-by-layer method and perturbation calculation. *Computer Physics Communications*, 35(1-3):C-252, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824881>.

Rundgren:1984:SCL

- [RS84f] J. Rundgren and A. Salvén. Symmetrization and calculation of LEED intensity patterns. *Computer Physics Communications*, 35(1-3):C-313, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825394>.

Rhoades:1985:EME

- [RS85] Clifford E. Rhoades, Jr. and K. G. Stevens, Jr. Early MIMD experience on the CRAY X-MP. *Computer Physics Communications*, 37(1-3):215-221, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901559>

Rosel:1984:QMC

- [RSA84] F. Rösel, J. X. Saladin, and K. Alder. Quantum mechanical coupled channels code for Coulomb excitation. *Computer Physics Communications*, 35(1-3):C-258-C-259, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824947>.

Rouse:1984:PCG

- [RSL⁺84] Robert J. Rouse, Jr., Gordon L. Struble, Robert G. Lanier, Lloyd G. Mann, and Edward S. Macias. A program for calculating gamma-gamma directional correlation coefficients and angular distribution coefficients for gamma rays of mixed multipolarities from partially aligned nuclei. *Computer Physics Communications*, 35(1-3):C-487-C-488, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482679X>.

Ramis:1988:MCC

- [RSMTV88] R. Ramis, R. Schmalz, and J. Meyer-Ter-Vehn. MULTI — a computer code for one-dimensional multigroup radiation hydrodynamics. *Computer Physics Communications*, 49(3):475-505, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900082>.

Robouch:1981:SPI

- [RSP81] B. V. Robouch, A. Sestero, and S. Podda. Simulation of photographic images on a plotter. *Computer Physics Communications*, 24(1):63-71, September/October 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901065>.

Robouch:1984:SPI

- [RSP84] B. V. Robouch, A. Sestero, and S. Podda. Simulation of photographic images on a plotter. *Computer Physics Communications*, 35(1-3):C-744, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828775>.

Reddaway:1985:VHS

- [RSS85] S. F. Reddaway, D. M. Scott, and K. A. Smith. A very high speed Monte Carlo simulation on DAP. *Computer Physics Communications*, 37(1-3):351-356, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901729>.

Rudge:1984:MVC

- [Rud84] M. R. H. Rudge. MRVAC — a variational correction method for solving differential equations with r^{-n} coupling. *Computer Physics Communications*, 34(1-2):187-197, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490170X>.

Ruehle:1989:GNS

- [Rue89] R. Ruehle. Graphics and networks at Stuttgart. *Computer Physics Communications*, 57(1-3):561, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902890>.

Ruffhead:1985:PPA

- [Ruf85] A. Ruffhead. Parallel processing applied to digital terrain matrices. *Computer Physics Communications*, 37(1-3):357-361, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901730>.

Runge:1989:HSN

- [Run89] K. Runge. A high speed network for HEP in germany. *Computer Physics Communications*, 57(1-3):452-454, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902610>.

Russell:1986:IUD

- [Rus86] J. E. Russell. Implementing and using the database management system. *Computer Physics Communications*, 41(2-3):393–395, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900780>.

Russell:1987:PLT

- [Rus87] J. J. Russell. Programming languages: Time for a change? *Computer Physics Communications*, 45(1-3):269–273, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901639>.

Rao:1984:NFP

- [RV84] K. Srinivasa Rao and K. Venkatesh. New Fortran programs for angular momentum coefficients. *Computer Physics Communications*, 35(1-3):C-498–C-499, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826855>.

Rosato:1981:WFO

- [RVD⁺81] E. Rosato, M. Vigilante, N. De Cesare, E. Perillo, and G. Spadaccini. Weighted fit by orthonormal polynomials. *Computer Physics Communications*, 22(2-3):311–315, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900667>.

Rand:1984:NSP

- [RW84] D. W. Rand and P. Winternitz. Nonlinear superposition principles: a new numerical method for solving matrix Riccati equations. *Computer Physics Communications*, 33(4):305–328, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490136X>.

Reid:1985:AFF

- [RW85] J. K. Reid and A. Wilson. The array features in FORTRAN 8x with examples of their use. *Computer Physics Communications*, 37(1–3):125–132, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901444>

Rand:1986:OMP

- [RW86] D. W. Rand and P. Winternitz. Odepainleve — a Macsyma package for Painlevé analysis of ordinary differential equations. *Computer Physics Communications*, 42(3):359–383, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900068>.

Radehaus:1985:SPC

- [RWK⁺85] Ch. Radehaus, M. Waldowski, K. Kardell, J. Berkemeier, M. Wiesemann, and H. G. Purwins. Special purpose computer for nonlinear differential equations. *Computer Physics Communications*, 36(4):345–350, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900232>.

Rand:1987:PP1a

- [RWZ87] D. W. Rand, P. Winternitz, and H. Zassenhaus. PASCAL programs for identification of Lie algebras. Part 2: SPLIT — a program to decompose parameter-free and parameter-dependent Lie algebras into direct sums. *Computer Physics Communications*, 46(2):297–309, August 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900063>.

Rynefors:1982:UPM

- [Ryn82] K. Rynefors. UNIMOL: a program for Monte Carlo simulation of RRKM unimolecular decomposition in molecular beam experiments. *Computer Physics Communications*, 27(2):201–212, August 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900741>.

Rynefors:1984:UPM

- [Ryn84] K. Rynefors. Unimol: a program for Monte Carlo simulation of RRKM unimolecular decomposition in molecular beam experiments. *Computer Physics Communications*, 35(1-3):C-817, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829343>.

Rysavy:1984:GGI

- [Rys84] M. Rysavý. GISP — gauss-integration subroutine pack. *Computer Physics Communications*, 32(2):191-199, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900705>.

Rysavy:1987:MSC

- [Rys87] M. Rysavý. MISHA — a system for calculations with arbitrary arithmetic precision. *Computer Physics Communications*, 47(2-3):351-359, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901202>.

Shestakov:1983:ISS

- [SA83] A. I. Shestakov and D. V. Anderson. ILUCG2: Subprograms for the solution of a linear asymmetric matrix equation arising from a 9-point discretization. *Computer Physics Communications*, 30(1):31-36, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901194>.

Shestakov:1984:ISS

- [SA84] A. I. Shestakov and D. V. Anderson. ILUCG2: Subprograms for the solution of a linear asymmetric matrix equation arising from a 9-point discretization. *Computer Physics Communications*, 35(1-3):C-891-C-892, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829951>.

Saad:1989:NSL

- [Saa89] Youcef Saad. Numerical solution of large nonsymmetric eigenvalue problems. *Computer Physics Communications*, 53(1–3): 71–90, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901495>. Practical iterative methods for large scale computations (Minneapolis, MN, 1988).

Succi:1986:CMW

- [SAC⁺86] S. Succi, K. Appert, W. Core, H. Hammén, T. Hellsten, and J. Vaclavik. Computational models for wave-particle interactions. *Computer Physics Communications*, 40(1):137–151, May 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901566>.

Schatz:1987:CSD

- [SAC87] George C. Schatz, B. Amaee, and J. N. L. Connor. The centrifugal sudden distorted wave method for calculating cross sections for chemical reactions: Angular distributions for $\text{Cl} + \text{HCl} \rightarrow \text{ClH} + \text{Cl}$. *Computer Physics Communications*, 47(1):45–53, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900658>.

Salvini:1982:NPC

- [Sal82] Stefano A. Salvini. A new program to calculate differential and total cross sections for electron-atom or ion scattering using the momentum transfer formalism. *Computer Physics Communications*, 27(1):25–37, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900042>.

Salustri:1983:PBS

- [Sal83a] Carlo Salustri. Parametrization of the band structure of FCC crystals. *Computer Physics Communications*, 30(3):271–275, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900954>.

Saly:1983:SBM

- [Sal83b] Rudolf Saly. Soliton bag model. *Computer Physics Communications*, 30(4):411–419, December 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900826>.

Salem:1984:CFF

- [Sal84a] M. Salem. Converter of Fortran format and data statements to standard form. *Computer Physics Communications*, 35(1–3):C–371, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825862>.

Salem:1984:IAS

- [Sal84b] M. Salem. ILTHII — analysis of the spectrum of a thermal radioastronomical source. *Computer Physics Communications*, 35(1–3):C–305, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825333>.

Salin:1984:CWF

- [Sal84c] A. Salin. Calculation of wave-functions and collision matrix elements for one-electron diatomic molecules. *Computer Physics Communications*, 35(1–3):C–456–C–457, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826594>.

Salustri:1984:PBS

- [Sal84d] Carlo Salustri. Parametrization of the band structure of FCC crystals. *Computer Physics Communications*, 35(1–3):C–916, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830155>.

Salvini:1984:NPC

- [Sal84e] Stefano A. Salvini. A new program to calculate differential and total cross sections for electron-atom or ion scattering using the momentum transfer formalism. *Computer Physics Communications*, 35(1–3):C–801, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829227>.

Saly:1984:SBM

- [Sal84f] Rudolf Saly. Soliton bag model. *Computer Physics Communications*, 35(1-3):C-927, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830258>.

Saly:1985:MCS

- [Sal85] Rudolf Saly. Monte Carlo simulation of lattice Skyrme model. *Computer Physics Communications*, 36(4):417-422, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900311>.

Salvat:1987:ARS

- [Sal87] Francesc Salvat. Algorithms for random sampling from single-variate distributions. *Computer Physics Communications*, 46(3):427-436, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900968>.

Sameh:1985:SPA

- [Sam85] A. Sameh. On some parallel algorithms on a ring of processors. *Computer Physics Communications*, 37(1-3):159-166, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901481>.

Sansoni:1982:HMC

- [San82] A. Sansoni. Hevol2: a Monte Carlo program to calculate the evolution of structure functions with the inclusion of next to leading order effects. *Computer Physics Communications*, 27(4):403-414, October 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901011>.

Sansoni:1984:HMC

- [San84] A. Sansoni. Hevol2: a Monte Carlo program to calculate the evolution of structure functions with the inclusion of next to leading order effects. *Computer Physics*

Communications, 35(1-3):C-826-C-827, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829410>.

Saraph:1984:CSR

- [Sar84a] H. E. Saraph. Collision strengths from reactance matrices. *Computer Physics Communications*, 35(1-3):C-29, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822973>.

Saraph:1984:FSCa

- [Sar84b] H. E. Saraph. Fine structure cross sections from reactance matrices. *Computer Physics Communications*, 35(1-3):C-139, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823930>.

Saraph:1984:FSCb

- [Sar84c] H. E. Saraph. Fine structure cross sections from reactance matrices — a more versatile development of the program JA-JOM. *Computer Physics Communications*, 35(1-3):C-501, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826879>.

Saraph:1987:POS

- [Sar87] H. E. Saraph. PHOTUC: Oscillator strengths and photoionization cross sections from close coupling wave functions. *Computer Physics Communications*, 46(1):107-127, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900397>.

Saulys:1985:BMS

- [Sau85] Alfred C. Saulys. The BNL multiparticle spectrometer software. *Computer Physics Communications*, 38(2):319-322, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900979>.

Sauter:1987:NMC

- [SAVV87] O. Sauter, K. Appert, L. Villard, and J. Vaclavik. Numerical modelling of the cold ion-ion hybrid resonance. *Computer Physics Communications*, 46(2):205–208, August 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900014>.

Saxena:1984:ANVb

- [Sax84a] K. M. S. Saxena. Adaptation of the new version of the reduced matrix elements (AAKP) program: Inclusion of the checking of the input data. *Computer Physics Communications*, 35(1–3):C–518, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827009>.

Saxena:1984:ANVa

- [Sax84b] K. M. S. Saxena. Adaptation of the new version of the reduced tensor matrix elements (AAKP) program: Inclusion of the evaluation of matrix elements of tensor products. *Computer Physics Communications*, 35(1–3):C–431, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826405>.

Saxena:1984:NVA

- [Sax84c] K. M. S. Saxena. A new version of AAKL (the matrix elements of spin-orbit interaction) adapted to spectroscopic notation. *Computer Physics Communications*, 35(1–3):C–424, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826338>.

Scott:1982:CMA

- [SB82] N. S. Scott and P. G. Burke. Calculation of R -matrix angular integrals on the Cray-1. *Computer Physics Communications*, 26(3–4):419–421, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901370>.

Sjostrand:1987:LMC

- [SB87] Torbjörn Sjöstrand and Mats Bengtsson. The Lund Monte Carlo for jet fragmentation and e^+e^- physics — jetset ver-

sion 6.3 — an update. *Computer Physics Communications*, 43 (3):367–379, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900543> ■

Sendall:1989:MSS

- [SBB⁺89] D. M. Sendall, C. Boissat, W. Bozzoli, P. Burkimsher, R. Jones, J-P. Matheys, G. Mornacchi, T. Nguyen, P. Vande Vyvre, A. Vascotto, and D. Weaver. Model: a software suite for data acquisition. *Computer Physics Communications*, 57(1–3):343–347, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902403>.

Shoucri:1987:ASP

- [SBFI87] M. Shoucri, P. Bertrand, M. R. Feix, and B. Izrar. The application of shape preserving splines for the modified Korteweg–de Vries equation. *Computer Physics Communications*, 46(1):1–5, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900324>.

Schnack:1986:NSR

- [SBM⁺86] D. D. Schnack, D. C. Barnes, Z. Mikic, D. S. Harned, E. J. Caramana, and R. A. Nebel. Numerical simulation of reversed-field pinch dynamics. *Computer Physics Communications*, 43(1):17–28, December 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900512> ■

Shipman:1984:HSE

- [SC84] L. L. Shipman and R. E. Christoffersen. High speed evaluation of $F_0(x)$. *Computer Physics Communications*, 35(1–3):C–83, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823450>.

Schneider:1989:DIV

- [SC89] B. I. Schneider and L. A. Collins. A direct iterative-variational method for solving large sets of linear algebraic equations. *Computer Physics Communications*, 53(1–3):381–392, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901744>.

Sobottka:1988:FAI

- [SCC⁺88] S. E. Sobottka, R. J. Chandross, G. G. Cornick, B. D. Justice, R. S. Stewart, and J. A. Thomas. Fast algorithm for identifying clusters in digitized images. *Computer Physics Communications*, 51(3):295–299, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901427>.

Seijo:1986:APA

- [SCF86] Luis Seijo, Brant Coghlan, and Serafin Fraga. Association of proteins: Adaptation and coupling of two available programs. *Computer Physics Communications*, 41(1):169–177, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900275>.

Schmalz:1981:HTE

- [Sch81] R. Schmalz. High β and toroidal effects in three dimensions. *Computer Physics Communications*, 24(3–4):421–425, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901661>.

Schrage:1982:ABA

- [Sch82a] Martin H. Schrage. Architectural barriers to array processor efficiency and their analysis. *Computer Physics Communications*, 26(3–4):353–355, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290128X>.

Schwarz:1982:RPD

- [Sch82b] Fritz Schwarz. A REDUCE package for determining Lie symmetries of ordinary and partial differential equations. *Computer Physics Communications*, 27(2):179–186, August 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900728>.

Schmalz:1983:HTE

- [Sch83] R. F. Schmalz. High- β and toroidal effects on the internal kink mode in tokamaks. *Computer Physics Communications*, 30(2):139–150, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900565>.

Schorr:1984:PLV

- [Sch84a] B. Schorr. Programs for the Landau and the Vavilov distributions and the corresponding random numbers. *Computer Physics Communications*, 35(1–3):C-239–C-240, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824789>.

Schwarz:1984:LSK

- [Sch84b] Fritz Schwarz. Lie symmetries of the von Kármán equations. *Computer Physics Communications*, 31(1):113–114, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900869>.

Schwarz:1984:RPD

- [Sch84c] Fritz Schwarz. A reduce package for determining lie symmetries of ordinary and partial differential equations. *Computer Physics Communications*, 35(1–3):C-815, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482932X>.

Schwenn:1984:FVD

- [Sch84d] U. Schwenn. Fourier versus difference methods in computing three-dimensional MHD equilibria. *Computer Physics Communications*, 31(2–3):167–199, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900444>.

Schnupp:1985:SL

- [Sch85a] Peter Schnupp. Specification languages. *Computer Physics Communications*, 38(2):173–179, October/November 1985.

CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900839>.

Schrijver:1985:PDM

- [Sch85b] H. Schrijver. Profiling and debugging in modern programming languages. *Computer Physics Communications*, 38(2):289–293, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590092X>.

Schwandt:1985:NLI

- [Sch85c] Hartmut Schwandt. Newton-like interval methods for large nonlinear systems of equations on vector computers. *Computer Physics Communications*, 37(1–3):223–232, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901560>.

Schnack:1986:BRB

- [Sch86a] Dalton D. Schnack. Book review: *Numerical simulation of plasmas*: Y. N. Dnestrovskii and D. P. Kostomarov, Springer Series in Computational Physics, Springer-Verlag, Berlin, 1986. 304 pages. DM 169. *Computer Physics Communications*, 42(3):441–442, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900123>.

Schoitsch:1986:SEA

- [Sch86b] Erwin Schoitsch. Software engineering aspects of real-time programming concepts. *Computer Physics Communications*, 41(2–3):327–361, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900743>.

Schwarz:1986:CPD

- [Sch86c] Fritz Schwarz. Comments on the program `dissys`: First integrals for π -systems. *Computer Physics Communications*, 42(1):27, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902262>.

Schwarz:1986:RPD

- [Sch86d] Fritz Schwarz. A REDUCE package for determining first integrals of autonomous systems of ordinary differential equations. *Computer Physics Communications*, 39(2):285–296, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901384>.

Schilling:1987:LQC

- [Sch87a] K. Schilling. Lattice QCD — a challenge in large scale computing. *Computer Physics Communications*, 44(3):261–269, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900816>.

Schneider:1987:RBC

- [Sch87b] T. Schneider. Relationship between classical diffusion in random media and quantum localization. *Computer Physics Communications*, 44(3):307–308, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900865>.

Schatz:1988:PDP

- [Sch88a] George C. Schatz. A program for determining primitive semiclassical eigenvalues for vibrating/rotating nonlinear triatomic molecules. *Computer Physics Communications*, 51(1–2):135–147, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900677>.

Schoitsch:1988:SSSa

- [Sch88b] Erwin Schoitsch. Software safety and software quality assurance in real-time applications: Part 1. Software quality assurance and software safety (concepts and standardization efforts). *Computer Physics Communications*, 50(1–2):169–188, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901245>.

Schoitsch:1988:SSSb

- [Sch88c] Erwin Schoitsch. Software-safety and software quality assurance in real-time applications: Part 2: Real-time structures and languages. *Computer Physics Communications*, 50(1–2):189–211, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901257>.

Schaile:1989:DGT

- [Sch89a] Otto Schaile. DZDISP: a graphics tool to interact with ZEBRA data structures. *Computer Physics Communications*, 57(1–3):528–531, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902804>.

Schilling:1989:GD

- [Sch89b] Peter K. Schilling. Graphics at DESY. *Computer Physics Communications*, 57(1–3):443–446, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902592>.

Schoen:1989:SSM

- [Sch89c] Martin Schoen. Structure of a simple molecular dynamics FORTRAN program optimized for Cray vector processing computers. *Computer Physics Communications*, 52(2):175–185, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900027>.

Sciutto:1989:PPP

- [Sci89] S. J. Sciutto. Polyfit — a package for polynomial fitting. *Computer Physics Communications*, 52(3):427–442, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901173>.

Scott:1989:ILL

- [Sco89] David S. Scott. Implementing Lanczos-like algorithms on hypercube architectures. *Computer Physics Communications*, 53(1–3):271–281, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901653>.

Spadaccini:1988:MSL

- [SdAD⁺88] G. Spadaccini, R. de Asmundis, A. D'Onofrio, M. Romano, and F. Terrasi. A multiprocessor system for on-line data acquisition, handling and display. *Computer Physics Communications*, 50(1-2):263-267, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890135X>.

Sheldon:1984:SFI

- [SDH84] E. Sheldon, D. R. Donati, and H. R. Hiddleston. 'MIA', a Fortran-IV program for making spin and parity assignments to high-lying single and coherent twin nuclear levels from (alpha, nucleon) angular distributions in on-resonance, compound-nuclear, channel-spin-1/2 reactions. *Computer Physics Communications*, 35(1-3):C-274-C-275, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825060>.

Seaton:1982:CFA

- [Sea82] M. J. Seaton. Coulomb functions analytic in the energy. *Computer Physics Communications*, 25(1):87-95, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900479>.

Sears:1984:APD

- [Sea84a] Trevor J. Sears. ASYTOP — a program for detailed analysis of gas phase magnetic resonance spectra of asymmetric top molecules. *Computer Physics Communications*, 34(1-2):123-133, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901644>.

Seaton:1984:AIJ

- [Sea84b] M. J. Seaton. The accuracy of iterated JWBK approximations for Coulomb radial wave functions. *Computer Physics Communications*, 32(2):115-119, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490064X>.

Seaton:1984:CFA

- [Sea84c] M. J. Seaton. Coulomb functions analytic in the energy. *Computer Physics Communications*, 35(1-3):C-771, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828994>.

Saulys:1989:MDA

- [SEF⁺89] A. C. Saulys, A. Etkin, K. J. Foley, R. W. Hackenburg, R. S. Longcre, W. A. Love, T. W. Morris, E. D. Platner, S. J. Lindenbaum, C. S. Chan, and M. A. Kramer. MPS data-acquisition software system. *Computer Physics Communications*, 57(1-3):353-357, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902427>.

Seiler:1984:PCF

- [Sei84] F. Seiler. A program calculating the formulae for polarization effects in nuclear reactions. *Computer Physics Communications*, 35(1-3):C-221, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824613>.

Shayler:1984:RRF

- [SF84a] P. J. Shayler and M. T. C. Fang. Radial radiative flux in cylindrically symmetric arcs. *Computer Physics Communications*, 35(1-3):C-527, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827083>.

Sutherland:1984:CCC

- [SF84b] D. C. Sutherland and W. G. Ferrier. Coulomb coefficients for complex ionic crystals. *Computer Physics Communications*, 35(1-3):C-396, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826077>.

Shoucri:1987:AFE

- [SFB87] M. Shoucri, V. Fuchs, and A. Bers. The application of the finite element library TWODEPEP for the numerical

solution of the relativistic Fokker–Planck equation. *Computer Physics Communications*, 46(3):337–344, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900907>.

Seijo:1986:ML

- [SFP86] L. Seijo, M. Flórez, and L. Pueyo. Matrix linearization. *Computer Physics Communications*, 42(1):127–136, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902377>.

Scott:1981:ISM

- [SG81] D. S. Scott and R. Gruber. Implementing sparse matrix techniques in the *erato* code. *Computer Physics Communications*, 23(2):115–121, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900254>.

Saunders:1982:ACQ

- [SG82] V. R. Saunders and M. F. Guest. Applications of the Cray-1 for quantum chemistry calculations. *Computer Physics Communications*, 26(3–4):389–395, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901333>.

Sheldon:1983:PCS

- [SG83] E. Sheldon and R. H. Giles. Programs ‘CELESTE’ and ‘STELLA’ for computations in special relativity: Evaluation of the celestial view from an interstellar spacecraft. *Computer Physics Communications*, 29(3):269–285, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900073>.

Schulten:1984:REC

- [SG84a] K. Schulten and R. G. Gordon. Recursive evaluation of 3 j and 6 j coefficients. *Computer Physics Communications*, 35(1–3):C-377–C-379, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825928>.

Sheldon:1984:PCS

- [SG84b] E. Sheldon and R. H. Giles. Programs ‘celeste’ and ‘stella’ for computations in Special Relativity: Evaluation of the celestial view from an interstellar spacecraft. *Computer Physics Communications*, 35(1-3):C-881, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829847>.

Sotona:1984:GTB

- [SG84c] M. Sotona and M. Gmitro. Generalized transformation brackets for the harmonic oscillator functions. *Computer Physics Communications*, 35(1-3):C-122, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823802>.

Smith:1989:DBC

- [SG89] Kenneth Smith and Alan H. Glasser. Data base of cross sections and reaction rates for hydrogen ion sources. *Computer Physics Communications*, 54(2-3):391-407, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558900994>.

Schastok:1989:EPG

- [SGS+89] J. Schastok, H. Gleixner, M. Soffel, H. Ruder, and M. Schneider. The ephemeris program GLE200. *Computer Physics Communications*, 54(1):167-170, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558900416>.

Scott:1982:MEV

- [SH82] N. S. Scott and A. Hibbert. A more efficient version of the weights and NJSYM packages. *Computer Physics Communications*, 28(2):189-200, December 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900546>.

Scott:1984:MEV

- [SH84] N. S. Scott and A. Hibbert. A more efficient version of the `weights` and `Njsym` packages. *Computer Physics Communications*, 35(1-3):C-844-C-845, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829537>.

Shapiro:1984:AS

- [Sha84] Joel Shapiro. Arbitrary $3n-j$ symbols for $SU(2)$. *Computer Physics Communications*, 35(1-3):C-25, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822924>.

Shally:1987:CNL

- [Sha87] Rudolph Shally. Constrained nonlinear least squares fitting. *Computer Physics Communications*, 46(3):437-443, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790097X>.

Shestakov:1984:AIF

- [She84] Aleksei I. Shestakov. Application of the implicit fourier-expansion method to the calculation of three-dimensional equilibria by the iterative method. *Computer Physics Communications*, 31(2-3):227-233, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490047X>.

Shorer:1981:MDD

- [Sho81] P. Shorer. R -matrix dynamic dipole polarizabilities. *Computer Physics Communications*, 22(4):467-472, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901430>.

Shorer:1984:MDD

- [Sho84] P. Shorer. R -matrix dynamic dipole polarizabilities. *Computer Physics Communications*, 35(1-3):C-698-C-699, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828477>.

Shumaker:1987:EAP

- [Shu87] D. E. Shumaker. EIV: Axisymmetric plasma equilibrium code. *Computer Physics Communications*, 44(1-2):177-196, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900269>.

Silver:1984:DMBa

- [Sil84a] David M. Silver. Diagrammatic many-body perturbation expansion for atoms and molecules: I. general organization. *Computer Physics Communications*, 35(1-3):C-448-C-449, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826545>.

Silver:1984:DMBb

- [Sil84b] David M. Silver. Diagrammatic many-body perturbation expansion for atoms and molecules: II. second-order and third-order ladder energies. *Computer Physics Communications*, 35(1-3):C-450-C-451, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826557>.

Simunek:1980:GRM

- [Sim80] A. Simunek. Gilat-Raubenheimer method for k -space integration. *Computer Physics Communications*, 20(3):349-352, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900156>.

Simunek:1984:GRM

- [Sim84] A. Simunek. Gilat — raubenheimer method for k -space integration. *Computer Physics Communications*, 35(1-3):C-640, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828015>.

Sinfailam:1984:ESC

- [Sin84] A. L. Sinfailam. Electron scattering by closed shell diatomic molecules. *Computer Physics Communications*, 35(1-3):C-52, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823176>.

Sjostrand:1982:LMC

- [Sjö82] Torbjörn Sjöstrand. The lund Monte Carlo for jet fragmentation. *Computer Physics Communications*, 27(3):243-284, September 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901758>.

Sjostrand:1983:LMC

- [Sjö83] Torbjörn Sjöstrand. The lund Monte Carlo for e^+e^- jet physics. *Computer Physics Communications*, 28(3):229-254, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900413>.

Sjostrand:1984:LMCb

- [Sjö84a] Torbjörn Sjöstrand. The Lund Monte Carlo for e^+e^- jet physics. *Computer Physics Communications*, 35(1-3):C-848, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829574>.

Sjostrand:1984:LMCa

- [Sjö84b] Torbjörn Sjöstrand. The Lund Monte Carlo for jet fragmentation. *Computer Physics Communications*, 35(1-3):C-820, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829367>.

Sjostrand:1986:LMC

- [Sjö86] Torbjörn Sjöstrand. The Lund Monte Carlo for jet fragmentation and e^+e^- physics — jetset version 6.2. *Computer Physics Communications*, 39(3):347-407, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900962>.

Spalburg:1982:PSS

- [SK82] M. R. Spalburg and U. C. Klomp. A program to solve a set of linear coupled differential equations describing a collision process with several electronic and vibrational degrees of freedom. *Computer Physics Communications*, 28(2):207–215, December 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290056X>.

Spalburg:1984:PSS

- [SK84] M. R. Spalburg and U. C. Klomp. A program to solve a set of linear coupled differential equations describing a collision process with several electronic and vibrational degrees of freedom. *Computer Physics Communications*, 35(1–3):C–847, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829550>.

Skouras:1986:GFP

- [SK86] L. D. Skouras and S. Kossionides. Generalized fractional parentage coefficients for shell-model calculations. *Computer Physics Communications*, 39(2):197–212, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901311>.

Skala:1981:GSA

- [Ská81] Lubomír Skála. Generation of symmetry-adapted functions for molecular calculations. *Computer Physics Communications*, 24(2):135–140, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900874>.

Skarda:1982:MLB

- [Ska82] V. Skarda. Microprocessor- and LSI-based CAMAC RAM controllers in a modular multiparameter instrumentation system. *Computer Physics Communications*, 26(1–2):99–111, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558290162X>.

Skála:1984:GSA

- [Ská84] Lubomír Skála. Generation of symmetry-adapted functions for molecular calculations. *Computer Physics Communications*, 35(1–3):C–752, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828830>.

Skoog:1984:NEL

- [Sko84] R. Skoog. Nuclear energy loss and scattering of ions penetrating thin layers of matter. *Computer Physics Communications*, 35(1–3):C–254, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482490X>.

Skotniczny:1989:QFU

- [Sko89] Zbigniew Skotniczny. Query by forms: User-oriented relational database retrieving system and its application in analysis of experiment data. *Computer Physics Communications*, 57(1–3):225–230, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902178>.

Spagna:1983:DRT

- [SL83] George F. Spagna, Jr. and Chun Ming Leung. DUSTCD: a radiative transport code for spherically symmetric dust clouds. *Computer Physics Communications*, 28(4):337–353, February 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900322>.

Spagna:1984:DRT

- [SL84] George F. Spagna, Jr. and Chun Ming Leung. Dusted: a radiative transport code for spherically symmetric dust clouds. *Computer Physics Communications*, 35(1–3):C–856, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829653>.

Shaub:1984:CSP

- [SLH84] W. M. Shaub, S. Lemont, and A. B. Harvey. Cars spectral profiles for homonuclear diatomic molecules. *Computer Physics Communications*, 35(1–3):C–520–C–521, ???

1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827022>.

Sliwa:1989:CEP

- [Sli89] Krzysztof Sliwa. CDF's experience with a parallel architecture multiprocessor system — ACP. *Computer Physics Communications*, 57(1–3):407–412, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990252X>.

Soto:1981:CGT

- [SM81a] M. F. Soto, Jr. and R. Mirman. Computation of group tables for the symmetric groups. *Computer Physics Communications*, 23(1):81–93, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901314>.

Soto:1981:CSG

- [SM81b] M. F. Soto, Jr. and R. Mirman. Construction of symmetric group representation matrices and states. *Computer Physics Communications*, 23(1):95–107, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901326>.

Soto:1982:NRM

- [SM82] M. F. Soto, Jr. and R. Mirman. Number of representations and maximum dimensions for $S(N)$. *Computer Physics Communications*, 27(1):57–64, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900078>.

Savelli:1984:CCC

- [SM84a] C. Savelli and M. Morando. Carla: a code to calculate the population of high spin states through compound nucleus reactions. *Computer Physics Communications*, 35(1–3):C–505, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826909>.

Schindler:1984:FTF

- [SM84b] Susan Schindler and R. Mirman. Functions on tableaux and frames of the symmetric group. *Computer Physics Communications*, 35(1-3):C-493, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482682X>.

Schindler:1984:GCG

- [SM84c] Susan Schindler and R. Mirman. Generation of the Clebsch-Gordan coefficients for S_n . *Computer Physics Communications*, 35(1-3):C-490-C-492, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826818>.

Soto:1984:CGT

- [SM84d] M. F. Soto, Jr. and R. Mirman. Computation of group tables for the symmetric groups. *Computer Physics Communications*, 35(1-3):C-705-C-706, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828520>.

Soto:1984:CSG

- [SM84e] M. F. Soto, Jr. and R. Mirman. Construction of symmetric group representation matrices and states. *Computer Physics Communications*, 35(1-3):C-707-C-710, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828532>.

Soto:1984:NRM

- [SM84f] M. F. Soto, Jr. and R. Mirman. Number of representations and maximum dimensions for $S(N)$. *Computer Physics Communications*, 35(1-3):C-806, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829252>.

Simpson:1985:RTS

- [SM85a] P. Simpson and B. C. Merrifield. Real time signal processing applications of a distributed array processor. *Computer*

Physics Communications, 37(1–3):133–140, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901456>.

Soto:1985:CUG

- [SM85b] M. F. Soto, Jr. and R. Mirman. Computation of unitary group representation matrices. *Computer Physics Communications*, 34(4):357–363, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900645>.

Soto:1985:CCS

- [SM85c] M. F. Soto, Jr. and R. Mirman. Construction of canonical states of unitary groups. *Computer Physics Communications*, 34(4):347–355, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900633>.

Soto:1985:ICU

- [SM85d] M. F. Soto, Jr. and R. Mirman. Invariants and commutators for unitary group representations. *Computer Physics Communications*, 34(4):365–370, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900657>.

Soto:1985:NSU

- [SM85e] M. F. Soto, Jr. and R. Mirman. Number of states of unitary group representations. *Computer Physics Communications*, 34(4):339–345, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900621>.

Soto:1985:RAP

- [SM85f] M. F. Soto, Jr. and R. Mirman. Remark on algorithm perm. *Computer Physics Communications*, 34(4):337–338, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558590061X>.

Sullivan:1986:EAB

- [SM86] Francis Sullivan and Raymond D. Mountain. An efficient algorithm for the Brownian dynamics simulation of aggregation. *Computer Physics Communications*, 42(1):43–49, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902298>.

Serzu:1989:DMF

- [SM89a] Mulugeta H. Serzu and Wooil M. Moon. DIP-moveout by Fourier transform. *Computer Physics Communications*, 52(3):337–344, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901094>.

Serzu:1989:TDF

- [SM89b] Mulugeta H. Serzu and Wooil M. Moon. Two dimensional fast Fourier transform for large data matrices. *Computer Physics Communications*, 52(3):333–336, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901082>.

Silvester:1981:TFE

- [SMC81] Peter P. Silvester, F. U. Minhas, and Z. J. Csendes. Tetrahedral finite element matrix primitives. *Computer Physics Communications*, 24(2):173–179, November 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900904>.

Silvester:1984:TFE

- [SMC84] Peter P. Silvester, F. U. Minhas, and Z. J. Csendes. Tetrahedral finite element matrix primitives. *Computer Physics Communications*, 35(1–3):C-756, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828866>.

Sheldon:1984:CTDb

- [SMD84] E. Sheldon, S. Mathur, and D. Donati. Computation of total, differential and double-differential cross sections for compound

nuclear reactions of the type (a, b) , $(a, b\gamma)$ and $(a, b\gamma - \gamma)$. (III) Fortran translations of the Algol programs 'mandy' and 'barbara'. *Computer Physics Communications*, 35(1-3):C-91-C-93, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823528>.

Smith:1984:STM

- [Smi84a] Kenneth Smith. SUBMMW: a theoretical model to predict CW sub-millimeter wave laser performance. *Computer Physics Communications*, 35(1-3):C-483-C-484, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826776>.

Smith:1984:HFN

- [Smi84b] William R. Smith. Hauser-Feshbach nuclear scattering subroutine liana. *Computer Physics Communications*, 35(1-3):C-20-C-21, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822894>.

Smith:1984:NBS

- [Smi84c] William R. Smith. Nuclear bound state wave functions subroutine. *Computer Physics Communications*, 35(1-3):C-10, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822808>.

Smith:1984:NES

- [Smi84d] William R. Smith. Nuclear elastic scattering program with parameter search. *Computer Physics Communications*, 35(1-3):C-23-C-24, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822912>.

Smith:1984:NPP

- [Smi84e] William R. Smith. Nuclear penetrability and phase shift subroutine. *Computer Physics Communications*, 35(1-3):C-14, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822845>.

Smith:1984:PSS

- [Smi84f] William R. Smith. Parameter search subroutine. *Computer Physics Communications*, 35(1-3):C-17, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822869>.

Scott:1989:RMP

- [SMM89] T. C. Scott, R. A. Moore, and M. B. Monagan. Resolution of many particle electrodynamics by symbolic manipulation. *Computer Physics Communications*, 52(2):261-281, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/00104655890009X>.

Salvat:1986:MCP

- [SMMP86] F. Salvat, J. D. Martinez, R. Mayol, and J. Parellada. A Monte Carlo program to simulate the penetration and energy loss of keV electrons through matter. *Computer Physics Communications*, 42(1):93-104, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902341>.

Scott:1987:PCR

- [SMR87] N. S. Scott, P. Milligan, and H. W. C. Riley. The parallel computation of Racah coefficients using transputers. *Computer Physics Communications*, 46(1):83-98, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900373>.

Sutcliffe:1988:ECA

- [SMT88] B. T. Sutcliffe, S. Miller, and J. Tennyson. An effective computational approach to the calculation of the vibration-rotation spectra of triatomic molecules. *Computer Physics Communications*, 51(1-2):73-82, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890063X>.

Savoy-Navarro:1984:UDB

- [SN84] A. Savoy-Navarro. Use of a data base in the on-line environment of a large-scale high-energy physics experiment. *Computer Physics Communications*, 33(1-3):173-195, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901206>.

Schmid:1980:VPC

- [SNC80] G. Bruno Schmid, D. W. Norcross, and L. A. Collins. VLAM, a program for computing the electron-molecule static interaction potential from a Legendre expansion of the molecular charge density. *Computer Physics Communications*, 21(1):79-90, December 1, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900776>.

Schmid:1984:VPC

- [SNC84] G. Bruno Schmid, D. W. Norcross, and L. A. Collins. VLAM, a program for computing the electron-molecule static interaction potential from a Legendre expansion of the molecular charge density. *Computer Physics Communications*, 35(1-3):C-651, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828118>.

Snelling:1985:HAR

- [Sne85] David F. Snelling. HEP applications: Real time flight simulation. *Computer Physics Communications*, 37(1-3):261-271, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901614>.

Salamon:1988:SAC

- [SNH+88] Peter Salamon, James D. Nulton, John R. Harland, Jacob Pedersen, George Ruppeiner, and Luby Liao. Simulated annealing with constant thermodynamic speed. *Computer Physics Communications*, 49(3):423-428, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900033>.

Sonnerup:1988:TSS

- [Son88] B. U. Ö. Sonnerup. On the theory of steady state reconnection. *Computer Physics Communications*, 49(1):143–159, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902226>.

Saldin:1986:CED

- [SP86] D. K. Saldin and J. B. Pendry. Calculation of elastic diffuse LEED intensities from disordered adsorbates. *Computer Physics Communications*, 42(3):399–415, November 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900081>.

Saldin:1987:CRE

- [SP87] D. K. Saldin and J. B. Pendry. Calculation of the renormalised electron scattering matrix of a molecule adsorbed on a crystal surface. *Computer Physics Communications*, 46(1):129–140, July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900403>.

Sphicas:1987:UES

- [Sph87] P. A. Sphicas. UA1 experience with 3081/E systems. *Computer Physics Communications*, 45(1–3):339–343, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901718>.

Singer:1988:BOD

- [SPM+88] C. E. Singer, D. E. Post, D. R. Mikkelsen, M. H. Redi, A. McKenney, A. Silverman, F. G. P. Seidl, P. H. Rutherford, R. J. Hawryluk, W. D. Langer, L. Foote, D. B. Heifetz, W. A. Houlberg, M. H. Hughes, R. V. Jensen, G. Lister, and J. Ogden. Baldur: a one-dimensional plasma transport code. *Computer Physics Communications*, 49(2):275–398, May 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900124>.

Sheldon:1984:CTDc

- [SR84a] E. Sheldon and V. C. Rogers. Computation of total and differential cross section for compound nuclear reactions of the type (a, a) , (a, a') , (a, b) , (a, γ) , $(a, \gamma - \gamma)$, $(a, b\gamma)$, and $(a, b\gamma - \gamma)$ (IV) Fortran program 'CINDY'. *Computer Physics Communications*, 35(1-3):C-212-C-213, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824558>.

Sokolovsk:1984:CPS

- [SR84b] T. D. Sokolovsk and L. A. Rogoschenko. Computation of phonon spectrum from the cold neutron incoherent inelastic scattering by a polycrystal. *Computer Physics Communications*, 35(1-3):C-439, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826478>.

Smith:1985:VHP

- [SRS85] K. A. Smith, S. F. Reddaway, and D. M. Scott. Very high performance pseudo-random number generation on DAP. *Computer Physics Communications*, 37(1-3):239-244, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901584>.

Schluter:1981:ESS

- [SS81] Arnulf Schlüter and Ulrich Schwenn. Equilibrium and stability studies with the 3D MHD code tube. *Computer Physics Communications*, 24(3-4):263-300, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190151X>.

Samuel:1984:CEQ

- [SS84a] M. Samuel and U. Smilansky. Calculation of electric quadrupole radial matrix elements for Coulomb excitation. *Computer Physics Communications*, 35(1-3):C-113, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482370X>.

Sheldon:1984:CTDa

- [SS84b] Eric Sheldon and Richard Michael Strang. Computation of total, differential, and double-differential cross sections for compound nuclear reactions of the type (a, b) , $(a, b\gamma)$ and $(a, b\gamma - \gamma)$ (II) generalized programs “mandy” and “barbara” for arbitrary angular momenta in Hauser–Feshbach–Moldauer formalism. *Computer Physics Communications*, 35(1–3):C–7–C–8, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482278X>.

Smend:1984:FFP

- [SS84c] F. Smend and M. Schumacher. Form factor program for Rayleigh scattering of gamma rays by bound electrons. *Computer Physics Communications*, 35(1–3):C–253, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824893>.

Smend:1984:NRF

- [SS84d] F. Smend and M. Schumacher. Non-relativistic form factor program for Compton scattering of gamma rays by bound electrons. *Computer Physics Communications*, 35(1–3):C–386, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825990>.

Sawaryn:1989:CAM

- [SS89] Andrzej Sawaryn and W. Andrzej Sokalski. Cumulative atomic multipole moments and point charge models describing molecular charge distribution. *Computer Physics Communications*, 52(3):397–408, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901148>.

Shoucri:1989:QFP

- [SSF⁺89] M. Shoucri, I. Shkarofsky, V. Fuchs, K. Kupfer, A. Bers, and S. Luckhardt. A quasilinear Fokker–Planck code for the numerical solution of the lower-hybrid current-drive problem in the presence of electron cyclotron heating. *Computer*

Physics Communications, 55(3):253–268, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901240>.

Schonauer:1985:DPS

- [SSM85] W. Schönauer, E. Schnepf, and H. Müller. Designing PDE software for vector computers as a “data flow algorithm”. *Computer Physics Communications*, 37(1–3):233–237, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901572>.

Schaupp:1984:RSC

- [SSS84] D. Schaupp, M. Schumacher, and F. Smend. Rayleigh self-consistent relativistic form factors and modified form factors. *Computer Physics Communications*, 32(4):413–419, July 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900572>.

Salvini:1981:VED

- [ST81] S. A. Salvini and D. G. Thompson. The vibrational excitation of diatomic molecules by electron impact. *Computer Physics Communications*, 22(1):49–58, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900783>.

Scott:1982:GPC

- [ST82a] N. S. Scott and K. T. Taylor. A general program to calculate atomic continuum processes incorporating model potentials and the Breit–Pauli Hamiltonian within the *R*-matrix method. *Computer Physics Communications*, 25(4):347–387, April 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900765>.

Sullivan:1982:NIM

- [ST82b] E. C. Sullivan and A. Temkin. A non-iterative method for solving PDE’s arising in electron scattering. *Computer Physics Communications*, 25(1):97–110, January 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900480>.

Salvini:1984:VED

- [ST84a] S. A. Salvini and D. G. Thompson. The vibrational excitation of diatomic molecules by electron impact. *Computer Physics Communications*, 35(1-3):C-684, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828350>.

Schwenke:1984:OQS

- [ST84b] David W. Schwenke and Donald G. Truhlar. An optimized quadrature scheme for matrix elements over the eigenfunctions of general anharmonic potentials. *Computer Physics Communications*, 34(1-2):57-66, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901590>.

Scott:1984:GPC

- [ST84c] N. S. Scott and K. T. Taylor. A general program to calculate atomic continuum processes incorporating model potentials and the Breit-Pauli Hamiltonian within the R -matrix method. *Computer Physics Communications*, 35(1-3):C-794-C-797, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829185>.

Servizi:1984:CPB

- [ST84d] G. Servizi and G. Turchetti. A computer program for the Birkhoff series of area preserving maps. *Computer Physics Communications*, 32(2):201-207, May 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900717>.

Smith:1984:PEN

- [ST84e] Richard L. Smith and Donald G. Truhlar. Program for evaluation of non-exchange type integrals required in electron-atom scattering theory using Slater-type orbitals as basis functions. *Computer Physics Communications*, 35(1-3):C-170-C-171, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824200>.

Sullivan:1984:NIM

- [ST84f] E. C. Sullivan and A. Temkin. A non-iterative method for solving PDE's arising in electron scattering. *Computer Physics Communications*, 35(1-3):C-772-C-773, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829008>.

Slaets:1989:PCC

- [ST89a] Jan F. W. Slaets and Gonzalo Travieso. Parallel computing: a case study. *Computer Physics Communications*, 56(1):63-67, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900532>.

Surguladze:1989:LPM

- [ST89b] L. R. Surguladze and F. V. Tkachov. LOOPS: Procedures for multiloop calculations in quantum field theory for the REDUCE system. *Computer Physics Communications*, 55(2):205-215, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900775>.

Starkand:1984:SCM

- [Sta84] Yair Starkand. Subroutine for calculation of matrix padé approximants. *Computer Physics Communications*, 35(1-3):C-382, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825953>.

Stanescu:1987:SGL

- [Sta87a] Cristian Stanescu. Standard and graphics libraries in on-line environment. A comparative study of performance. *Computer Physics Communications*, 45(1-3):475-478, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901925>.

Start:1987:BRB

- [Sta87b] D. F. H. Start. Book review: *Computational Methods for Kinetic Models of Magnetically Confined Plasmas*: J. Killeen, G. f. Kerbel, M. G. McCoy and A. A. Mirin, Springer Series in Computational Physics, Springer-Verlag, Berlin, 1986. ISBN 3-540-13401-8. DM 108. *Computer Physics Communications*, 46(3):453–454, September 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900993>.

Stanco:1989:PTR

- [Sta89] Luca Stanco. Particle track reconstruction in heavy materials with the Kalman technique. *Computer Physics Communications*, 57(1–3):380–384, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902476>.

Stedman:1984:LCF

- [Ste84a] G. E. Stedman. Lanthanide crystal field fitting routine. *Computer Physics Communications*, 35(1–3):C–82, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823449>.

Stefnescu:1984:POC

- [Ste84b] A. Sabba Stefanescu. Program for optimal computation of EPR SPIN-HAMILTONIAN parameters for ions in tetragonal symmetry. *Computer Physics Communications*, 35(1–3):C–376, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825916>.

Stern:1984:IEP

- [Ste84c] M. S. Stern. An integral equation program to calculate radial wave functions and scattering phase shifts of short-range local interactions. *Computer Physics Communications*, 35(1–3):C–564, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827393>.

Stevens:1984:OSD

- [Ste84d] John G. Stevens. The operation of a small data centre (Mössbauer spectroscopy). *Computer Physics Communications*, 33(1-3):105-114, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901139>.

Steuer:1987:MPP

- [Ste87] M. F. Steuer. Monitoring of project-progress via distributed database. *Computer Physics Communications*, 45(1-3):391-394, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901792>.

Shadwick:1989:PCV

- [STN89] B. A. Shadwick, J. D. Talman, and M. R. Norman. A program to compute variationally optimized relativistic atomic potentials. *Computer Physics Communications*, 54(1):95-102, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900350>.

Story:1989:SEI

- [Sto89] C. M. Story. Software engineering in industry. *Computer Physics Communications*, 57(1-3):217-221, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902154>.

Stringer:1981:MPR

- [Str81] T. E. Stringer. MHD problems relevant to jet. *Computer Physics Communications*, 24(3-4):337-342, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901569>.

Struven:1987:NTN

- [Str87] Warren Struven. Networking through the new phone system the future of telecommunications. *Computer Physics Communications*, 45(1-3):443-446, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901871>.

Studer:1985:KBS

- [Stu85] Rudi Studer. Knowledge-based software engineering environments. *Computer Physics Communications*, 38(2):277–287, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900918>.

Stuart:1988:ARO

- [Stu88] Robin G. Stuart. Algebraic reduction of one-loop Feynman diagrams to scalar integrals. *Computer Physics Communications*, 48(3):367–389, March 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902020>.

Succi:1987:CAM

- [Suc87] S. Succi. Cellular automata modeling on IBM 3090/VF. *Computer Physics Communications*, 47(2–3):173–180, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901032>.

Sufrin:1989:FMS

- [Suf89] Bernard Sufrin. Formal methods in system design and implementation. *Computer Physics Communications*, 57(1–3):108–117, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901987>.

Sundholm:1988:BPC

- [Sun88] Dage Sundholm. A block preconditioned conjugate gradient method for solving high-order finite element matrix equations. *Computer Physics Communications*, 49(3):409–415, June 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890001X>.

Shmakov:1989:DGI

- [SUZ89] S. Yu. Shmakov, V. V. Uzhinskii, and A. M. Zadorozhny. DIA-GEN — generator of inelastic nucleus-nucleus interaction diagrams. *Computer Physics Communications*, 54(1):125–135,

April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900386>.

Stanev:1984:SSS

- [SV84] T. Stanev and Ch. Vankov. A set of subroutines for simulation of electron-photon cascades. *Computer Physics Communications*, 35(1-3):C-547, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482723X>.

Spineanu:1986:SPS

- [SVP86] F. Spineanu, M. Vlad, and I. I. Popescu. Strimp — program for studying the impurity evolution in tokamak plasma. *Computer Physics Communications*, 41(1):155-168, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900263>.

Schmidt:1980:MCC

- [SW80a] H. U. Schmidt and R. Wegmann. MHD-calculations for cometary plasmas. *Computer Physics Communications*, 19(3):309-326, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900867>.

Stone:1980:RRF

- [SW80b] A. J. Stone and C. P. Wood. Root-rational-fraction package for exact calculation of vector-coupling coefficients. *Computer Physics Communications*, 21(2):195-205, December 2, 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900405>.

Stone:1984:RRF

- [SW84] A. J. Stone and C. P. Wood. Root-rational-fraction package for exact calculation of vector-coupling coefficients. *Computer Physics Communications*, 35(1-3):C-660, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828180>.

Schmidt:1988:CGP

- [SWHB88] H. U. Schmidt, R. Wegmann, W. F. Huebner, and D. C. Boice. Cometary gas and plasma flow with detailed chemistry. *Computer Physics Communications*, 49(1):17–59, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902147>.

Swift:1988:PSP

- [Swi88] Daniel W. Swift. Particle simulation of plasma processes in the Earth's magnetotail. *Computer Physics Communications*, 49(1):173–183, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890224X>.

Sykes:1981:DCN

- [Syk81] A. Sykes. Developments of the Culham 3D nonlinear MHD code. *Computer Physics Communications*, 24(3–4):437–439, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901685>.

Sommer:1984:NBT

- [SZ84] B. Sommer and J. G. Zabolitzky. On numerical Bessel transformation. *Computer Physics Communications*, 35(1–3):C–549, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827253>.

Szekely:1985:FFG

- [Szé85] Géza Székely. FGM — a flexible gamma-spectrum analysis program for a small computer. *Computer Physics Communications*, 34(3):313–324, January 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900086>.

Szymanski:1981:CCE

- [Szy81] Z. Szymański. Computing collective excitations of nuclei. *Computer Physics Communications*, 22(2–3):177–185, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900473>.

Tajuddin:1989:CAT

- [TA89] Wan Ahmad Tajuddin and Wan Abdullah. Connectionist architectures for triggering and track reconstruction. *Computer Physics Communications*, 57(1–3):472–475, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902658>.

Tajima:1986:BRB

- [Taj86] T. Tajima. Book review: *Plasma Physics via Computer Simulation*: C. K. Birdsall and A. B. Langdon, McGraw-Hill, New York, 1985. xxiii + 479 pages. US \$45. *Computer Physics Communications*, 42(1):151–152, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902407>.

Takemasa:1985:PCS

- [Tak85a] Tadashi Takemasa. A program for calculating spectroscopic amplitudes for two-nucleon transfer reactions by projecting angular momentum. *Computer Physics Communications*, 36(1):79–100, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900190>.

Tanaka:1985:MMR

- [TAK⁺85b] Y. Tanaka, M. Azumi, G. Kurita, T. Tsunematsu, and T. Takeda. A matrix method for resistive MHD stability analysis of axisymmetric toroidal plasma. *Computer Physics Communications*, 38(3):339–346, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901018>.

Takemasa:1988:AWGa

- [Tak88a] Tadashi Takemasa. Abscissae and weights for the Gauss–Hermite quadrature formula. *Computer Physics Communications*, 48(2):265–270, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558890046X>■

Takemasa:1988:AWGb

- [Tak88b] Tadashi Takemasa. Abscissae and weights for the Gauss–Laguerre quadrature formula. *Computer Physics Communications*, 52(1):133–140, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901786>.

Tallents:1982:PCE

- [Tal82] G. J. Tallents. Profile: a code for evaluating line profile shapes for optically thick expanding plasmas. *Computer Physics Communications*, 25(2):141–148, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900303>.

Talman:1983:LSC

- [Tal83] James D. Talman. LSFBR: a subroutine for calculating spherical Bessel transforms. *Computer Physics Communications*, 30(1):93–99, July/August 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583901261>.

Tallents:1984:PCE

- [Tal84a] C. J. Tallents. Profile: a code for evaluating line profile shapes for optically thick expanding plasmas. *Computer Physics Communications*, 35(1–3):C-776, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829033>.

Tallents:1984:CCC

- [Tal84b] G. J. Tallents. Collrad: a code for calculating the quasi-steady state population densities of excited states of hydrogen-like ions. *Computer Physics Communications*, 35(1–3):C-398, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826090>.

Talman:1984:LSC

- [Tal84c] James D. Talman. LSFBR: a subroutine for calculating spherical Bessel transforms. *Computer Physics Communications*, 35(1–3):C-903, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830027>

Talman:1989:PCV

- [Tal89] James D. Talman. A program to compute variationally optimized effective atomic potentials. *Computer Physics Communications*, 54(1):85–94, April 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900349>

Tamura:1984:AMC

- [Tam84] Taro Tamura. Angular momentum coupling coefficients. *Computer Physics Communications*, 35(1–3):C–39, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823061>.

Tarutin:1986:PCA

- [Tar86] O. B. Tarutin. The programming of cross-assemblers on the ES-computer with the use of standard macroassembler. *Computer Physics Communications*, 41(2–3):415–417, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900822>.

Tatarkiewicz:1980:IMT

- [Tat80] Jakub Tatarkiewicz. On the inclusion of macroscopic theory in Monte Carlo simulation using game theory. *Computer Physics Communications*, 20(1):133–137, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901198>.

Taurian:1980:MPN

- [Tau80] Oscar E. Taurian. A method and a program for the numerical evaluation of the Hilbert transform of a real function. *Computer Physics Communications*, 20(2):291–307, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900089>.

Taurian:1981:FFP

- [Tau81] Oscar E. Taurian. FSCRIPT, a full portable text formatting program. *Computer Physics Communications*, 22(1): 85–96, February/March 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900813>■

Taurian:1984:EMU

- [Tau84a] Oscar E. Taurian. An editor for the maintenance and use of a bank of contracted Gaussian basis set functions. *Computer Physics Communications*, 33(1-3):55–69, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901073>.

Taurian:1984:FFP

- [Tau84b] Oscar E. Taurian. Fscript, a full portable text formatting program. *Computer Physics Communications*, 35(1-3):C-687, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828386>.

Taurian:1984:MPN

- [Tau84c] Oscar E. Taurian. A method and a program for the numerical evaluation of the Hilbert transform of a real function. *Computer Physics Communications*, 35(1-3):C-637, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827988>.

Taurian:1984:RPG

- [Tau84d] Oscar E. Taurian. ROTTRA — a program for generating rotations and translations. *Computer Physics Communications*, 34(1-2):153–162, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490167X>.

Tausworthe:1985:CTS

- [Tau85] Robert C. Tausworthe. Concepts and tools for the software life cycle. *Computer Physics Communications*, 38(2): 135–148, October/November 1985. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900803>

Thompson:1985:CCF

- [TB85] I. J. Thompson and A. R. Barnett. COULCC: a continued-fraction algorithm for Coulomb functions of complex order with complex arguments. *Computer Physics Communications*, 36(4):363–372, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900256>. See [Tho04b].

Thompson:1987:MBF

- [TB87] I. J. Thompson and A. R. Barnett. Modified Bessel functions $I_\nu(z)$ and $K_\nu(z)$ of real order and complex argument, to selected accuracy. *Computer Physics Communications*, 47(2–3):245–257, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901111>. See erratum [Tho04a].

Tennyson:1987:GCO

- [TBB87] Jonathan Tennyson, P. G. Burke, and K. A. Berrington. The generation of continuum orbitals for molecular R -matrix calculations using Lagrange orthogonalisation. *Computer Physics Communications*, 47(2–3):207–212, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558790107X>.

Troyon:1980:ACV

- [TBG80] F. Troyon, L. C. Bernard, and R. Gruber. An algorithm to compute the vacuum contribution to the ideal MHD δW in an axisymmetric configuration. *Computer Physics Communications*, 19(2):161–169, April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900466>.

Tennyson:1987:PCP

- [TC87] Jonathan Tennyson and N. Chandra. PEAD — for the calculation of photoelectron angular distributions of linear molecules. *Computer Physics Communications*, 46(1):99–105,

July 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900385>.

Tamura:1984:DWB

- [TCR84] T. Tamura, W. R. Coker, and F. Rybicki. Distorted wave Born approximation for nuclear reactions. *Computer Physics Communications*, 35(1-3):C-69, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823346>.

Tanczyn:1985:APE

- [TCS85] R. S. Tanczyn, G. P. Couchell, and W. A. Schier. ASYM: a program to examine fission fragment mass asymmetry in hemispherical chambers. *Computer Physics Communications*, 38(1):61-70, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900463>.

Thiel:1981:PCA

- [TDS81] J. Thiel, P. Dorio, and C. Soubry. The potential created by an alternating point charge in a Maxwellian magneto-plasma. *Computer Physics Communications*, 23(2):169-180, July 1, 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190031X>.

Thiel:1984:PCA

- [TDS84] J. Thiel, P. Dorio, and C. Soubry. The potential created by an alternating point charge in a Maxwellian magneto-plasma. *Computer Physics Communications*, 35(1-3):C-716, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828581>.

Tellinghuisen:1984:FQM

- [Tel84] Joel Tellinghuisen. A fast quadrature method for computing diatomic RKR potential curves. *Computer Physics Communications*, 35(1-3):C-220, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824601>

Temperton:1982:FMP

- [Tem82] Clive Temperton. Fast methods on parallel and vector machines. *Computer Physics Communications*, 26(3–4):331–334, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901254>.

Tennyson:1983:APC

- [Ten83] Jonathan Tennyson. ATOMDIAT — a program for calculating variationally exact ro-vibrational levels of “floppy” triatomics. *Computer Physics Communications*, 29(3):307–319, May 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900103>.

Tennyson:1984:APC

- [Ten84a] Jonathan Tennyson. Atomdiat — a program for calculating variationally exact ro-vibrational levels of ‘floppy’ triatomics. *Computer Physics Communications*, 35(1–3):C-884, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829872>.

Tennyson:1984:AGA

- [Ten84b] Jonathan Tennyson. Atomdiat2 and genpot: Adaptations of atomdiat for the ro-vibrational levels of any floppy triatomic using a general potential function. *Computer Physics Communications*, 32(1):109–114, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900122>.

Tennyson:1985:CME

- [Ten85] Jonathan Tennyson. On the calculation of matrix elements between polynomial basis functions. *Computer Physics Communications*, 38(1):39–41, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900438>.

Tennyson:1986:TSR

- [Ten86] Jonathan Tennyson. Triatom, select and rotlev — for the calculation of the ro-vibrational levels of triatomic molecules.

Computer Physics Communications, 42(2):257–270, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900421>.

Tepel:1984:EEN

- [Tep84] J. W. Tepel. ENSDF — the evaluated nuclear structure data file. *Computer Physics Communications*, 33(1–3):129–146, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901152>.

Terasawa:1988:NDA

- [Ter88] Toshio Terasawa. Nonlinear dynamics of Alfvén waves: Interactions between ions and shock upstream waves. *Computer Physics Communications*, 49(1):193–200, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902263>.

Thyagaraja:1989:NMF

- [TF89] A. Thyagaraja and D. F. Fletcher. The nonhyperbolicity of multiphase flow equations: a nonlinear nonproblem? *Computer Physics Communications*, 56(2):115–127, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990012X>.

Topaçli:1988:MSP

- [TGA88] C. Topaçli, Y. Gündüç, and A. Aydınli. MULTI: a simulation program for laser processing of multilayer structures. *Computer Physics Communications*, 52(1):65–70, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901737>.

Thaler:1989:DAM

- [Tha89] Jon J. Thaler. Data-acquisition modelling and simulation. *Computer Physics Communications*, 57(1–3):309–312, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902336>.

Taylor:1982:CCS

- [THH82] D. J. Taylor, J. F. L. Hopkinson, and C. C. T. Henfrey. The Cray-1s and the Cray service provided by the SERC at the Daresbury Laboratory. *Computer Physics Communications*, 26(3–4):259–265, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901151>.

Thomson:1984:TPD

- [Tho84] R. M. Thomson. Transport properties of dilute gas mixtures. *Computer Physics Communications*, 35(1–3):C–582, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827551>.

Thomas:1987:IMU

- [Tho87] Samuel Thomas. Inner multiplicity of unitary groups — a modified version. *Computer Physics Communications*, 44(1–2):221–225, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900294>.

Thompson:2004:EBB

- [Tho04a] I. J. Thompson. Erratum to *Modified Bessel functions $I_{\nu}(z)$ and $K_{\nu}(z)$ of real order and complex argument* [Comput. Phys. Commun. **47** (1987) 245–257]. *Computer Physics Communications*, 159(3):243–244, June 1, 2004. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465504001067>. See [TB87].

Thompson:2004:ECC

- [Tho04b] I. J. Thompson. Erratum to “COULCC: a continued-fraction algorithm for Coulomb functions of complex order with complex arguments”: [Comput. Phys. Commun. **36** (1985) 363–372]. *Computer Physics Communications*, 159(3):241–242, June 1, 2004. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465504001079>. See [TB85].

Titterington:1980:CLD

- [TK80] D. J. Titterington and C. G. Kinniburgh. Calculation of LEED diffracted intensities. *Computer Physics Communica-*

tions, 20(2):237–266, October 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900053>

Titerington:1984:CLD

- [TK84] D. J. Titerington and C. G. Kinniburgh. Calculation of LEED diffracted intensities. *Computer Physics Communications*, 35(1–3):C-633–C-634, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827952>.

Tokunaga:1985:VMC

- [TKS⁺85] Y. Tokunaga, Y. Kurita, M. Sugihara, S. Hitoki, and S. Saito. Vectorization of the Monte Carlo program dicon. *Computer Physics Communications*, 38(1):15–26, August/September 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900414>.

Treleaven:1982:FGC

- [TL82] Philip C. Treleaven and Isabel Gouveia Lima. Fifth generation computers. *Computer Physics Communications*, 26(3–4):277–283, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901175>.

Tamura:1984:EFRa

- [TL84] T. Tamura and K. S. Low. Exact finite range DWBA calculations for heavy-ion induced nuclear reactions. *Computer Physics Communications*, 35(1–3):C-283–C-284, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482514X>.

Tezduyar:1989:GEE

- [TL89] T. E. Tezduyar and J. Liou. Grouped element-by-element iteration schemes for incompressible flow computations. *Computer Physics Communications*, 53(1–3):441–453, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990177X>.

Tennyson:1989:PSC

- [TM89] Jonathan Tennyson and Steven Miller. A program suite for the calculation of ro-vibrational spectra of triatomic molecules. *Computer Physics Communications*, 55(2):149–175, September 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990074X>.

Tennyson:1984:RPD

- [TN84] Jonathan Tennyson and Cliff J. Noble. RESON — a program for the detection and fitting of Breit–Wigner resonances. *Computer Physics Communications*, 33(4):421–424, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901474>.

Tolsma:1985:SLS

- [Tol85] L. D. Tolsma. Solving large sets of coupled equations iteratively by vector processing on the Cyber 205 computer. *Computer Physics Communications*, 37(1–3):245–249, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901596>.

Tolsma:1986:RRC

- [Tol86] L. D. Tolsma. Recurrence relations for Coulomb excitation electric multipole radial matrix elements. *Computer Physics Communications*, 41(1):41–57, July 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900202>.

Tornow:1982:ESI

- [Tor82] V. Tornow. An exponential spline interpolation for unequally spaced data points. *Computer Physics Communications*, 28(1):61–67, November 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900625>.

Tornow:1984:ESI

- [Tor84] V. Tornow. An exponential spline interpolation for unequally spaced data points. *Computer Physics Communications*, 35(1–3):C–835, ??? 1984. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482946X>.

Toussaint:1987:SQ

- [Tou87] Doug Toussaint. Supercomputations in QCD. *Computer Physics Communications*, 45(1-3):111-120, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901457>.

Toussaint:1989:IAM

- [Tou89] D. Toussaint. Introduction to algorithms for Monte Carlo simulations and their application to QCD. *Computer Physics Communications*, 56(1):69-92, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900544>.

Tamura:1984:CFC

- [TR84] Taro Tamura and Frank Rybicki. Coulomb functions for complex energies. *Computer Physics Communications*, 35(1-3):C-5, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584822766>.

teRiele:1985:PSF

- [tR85] H. J. J. te Riele. A program for solving first kind Fredholm integral equations by means of regularization. *Computer Physics Communications*, 36(4):423-432, June 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900323>.

Trease:1988:TDF

- [Tre88] Harold E. Trease. Three-dimensional Free-Lagrange hydrodynamics. *Computer Physics Communications*, 48(1):39-50, January 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900215>.

Trippe:1984:RPP

- [Tri84] Thomas G. Trippe. The review-of-particle-properties system. *Computer Physics Communications*, 33(1-3):229-233, August/

September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901280>.

Trotman:1984:PCO

- [Tro84] J. V. Trotman. A program for closed orbit minimization by analytic technique. *Computer Physics Communications*, 35(1-3):C-166, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824170>.

Truhlar:1988:SCV

- [Tru88] Donald G. Truhlar. Scientific computing on vector computers: W. Schönauer, special topics in supercomputing series (volume 2), North-Holland, Amsterdam, 1987. Dfl.180.00 (hard cover). *Computer Physics Communications*, 50(3):413, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901944>.

Thomas:1984:IMU

- [TS84a] Samuel Thomas and M. T. Sunny. Inner multiplicity of unitary groups. *Computer Physics Communications*, 35(1-3):C-467, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826673>.

Turnbull:1984:CTI

- [TS84b] A. D. Turnbull and L. Sparks. Compact torus-ion ring hybrid equilibria. *Computer Physics Communications*, 31(2-3):235-248, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900481>.

Tobimatsu:1989:RBS

- [TS89] Keijiro Tobimatsu and Yoshimitsu Shimizu. Radiative Bhabha scattering in special configurations with missing final e^+ and/or e^- . *Computer Physics Communications*, 55(3):337-358, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901318>.

Thomson:1984:BCS

- [TSD84] R. M. Thomson, Kenneth Smith, and A. R. Davies. Boltz: a code to solve the transport equation for electron distributions and then calculate transport coefficients and vibrational excitation rates in gases with applied fields. *Computer Physics Communications*, 35(1-3):C-387-C-388, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826004>.

Tenner:1987:P

- [TSH87] A. G. Tenner, G. J. Savonije, and J. E. Hansen. Preface. *Computer Physics Communications*, 44(3):v, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900762>.

Telle:1982:FPE

- [TT82] H. Telle and U. Telle. FCFRKR — a procedure to evaluate Franck-Condon type integrals for diatomic molecules. *Computer Physics Communications*, 28(1):1-25, November 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900595>.

Telle:1984:FPE

- [TT84] H. Telle and U. Telle. Fcfrkr — a procedure to evaluate Franck-Condon type integrals for diatomic molecules. *Computer Physics Communications*, 35(1-3):C-830-C-831, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829434>.

Telle:1985:CPF

- [TT85] H. H. Telle and U. Telle. Comments on the program FCFRKR. *Computer Physics Communications*, 36(1):109-112, March 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900219>.

Turnbull:1989:TVF

- [TT89] A. D. Turnbull and F. Troyon. Two variational forms of the MHD ballooning equation. *Computer Physics Communica-*

tions, 52(3):303–316, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901057>

Takizuka:1981:EFH

- [TTAT81] T. Takizuka, S. Tokuda, M. Azumi, and T. Takeda. Effects of the finite hybrid element on MHD stability calculations in a cylindrical plasma. *Computer Physics Communications*, 23(1):19–26, June 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901259>.

Tucker:1988:VCI

- [TTL88] Susan C. Tucker, Todd C. Thompson, and Jack G. Lauderdale. A vibrational configuration interaction program for energies and resonance widths. *Computer Physics Communications*, 51(1–2):233–256, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900756>.

Tsunematsu:1980:CSM

- [TTM⁺80] T. Tsunematsu, T. Takeda, T. Matsuura, G. Kurita, and M. Azumi. Convergence of solutions of the MHD stability code ERATO. *Computer Physics Communications*, 19(2):179–183, April/June 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558090048X>.

Takeda:1984:IGS

- [TTT84] Tatsuoki Takeda, Toshihide Tsunematsu, and Shinji Tokuda. Integrative graphic subroutine package ARGUS-V4. *Computer Physics Communications*, 34(1–2):15–29, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901553>.

Tokuda:1987:DSG

- [TTT87] Shinji Tokuda, Toshihide Tsunematsu, and Tatsuoki Takeda. Database system GAEA for a large amount of numerical data. *Computer Physics Communications*, 44(1–2):21–46, April/May 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900142>.

Takemasa:1984:CAM

- [TTW84a] T. Takemasa, T. Tamura, and H. H. Wolter. Complex angular momentum methods for elastic scattering with an optical potential. *Computer Physics Communications*, 35(1-3):C-606, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827733>.

Takemasa:1984:CFC

- [TTW84b] T. Takemasa, T. Tamura, and H. H. Wolter. Coulomb functions with complex angular momenta. *Computer Physics Communications*, 35(1-3):C-562, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482737X>.

Tamura:1983:DCC

- [TUB83] T. Tamura, T. Udagawa, and M. Benhamou. DWBA calculations of continuum spectra of nuclear reactions. *Computer Physics Communications*, 29(4):391-415, June 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900176>.

Tamura:1984:DCC

- [TUB84] T. Tamura, T. Udagawa, and M. Benhamou. DWBA calculations of continuum spectra of nuclear reactions. *Computer Physics Communications*, 35(1-3):C-890, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829938>.

Tamura:1984:EFRb

- [TUWA84] T. Tamura, T. Udagawa, K. W. Wood, and H. Amakawa. Exact finite range *dwba* form factor for heavy-ion induced nuclear reactions. *Computer Physics Communications*, 35(1-3):C-588, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827605>.

Tolsma:1986:MAS

- [TV86] L. D. Tolsma and G. W. Veltkamp. Measuring the accuracy of the solution subspace obtained by numerical integration of the Schrödinger equation. *Computer Physics Communications*, 40(2-3):233-262, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901128>.

Treleaven:1989:NCO

- [TV89] Philip Treleaven and Marley Vellasco. Neural computing overview. *Computer Physics Communications*, 57(1-3):543-559, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902841> ■

Thompson:1987:TTO

- [TVD87] Murray Thompson, Ann Varda, and Gary DeClute. Two terabyte optical archival store. *Computer Physics Communications*, 45(1-3):403-407, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901810> ■

Turner:1981:MSJ

- [TW81] M. F. Turner and J. A. Wesson. MHD simulation of jet. *Computer Physics Communications*, 24(3-4):343-354, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901570>.

Tiator:1983:EPV

- [TW83] L. Tiator and L. E. Wright. Exact PWBA virtual photon spectrum for $A(\gamma_v, D)R$. *Computer Physics Communications*, 28(3):265-269, January 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900437> ■

Tiator:1984:EPV

- [TW84] L. Tiator and L. E. Wright. Exact PWBA virtual photon spectrum for $a(\gamma_v, D)R$. *Computer Physics Communications*, 35(1-3):C-850, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829598> ■

Talwar:1989:RTA

- [TW89a] Indu Talwar and L. E. Wright. The radiation tail accompanying elastic electron scattering from the atomic nucleus. *Computer Physics Communications*, 55(3):367–380, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901331>.

Tran:1989:TTD

- [TW89b] T. M. Tran and J. S. Wurtele. TDA — a three-dimensional axisymmetric code for free-electron-laser (FEL) simulation. *Computer Physics Communications*, 54(2–3):263–272, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900908>.

Ugai:1988:MSF

- [Uga88] M. Ugai. MHD simulations of fast reconnection spontaneously developing in a current sheet. *Computer Physics Communications*, 49(1):185–192, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902251>.

Ugniewski:1980:LOT

- [Ugn80] Stanislaw Ugniewski. Lateral observation of transparent non-homogeneous axisymmetrical media. *Computer Physics Communications*, 20(3):329–335, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900132>.

Uchida:1985:HSV

- [UI85] Keiichiro Uchida and Mikio Itoh. High speed vector processors in Japan. *Computer Physics Communications*, 37(1–3):7–13, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901316>.

Vajtersic:1982:EAF

- [Vaj82] Marian Vajtersic. An elimination approach for fast parallel solution of the model fourth-order elliptic problem. *Computer Physics Communications*, 26(3–4):357–361, June

1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901291>.

VanBinst:1981:EBL

- [Van81a] Paul Van Binst. Evolution of the Brussels On-Line system since 1970. *Computer Physics Communications*, 22(2-3):345-347, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900692>.

VanHove:1981:RRA

- [Van81b] L. Van Hove. Review of recent advances in high energy physics. *Computer Physics Communications*, 22(2-3):187-197, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900485>.

VanHerwijnen:1989:UTI

- [Van89] Eric Van Herwijnen. The use of text interchange standards for submitting physics articles to journals. *Computer Physics Communications*, 57(1-3):244-250, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990221X>. International Conference on Computing in High-Energy Physics.

Varias:1989:EHC

- [Var89] A. Varias. An extension of the HERA code to flux coordinate equilibria. *Computer Physics Communications*, 52(2):167-174, January/February 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900015>.

Vaz:1981:CFS

- [Vaz81] Louis C. Vaz. The code franpie: a semiclassical friction free model for calculating excitation functions for complete fusion of heavy ions. *Computer Physics Communications*, 22(4):451-466, May 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901429>.

Vaz:1984:CFS

- [Vaz84] Louis C. Vaz. The code FRANPIE: a semiclassical friction free model for calculating excitation functions for complete fusion of heavy ions. *Computer Physics Communications*, 35(1-3):C-697, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828465>.

Vohwinkel:1988:FCE

- [VBD88] Claus Vohwinkel, Bernd A. Berg, and Alberto Devoto. A fast Cyber 205-ETA¹⁰ program for SU(3) lattice gauge theory. *Computer Physics Communications*, 51(3):331-348, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901464>.

Vinette:1988:PEE

- [VČ88] F. Vinette and J. Čížek. Perturbation energy expansion using hypervirial theorem and symbolic computation for the N -dimensional hydrogen atom in an external spherically symmetric field. *Computer Physics Communications*, 52(1):35-41, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901695>.

vanDam:1987:SMR

- [vD87a] Andries van Dam. Solids modeling and rendering on workstations — a pictorial overview. *Computer Physics Communications*, 45(1-3):169-174, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901524>.

vanDam:1987:CMH

- [vD87b] P. H. A. van Dam. Computational methods in high energy physics. *Computer Physics Communications*, 44(3):255-260, June 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900804>.

vandenBos:1984:PPC

- [vdB84] J. van den Bos. A programming package for the calculation of cross-sections and probabilities for charge-exchange processes. *Computer Physics Communications*, 35(1-3):C-232-C-233, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824716>.

vanderMeulen:1984:TCR

- [vdM84a] A. van der Meulen. Trajectory calculations for the reaction $K + HBr \rightarrow KBr + H$ in the eV-region. *Computer Physics Communications*, 35(1-3):C-121, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823796>.

Virtue:1984:IPN

- [VDM84b] C. J. Virtue, R. J. Douglas, and B. T. A. McKee. Interactive **positronfit**: a new version of a program for analysing positron lifetime spectra. *Computer Physics Communications*, 35(1-3):C-485-C-486, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826788>.

vanderVorst:1989:IRM

- [vdV89] Henk A. van der Vorst. ICCG and related methods for 3D problems on vector computers. *Computer Physics Communications*, 53(1-3):223-235, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901628>.

Verkerk:1982:RCS

- [Ver82] Peter Verkerk. Resolution correction: a simple and efficient algorithm with error analysis. *Computer Physics Communications*, 25(4):325-345, April 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900753>.

Verbiest:1983:PAS

- [Ver83] E. Verbiest. A program to analyze series of Mössbauer spectra. *Computer Physics Communications*, 29(2):131-154, April

1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900693>.

Verbiest:1984:PAS

- [Ver84a] E. Verbiest. A program to analyze series of Mössbauer spectra. *Computer Physics Communications*, 35(1-3):C-869, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829744>.

Vertes:1984:FPS

- [Ver84b] P. Vertes. FEDGROUP-3 — a program system for processing evaluated nuclear data. *Computer Physics Communications*, 33(1-3):155-156, August/September 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901176>.

Vertes:1989:FNT

- [Ver89] P. Vertes. FEDMIX: Neutron transmission functions and lumped averaged cross-sections from standardized evaluated neutron data. *Computer Physics Communications*, 56(2):199-229, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900209>.

Vesztergombi:1989:ITA

- [Ves89] G. Vesztergombi. "Iconic" tracking algorithms for high energy physics using the Trax-I massively parallel processor. *Computer Physics Communications*, 57(1-3):290-296, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902300>.

Voevodin:1989:BSP

- [VGD⁺89] V. P. Voevodin, V. N. Govorun, A. M. Davidenko, An. V. Eki-mov, N. S. Ivanova, V. I. Kovaltsov, Yu. M. Kozyaev, A. F. Lukyantsev, M. Yu. Matveev, V. A. Senko, A. N. Sytin, and G. V. Tishin. The 780/E 32-bit specialised processor-emulator. *Computer Physics Communications*, 57(1-3):532-535, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902816>.

Vogelsang:1987:MCF

- [VH87] R. Vogelsang and C. Hoheisel. A Monte Carlo FORTRAN 200 programme for the determination of static properties of liquids vectorized to run on the CYBER 205 vector processing computer. *Computer Physics Communications*, 46(2):209–216, August 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900026>.

Vialle:1987:GAS

- [Via87] J. P. Vialle. The U_{A1} 3D graphics analysis system. *Computer Physics Communications*, 45(1–3):149–159, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901500>.

Vielcanet:1988:IAC

- [Vie88] P. Vielcanet. Influence of advanced computer-aided design techniques on space mission analysis software development. *Computer Physics Communications*, 49(1):235–242, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902317>.

Violino:1984:PCL

- [Vio84] Paolo Violino. A program for computing level crossings and the Back–Goudsmit effect. *Computer Physics Communications*, 35(1–3):C–149, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824029>.

Virasoro:1989:DMB

- [Vir89] M. A. Virasoro. Disordered models of the brain. *Computer Physics Communications*, 56(1):93–100, November 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900556>.

Visscher:1984:SCT

- [Vis84a] P. B. Visscher. Simple compact tree storage of a multidimensional array. *Computer Physics Communications*, 31(4):311–318, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558490016X>.

Visscher:1984:UFR

- [Vis84b] P. B. Visscher. User-friendly routines for tree storage and retrieval of multidimensional arrays. *Computer Physics Communications*, 31(4):319–322, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900171>

Vogt:1982:MCM

- [VKM⁺82] H. Vogt, W. Kusmierz, H. Mencke, U. Schwendicke, H. Schiller, and M. Wille. A microprocessor controlled measuring stage — part of a measuring device for track chamber pictures. *Computer Physics Communications*, 26(1–2):121–124, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901643>.

vonMeerwall:1984:FAP

- [vM84a] E. von Meerwall. A flexible, all-purpose curve-fitting program. *Computer Physics Communications*, 35(1–3):C–372, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825874>.

vonMeerwall:1984:GPR

- [vM84b] E. von Meerwall. A general-purpose routine for the analysis of spectroscopic peak shapes. *Computer Physics Communications*, 35(1–3):C–333, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825576>

vonMeerwall:1984:LSS

- [vM84c] E. von Meerwall. A least-squares spectral curve fitting routine for strongly overlapping Lorentzians or Gaussians. *Computer Physics Communications*, 35(1–3):C–296, ??? 1984.

CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825266>.

vonMeerwall:1984:FCA

- [vM84d] E. D. von Meerwall. A Fortran code for automatic spectrum analysis on medium-scale computers. *Computer Physics Communications*, 35(1-3):C-316, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825412>.

vonMeerwall:1984:FPRc

- [vM84e] E. D. von Meerwall. A Fortran program for routine analysis of magnetic susceptibility data. *Computer Physics Communications*, 35(1-3):C-500, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826867>.

vonMeerwall:1984:FPC

- [vM84f] E. D. von Meerwall. A Fortran program to collect histograms of microscopic scalar interactions. *Computer Physics Communications*, 35(1-3):C-444, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482651X>.

vonMeerwall:1984:FPI

- [vM84g] E. D. von Meerwall. A Fortran program to interpret pulsed field-gradient spin-echo diffusion data. *Computer Physics Communications*, 35(1-3):C-557, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827320>.

vonMeerwall:1984:FPS

- [vM84h] E. D. von Meerwall. A Fortran program to simulate quadrupole-distorted NMR powder patterns. *Computer Physics Communications*, 35(1-3):C-418, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826284>.

vonMeerwall:1984:SFP

- [vM84i] E. D. von Meerwall. A simple Fortran program to interpret cubic X-ray powder diffraction data. *Computer Physics Communications*, 35(1-3):C-383, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584825965>.

VanRensburg:1989:ICG

- [VM89] D. J. Janse Van Rensburg and D. A. McNamara. An interactive computer-graphics-based processor for boundary element modelling of electromagnetic scattering by thin conducting wires. *Computer Physics Communications*, 55(3):457-461, October 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558901379>.

vonMeerwall:1981:FPF

- [vMF81] E. D. von Meerwall and R. D. Ferguson. A Fortran program to fit diffusion models to field-gradient spin echo data. *Computer Physics Communications*, 21(3):421-429, January 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900187>.

vonMeerwall:1984:FPF

- [vMF84] E. D. von Meerwall and R. D. Ferguson. A Fortran program to fit diffusion models to field-gradient spin echo data. *Computer Physics Communications*, 35(1-3):C-677, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828301>.

vonMeerwall:1984:FPRa

- [vMT84] E. von Meerwall and D. Thompson. A Fortran program for reduction of NMR relaxation data. *Computer Physics Communications*, 31(4):385-392, March 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900213>.

Vohwinkel:1988:FMG

- [Voh88] Claus Vohwinkel. A fast method to gather neighbors in vectorized Monte Carlo simulations. *Computer Physics Communications*, 51(3):323–330, November 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901452>.

Vertse:1982:GPC

- [VPB82] T. Vertse, K. F. Pál, and Z. Balogh. Gamow, a program for calculating the resonant state solution of the radial Schrödinger equation in an arbitrary optical potential. *Computer Physics Communications*, 27(3):309–322, September 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901783>.

Vertse:1984:GPC

- [VPB84] T. Vertse, K. F. Pál, and Z. Balogh. Gamow, a program for calculating the resonant state solution of the radial Schrödinger equation in an arbitrary optical potential. *Computer Physics Communications*, 35(1–3):C–824, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829392>.

Vrba:1989:MCI

- [Vrb89] Vaclav Vrba. The Monte–Carlo integration of cylindrical phase-space with leading particles. *Computer Physics Communications*, 56(2):165–180, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900180>.

Vogelsang:1983:VMD

- [VSH83] R. Vogelsang, M. Schoen, and C. Hoheisel. Vectorization of molecular dynamics Fortran programs using the Cyber 205 vector processing computer. *Computer Physics Communications*, 30(3):235–241, November 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900905>.

Vvedensky:1986:UDC

- [VSP86] D. D. Vvedensky, D. K. Saldin, and J. B. Pendry. An update of DLXANES, the calculation of X-ray absorption near-edge structure. *Computer Physics Communications*, 40(2-3):421-440, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901220>.

vanTuan:1984:TRN

- [vTBF84] Nguyen van Tuan, Pierre Bertrand, and Marc R. Feix. Time renormalisation numerical method for the K.d.V. equation. *Computer Physics Communications*, 33(4):335-342, October 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901383>.

Vermaak:1984:PSP

- [VVM84] C. F. Vermaak, D. Vermaak, and H. G. Miller. A packed storage program for angular momentum coupling coefficients. *Computer Physics Communications*, 31(1):41-46, January 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900808>.

Waite:1987:RNI

- [Wai87] J. Waite. Routines for numerical interpolation, with 1st and 2nd order differentiation, having non-uniformly spaced points, out to 3 dimensions. *Computer Physics Communications*, 46(2):323-335, August 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900087>.

Walker:1989:IGM

- [Wal89] Homer F. Walker. Implementations of the GMRES method. *Computer Physics Communications*, 53(1-3):311-320, May 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901689>.

Wansleben:1987:UVM

- [Wan87] Stephan Wansleben. Ultrafast vectorized multispin coding algorithm for the Monte Carlo simulation of the 3D Ising model.

Computer Physics Communications, 43(3):315–323, February/March 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900488>.

Warburton:1984:DVP

- [War84] W. K. Warburton. DBLCON: a version of positronfit with non-Gaussian prompt for analysing positron lifetime spectra. *Computer Physics Communications*, 35(1–3):C–438, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826466>.

Wasserman:1985:MSD

- [Was85] Anthony I. Wasserman. Modern software development methodologies and their environments. *Computer Physics Communications*, 38(2):119–134, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900797>.

Watase:1989:HEP

- [Wat89] Yoshiyuki Watase. High energy physics computing in japan. *Computer Physics Communications*, 57(1–3):198–205, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902129>.

Wilkinson:1982:UID

- [WB82] G. G. Wilkinson and R. E. Burge. Using the ICL-DAP for satellite climatology. *Computer Physics Communications*, 26(3–4):469–471, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901448>■

Wood:1984:NRS

- [WB84] John H. Wood and Michael Boring. A non-relativistic SCF atomic program to compute one-electron energies, total energies, and Slater integrals. *Computer Physics Communications*, 35(1–3):C–227, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824662>■

Wierzbicki:1988:GGC

- [WB88] Andrezej Wierzbicki and Joel M. Bowman. GVSCF: a general code to perform vibrational self-consistent field calculations. *Computer Physics Communications*, 51(1–2):225–232, September/October 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900744>.

Weber:1984:ATD

- [WBG84] Wim J. Weber, J. P. Boris, and J. H. Gardner. Alfven — a two-dimensional code based on *shasta*, solving the radiative, diffusive MHD equations. *Computer Physics Communications*, 35(1–3):C-536–C-537, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827149>.

Wiegandt:1989:UOE

- [WBV⁺89] D. Wiegandt, R. Burn, W. Van Leeuwen, A. Osadzinski, R. Levine, and D. J. McKenzie. Unix in the OSF era — panel discussion. *Computer Physics Communications*, 57(1–3):560–561, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902889>.

Wang:1984:BPP

- [WC84] C. S. Wang and J. Callaway. BNDPKG. A package of programs for the calculation of electronic energy bands by the LCGO method. *Computer Physics Communications*, 35(1–3):C-473–C-474, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826727>.

Winkelmann:1985:PWS

- [WC85] Klaus Winkelmann and Doris Croome. A precompiler written in spitbol applied to programs to analyze nuclear data. *Computer Physics Communications*, 38(2):309–313, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900955>.

Wolf:1984:CSC

- [WD84] D. Wolf and K. Differt. Computer simulation of correlated self-diffusion via randomly migrating vacancies in cubic crystals. *Computer Physics Communications*, 35(1-3):C-422, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826314>.

Wolf:1984:DCF

- [WDM84] D. Wolf, K. Differt, and H. Mehrer. Determination of correlation factor and NMR diffusion parameters from the computer-simulated random motion of vacancies in cubic crystals. *Computer Physics Communications*, 35(1-3):C-423, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826326>.

Wenzel:1988:FSP

- [Wen88] K-P. Wenzel. Future space plasma missions in the ESA science programme. *Computer Physics Communications*, 49(1):243-252, April 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588902329>.

West:1987:SE

- [Wes87] D. West. Software engineering. *Computer Physics Communications*, 45(1-3):485, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901986>.

Weitzel:1983:EPC

- [WGM83] William F. Weitzel, Thomas L. Gibson, and Michael A. Morrison. EXLAM, a program for the calculation and expansion of local model exchange potentials. *Computer Physics Communications*, 30(2):151-161, September/October 1983. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465583900577>.

Weitzel:1984:EPC

- [WGM84] William F. Weitzel, Thomas L. Gibson, and Michael A. Morrison. Exlam, a program for the calculation and expansion of local model exchange potentials. *Computer*

Physics Communications, 35(1-3):C-905, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584830040>.

Wang:1981:ADO

- [WH81] T. S. Wang and F. J. Helton. Algorithms developed to obtain particular numerical solutions to the ideal MHD equilibrium problem. *Computer Physics Communications*, 24(3-4):255-261, December 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901508>.

Wienke:1985:PPN

- [WH85] B. R. Wienke and R. E. Hiromoto. Parallel processing of numerical transport algorithms. *Computer Physics Communications*, 37(1-3):363-369, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901742>.

Wurtz:1989:NCS

- [WH89] Diethelm Würtz and Georg Hartung. Neural computing on a system of parallel organized transputers: Software implementation and hardware configuration. *Computer Physics Communications*, 56(2):155-163, December 1, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900179>.

Whalley:1989:DRH

- [Wha89] M. R. Whalley. The Durham-RAL high energy physics database — HEPDATA. *Computer Physics Communications*, 57(1-3):536-537, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902828>.

Wehrum:1986:SKF

- [WHD86] R. P. Wehrum, W. Hoyer, and G. Dießl. On some key features of Ada: Language and programming environment. *Computer Physics Communications*, 41(2-3):271-283, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900706>.

White:1989:CSP

- [Whi89a] Bebo White. The comparison and selection of programming languages for high energy physics applications. *Computer Physics Communications*, 57(1-3):538-542, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990283X>.

White:1989:DDA

- [Whi89b] Vicky White. Distributed data-acquisition systems (PANDA) for Fermilab experiments. *Computer Physics Communications*, 57(1-3):348-352, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902415>.

Wienke:1987:ELP

- [WHW87] B. R. Wienke, T. R. Hill, and P. P. Whalen. Eulerian and Lagrangian particle transport with drag. *Computer Physics Communications*, 43(2):171-180, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902037>.

Wickens:1987:CES

- [Wic87] Fred Wickens. The computing environment: a summary of the Asilomar Conference on Computing in High Energy Physics. *Computer Physics Communications*, 45(1-3):1-8, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901354>.

Wienke:1985:SSS

- [Wie85] B. R. Wienke. SNEX: Semianalytic solution of the one-dimensional discrete ordinates transport equation with diamond differenced angular fluxes. *Computer Physics Communications*, 38(3):397-402, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901079>

Wienke:1986:DCP

- [Wie86a] B. R. Wienke. Decomp: Computational package for nitrogen transport modeling in tissues. *Computer Physics Communica-*

tions, 40(2-3):327-336, June 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901177>

Wienke:1986:EEM

- [Wie86b] B. R. Wienke. ESECT/EMAP: Mapping algorithm for computing intersection volumes of overlaid meshes in cylindrical geometry. *Computer Physics Communications*, 39(2):259-266, February/March 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586901360>.

Wiegandt:1989:UH

- [Wie89] Dietrich Wiegandt. UNIX and HEP. *Computer Physics Communications*, 57(1-3):134-139, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902026>.

Williams:1981:TMS

- [Wil81] D. O. Williams. Trends in mass storage technology and possible impacts on high energy physics experiments. *Computer Physics Communications*, 22(2-3):353-363, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900710>.

Williams:1984:PCD

- [Wil84a] F. N. Williams. I. Program for calculating degenerate Raman bands of symmetric tops with an adaptation for infrared bands. *Computer Physics Communications*, 35(1-3):C-41-C-42, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823085>.

Williams:1984:PFT

- [Wil84b] I. R. Williams. Program for fitting transition energies into a level scheme according to the combination principle. *Computer Physics Communications*, 35(1-3):C-55, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823206>.

Wilson:1984:DMB

- [Wil84c] Stephen Wilson. Diagrammatic many-body perturbation expansion for atoms and molecules: III. Third-order ring energies. *Computer Physics Communications*, 35(1-3):C-452-C-453, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826569>.

Williams:1986:SLM

- [Wil86] David O. Williams. Software and languages for microprocessors. *Computer Physics Communications*, 41(2-3):295-326, August 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900731>.

Willis:1988:GSA

- [Wil88] P. J. Willis. Graphics structures and algorithms. *Computer Physics Communications*, 50(1-2):121-128, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901208>.

Williams:1989:CEL

- [Wil89] David O. Williams. Computing on the eve of LEP data-taking: Are we ready? *Computer Physics Communications*, 57(1-3):8-14, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901860>.

Wisinski:1987:EHE

- [Wis87] Dennis E. Wisinski. An environment for high energy physics code development. *Computer Physics Communications*, 45(1-3):417-421, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901834>.

Wienke:1984:AES

- [WL84] B. R. Wienke and B. L. Lathrop. Approximate and exact schemes for photon-Maxwellian electron cross sections. *Computer Physics Communications*, 34(1-2):77-86, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901619>.

Wolfram:1984:KPN

- [WMC84] Amy Wolfram, C. Fred Moore, and W. Rory Coker. Kinematical parameters of nuclear reactions. *Computer Physics Communications*, 35(1-3):C-110, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823681>.

Wienke:1984:HMC

- [WMCH84] B. R. Wienke, J. E. Morel, T. E. Cayton, and R. B. Howell. HPLAS: Multigroup cross section and reaction rate processor for coupled H, H₂ and H₂⁺ transport applications in plasmas. *Computer Physics Communications*, 34(1-2):87-99, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901620>.

Webb:1982:SLE

- [WMH82] S. J. Webb, J. J. McKeown, and D. J. Hunt. The solution of linear equations on a SIMD computer using a parallel iterative algorithm. *Computer Physics Communications*, 26(3-4):325-329, June 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901242>.

Wessel:1982:AMW

- [WML⁺82] R. Wessel, E.-Ch. Müller, H. Lucius, K.-P. Pleissner, and R. Kröber. Application of a microcomputer in wide angle X-ray scattering. *Computer Physics Communications*, 26(1-2):209-211, May 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582901710>.

Winkler:1985:AGM

- [WMN85] Karl-Heinz A. Winkler, Dimitri Mihalas, and Michael L. Norman. Adaptive-grid methods with asymmetric time-filtering. *Computer Physics Communications*, 36(2):121-140, April 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901183>.

Wooff:1985:CWP

- [Woo85] C. Wooff. Checking whether a point lies inside a polygon. *Computer Physics Communications*, 36(2):219-222, April

1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901250>.

Wooff:1986:GSF

- [Woo86a] C. Wooff. Generation of a smoothing function. *Computer Physics Communications*, 42(2):253–256, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558690041X>.

Wooff:1986:SDL

- [Woo86b] C. Wooff. Smoothing of data by least squares fitting. *Computer Physics Communications*, 42(2):249–251, October 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900408>.

Worlton:1984:EMM

- [Wor84a] T. G. Worlton. External modes of molecular crystals. *Computer Physics Communications*, 35(1–3):C–157, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482408X>.

Worlton:1984:IMR

- [Wor84b] T. G. Worlton. Irreducible multiplier representations. *Computer Physics Communications*, 35(1–3):C–215, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824571>.

Wong:1984:CGF

- [WP84] H. C. Wong and J. Paldus. Computer generation of Feynman diagrams for perturbation theory II. program description. *Computer Physics Communications*, 35(1–3):C–203, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824455>.

Werner:1989:FHL

- [WPVS89] C. M. L. Werner, M. Pimenta, J. Varela, and J. Souza. FADO 2.0: a high level tagging language. *Computer Physics*

Communications, 57(1-3):364-369, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902440>.

Wroldsen:1982:MCS

- [Wro82] J. Wroldsen. MULTIQUARK calculations with SCHOONSCHIP. *Computer Physics Communications*, 27(1):39-48, July 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900054>.

Wroldsen:1984:MCS

- [Wro84] J. Wroldsen. MULTIQUARK calculations with SCHOONSCHIP. *Computer Physics Communications*, 35(1-3):C-802-C-803, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829239>.

Wilson:1980:DMB

- [WS80] S. Wilson and V. R. Saunders. Diagrammatic many-body perturbation expansion for atoms and molecules V. Fourth-order linked diagrams involving triply-excited states. *Computer Physics Communications*, 19(3):293-297, July/August 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900831>.

Weniger:1982:PCS

- [WS82] E. Joachim Weniger and E. Otto Steinborn. Programs for the coupling of spherical harmonics. *Computer Physics Communications*, 25(2):149-157, February 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900315>.

Weniger:1984:PCS

- [WS84a] E. Joachim Weniger and E. Otto Steinborn. Programs for the coupling of spherical harmonics. *Computer Physics Communications*, 35(1-3):C-777, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829045>.

Wilson:1984:FLS

- [WS84b] W. Wilson and L. J. Swartzendruber. A flexible least squares routine for general Mössbauer effect spectra fitting. *Computer Physics Communications*, 35(1-3):C-231, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824704>.

Wormeester:1988:DDF

- [WSV88] H. Wormeester, A. G. B. M. Sasse, and A. Van Silfhout. Deconvolution, differentiation and Fourier transformation algorithms for noise-containing data based on splines and global approximation. *Computer Physics Communications*, 52(1):19-27, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901671>.

Wright:1980:CVP

- [WV80] L. E. Wright and C. W. Soto Vargas. Calculation of the virtual photon spectrum in distorted wave analysis. *Computer Physics Communications*, 20(3):337-347, November 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580900144>.

Wright:1984:CVP

- [WV84] L. E. Wright and C. W. Soto Vargas. Calculation of the virtual photon spectrum in distorted wave analysis. *Computer Physics Communications*, 35(1-3):C-639, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584828003>.

Wiggers:1989:UTZ

- [WV89] L. W. Wiggers and J. C. Vermeulen. The use of transputers in the ZEUS online system. *Computer Physics Communications*, 57(1-3):316-320, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558990235X>.

Winkler:1980:SNS

- [WW80] R. Winkler and J. Wilhelm. Solution of the non-stationary electron Boltzmann-equation for a weakly ionized collision dominated plasma. *Computer Physics Communications*, 20(1):113–118, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901162>.

Warren:1984:IVG

- [WW84a] J. L. Warren and T. G. Worlton. Improved version of group-theoretical analysis of lattice dynamics. *Computer Physics Communications*, 35(1–3):C-262–C-263, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584824972>.

Winer:1984:GWA

- [WW84b] K. Winer and F. Wooten. Generalization of Weber's adiabatic bond charge model to amorphous group IV semiconductors. *Computer Physics Communications*, 34(1–2):67–76, November/December 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584901607>.

Worlton:1984:GTA

- [WW84c] T. G. Worlton and J. L. Warren. Group-theoretical analysis of lattice vibrations. *Computer Physics Communications*, 35(1–3):C-127–C-128, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823838>.

Wei-wei:1988:CTB

- [WwYpCg88] Wang Wei-wei, Gan You-ping, and Bao Cheng-guang. Calculation of transformation brackets of hyperspherical harmonics of four-body systems with arbitrary masses. *Computer Physics Communications*, 50(3):331–340, August 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901890>.

Yates:1984:PCR

- [Yat84] A. C. Yates. A program for calculating relativistic elastic electron-atom collision data. *Computer Physics Communications*, 35(1-3):C-79, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823425>.

Yueh:1986:AEC

- [YB86] F. Y. Yueh and E. J. Beiting. Analytical expressions for coherent anti-Stokes Raman spectral (CARS) profiles. *Computer Physics Communications*, 42(1):65-71, September 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586902328>.

Youping:1987:PCR

- [YFL87] Gan Youping, Liu Fuqing, and T. K. Lim. Program to calculate Raynal-Revai coefficients of a three-body system in two or three dimensions. *Computer Physics Communications*, 47(1):149-157, October 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587900749>.

Youssef:1989:VMC

- [YMWW89] S. Youssef, W. Martin, T. C. Wan, and S. Wilderman. A vectorized Monte Carlo detector simulation program for electromagnetic interactions. *Computer Physics Communications*, 57(1-3):251-254, December 2, 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589902221>.

Youssef:1987:CLE

- [You87] S. Youssef. Clustering with local equivalence relations. *Computer Physics Communications*, 45(1-3):423-426, August 1, 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901846>.

Young:1989:HOI

- [You89] David M. Young. A historical overview of iterative methods. *Computer Physics Communications*, 53(1-3):1-17, May

1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901458>.

Yurtsever:1986:ODV

- [YP86] E. Yurtsever and M. Pehlivan. One-dimensional vibrational eigenvalue problem with numerical potentials. *Computer Physics Communications*, 39(3):431–437, April 1986. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465586900998>.

Yannouleas:1988:APS

- [YP88] C. Yannouleas and J. M. Pacheco. An algebraic program for the states associated with the $U(5) \supset O(5) \supset O(3)$ chain of groups. *Computer Physics Communications*, 52(1):85–92, December 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901750>.

Yannouleas:1989:AMS

- [YP89] C. Yannouleas and J. M. Pacheco. Algebraic manipulation of the states associated with the $U(5) \supset O(5) \supset O(3)$ chain of groups: orthonormalization and matrix elements. *Computer Physics Communications*, 54(2–3):315–328, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900945>.

You-ping:1985:PCG

- [YpMzCeCg85] Gan You-ping, Gong Min-zhuan, Wu Chong-en, and Bao Cheng-guang. Program to calculate generalized Talmi–Moshinsky coefficients of 3-body and 4-body systems. *Computer Physics Communications*, 34(4):387–393, February 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900670>.

Yuba:1985:SDC

- [YSHK85] Toshitsugu Yuba, Toshio Shimada, Kei Hiraki, and Hiroshi Kashiwagi. SIGMA-1: a dataflow computer for scientific computations. *Computer Physics Communications*, 37(1–3):141–148, July 1985. CODEN CPHCBZ. ISSN 0010-4655 (print),

1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901468>.

Yurtsever:1984:IPO

- [Yur84] E. Yurtsever. An integral package for one-center integrals over slater-transform-preuss functions. *Computer Physics Communications*, 35(1-3):C-519, ??? 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827010>.

Zacharov:1981:MCH

- [Zac81] V. Zacharov. Modern computer hardware and the role of central computing facilities in particle physics. *Computer Physics Communications*, 22(2-3):199-207, April 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581900497>.

Zalewski:1985:LSM

- [Zal85] Janusz Zalewski. Language selection for modular interface systems (part 2). *Computer Physics Communications*, 38(2):295-300, October/November 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585900931>.

Zalewski:1988:STR

- [Zal88] Janusz Zalewski. A step towards real time application of ada. *Computer Physics Communications*, 50(1-2):273-279, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901373>.

Zehrfeld:1984:CAS

- [ZC84] H. P. Zehrfeld and F. Casci. Calculation of axially symmetric resistive steady-state plasma equilibria in terms of pressure distributions. *Computer Physics Communications*, 31(2-3):155-165, February 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900432>.

Zakrzewska:1984:NCM

- [ZDN84] K. Zakrzewska, J. Dudek, and N. Nazarewicz. A numerical calculation of multidimensional integrals. *Computer Physics Communications*, 35(1-3):C-471, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584826703>.

Zorn:1981:TMS

- [ZHR81] R. Zorn, H. J. Herrmann, and C. Rebbi. Tests of the multi-spin-coding technique in Monte Carlo simulations of statistical systems. *Computer Physics Communications*, 23(4):337-342, August 1981. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465581901740>.

Zielinski:1988:SIW

- [Zie88] Tomasz P. Zielinski. On a software implementation of the Wigner-Ville transform. *Computer Physics Communications*, 50(1-2):269-272, July 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588901361>.

Zangwill:1984:NPO

- [ZL84] A. Zangwill and D. A. Liberman. A nonrelativistic program for optical response in atoms using a time-dependent local density approximation. *Computer Physics Communications*, 32(1):63-73, April 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465584900080>.

Zlamal:1980:FEM

- [Zlá80] Milos Zlámal. Finite element method in physical and technical applications. *Computer Physics Communications*, 20(1):37-42, September 1980. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465580901046>.

Zlokazov:1981:SPF

- [Zlo81] V. B. Zlokazov. SMOOS — a program for the filtration of non-stationary statistical series. *Computer Physics Communications*, 21(3):373-383, January 1981. CODEN CPHCBZ. ISSN

0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/001046558190014X>■

Zlokazov:1982:APA

- [Zlo82] V. B. Zlokazov. ACTIV — a program for automatic processing of gamma-ray spectra. *Computer Physics Communications*, 28(1):27–40, November 1982. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465582900601>■

Zlokazov:1984:APA

- [Zlo84a] V. B. Zlokazov. ACTIV — a program for automatic processing of gamma-ray spectra. *Computer Physics Communications*, 35(1–3):C–832, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584829446>■

Zlokazov:1984:DPA

- [Zlo84b] V. B. Zlokazov. Domus — a program for the analysis of two-dimensional spectra. *Computer Physics Communications*, 35(1–3):C–595, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584827654>■

Zlokazov:1984:SPF

- [Zlo84c] V. B. Zlokazov. SMOOS — a program for the filtration of non-stationary statistical series. *Computer Physics Communications*, 35(1–3):C–673, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482826X>■

Zlokazov:1984:USO

- [Zlo84d] V. B. Zlokazov. UPEAK — spectro-oriented routine for mixture decomposition. *Computer Physics Communications*, 35(1–3):C–440, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S001046558482648X>.

Zlokazov:1989:GGQ

- [Zlo89] V. B. Zlokazov. GFIT — generalized quadratic approximation of functions under constraints. *Computer Physics*

Communications, 54(2-3):371-379, June/July 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589900970>.

Zhang:1987:CSS

- [ZNF87] J. F. Zhang, D. B. Newland, and M. T. C. Fang. The computation of self-similar arcs. *Computer Physics Communications*, 47(2-3):267-280, November/December 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587901135>.

Zamani-Noor:1988:CVP

- [ZNO88] F. Zamani-Noor and D. S. Onley. Calculation of the virtual photon spectrum for a finite nucleus in distorted wave methods. *Computer Physics Communications*, 48(2):241-253, February 1988. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465588900446>.

Zohni:1984:FPC

- [Zoh84] O. Zohni. A Fortran program for the computation of the generalized Talmi coefficients. *Computer Physics Communications*, 35(1-3):C-123-C-124, 1984. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0010465584823814>.

Zhu:1989:MDS

- [ZR89] S.-B. Zhu and G. W. Robinson. Molecular dynamics study of liquid carbon monoxide. *Computer Physics Communications*, 52(3):317-321, March 1989. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465589901069>.

Zelazny:1987:SDS

- [ZS87] Roman Zelazny and Piotr Strzalkowski. A system for designing and simulating particle physics experiments. *Computer Physics Communications*, 43(2):231-243, January 1987. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465587902086>.

Zwarts:1985:RNP

- [Zwa85] D. Zwarts. RITSSCHIL, a new program for shell-model calculations. *Computer Physics Communications*, 38(3):365–388, December 1985. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0010465585901055>.