A Complete Bibliography of Publications in *Journal of Computational and Applied Mathematics (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: http://www.math.utah.edu/~beebe/

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Title word cross-reference

$(A - \lambda M)x = 0$ [NNOP86]. (n, p) [Aga88]. (p, n) [Aga88]. **$12.95** [Bul88c]. 2 [Han88]. **$223.75** [Bul88b]. **$29.50** [Rij80]. 3 [SvdV89]. **$34.5** [Bul88c]. $4k - 3$ [CH87b]. **$58.00/Dfl** [Van89a]. **$79.50** [Ano88f]. **$84.25** [Goo88b]. **$95.25** [Ano88f]. $_2$ [Gre81b]. A [Con87, vdV87]. A_0 [Tho82a]. $a_n \to 0$ [Jac88]. α [Roc88b]. $\approx$ [Ano89f]. B [Sho89]. C [JW89]. C^k [Sab85]. $C^S[a, b]$ [Köh89]. $\mathrm{Cl}_2(\Theta)$ [Gro84a, dD84]. d [Kle87, Pre87]. ϵ [Pre87, Tem88]. F [Bic82]. $f(A)x = b$ [vdV87]. $f(z)$ [JW89]. $F[\alpha, \beta]$ [Bic82]. $F_n(z) = F_{n-1}(f_n(z))$ [Gil88]. $f_n(z) \to f(z)$ [Gil88]. H^1 [Bia89]. $\hat{J}$ [Ran87]. $\int_0^1 x^{\nu-1}(1-x)^{-\lambda} \ln^m x \, dx$ [Köl87]. $\int_0^\infty \chi^{v-1}(1+\beta\chi)^{-\lambda} \ln^m \chi \, d\chi$ [Köl86b]. $\int_0^\infty \chi^{v-1}(1+\beta\chi)^{-\lambda} \ln^m \chi \, d\chi$ [Köl86a]. $J_\nu(x)$ [BGV81]. k [BLS84c, Bre89, Lee86]. $K(a_n 1)$ [Jac88]. $K(z_n/1)$ [Waa87b]. $K_n(z)$ [DC81]. L^∞ [Mil89]. L_2 [Bar83]. l_p [Zie84]. LDL^T [Han87]. $\ln^2(1+x)$ [SK89a, SK89b]. M [Lip81, HO88]. N [GM80a, Heb82]. P [Ana86, CN86, CRN86, Col88, JKG83, Lip81, AEH81]. q [Pre87]. QD [Van87a, Van89c]. QR [Gra86]. r [Bre89, Pre87]. R^3 [Cad87]. S [SK89a, SK89b, CG89, Pre87]. σ [Gro84b]. T_{+M} [Lem87]. τ [Col87a, Da 87]. $\times$ [Rij80]. $u_{xx} + (2\nu x)u_x + \epsilon^2 u_{tt} = u_t$ [GL84]. x [Sab83]. $y'' = f(t, y)$ [Cha86, CR87, CRN86]. $y'' = f(x, y)$ [FG86]. $y'' = f(x, y, y')$ [Ano84f, CS84a, CS84b, KJG83].

-acceptability [Con87]. **-algorithm** [Tem88, Van87a, Van89c]. **-algorithms** [Pre87]. **-approximation** [Zie84]. **-convergence** [Sho89]. **-dimensional** [GM80a]. **-direction** [Lee86]. **-error** [Mil89]. **-fraction** [JW89, SK89a, SK89b]. **-fractions** [Ran87]. **-method** [Col87a, Da 87]. **-norm** [Han88, Bia89]. **-parametric** [AEH81]. **-space** [Kle87]. **-stable** [DM82, Ana86, Bic82, CN86, CRN86, Col88, JKG83, Tho82a]. **-step** [CG89, HO88]. **-sums** [Gro84b]. **-th** [BLS84c, Bre89, Heb82]. **-type** [Roc88b].

0 [Ano88f, Bul88b, Goo88b, Lev88, Van89a]. **0-444-70209-1** [Bul88b]. **0-444-70340-3** [Van89a]. **0-444-70375-6** [Goo88b]. **0-521-33502-7** [Bul88c]. **0-521-33692-9** [Bul88c]. **0-8247-7811-1** [Ano88f]. **0-85274-418-8** [Lev88]. **006** [GM80a].

1 [Ano88f, Bul88b]. **135** [Ano84e]. **1s** [Van87b].

2 [BR89]. **205** [NNOP86]. **224** [Ano89k]. **25** [Ano89k].

3 [Bul88a, Van89a]. **3-527-26463-9** [Bul88a].

5 [Ano89f].

6 [Goo88b].

7 [Goo88a].

8 [Ano82, Duf89, Lev88].

9 [Ano84f, Ano84e, Bul88a]. **90** [Ano84f, Goo88a]. **90-6196-292-7** [Goo88a]. **90s** [Cas88]. **975** [Ano89f]. **975-429-007-5** [Ano89f].

Abel [CM84, Cap88]. **Abel-type** [Cap88]. **Absolute** [CS84a, CS84b, LW88]. **absolute-value** [LW88]. **absorbing** [GGD81]. **abstract** [Van89a]. **Academic** [Rij80]. **Accelerated** [LM86b, Mar86, NIS82, aON88, Yey88, Yey89]. **Acceleration** [GK89, Lem87, Bre85, Dic89, EL88, Jac88, JY88, LB88, Not88, Sab87, Pre87]. **accelerometer** [Mur87]. **acceptability** [Con87]. **accuracy** [Jel85]. **accurate** [Ana86]. **acoustic** [Ami87]. **Adam** [Lev88]. **Adams** [BGS88, Kho86, Tho82a, Tho82b]. **Adams-type** [Kho86, Tho82a, Tho82b]. **adapting** [vdHS86]. **Adaptive** [Kri82, Ber89a, GM80a, JY88, KR87, SS89a, YaOIN85]. **ADI** [BH83, De 84, Dyk86, Mam89, vdHdV83]. **adjacency** [Maa85]. **adjoint** [Hen87, Lip83a]. **adjusting** [WO80b]. **adjustment** [Mur87]. **Adomian** [Nel88]. **advances** [Bru82, BOP84, Zla87]. **Advantages** [HM85]. **agglomeration** [Spo89]. **aggregate** [Kiw86]. **aggregation** [Bla88]. **aid** [Rou87]. **airfoil** [Ioa88]. **algebra** [Dra87, Dra88, HH89, Kos88]. **algebraic** [BL87a, Gre86a, HC85, Say88]. **Algorithm** [PB84, AL87, CvD89, Cla81, Cos88, DI89, DL82, Die86, DSV88, Dra87, DKW84, EKL89, FL85, GM80a, Gra86, GM80b, Hof89, HS82, Jab80, JH89, KP82, Kip89, KKK89, LQ86, Lip81, LM84, McC81a, McC81b, Oli80a, PA89, Roo85, Ste85, Tem88, VVH87, VV88, Van89b, Van87a, Van89c, Von88, WKGC87, GM80a]. **algorithmic** [Lip83a, Sar88, Rij80]. **Algorithms** [Smy85, Ano83c, BZ89, BS89, Bul80, Dah86, EL89b, Fuk84, HKD86, KTS88, Mac82, MS88, Niz80, Niz84, Pre87, YaOIN85, vdC82, WO80a]. **Alliant** [Duf89]. **allowed** [KG87a]. **alpha** [NSIO82]. **alternating** [GK89]. **Alternative** [Hal82]. **among** [Del87]. **amplitude** [Gol86]. **Amsterdam** [Ano86f, Bul88b, Goo88b, Goo88a, Van89a]. **analyses** [SB88a]. **analysis**

[BW89, Col80, Dic82a, ELS88, FW87, Gwi81, HC85, Kam83, Nii86, Niz80, Rou87, Sar88, Tt89, Twi86, Ano89f]. **analytic** [EL89a, Eie84, Gil88, Ioa89, JNT83, Kli87a, Kli87b, Let81, Pri80, Son89]. **Analytical** [CH88, Gre87, GG88, How84]. **Announcement** [Ano89a]. **Announcements** [Ano87a, Ano88a]. **answer** [Axe85]. **antennas** [SGC85, SG88]. **AOR** [Yey88, Yey89, KJ88, Mar88]. **Appl** [Ano82, Ano84f, Ano84e]. **application** [Aga83, Bog86, DN87, DN88, GLSZ87, Ioa84, Ioa86b, KL87, Nev85, Oli80b, Rei86, Von88]. **Applications** [EL89b, Son89, Ano82, BDvdM82, Bia89, Gau85, GV87, Goo88a, Ham82, ITH88, Pap89, Pap82, Tt89, Usm80, Waa87a, WO80a, dLM89, Ano86e]. **Applied** [Ano88m, Ano89k, AHCW86, ACCK88, Ano86j, Ano87n, Ano87o, Ano88f, Ano88n, Ano89o, Ano89p, Cad87, Mie89, Nii86, Puu88a, Sar88, Sny87]. **approach** [ÁKS88, FK88, GL87a, Gre81a, Gre81b, Ioa81, Kli87a, Sar88, WG81]. **approximants** [Con87, Cuy86, De 88, Eie84, GV87, GM81, GMS88, Hop82, JM80, Luk82, Mag87, McC81b, Pre83, Sab83, Sid80, Sid81, Wal87]. **Approximate** [eMH89, AMHAEM89, BTB88, Aga83, BW89, Hem82, Kam83, Lip83a, Ong84a]. **approximating** [Gre86a, Let87]. **Approximation** [BGV81, Dun88, Abd81, AHCW86, Bak84, BGN81, Col87a, Cro87, Cuy85, DM84a, Dun80, Dun82, Dun84a, Dun84b, Fuk84, GS86, HO86, IS87, LM82, LM84, Oli80c, Pap82, Pas87, Pri80, Roh87, Smi87a, Soh89, Son89, Van88, Zie84, Ano86d]. **approximations** [BL87a, Bia89, BZ84, Col87b, GL83, Ioa88, JH89, Luk80, Nak87, PW81b, Usm80, Waa87b, ZH80]. **aquifer** [SOA82]. **arbitrarily** [Fab87, Far86]. **arbitrary** [Cos88, Gre86b]. **architectures** [BE89]. **arcs** [Ioa89]. **area** [BP86]. **argument** [Sha88a]. **arising** [Dix87, Gd80, Gla84, Had85, Hüb86b, NR85, SGC85, SG88]. **arithmetic** [VS88]. **Arlington** [Bul88b]. **ARMA** [Bul84a]. **Artificial** [Goo88b]. **Aspects** [Whe85, BE89, CSR87, Fre84, Lon84, Sid80]. **assignment** [Niz84, Ren88]. **associated** [Gro86, Mur87, Not88, VVH87, Wam80]. **Asymptotic** [Cam87, Che84, Ano84e, Chi81, GL87a, McC83, Sal83, Van85]. **asynchronous** [HM85]. **atom** [Gre86b]. **atomic** [Van87b]. **atoms** [Gre81a, Gre81b, Gre87]. **attention** [DW89]. **Author** [Ano83a, Ano84a, Ano84b, Ano85a, Ano86a, Ano86b, Ano86c, Ano87e, Ano87b, Ano87c, Ano87d, Ano88d, Ano88e, Ano88b, Ano88c, Ano89b, Ano89c, Ano89d, Ano89e]. **autocatalytic** [KP89]. **Automatic** [CH87a, Fis89, GLG85, GSB87, ITH88, RD81, Cal85, Chu83]. **Automation** [For86a]. **auxiliary** [De 85]. **average** [Gre86a]. **axisymmetric** [Gol86].

B [Ano86d, Ano89f, Goo88b, Bul88c, Neu81, Soh88]. **B-splines** [Neu81, Soh88]. **Banach** [Cro87, Yam88]. **banded** [Pap82]. **bandwidth** [Smy85]. **bandwidths** [Lip81]. **Bareiss** [DI89]. **barrier** [GGD81, Jel86]. **based** [ALE84, Cha87, Dic85, Gut86b, Hel82, JV89, NF84, Rab87b, Rab89, Tem88]. **Basel** [Ano88f]. **basic** [Fre84, PF84]. **basis** [EM86, Wan85]. **BDF** [BGS88]. **beamforming** [SGC85, SG88]. **behavior** [MS88]. **Benders** [BB83]. **Bernstein** [Ano89k, GN89]. **Bessel** [Ano84e, BGV81, DC81, Gab80, GL83, ISK87, IS88, Laf86, PB84, Sal83, Tem81]. **best** [Köh89, LD86]. **Between** [dB80, AN81, DRV89, GGD81, Gol86, Gro84b, Mur87, RS86]. **Bézier** [LY89]. **Bi** [IS87, IN87, KP89]. **Bi-orthogonality** [IS87, IN87]. **Bi-periodicity** [KP89]. **bibliographies** [Ano83d, Gar86b]. **Bibliography** [Gwi81, Cuy87b, GS80]. **bidiagonal** [SvdV89]. **Bifurcation**

[MMSY84, Man84b, Cal85, DRV89, DW89, Her83, Roo85, Smi87a, Smi87b]. **bifurcations** [Chi89, LST89, SCJ89]. **biharmonic** [RV88]. **Biomolecular** [ELS88]. **Bivariate** [dBH83, Lee86]. **blending** [Cad87]. **Block** [AP88, DSH89, Axe85, Bul84b, Bul84c, SvdV89]. **board** [Ano83b, Ano86h, Ano87f, Ano88i, Ano88j, Ano89g, Ano84c, Ano84d, Ano86g, Ano86i, Ano87g, Ano87h, Ano87i, Ano88h, Ano89h, Ano89i, Ano89j]. **Böhmer** [Ano86e]. **Boltzmann** [Léc89]. **Bolyai** [Bul88b]. **Book** [Ano86d, Ano86e, Ano86f, Ano88f, Ano89f, Bul88a, Bul88c, Bul88b, Goo88b, Goo88a, Lev88, Rij80, Van89a]. **bordered** [Men87]. **bottom** [BeMM86]. **bound** [DKW84, Maa84]. **Boundary** [AA82, IS85, Aga83, AC84, AU86, Aga87, Aga88, Ami87, AT80, Bia89, CK80, CK82, CS86, CS87, Cha87, CSS88, CS88, De 85, DR87c, ES85, EO82, FVD87, Ioa89, KR86, LM82, Lav84, Lin86, Man84a, MG89, Mu89, Mur82, NR85, Niz80, Özi89, PW81a, PD88, Rei84, RC86, RD87, Ruo87, RS89, Sha88a, Slo86, Sny87, SS88, Tt89, TW86, TT87, Usm80, WO80a, WO80b, ZN84, dG81]. **boundary-value** [Cha87, CSS88, CS88, LM82, Lav84, Man84a, Sha88a, SS88]. **bounded** [EHL89, SO87]. **boundedness** [Gar86a]. **Bounds** [BLS84a, BLS84c, BLS84b, IS88, Kio86, BF89, DG82, EL88, ISK87, JH89, KG87a, Yam85]. **box** [CDR89, Lee86, dBH83, Col80]. **branch** [DKW84]. **Branched** [Sie80, Cuy87a, CV88, Sie83]. **breaking** [Bud89]. **brief** [KY88]. **Bristol** [Lev88]. **buckling** [Chi89]. **Budapest** [Bul88b]. **Burry** [Ano86d].

C [Rij80]. **cable** [DM84b]. **calculating** [Bla87]. **Calculation** [Pre87, Cal85, Cal86, Cuy86, Gd80, Gro88, HS82, SCJ89]. **calculations** [PMD87]. **calibration** [Bog86]. **Call** [Ano88g]. **Callocation** [PJ80]. **CAM** [Ano83c, Ano83d]. **Cambridge** [Bul88c]. **Canada** [Ano88f]. **Canonical** [EL89b]. **capacity** [Niz84]. **Carlo** [BC82, Jab80, Lam85]. **case** [Roc88a]. **cases** [Zem86]. **Catastrophe** [Puu88a]. **Cauchy** [Dic85, Ger86, Hel82, Ioa81, Ioa86b, Ors89, dB80]. **Celebi** [Ano89f]. **cell** [Dix87]. **census** [Von88]. **center** [Mur82, Son89]. **centered** [Rok87]. **centralization** [AZ88]. **Centre** [Goo88a]. **certain** [BLS84a, CK87, GL87a, GK86, GV87, GG85, IMT87, Rei86, Tho82a, WP86]. **CF** [GS86]. **CG** [YaOIN85]. **channel** [Wat81]. **Characterisation** [Col88]. **characteristics** [PC80]. **characterizations** [De 89]. **characterizing** [Fis89]. **charged** [Fab87]. **Chebyshev** [Abd81, AEH81, DL82, Dun80, Dun82, Dun84b, HT87, JY88, Kar88a, Kar88b, PR88, SL86, Zie84]. **choice** [DKW84, NNOP86]. **Cholesky** [Han87]. **circle** [Die86]. **circuit** [AHCW86]. **circular** [CH87a, Rok87]. **class** [Ana86, CK80, CS86, Cha86, CS87, Cle81, Col88, FL85, Fuk84, Pap82, Ran87, Sab85, SGC85, SG88, Sug87a, Tt89, WP86]. **Classical** [ET86, Mu89, Van89b]. **Classification** [DN87]. **Clausen** [Gro84a, dD84]. **clear** [Whe85]. **closed** [Rab87b, Weg88]. **cluster** [Rou87]. **clustering** [Miy89]. **cm** [Rij80]. **Co** [RM89]. **Co-recursive** [RM89]. **coal** [Spo89]. **coaxial** [Fab87]. **cocircuits** [Ano82, Ham82]. **code** [Duf89]. **codes** [BGS88, Sha87]. **coefficients** [BB88, Che84, Heb82, Hop82, Jan87, Kar88a, Kar88b, Luk80, Luk82, Ste87]. **coinciding** [MPN82]. **Collocation** [Joe85, Bel84, Rei84, RC86, RS89]. **Colloquia** [Bul88b]. **colored** [CC86]. **Combined** [MP88]. **Comment** [Ast82]. **Comments** [Ado89, McN86b]. **common** [KLT89]. **commutative** [Dra87, Dra88]. **comparative** [De 84]. **Comparison** [McN86a, DM83, EM86, KB88, Mac82,

McN88, Roo85]. **complements** [Tem88]. **Complete** [BDvdM82]. **Completeness** [Kli87b]. **Complex** [Col87a, AL86, BGG88, Col87b, JT85, Mag87, Pet82, PS86, Pri80, Rok87]. **Complexity** [Kos88, Ros88]. **Composite** [Sab85, Car89, Mas87, PF84]. **Compositions** [Gil88]. **compressible** [Van80]. **Comput** [Ano82, Ano84e]. **Computation** [GMM89, GR89b, JM80, Ste87, CH87a, DI89, DF89, FL85, FW87, GLSZ87, Gro84a, Ioa81, ITH88, JT85, PA89, PB84, Roo85, WP86, WKGC87, WG81, vLK88, vdC82, Goo88b]. **Computational** [Ano88m, Ano89k, DW89, Zab88, Ano86j, Ano87n, Ano87o, Ano88l, Ano88n, Ano89o, Ano89p, Fre84, MS83, NA88]. **Computations** [Luk80, DSH89, NR85]. **Compute** [Ano84f]. **computed** [Kam83]. **Computer** [Abd81, Goo88b, CK87, ELS88, Goo88a, Gre81a, Gre81b, Hof87, Kli88, Niz84]. **computers** [HH89, Hak88, RLW89, SvdV89]. **Computing** [Maa85, VS88, Wal88, Cas88, CvD89, CK82, Cos88, FVD87, Gab80, McC81a, Rok86, SV87, VVH87]. **concepts** [Roc88a]. **concerning** [Gro84a, LLM82, LM86b]. **condensed** [DSH89]. **Condition** [NR85, Yey89]. **Conditioning** [BW89, Bul84a, Kam83]. **Conditions** [Heb82, BP80, CK80, EO82, Ioa89, PW81b, TW86]. **conduction** [MP88, Mur88]. **conferences** [Ano87a, Ano88a, Ano89a]. **configuration** [Day84a, Day86]. **configurations** [DM84b]. **confluent** [Tem81]. **Conformal** [TW86, Ber86, Del87, Gut86b, HO86, Hoi86, Hou85, Hüb86b, KT86, May86, PWH83, PW84, PWH86, PKW87, Pap89, Rei86, Weg86a, Weg86b, Weg88, Zem86]. **congress** [Ano89n]. **conical** [KG87a]. **Conjugate** [vdVD88, Gut86a, Kaa88, Lip84, MS88, MH83, Seg84]. **conjugate-gradient** [MH83]. **conjugation** [Gut86b, Hen82]. **connected** [May86, PW84, Weg86b]. **connection** [AEH81]. **conservative** [OS87]. **constant** [Jan87]. **constrained** [GMSW88, Seg84, Sny88, Ste85]. **constraints** [GLG85, KG87a, LW88, Mur87]. **constructing** [HO86]. **Construction** [CH87b, FS87, Jan87, SS89a]. **Constructive** [Gau85, ÁKS88]. **contender** [LD86]. **continual** [GW81]. **Continuation** [CPS89, Gar86b, MM89, ACG89, BM89, HM89, SF84, Slo86]. **Continued** [BS83, Gd80, BL87b, Bre87b, Bul80, Cuy87a, CV88, JW86, Jac87, Jac88, Lem87, Lem89, Lev86, LB88, McC83, Sie80, Sie83, Waa87a, Waa87b, dB83, vdC82]. **continuity** [CWW84, WW89]. **contour** [Ioa89]. **contours** [DSV88, Ioa89]. **Contraction** [Aga83]. **contractivity** [De 89, Spi85]. **Control** [Sha87, Ano88f, Cas88, FB89, KTS88, LY89, Niz84]. **controlled** [MW89, Özi89]. **convection** [Bir81, Gol86, MG80, NSOS88, Van80, dGvV89]. **convective** [IS85, Wil86]. **converge** [Dah86]. **Convergence** [BL87a, Bre85, CM86, Dru84, Ran87, RV88, Sab87, SL86, SB88a, Van89c, Ado84b, AR86, Aga88, AL86, BL87b, Eie84, EL88, Fuk84, GM81, GMS88, Hal84, Jac88, JH89, KL87, LQ86, Lav84, LB88, Mag87, Mar88, Rab87b, Sho89, Yey89, dB83, WO80b]. **Convergent** [Ado84a, Paa89, TFI88]. **Convex** [Met83, Met84, Fuk84, Tun87]. **convolution** [BD87, Soh89, Tem85]. **coordinate** [Özi89]. **corner** [PWH86]. **corners** [BP86, Ruo87]. **Cornu** [MW89]. **Correction** [Ano86e, Hem82, MH83, Ten87]. **corrections** [Sol89]. **correctness** [Van89a]. **corrector** [SF86, SF87, Sha81]. **correctors** [Tho82a]. **correlations** [DI89, EL89b]. **correspondence** [Jac87]. **corresponding** [McC83]. **costs** [Ano89f]. **Coulomb** [Bar82]. **counterexample** [Ado89]. **countries**

[Ano88f]. **coupled** [JH89, VDD80]. **course** [Ano88l]. **CRAY** [HH89]. **criss** [DM84a]. **criss-cross** [DM84a]. **Criteria** [Szu89]. **critical** [Nel88]. **cross** [Cam80, DM84a, Tem88]. **cross-rule** [Tem88]. **cross-section** [Cam80]. **CTR** [KTS88]. **Cubature** [Kea87, CH87a, CH87b, Sol87]. **Cubic** [KR86, PS87, ALE84, BP80, CS88, Met83, Met84, PW81a, PW81b, Pap82]. **curiosity** [Gre86b]. **curvature** [MW89, Ron86]. **curve** [Kli87b]. **curves** [BM87, Cad87, DRV89, LY89, MW89, RR81, Ruo87, Weg88]. **cusp** [GR89b]. **cuts** [BGN81]. **CWI** [Goo88a, Van89a]. **CYBER** [NNOP86]. **cylindrical** [Dyk86].

D [Bul88b, SvdV89]. **DAE** [Mie89]. **Dahlquist** [Jel86]. **damped** [BM89]. **data** [DD87, Die86, Far86, FK88, Kle87, LR89, Mur87, Van89a]. **Dawson** [Col87a]. **DE-formula** [Sug87c]. **DE-rule** [Mor85]. **decade** [Bre85]. **decentralization** [AZ88]. **Decision** [AZ88]. **decomposition** [Ado84b, AR86, AR88, Ado89, AP88, Nel88, WW89]. **decompositions** [BGG88]. **decrease** [EL89a]. **defect** [Hem82, Ano86e]. **defective** [SB88a]. **deficient** [Hem82]. **defined** [Sid87]. **defining** [Hop82]. **definite** [BW89, GHLN89, PR87, vdV87]. **definition** [Jac88]. **deflection** [AA82]. **degree** [CH87b, Cos88, Lip84, ST87, Soh89]. **Dekker** [Ano86f, Ano88f]. **delay** [AM84, Bel84, Bru89, FB89, Tor89, vdHS84]. **dependence** [KTS88]. **dependent** [De 85, HM89, KG87b, NSOS88, ZH80]. **depending** [Cri86]. **derivation** [Yam85]. **derivative** [DC81, Kar88a, Kar88b, PW81b, TW86]. **Derivatives** [Waa87a, ITH88, Oli80c, PA89, Rok86]. **derived** [HC85]. **deriving** [KG87a, Sid81]. **Design** [CC86, Saa88b]. **desired** [KPC80]. **Detection** [Han87]. **determinants** [WP86]. **Determination** [Ioa86a, GL87a, PWH83, PM83, Rei84]. **determine** [Hoi86]. **deterministic** [Gre87, GLSZ87]. **development** [Roc88a]. **developments** [GMSW88]. **device** [CPS89, WW89]. **Dfl** [Bul88b, Goo88b, Goo88a]. **diagonal** [CK82, Lip81, dB80]. **diagonally** [Paa89, Som87]. **difference** [AE89, BZ89, Bic82, BC82, CK80, CK82, CS86, Cha87, Dic85, Dic89, FVD87, Jel85, LLM82, LM86b, Mas87, McC81b, Nii86, Pan89, VS85, Vul89, ZH80, vdHS86]. **differences** [CV88, Ypm87]. **differentiable** [Gwi81, Kar88a, Kar88b]. **Differential** [Ano86f, AM84, BL87a, BTB88, Bel84, BZ89, Bic82, Bru82, Bru86, Bru89, Car89, CN86, Col88, Cri86, Da 87, Day86, Dic82b, Dix86, Dix87, FG86, FB89, GR81, Heb82, Her83, Jan87, JV89, JH89, KLS87, Kri81, Kri82, NF84, OP85, PR88, Roc88b, RM89, SB84, Sha88a, SGC85, SG88, Tt89, TBB88, Tor89, VS85, VDD80, Vol88, Ypm86, ZH80]. **differential-difference** [Bic82]. **differentiation** [DN87, Fis89, Oli80a]. **difficult** [Zem86]. **diffusion** [Bir81, Dix87, EM86, IS85, KP89, MMSY84, Man84b, MG80, MS89, NSOS88, Özi89, SV87, dGvV89]. **diffusion-controlled** [Özi89]. **digital** [CC86]. **Digitale** [Bul88a]. **dimension** [Wan85]. **dimensional** [BH83, ES85, GM80a, GG88, How84, KR87, Smi87a, Son88b, Sug87b]. **dimensions** [AE89, Bog86, De 84, Gro88, Lip83a]. **dipole** [MSW89]. **Direct** [Bul84b, Lip83a, Cal86, DL82, LM86a, Lin89, SS89b]. **direction** [Lee86, dBH83]. **directly** [SG89]. **discharge** [AHCW86]. **discontinuities** [WO80a, WO80b]. **discontinuity** [Ioa89]. **discrepancy** [Lam85, Léc89]. **Discrete** [Weg88, Abd81, Bla88, DL82, Dic82a, Dun80, Dun82, Kle82, MS89, Mur88, Mur87]. **discrete-time** [Kle82, Mur87]. **discretisation** [MC85]. **discretization**

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H [Ano84e, Ano86d, Ano86e, Bul88c, Cuy87b]. **H/b** [Bul88c]. **half** [ES85]. **half-plane** [ES85]. **Hamburger** [Hen87]. **Hamming** [Bul88a]. **Hankel** [Bul84b, Bul84c]. **harmonic** [Son88a, Ste87]. **Hartman** [Bon87]. **heart** [MSW89]. **heat** [MP88, Mur88, PF84]. **heated** [SR88]. **HERMITE** [Met83, Met84, AL87, Bak84, BL87a, Pas87, Rab89]. **HERMITE-spline** [Met83, Met84]. **Hermitian** [Yey88]. **Hessenberg** [Gra86]. **heteroclinic** [DF89]. **hierarchical** [MS88]. **High**

[AT80, Bar82, Bru86, FR80, JKG83, Lin86, PD81, VS85, AHCW86, Bog86, SS89a]. **High-order** [Bru86, JKG83, Lin86, SS89a]. **High-precision** [Bar82]. **Hilbert** [Hen87, Weg88]. **Hilger** [Lev88]. **Hill** [WP86]. **holes** [Dyk86]. **Holland** [Ano86f, Bul88b, Goo88b, Van89a]. **homogeneous** [Jan87, PC80, VCL87, Wad80]. **homotopy** [Wat81]. **Hopf** [DRV89, DW89, Roo85, SCJ89]. **hopscotch** [BH83, Ten87]. **Huberman** [Goo88b]. **hundred** [DC81]. **Hungary** [Bul88b]. **hybrid** [Dic82b]. **Hydrogen** [Gre81a]. **hyperbolas** [Yam88]. **hyperbolic** [Jel85, Sny87, VS85, vdHS86]. **hypercube** [BR89, EKL89, GHLN89]. **hypergeometric** [Sid81, Tem81, Waa87a].

IBM [HH89]. **ideal** [NS82]. **identification** [SOA82]. **II** [AP88, Bul84c, CSR87, CR86, Gre81b, KK89, Lin86, Man84b, SG88, WO80b]. **ill** [Bul84a]. **illustrated** [Jac88]. **illustrative** [Gro85]. **imbedding** [SOA82]. **Implementation** [Roc88b, BE89]. **implications** [PP89]. **Implicit** [Mas87, Lip84, Mit87, PR88, Sha81, Som87, Spi85]. **improved** [PW81b]. **improvement** [AL86]. **improvements** [PM83, PS86]. **impulse** [KB88, SB88b]. **inclusion** [Pet82]. **Incomplete** [Axe85, JT85]. **incompressible** [KG87b, Ten87]. **increase** [Mam89]. **Indefinite** [HT87, Saa88a]. **Index** [Ano89d, Ano83a, Ano84a, Ano84b, Ano84g, Ano85a, Ano86a, Ano86b, Ano86c, Ano86k, Ano87e, Ano87b, Ano87c, Ano87d, Ano87p, Ano88d, Ano88e, Ano88b, Ano88c, Ano89b, Ano89c, Ano89e]. **Inequalities** [Laf86, HM89, LS88, MM89, dLM89]. **inequality** [Dun84a, Dun84b]. **infinite** [CS86, GG83, KR86, Lyn85, PD88, SW88, Sid87, Sug87a, TFI88, Tez89, Wad80]. **infinitely** [Kar88a, Kar88b]. **infinity** [Gro84b]. **Influence** [RR81]. **information** [BdTL85, Kli88, Ros88, Saa88b, vdV87]. **Informationstechnologie** [Bul88a]. **initial** [Ana86, BZ89, BOP84, CR84, Cha85, CR86, Chu83, GSB87, JKG83, Jai88, JG88, Kri81, Kri82, Mu89, SB88b, Sny87, Twi86, WO80b]. **initial-boundary** [Mu89]. **initial-value** [BZ89, CR84, CR86, Jai88, JG88, SB88b]. **Inner** [Gri82]. **input** [CC86]. **instability** [CH88, GR83]. **Institutional** [Ano87j, Ano87k, Ano88k, Ano89l]. **instrument** [Puu88b]. **integer** [GW81]. **Integral** [Cub84, Ber86, Ber89b, Bru82, Cah81, Cal85, CM84, Cam87, Cap88, Col87a, Dix86, ED89, Ger86, Gro84a, GG85, HLS88, HC85, Hou85, Hüb86a, Ioa82, Ioa84, Ioa86b, Joe85, KG87a, Köl86b, Köl86a, Köl87, MC85, MO87, NR85, PE87, Rei86, RS89, Sug87a, Tem85, dD84]. **integrals** [AR88, AE88, Ala83, BLS84a, BLS84b, Ehr88, Gab80, GL87a, GK86, Gla84, GLSZ87, GG88, Gro88, Ioa81, Ioa86b, Ioa89, KG87a, Let87, Ors89, PB84, Rae82, Sid87, WKGC87]. **integrands** [ALE84]. **Integrating** [Lyn85]. **integration** [ALE84, Ana86, BGV81, Ber89b, Bic82, CM84, Car89, CR84, Cha85, CR86, FW87, GLG85, GM80a, HT87, JKG83, JV89, Joe89, KR87, KL87, Lau85, PR88, Rab87b, Rab87a, Rab89, RD81, RWP85, Slo85, SO87, Sug87c, SS89a]. **integration/interpolation** [Bic82]. **integrations** [Sug87b]. **integro** [Bru82, Bru86, Bru89, Dix86, Dix87, Vol88]. **integro-differential** [Bru82, Bru86, Bru89, Dix86, Dix87, Vol88]. **integrodifferential** [PJ80]. **Intelligence** [Goo88b]. **Interaction** [DRV89]. **interactions** [LLM82, LM86b]. **Interactive** [ZH89]. **interface** [RS86]. **interior** [Rab87a]. **International** [Ano88l, Ano89f]. **interpolants** [DR87b, GMM89, GM84]. **interpolating** [Cos88, LY89]. **interpolation** [AL87, Bic82, Bre83, Cad87, CDR89,

Dun84a, Far86, FK88, Fre84, GL87b, Hel82, Hen82, KL87, Mac82, McN86a, McN86b, MPN82, Met83, Met84, NSIO82, Oli80c, PS87, Pri87, Rab89, ST87, SH87, Weg88]. **interpolation-basic** [Fre84]. **interpolatory** [BP80, BP88, Ioa84, Rab87b]. **interpretation** [Ioa86b, PR87, Rou87]. **interpreting** [Maa85]. **interval** [GS80, Gar86b, Gar86a, Maa84, Sug87a]. **intervals** [Cha86, KR86]. **intrinsic** [Kam83]. **introduction** [ACCK88]. **Invariance** [Bak84]. **Invariant** [SOA82]. **Inverse** [KK89, Kri81, DL82, GMS88, Hem82, Hof89, MP88, Mur88, PP89]. **Inverses** [Pap82]. **inversion** [HH84]. **invited** [Ano85b, Ano87l, Ano89m]. **involving** [Sha88a]. **ions** [Gre81a, Gre87]. **iPSC** [BR89]. **iPSC/2** [BR89]. **irregular** [Bar82]. **ISBN** [Ano88f, Ano89f, Bul88a, Bul88c, Bul88b, Goo88b, Goo88a, Lev88, Van89a]. **isoclinal** [Men87]. **isoparametric** [BM87, DMP87]. **isothermal** [KP89]. **iterated** [Vol88]. **iteration** [AEH81, BPW89, Mie89, PS86, SB88a]. **iterations** [Bre89, Hal84, McN88]. **Iterative** [AC84, AU86, Ber88, DMP87, FH88, Miy89, MO87, Sha88a, Aga87, Aga88, Ami87, AL86, CG89, DR87a, Had85, Had87, HKD86, MS86, NSO80, NIS82, Not88, Pet82, RV88, SL86, Sar88, Say88, SW88, Weg86a, Weg86b, vdV87]. **ITPACK** [KY88].

J [Ano82, Ano86d, Ano86e, Ano86f, Ano88f, Lev88, Van89a]. **J.** [Ano84f, Ano84e]. **Jacobi** [CvD89, Deh81, Gro86, Hou85, KP82, Paa89]. **Jacobi-like** [CvD89, KP82]. **Jacobian** [DM83, Ypm87]. **Jacobians** [Day84b]. **Jain** [Ano84f]. **Janos** [Bul88b]. **Janssen** [Goo88a]. **Jenkins** [Col80]. **Johnstone** [Bul88c]. **Jordan** [Hof89]. **Journal** [Ano83c, Ano83d, Ano89k].

Kaczmarz [MD86]. **Kambo** [Ano84f]. **Karasö** [Ano89f]. **kernel** [Cub84, Ger86, KT86]. **kernels** [PJ80, Rae82]. **Khovanskii** [Lem89]. **kind** [Ber86, CM84, Cap88, ED89, Gro86, HC85, Hou85, Joe85, Rei86, vLK88]. **Klein** [Xin88, CH88]. **knapsack** [DKW84]. **knots** [BP80, CH87a]. **known** [Ioa89]. **Kronrod** [Ano89k, GN89]. **Krylov** [vdV87]. **Kutta** [Ano86f, CS84a, CS84b, FG86, Som87, CQ82, DP80, DP86, Heb82, LDS87, PD81, Sot84, Spi85, VSV89, VDD80, Wam80].

L [DM82]. **lag** [CR84, CR86, CRN86, CR87, Kle82, Twi86]. **Lagrange** [GLG85, KL87]. **Lagrangian** [McN86a, McN86b]. **Lanczos** [Col87a, CW85, Deh81]. **Laplace** [Cam80, HH84, Rei84, Tem85, TW86, ZH80]. **Laplacian** [Pap89, Rae82]. **Large** [ACG89, eMH89, CW85, ITH88, Lip84, aON88, Ong84a, RLW89, VDD80, Zla87, dG81]. **large-scale** [ITH88]. **Lattice** [Slo85, AG88, Joe89, Sug87b]. **Laurent** [KK89]. **Lauricella** [vLK88]. **layer** [MC85]. **layered** [LR89]. **layers** [ZN84]. **leads** [BdTL85, DRV89]. **Leapfrog** [Say88]. **Least** [PP89, VCL87, Bul84a, Far86, NS82, SF84, Sar88, VV88, Van89b]. **least-squares** [Sar88]. **Lecture** [Ano88f]. **Lee** [Ano88f]. **Legendre** [JV89, Let81]. **lenticular** [SGC85, SG88]. **level** [Hun88]. **like** [BGN81, CvD89, KP82, Ypm86]. **limit** [BL87b, Bre87b, JW86, Lem87, Zie84]. **limits** [JM80]. **line** [Bla87]. **Linear** [HH89, MR87, Waa87b, Abd81, AL86, BL87b, BV86, Cah81, CK87, CM86, CC86, CG89, DN87, Dun84a, Dun84b, GGD81, GR81, Had85, Had87, HC85, HM85, Hof87, Hüb86b, Jab80, Jan87, JY88, Kli87a, Köh89, KPC80, Kos88, Kri81, KN87, LM82, Lip81, Lip83b, Lip84, LW88, Luk80, Luk82, Mae88, MS86, MG89, Mie89, Mil89, aON88, Ong84a, PW81a, Saa88a, Say88, SvdV89, SW88, Sho89, Sid88, Sny87, SV87, TT87, Van80, Vol88, Yey88, ZH80, vdHS84]. **linearization**

[Bon87]. **Linearized** [BeMM86, KKK89]. **lines** [GR81, Sol87]. **Liouville** [Bar83]. **List** [Ano83c, Ano83d, Ano85b, Ano85c, Ano87l, Ano87m, Ano89m, Ano89n]. **literature** [FH88]. **Local** [Dic82a, Lav84, DR87b, Tt89, Wil86]. **locating** [Bul84a]. **Location** [Ioa89, EHL89]. **logarithmic** [ALE84, MR87, Sab87]. **logic** [Bul88c]. **Lommel** [Gro84b]. **Low** [Léc89, Smi87a, DMP87, Lam85]. **Low-dimensional** [Smi87a]. **low-order** [DMP87]. **lower** [Maa84]. **LQP** [Mur87]. **Lyapunov** [KB88].

M [Goo88a]. **Macleod** [McN86b]. **mailing** [Ano89f]. **maintaining** [BdTL85]. **manipulation** [For86a, For86b]. **many** [Bar83]. **map** [Zem86]. **mapping** [Ber86, Del87, Gut86b, Hou85, Hüb86b, KT86, May86, PWH83, PW84, PWH86, PKW87, Pap89, Rei86, TW86, Weg86a, Weg86b, Weg88]. **maps** [HO86, Hoi86]. **Marcel** [Ano88f]. **Martin** [Rij80]. **martingales** [DG82]. **Master** [Ano84g]. **matched** [Chi81]. **Math** [Ano82, Ano84f, Ano84e]. **Mathematica** [Bul88b]. **Mathematical** [CSR87, MSW89, Zla85, ACCK88, Gla84, Gre86b, Roc88a]. **Mathematics** [Ano88m, Ano89k, Goo88a, Ano86j, Ano87n, Ano87o, Ano88f, Ano88n, Ano89o, Ano89p, GS80, Gar86b]. **matrices** [BW89, BGG88, Deh81, DSH89, Gar86a, Gd80, Gra86, Han88, KP82, Men87, Paa89, Pap82, SB88a, Sug87b, Szu89, Ypm87, Zie84]. **Matrix** [Nev85, PR87, AG88, Ast82, Axe85, Duf89, Hof89, JH89, Mag87, Mei81, Smy85, VVH87, VS88, Wal88, Yey88, Zie84, vdV87]. **matroids** [Ano82, Ham82]. **max** [Niz84]. **max-min** [Niz84]. **maximal** [Gri82]. **Mean** [KL87]. **means** [Jac88, Mar86]. **measurement** [Oue82]. **measurements** [Mur82]. **measures** [KG87a]. **mechanical** [GLSZ87]. **mechanism** [Saa88b]. **media** [Ado88, PF84]. **medium** [LR89, RS86, SR88, Van80, Whe85]. **melting** [ÁKS88]. **memory** [MS88]. **meromorphic** [Ioa86a, Pre87, Wal87]. **mesh** [Cha87, Gut86a, Lee86, Ruo87, dBH83, dG81]. **mesh-width** [dG81]. **message** [BE89]. **Method** [Sug87b, AR86, Ami87, Ano84f, AL86, BE89, BB83, BB88, BM89, BPW89, Ber89b, BC82, Bla88, Bla87, Cal86, Cap88, CK82, CR84, CS86, CR86, CR87, Cha87, CSS88, CS88, Chu83, Cle81, Col87a, Cri86, Da 87, DM82, Day86, De 85, DG82, Deh81, Dic85, Dic89, Dun84a, Dun84b, Dyk86, EM86, EO82, EL88, Gab80, GK89, GR81, Gre86a, Hoi86, HH84, HKD86, Hüb86a, Hun87, Ioa88, KG87a, KJG83, Kiw86, KB88, Lav84, LW88, MS86, Mam89, Mar86, Mar88, Mit87, MO87, MH83, NNOP86, Nel88, NSO80, NSIO82, NIS82, OS87, aON88, OP85, Özi89, PW81a, PC80, Pet82, PE87, Rei86, Rok86, RD87, Ruo87, RS89, SF84, SF86, SF87, SW88, Sid81, ST86, Sny87, Sny88, Som87, Son88b, SV87, SS89a, TFI88, Tun87, Vol88]. **method** [Wat81, Weg86a, Weg86b, WO80b, Xin88, Yam88, Yey89, ZH89, dG81, dGvV89, dB80, vdHdV83, vdV87, NS82]. **methodology** [MS83]. **Methods** [Ano86e, Ano86f, Sug87c, AC84, AU86, Aga87, Aga88, AM84, Ana86, Ano88f, Axe85, AP88, Bic82, Bre85, BH83, Bru86, BOP84, CQ82, CM84, Car86, CK80, CS84a, CS84b, Cha85, CM86, CN86, Cha86, CRN86, CG89, Col88, CPS89, Day84a, De 84, Del87, DW89, Dic82b, Dix86, FVD87, Far86, FW87, FS87, Gut86b, Had85, Had87, Heb82, HSM83, Ioa82, JKG83, Jai88, JG88, Joe85, Kho86, KG87b, Kri81, Kri82, KJ88, LB88, Lip83a, Lip84, LDS87, MW87, Mae88, MD86, MG89, Mas87, May86, McN88, Mie89, MG80, Miy89, NF84, NSOS88, NT86, PR88, PJ80, PO87, PM83, Phi87, Roc88b, Roo85, SL86, Say88, Sho89, Sid87, SB88a, Sid88, Slo85, Sot84, Spi85, SS89b, Tho82b, TS86, Tor89, Twi86, TT87, VSV89]. **methods**

[VDD80, VFD89, VCL87, Wam80, Ypm86, vdHS84, vdVD88, Bul88b]. **metric** [dB80]. **microelectronics** [RD87]. **micropolar** [ES85]. **Middle** [Ano89f]. **migration** [Wei88]. **migratory** [Wei88]. **Min** [Niz84]. **Min-max** [Niz84]. **Minding** [Cuy87a]. **minimal** [CR84, CR86, HKD86, Sol87]. **Minimax** [EHL89]. **minimisation** [FS87]. **minimization** [Kiw86, SF86, Seg84, Sny88, SGC85, SG88]. **minimizing** [Ste85]. **minimum** [Day84a, Day86]. **miscellaneous** [Gro86]. **mixed** [BB88, BH83, CK80, IS88, KKK89]. **MM** [KTS88]. **MM-algorithms** [KTS88]. **modal** [Dic82a]. **model** [BV86, DN88, DG82, EM86, Eri88, MS89, MSW89, NA88, Oue82, SV87, Wil86, Zla85]. **modeling** [Gre81a, Gre87, Puu88b]. **modelling** [ACCK88, Gre81b, Spo89]. **models** [DM84b, KKN$^+$88, WW89]. **modifications** [Bre87b, PP89]. **modified** [DC81, Mit87, NS82, VS88, Wil86]. **modulus** [VS88]. **molecule** [Gre81b]. **molecules** [Gre81a, Gre81b]. **mollification** [MP88, Mur88]. **mollification-future** [MP88]. **moment** [DR87c, Hen87, Lon84, WKGC87]. **Moments** [Neu81, Kar88b]. **Monographs** [Van89a]. **Monotone** [Aga88, LLM82, LM86b]. **Monotonicity** [LS88, Hun87]. **Montague** [Goo88a]. **Monte** [BC82, Jab80, Lam85]. **Montessus** [GS86]. **Montessus-type** [GS86]. **most** [VDD80]. **motion** [LST89]. **mound** [SR88]. **moving** [Far86, HSM83, Özi89, TS86]. **MR** [KTS88]. **MR-** [KTS88]. **multi** [Aga83, HM89, Sug87b]. **multi-dimensional** [Sug87b]. **multi-grid** [HM89]. **multi-point** [Aga83]. **Multiderivative** [PO87, TT87]. **multidimensional** [Ber89a, Cam87, DL82]. **Multigrid** [Dic89, Dic85, Hun88, Phi87]. **multilevel** [Bla88]. **Multiple** [SO87, CM86, DKW84, Joe89, Miy89, Slo85, VS88]. **multiple-choice** [DKW84]. **multiplier** [Sny88]. **multiply** [May86]. **Multipoint** [WO80a, WO80b, Wal87]. **Multiprocessing** [Duf89]. **multiprocessors** [EKL89]. **multiregion** [BC82]. **multistep** [CM86, Chu83, Cro87, Kri81, Roc88b, VSV89, vdHS84]. **Multivariate** [CV88, Far86, CWW84, Cuy85, Cuy86, For86a, For86b, GK86, Wan85]. **multivector** [MS88].

N [Ano84f]. **Navier** [Dic87, Ten87]. **near** [Akl81, BF89, CC86, Han87]. **near-optimal** [Akl81, CC86]. **near-singularity** [Han87]. **necessary** [Yey89]. **Nested** [Ors89, Kip89]. **Netherlands** [Goo88a]. **network** [Niz84]. **networks** [Cad87, HS82, Maa85]. **Neumann** [Nev85]. **Newbery** [Oli80b]. **Newsletter** [Ano86j, Ano87n, Ano87o, Ano88m, Ano88n, Ano89o, Ano89p]. **Newton** [BM89, Cle81, FS87, Hüb86a, MO87, Yam85, Ypm86, dB80]. **Newton-like** [Ypm86]. **nodal** [Dic82a]. **noisy** [AR86, DD87, Kle87]. **Non** [YaOIN85, Cah81, CMM86, Cuy86, Dra87, Dra88, GR81, Gwi81, Jab80, KP82, Kle87, Kli87a, LM82, NSO80, PR87, Sha86, SV87, Tt89, Tho82a, TT87, Van80]. **Non-adaptive** [YaOIN85]. **non-commutative** [Dra87, Dra88]. **non-definite** [PR87]. **non-differentiable** [Gwi81]. **non-existence** [Tho82a]. **non-linear** [Cah81, GR81, Jab80, Kli87a, LM82, SV87, TT87, Van80]. **non-local** [Tt89]. **non-normal** [CMM86, Cuy86, Dra88, KP82]. **non-smooth** [Gwi81]. **non-stationary** [NSO80]. **non-stiff** [Sha86]. **non-tensor-product** [Kle87]. **nonautonomous** [Day86]. **noncentral** [EHL89]. **nonconvex** [Kiw86, Von88]. **Nonlinear** [Ano86f, MS89, Ado84a, AHCW86, ÁKS88, BTB88, BZ84, CS87, CS88, Dix87, Dun80, Dun82, Dun88, Hal82, HKD86, Iga85, ITH88,

KLT89, Lin86, Man84a, MD86, Mar86, MM89, Nii86, OP85, Pan89, RS89, SF84, SF87, Son88b, SGC85, SG88, TFI88, TBB88]. **nonsingularity** [Szu89]. **nonsmooth** [Kiw86]. **nonspherical** [SGC85, SG88]. **nonstationary** [ES85]. **nonstiff** [Day86]. **nonsymmetric** [MS86, Saa88a]. **nonuniform** [BeMM86]. **nonuniformly** [FK88]. **norm** [Bia89, Han88, Hof89, KP82]. **norm-reducing** [KP82]. **normal** [Cam87, CMM86, Cuy86, Dra88, GK86, JW89, JV89, KP82]. **normalized** [Lip81, Lip83b, Lip84]. **norms** [KKK89]. **North** [Ano86f, Bul88b, Goo88b, Van89a]. **North-Holland** [Ano86f, Bul88b, Goo88b, Van89a]. **Note** [Ano84e, NSO80, Sal83, VSV89, Wad80, Bir81, Cad87, Hem82, Hun87, Kar88a, Kar88b, Lee86, LB88, Luk82, Men87, PM83, Som87, SCJ89]. **Notes** [Ano88f, Bul88c]. **notion** [Son89]. **Noumerov** [CR84, CR86]. **Noumerov-type** [CR84, CR86]. **novel** [GL87a, Özi89, WG81]. **November** [Ano86j, Ano89p, DP88]. **nr** [Ano86j, Ano89p, DP88]. **null** [Kam83]. **number** [eMH89, Akl81, Maa84, Sol87, Van88]. **Numerical** [Ala83, Cah81, Da 87, DF89, GR83, Gut86b, KT86, LR89, NSOS88, NT86, OP85, PKW87, Pap89, Rab87a, SR88, Sha88b, Slo86, VFD89, Wat81, AM84, Ano89f, AN81, BD87, BGV81, Bir81, Bla87, Bru82, Bru86, Bru89, BOP84, Cal86, Cap88, Car86, Car89, Cha85, Del87, DM84b, Ehr88, ED89, EO82, GM80a, GK86, GR81, Gre87, HLS88, Hak87, HO86, Hel82, Her83, HH84, Hou85, Hüb86b, Ioa82, Ioa84, JKG83, Joe89, Kos88, KLS87, Kri81, Lau85, Mam89, Mur88, Niz80, Oli80a, Oli80c, PR88, PWH83, PW84, PWH86, Pri80, ST86, Smi87a, Smi87b, SGC85, SG88, Sug87b, Sug87c, Tt89, Tez89, Tor89, Van88, Van80, Weg88, ZH80, Bul88b]. **Nyström** [CS84a, CS84b, FG86, PE87, Som87]. **O** [Ano89f, Gre81b]. **O.D.E.** [BOP84]. **objective** [LW88]. **objective-function** [LW88]. **oblique** [TW86]. **observations** [Let81, WKGC87]. **obstacle** [ET86]. **obtained** [Mor85, vdV87]. **occurring** [AA82]. **odd** [JW86, Ten87]. **odd-even** [Ten87]. **ODE** [DM83, GSB87, KLT89, SG89, Wat83]. **ODEs** [Dob88, Sha86, Sot84]. **oil** [Spo89]. **omitted** [BP86]. **One** [Bel84, Ioa81, Bla87, Bog86, Car86, Dun88, GG88, How84, JKG83, JV89, LST89, Oli80a, Roh87, Son88b]. **one-dimensional** [GG88, How84, Son88b]. **one-parameter** [LST89]. **one-sided** [Roh87]. **One-step** [Bel84, Car86, JKG83, JV89]. **onto** [PKW87, Pap89]. **operations** [Von88]. **operator** [Cri86, CWW84, GR89b, MC85, Rei84, Soh89, Ano88f]. **operators** [Cub84, Hen87]. **optics** [SGC85, SG88]. **Optimal** [Ano82, DR87b, Ham82, Rou83, Akl81, Ano88f, BGS88, CC86, CGB84, DM84a, Niz84]. **optimisation** [FG89]. **Optimization** [Roc88a, GMSW88, Gwi81, TFI88]. **Optimum** [Had85, HO88, NSO80, NIS82]. **orbital** [Van87b]. **orbits** [CGB84, DF89]. **order** [AC84, Aga87, AHCW86, Ana86, Ano84f, AEH81, BB88, BGS88, Bre89, Bru86, CK82, CR84, Cha85, CN86, Cha86, CR86, CRN86, CR87, Cha87, CSS88, CS88, Col88, DM82, Day86, DMP87, Dic82b, FG86, FR80, Hal84, Heb82, JKG83, Jai88, JG88, Jel86, KJG83, Kar88a, Kar88b, Kri81, Kri82, Lin86, Man84a, Oli80c, Ong84b, PR88, PW81a, PD81, RM89, Sha87, Son88a, SS89a, SG89, Tho82b, Twi86, TT87, VS85, VDD80, vdHdV83]. **orders** [Wam80]. **ordinary** [Car89, Her83, KLS87, LB88, NF84]. **Orthogonal** [Gau85, Gro85, Gro86, Mar86, PR87, Pre83, RM89, Van85, Van87a, Van89c]. **Orthogonality** [MH83, Gro84b, IS87, IN87].

Orthonormal [Bog86, WG81]. **oscillating** [Lyn85, Tez89]. **oscillatory** [Ehr88, GL87a, HT87, Sid87, Sug87c]. **other** [Ano88f, Had87, Roo85, Wal88, vS86]. **outer** [Fuk84]. **Overconvergence** [BP88]. **overcorrection** [Bla88]. **Overrelaxation** [Dic82b, NSO80, NIS82, Yey88, Yey89]. **oversampled** [Nat86]. **overview** [BS89]. **Oxford** [Goo88b]. **oxygen** [Gre81b].

P [Ano86d, Bul88c, Bul88b]. **P.D.E.** [EO82, Had85]. **P/b** [Bul88c]. **packages** [Hak87]. **Padé** [Bak84, BL87a, BGN81, Bul80, BV86, Con87, CMM86, CWW84, Cuy85, Cuy86, De 88, Dra88, Eie84, GV87, GM81, GMS88, Hop82, JW89, JM80, JNT83, Luk80, Luk82, Mag87, McC81a, McC81b, Pas87, Pre83, Sab83, Sid80, Sid81, Wal87]. **Padé-like** [BGN81]. **Padé-type** [Con87, Eie84, Pre83, Sab83]. **padeons** [LM86a]. **pages** [Ano86d, Ano86e, Ano86f, Rij80, Van89a]. **pair** [FB89]. **pairs** [FG86]. **paper** [McN86b]. **papers** [Ano88g, Ano89n]. **parabolic** [BH83, De 84, Pan89, vdHdV83]. **paradigms** [ACCK88]. **paradox** [dLM89]. **Parallel** [BZ89, MD86, PP89, BE89, BPW89, BS89, Kip89, MW87, Paa89, SS89b, Tun87, VSV89]. **Parameter** [Mur88, EHL89, HM89, LST89, NSO80, NIS82, ST86, Sny88]. **parameter-dependent** [HM89]. **parameter-free** [Sny88]. **parameters** [Bar83, Dun88, SOA82, SV87]. **parametric** [AEH81, DN88]. **parametrized** [MM89]. **part** [Bul84c, Goo88a, Bul84b, Gre81a, Gre81b, GG85, LD87]. **Partial** [MS83, De 88, DI89, Dic82b, GR81, ITH88, Jan87, KLS87, OP85, Pan89, SGC85, SG88, Tt89, VV88, ZH80]. **partitioned** [Szu89]. **parts** [JW86]. **passing** [BE89]. **past** [Bre85]. **path** [FW87, GG88, Gro88]. **path-integrals** [GG88, Gro88]. **paths** [Rou83, SCJ89]. **PDE** [Hak87, SW89]. **PDEs** [Lip83a]. **penalties** [Mur87]. **pencil** [CvD89]. **perfect** [Rij80]. **period** [MS89]. **periodic** [Ana86, BL87b, Bre87b, CR84, CR86, EO82, Gut86a, JW86, JKG83, Kri82, Lem87, Soh89, Twi86]. **periodicity** [Cha86, KP89]. **Peripheral** [BH83]. **Permanence** [AS88]. **Perron** [McC81a]. **perturbation** [Cri86, FR80, Kam83, Nii86, Özi89, Vul89]. **perturbed** [Her83, OS87, SS88]. **Petron** [MG80]. **Phase** [FW87, Twi86, ÁKS88, CR84, CR86, CRN86, CR87, Wei88]. **Phase-lag** [Twi86, CR84, CR86, CRN86, CR87]. **phenomena** [AR86, DRV89]. **Philadelphia** [Lev88]. **philosophy** [Goo88a]. **physics** [Bog86, Deh81, Gla84]. **Picard** [LM82]. **piecewise** [Cad87, Joe85, Pap82]. **Placement** [BGN81]. **planar** [CH87a, CH87b, DSV88, MW89]. **plane** [Col87b, ES85]. **planes** [Gol86]. **plate** [AA82]. **plates** [AN81]. **point** [Aga83, AU86, ÁKS88, AT80, CK80, CK82, CS86, CS87, Cha87, CSS88, CS88, CMM86, Ehr88, FVD87, GV87, JM80, JNT83, LM82, LM86a, Lin86, Man84a, McC81b, Niz80, PW81a, Sab87, Sid80, dG81]. **points** [Cal85, DW89, Joe89, Nii86, Oli80c, Rei84, Roo85, Seg84, Sug87b]. **Pointwise** [Hen82, Pri87]. **Poisson** [Lin89, PD88, SS89b]. **Pole** [PW84, Con87, GV87, PWH86]. **Pole-type** [PW84, PWH86]. **poles** [GMM89, Ioa86a, JM80, PWH83, Pre87]. **pollution** [Zla85]. **polygamma** [BS83]. **polygon** [TW86]. **polygonal** [ET86]. **polygons** [Von88]. **Polynomial** [Bre89, Col87b, Not88, Col87a, Hou85, KK89, Mac82, MW87, McN88, Miy89, Oli80b, Pet82, PM83, PS86, WG81]. **polynomials** [Ano84e, Bog86, Gau85, Gro84b, Gro85, Gro86, IN87, Joe85, Kio86, Luk80, Luk82, NF84, PR87, Pre83, Pre88, Rab87b, RM89, Sal83, Van85, Van89c].

polytopes [RWP85]. **populations** [BDvdM82]. **porous** [RS86, SR88, Wat81]. **positive** [BW89, GHLN89, IS88, Kio86, vdV87]. **posteriori** [Dob88]. **potential** [Mu89]. **Pounds** [Lev88]. **power** [For86a, For86b, Gar86a, Hop82, Lon85, Sie80]. **power-boundedness** [Gar86a]. **powers** [Ast82, Mei81]. **pp** [Ano88f, Ano89f, Bul88a, Bul88c, Bul88b, Goo88b, Goo88a, Lev88, dBH83]. **Practical** [Ber89a, Iga85, Lau85]. **pre** [DM84b]. **pre-elimination** [DM84b]. **precedence** [Ste85]. **precision** [AT80, Bar82]. **Preconditioned** [Kaa88]. **preconditioners** [AE89]. **Preconditioning** [Saa88a, Axe85, AP88, DMP87, HO88, vdVD88]. **predator** [LLM82, LM86b]. **predicting** [PC80]. **predictor** [SF86, SF87, Sha81]. **Preface** [Ano89q, Bre87a, BGPW85, BGPW89, GW87, Had88, Lau87, MR89, MP87, Tre86]. **preliminary** [WKGC87]. **prescribed** [GMM89]. **presence** [Rab87a, SB88a]. **presented** [Ano89n]. **preserving** [CDR89, Cos88, LY89, SH87]. **Press** [Rij80, Bul88c]. **pressure** [Ten87]. **previous** [Gar86b]. **prey** [LLM82, LM86b]. **prey-predator** [LLM82, LM86b]. **Price** [Ano88f, Ano89f, Bul88a, Bul88c, Bul88b, Goo88b, Goo88a, Lev88, Van89a, Ano86d, Ano86e, Ano86f, NA88, Rij80]. **principal** [Ioa81, Ors89]. **principle** [KB88]. **principles** [HSM83, TS86]. **Pringsheim** [Lev86, Lev89]. **prism** [vS86]. **probabilities** [Bla87, DG82]. **probability** [Cam87]. **problem** [AC84, Akl81, Ami87, ÁKS88, AT80, BP86, Chi89, Chi81, DKW84, EM86, Fab87, FR80, GW81, GR83, GR89a, Hel82, Hen87, KLT89, KKK89, Lon84, MP88, Mur88, Mur87, NNOP86, Nii86, NSIO82, Niz80, OS87, PW81a, Ren88, SR88, Seg84, SB88b, Slo86, Smi87a, Sny87, Ste87, SGC85, SG88, Tun87, Usm80, Wal87, dG81, dLM89]. **problems** [Aga83, AU86, Aga87, Aga88, AA82, ACG89, Ana86, BB88, BZ89, BS89, Bia89, Bla88, Bog86, BOP84, CK80, CK82, CR84, Cha85, CS86, CR86, CS87, Cha87, CSS88, CS88, Chu83, CW85, De 85, DR87c, DW89, Dyk86, FVD87, GLSZ87, Hak87, Her83, IS85, JKG83, Jai88, JG88, Jel85, KR86, Kri81, Kri82, LM82, Lav84, Lin86, LW88, Man84a, MG89, Mil89, MG80, Mu89, Nak87, NS82, NT86, Ong84b, Özi89, Pap89, PD88, Rei84, RD87, SF84, SF86, Sar88, ST86, Sny88, Son89, SS88, Tt89, Twi86, TT87, Vul89, Weg88, WO80a, WO80b, Zla87, dGvV89, Ano88f]. **procedure** [Cal85, Col80, MP88]. **procedures** [BM89, CW85]. **Proceedings** [Ano89f]. **process** [GGD81, Paa89, Yam85]. **processes** [AHCW86, DN87, Hem82, Pre87]. **processor** [MS88]. **Product** [ALE84, CM84, Rab89, AL87, Bar83, Ber89b, Die86, Dyk86, Gri82, Kip89, Kle87, KL87]. **Prof.** [Cuy87b]. **profile** [Smy85]. **program** [Abd81, Dun80, Van89a]. **programming** [GW81]. **programs** [Fuk84]. **progressive** [AE88]. **project** [KY88]. **Projection** [Mae88, Bre83, Sid88]. **projections** [GK89, Mar86, Tun87]. **proof** [Jel86, Tem88]. **Propagation** [Ado88, SU89, Whe85]. **properties** [AM84, Bak84, BP88, EM87, Gro86, Ran87]. **property** [Gro84b]. **pseudo** [AG88, EM86]. **pseudo-random** [AG88]. **pseudo-spectral** [EM86]. **pseudolinear** [Lav84]. **Publishers** [Bul88b]. **pure** [Ano88f, vdHS84].

Q.D. [GM80b]. **QD** [Cla81]. **Quadratic** [MPN82, SH87, LM84, RLW89]. **quadratically** [Dah86, Paa89]. **Quadrature** [Let87, Mor85, AL87, Ano89k, Ber89a, BF89, Dix86, Ehr88, EM87, GN89, Gri82, Ioa82, Ioa84, IMT87, JV89, Let81, LD87, Ors89, Sol89, SS89a]. **qualitative** [Smi87a]. **quantum** [GLSZ87, PE87]. **Quasi** [Lam85, dLM89, CDR89, FS87, Lin89, MO87]. **quasi-direct** [Lin89]. **quasi-interpolation**

[CDR89]. **Quasi-Monte** [Lam85]. **quasi-Newton** [FS87, MO87]. **Quasi-variational** [dLM89]. **quasilinear** [Lav84, Vul89]. **queueing** [Bla87]. **quintic** [BP88, PS87]. **quotient** [McC81b, PA89].

R [Ano84f, Bul88a]. **radial** [Sha88b, VFD89]. **radii** [Gre86a, Van87b]. **radius** [Day84b, Gre86b]. **ramp** [eMH89]. **Random** [vS86, AG88, BLS84c, DN87, Han88, Rou83, SU89]. **range** [CS86]. **rank** [Hem82, Zie84]. **ranking** [BDvdM82]. **Rapid** [May86, EL89a]. **rate** [RV88]. **rates** [AL86, DM84a]. **ratio** [McC83]. **Rational** [BM87, Rok87, Sot84, CQ82, Cle81, Dun84a, Dun84b, GMM89, GM84, IS87, MR87, Rok86, Wam80]. **ray** [GM81]. **Rayleigh** [GR83, Gro84b]. **re** [PD88]. **re-entrant** [PD88]. **reaction** [Dix87, EM86, KP89, MMSY84, Man84b, MS89]. **real** [CW85, Oli80a]. **reciprocal** [CV88]. **reconsideration** [DP86]. **reconstruction** [DSV88]. **recovery** [LR89]. **rectangle** [PKW87, Pap89]. **rectangular** [Cam80, EO82, GM80a, Mae88, Zie84]. **Rectified** [BZ84]. **Recurrence** [Pas87, Kip89, PC80, dB83]. **recurrent** [Kip89]. **recursions** [Bul84b, Bul84c]. **Recursive** [Bre83, Bul84b, Bul84c, Jan87, EKL89, Gro85, RM89, Son88a]. **Reduced** [BdTL85, VS85]. **reducible** [Dix86]. **reducing** [KP82]. **Reduction** [vdHS86, BV86, DSH89, MSW89, Smy85]. **refinement** [DR87a, Ruo87]. **reflection** [Sha88a]. **refraction** [Puu88a]. **region** [Ado84b, Cam80, EO82, GM80a]. **Regions** [CS84b, CH87a, CH87b, De 89, Lin89, Mar88, May86, SO87, Weg86b]. **regular** [Ano82, Bar82, CvD89, Ham82, JW89]. **Reidel** [Ano86d]. **Reinsch** [Oli80b]. **related** [SH87, dD84]. **relations** [Bul84b, Bul84c, Del87, Gro84b, Kip89, Pas87, PC80, Van87a, dB83]. **relationship** [Mur87]. **Relaxation** [Phi87, Had87]. **Relaxed** [Ypm86]. **relevant** [GG83]. **reliability** [DN85]. **reliable** [VVH87]. **remark** [Ioa84]. **Remarks** [GM80a, Jac88]. **reparameterisation** [Hoi86]. **reports** [Ano87j, Ano87k, Ano88k, Ano89l]. **representation** [DR87c]. **require** [DM83]. **residual** [HKD86, PMD87]. **residue** [VS88]. **resolution** [Cap88, EO82]. **respect** [Hop82, KG87a]. **restricted** [Abd81]. **restrictions** [KLS87]. **result** [Nev85]. **results** [AT80, BR89, GG83, LS88, NA88, Van85, dB83, dB80]. **retaining** [GGD81]. **retarded** [Bic82]. **Review** [Ano86d, Ano86e, Ano86f, Ano88f, Ano89f, Bul88a, Bul88c, Bul88b, Goo88b, Goo88a, Lev88, Rij80, Van89a, Cuy85, KY88, MS83, Nel88]. **revisited** [BB83, Lev89]. **revolution** [MC85]. **Riccati** [Car86]. **Richardson** [Sug87c]. **Riemann** [Dic85, Weg88]. **right** [AU86]. **rigid** [Gol86]. **ring** [Gre86a, Gre86b]. **risk** [DG82]. **robot** [LST89]. **Romberg** [Sha84]. **root** [BLS84c, MW87, PS86]. **root-finding** [MW87]. **rootfinding** [KLT89]. **roots** [Bre89, CM86, Iga85, Kio86]. **Rosenbrock** [DM82, Day84a, Day86, Hun87]. **rotating** [Gol86, Wat81]. **rotation** [Van88]. **Rounding** [BP86, ITH88]. **routine** [JV89, KR87]. **routines** [Ber89a]. **Row** [GMS88]. **rows** [BL87a]. **Rózsa** [Bul88b]. **ruin** [DG82]. **rule** [AE88, Bel86, EL89a, Iga85, Sug87a, Tem88, Mor85]. **rules** [Cuy86, Ioa84, KL87, Let87, Ors89, PE87, Rab87b]. **Run** [Day84b]. **Runge** [Ano86f, CQ82, CS84a, CS84b, DP80, DP86, FG86, Heb82, LDS87, PD81, Som87, Sot84, Spi85, VSV89, VDD80, Wam80].

S [Ano84f, Ano86d]. **salesman** [Akl81]. **Salzer** [Ano84e]. **SAOR** [EL88, aON88, YaOIN85]. **Sard** [Köh89]. **scalar** [Car86, FW87]. **scale** [ITH88, Ong84a]. **scattered** [Kle87]. **scattering** [Ber89b, PE87]. **scheduling**

[Ste85]. **scheme** [AN81, Car89, LLM82, LM86b, Nii86, Oli80b, Pan89, Ten87]. **schemes** [AEH81, AL86, GK89, Jel85, Jel86, Lin86, Not88, Phi87, Sar88, VS85, Vul89, Wil86, vdHS86]. **Schrödinger** [VFD89, Xin88]. **Schroedinger** [Gd80]. **Schur** [CvD89, Tem88]. **Schur-complements** [Tem88]. **Science** [Bul88b, Goo88b, Goo88a, Goo88a]. **sciences** [Kli88]. **search** [Rou83]. **Second** [AEH81, Hal84, KB88, AHCW86, Ana86, Ber86, CM84, CR84, Cha85, CN86, CR86, CS88, Col88, Gre86a, Gro86, Jai88, JG88, Jel86, Joe85, Kri81, Kri82, Lip84, Man84a, Oli80c, Ong84b, PR88, SG89, Twi86, TT87]. **second-kind** [CM84]. **Second-order** [Hal84, CS88, Jai88, JG88, Man84a, PR88, SG89, TT87]. **Secondary** [Chi89]. **section** [Cam80]. **sectionally** [Ioa86a]. **segments** [BLS84b]. **seismic** [DN87]. **selecting** [LD86]. **selection** [BM89, GSB87, Mur88, Oli80c]. **self** [Hen87, Lip83a]. **self-adjoint** [Hen87, Lip83a]. **semantics** [Van89a]. **semi** [AEH81, CS86, Let87, Lip81, PD88, SL86, TFI88, Wad80]. **semi-bandwidths** [Lip81]. **semi-infinite** [CS86, PD88, TFI88, Wad80]. **semi-integrals** [Let87]. **semi-iteration** [AEH81]. **semi-iterative** [SL86]. **semiconductor** [CPS89, WW89]. **semiderivatives** [Let87]. **semidiscrete** [vdHdV83]. **semigroups** [Cro87]. **semilinear** [Bud89, Smi87a]. **sense** [Sid87]. **sensitivity** [Hop82]. **separable** [GW81, SF84]. **sequence** [Ast82, Jan87, Mei81]. **sequences** [Fis89, GM81, Gro86, Lam85, Léc89, Sab87]. **sequential** [MD86]. **Series** [GL84, TBB88, Ado84a, Ano84e, Cuy87a, For86a, For86b, GG83, GG85, HT87, Hop82, KK89, Lon85, McC83, Sal83, Sie80, Soh88, Son88a, Tez89]. **set** [BdTL85, Bul88c, Von88]. **setups** [Ste85]. **seven** [Lip81]. **seven-diagonal** [Lip81]. **several** [Fab87, Yam85]. **Shape** [CDR89, LY89, Cos88, Ioa89, SH87]. **Shape-preserving** [CDR89, Cos88]. **shear** [ES85]. **shock** [How84]. **shooting** [MG89]. **sided** [Dob88, Roh87]. **sieve** [RLW89]. **significant** [BdTL85]. **Silhouettes** [Rou87]. **simple** [DN87, DN88, De 89, Kle87, LST89, Rok86]. **simply** [Weg88]. **simulation** [Col80, CPS89, Mam89, Whe85]. **Simultaneous** [De 88, Ber88, Eri88, FH88, Pet82, PM83]. **Sinc** [Bia89]. **Sinc-type** [Bia89]. **Singh** [Ano86d]. **Single** [Hun88, Con87, GV87, JG88, Mit87, SG89]. **Single-level** [Hun88]. **single-step** [JG88, Mit87]. **Singular** [BGG88, Cuy86, Ger86, ALE84, BS89, Ber89b, CS87, Cha87, CSS88, Dix87, Had85, HLS88, Ioa82, Ioa84, Ioa86b, Kaa88, Nii86, PJ80, Rae82, Ste87, VVH87, Vul89]. **singularities** [AE88, GR89b, PW84, PWH86, PD88]. **singularity** [Han87, Rab87a]. **singularly** [OS87, SS88]. **six** [CRN86, ST87]. **Sixth** [Jai88, CR87]. **Sixth-order** [Jai88, CR87]. **size** [Bon87, GSB87, Sha87, Wat83]. **small** [Dix87]. **smaller** [Zie84]. **smallest** [VVH87]. **Smíal** [Lev88]. **Smooth** [Usm80, Gwi81, dBH83]. **smoothing** [Col80, DSV88, FR80, Kle82, PV85]. **Societatis** [Bul88b]. **software** [Hak87, HH89, KLT89]. **solidification** [Mam89]. **Solitons** [LM86a]. **Solution** [GHLN89, Sha86, Wam80, eMH89, AMHAEM89, Ado84a, Ami87, AL86, BD87, Ber88, Bic82, BeMM86, BZ84, Bru86, BOP84, Cah81, Cam80, Car86, Car89, CK87, Chi81, DN88, DMP87, Dic87, Dob88, DM84b, EKL89, ED89, EO82, FR80, GR81, GR83, GR89a, Had85, Had87, HLS88, Hak87, Hel82, Hüb86b, Ioa82, Ioa84, KLT89, Kli87a, KLS87, Kri81, Lip81, MS86, MO87, MP88, Mur88, NA88, NSIO82, Ong84a, Ong84b, OP85, PW81a, Pap89, SR88, ST86,

Slo86, SU89, SV87, SS89b, TW86, Usm80, VDD80, ZH80, Zla87, vdV87]. **Solutions** [PF84, Ado84b, AR86, Akl81, BTB88, Bar83, CS87, GL84, Hou85, Jan87, KR86, Man84a, MS89, Mu89, RV88, Sha88a, Sha88b, SB88b, TBB88]. **solved** [Tem85]. **solver** [GSB87, Lin89, Lip83b, Wat83]. **solvers** [DM83, SW89]. **Solving** [Hof87, Mar86, SvdV89, SS88, AU86, AM84, Ber89b, Bla88, Chu83, DKW84, FH88, Hal82, HM85, Hüb86a, Jab80, JY88, JH89, Kaa88, Léc89, Lip83a, Lip84, LW88, Luk80, Luk82, Mae88, MS86, MD86, NNOP86, PE87, Rei84, Rei86, SF84, SF86, SF87, VFD89, Xin88, vdV87]. **Some** [BE89, De 89, EM87, FVD87, Kip89, KKN+88, Let81, Lon84, MW87, McN86b, Sid80, Van85, WKGC87, DM83, Del87, DP86, Gla84, Lyn85, PM83, PS86, Rei84, Sid81, SB88a, TBB88]. **space** [AE89, Bar83, De 84, EHL89, FW87, Hen87, Kle87, Lip83a, vdHS86]. **spaced** [BP80, Far86, FK88]. **spaces** [Cro87, DM84a, Gri82, Wan85, Yam88]. **sparse** [ACG89, Duf89, GHLN89, Lip81, Lip83b, Lip84, MS86, Ong84a, Ypm87]. **sparsity** [Zla87]. **spatial** [NA88, Puu88b]. **speakers** [Ano85b]. **special** [DW89, FVD87, FL85]. **Spectral** [Xin88, Col80, Day84b, DMP87, EM86, EO82, Hof89, Phi87, PD88]. **spectrum** [Maa85]. **speeding** [Dru84]. **sphere** [Kea87, Mur82, RD81]. **Spherical** [Fre84]. **spirals** [MW89]. **Spline** [Ano86d, PE87, CSS88, CS88, CDR89, DR87b, Fre84, Gut86a, KR86, McN86a, MPN82, Met83, Met84, PW81a, PW81b, PS87, Roh87, Soh89, SS88, Usm80]. **Spline-Gauss** [PE87]. **spline-on-spline** [PS87]. **splines** [ALE84, BP80, BP88, Cos88, Die86, DSV88, Kle87, Lee86, Neu81, ST87, SH87, Soh88, Wan85, dBH83]. **split** [SU89]. **split-step** [SU89]. **splitting** [De 84, Dic85, Dic89]. **splittings** [Not88]. **spontaneous** [Smi87b]. **Springer** [Ano86e]. **SQP** [TFI88]. **square** [PS86]. **squares** [Bul84a, Far86, NS82, PP89, SF84, Sar88, VV88, Van89b]. **SSOR** [HO88]. **Stability** [AM84, Dun84b, Jel85, Sho89, Tor89, vdHS84, Bir81, CQ82, CS84a, CS84b, KLS87, Mam89, PC80, Puu88b, SB88a, SB88b, Ano86f]. **stabilized** [dGvV89]. **stable** [Ana86, Bic82, CN86, CRN86, Col88, DM82, DI89, JKG83, Kho86, MS89, Tho82a, Tho82b]. **standard** [Hak87]. **Starting** [BGS88, Wat83]. **state** [Bla87, DW89, LLM82, LM86b, Mur87, Van89a]. **states** [Gre87]. **stationary** [AL86, NSO80]. **statistical** [BDvdM82]. **statistics** [RR81]. **steady** [DW89, Dic85, Dic87, Dic89, How84, IS85, LLM82, LM86b]. **steady-state** [LLM82, LM86b]. **Stefan** [ÁKS88, GR89a]. **step** [Ana86, Bel84, Car86, Cha85, CN86, Cha86, CRN86, CG89, Eri88, GSB87, HO88, JKG83, Jai88, JG88, JV89, Mit87, Sha87, SU89, Twi86, Wat83]. **Stepsize** [BM89, FB89, KLS87, PO87]. **Stetter** [Ano86e]. **Stieltjes** [GM81, Pre88]. **Stieltjes-** [Pre88]. **Stiff** [Ano86f, Chu83, Roc88b, SB84, Sha86, Sot84, SG89, Ypm86, dG81]. **Stiffly** [Kho86, Tho82b]. **Stochastic** [Wei88]. **Stokes** [Dic87, Ten87]. **stopping** [Iga85]. **storage** [VDD80]. **strategy** [HM89]. **streamline** [ET86]. **strength** [DN88]. **stress** [DN88]. **stress-strength** [DN88]. **stresses** [ES85]. **strong** [Hen87]. **Structural** [Puu88b]. **structure** [AG88, DN85]. **structured** [Sha86]. **Studies** [Goo88b, Gre87, MMSY84, Man84b]. **study** [Col80, De 84, Dix87, PF84, Smi87b, Van80, Wat81]. **studying** [Zla85]. **Sturm** [Bar83]. **Subdivision** [Dah86]. **subgradient** [Kiw86, Tun87]. **Subject** [Ano86k, Ano87p]. **subproper** [Not88]. **subsidence** [SR88]. **subspace** [VVH87, vdV87]. **Successive** [Bre87b, Ioa88, LM82, Mar86]. **Suitability** [LDS87]. **suitable** [Sot84]. **sulphur** [Zla85]. **sum** [DD87]. **summability** [Dru84, Sid87]. **summation** [Lon85]. **sums** [Gro84b]. **Sung**

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Tucker [Van89a]. **turbulent** [Whe85]. **turning** [Nii86]. **Two** [CRN86, Dob88, ES85, JNT83, McC81b, Ana86, ÁKS88, AT80, Bog86, BH83, CK80, CK82, Cha85, CS86, CN86, Cha86, CS87, Cha87, CSS88, CS88, CMM86, De 84, DR87c, DC81, Eri88, FVD87, Gar86b, GV87, Gro88, HS82, Jai88, JM80, KR87, LM82, LB88, Man84a, Niz80, PW81a, RS86, Sid80, Sie83, ST86, Twi86, dG81]. **Two-dimensional** [ES85, KR87]. **two-parameter** [ST86]. **two-phase** [ÁKS88]. **Two-point** [JNT83, McC81b, AT80, CK80, CK82, CS86, CS87, Cha87, CSS88, CS88, CMM86, FVD87, GV87, JM80, LM82, Man84a, PW81a, Sid80, dG81]. **Two-sided** [Dob88]. **Two-step** [CRN86, Ana86, Cha85, CN86, Cha86, Eri88, Jai88, Twi86]. **two-variable** [Sie83]. **TWODQD** [KR87]. **twofold** [Gro84b]. **type** [Ano89k, Bar83, Bia89, BC82, Cap88, CR84, CR86, Con87, Cub84, Eie84, FS87, GN89, GV87, GS86, Ioa86b, Kho86, Nii86, PW84, PWH86, Pre83, Pre88, Roc88b, Sab83, Sie83, Tho82a, Tho82b, vdVD88]. **types** [GG85, Saa88b, Van89a].

U.S [Ano88f, Van89a]. **U.S.$** [Ano89f]. **U.S.A** [Bul88b]. **UK** [Lev88]. **ultimate** [Axe85]. **unbounded** [Bru89, SO87]. **unconstrained** [FG89, SF86]. **underdetermined** [MD86]. **unequal** [Dic82a, Fab87]. **unequally** [BP80]. **unified** [Yam85]. **Uniform** [HO86, Cha87, Gut86a, How84, OS87]. **unilateral** [NT86]. **Unique** [Man84a]. **uniqueness** [Aga87]. **unitary** [Gra86]. **University** [Ano89f, Bul88c, Bul88b]. **Unsteady** [RS86, AN81, Dic82a]. **upon** [KTS88]. **Upper** [DG82, ISK87, JH89]. **upwind** [Jel86, Pan89]. **Upwinding** [MG80]. **Urabe** [Mit87]. **US$** [Ano86d, Ano86f]. **use** [FG89, KLT89, Lip84, MW89, PWH83, Sha81]. **using** [BLS84b, DN87, Die86, DSV88, FB89, Ioa89, Joe85, Kip89, VS88, vdV87]. **Uzawa** [LQ86].

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References

Agarwall:1982:BVP

[AA82] Ravi P. Agarwall and G. Akrivis. Boundary value problems occurring in plate deflection theory. *Journal of Computational and Applied Mathematics*, 8(3):145–154, September 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900353`.

Abdelmalek:1981:CPD

[Abd81] N. N. Abdelmalek. Computer program for the discrete linear restricted Chebyshev approximation. *Journal of Computational and Applied Mathematics*, 7(2):141–150, June 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900486`.

Agarwal:1984:IMF

[AC84] Ravi P. Agarwal and Y. M. Chow. Iterative methods for a fourth order boundary value problem. *Journal of Computational and Applied Mathematics*, 10(2):203–217, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278490058X`.

Andersson:1988:EPA

[ACCK88] Åke E. Andersson, J. Casti, Peter Leth Christiansen, and Anders Karlqvist. Emerging paradigms in applied mathematical modelling — an introduction. *Journal of Computational and Applied Mathematics*, 22(2–3):143–181, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903974`.

Allgower:1989:LSC

[ACG89] E. L. Allgower, C.-S. Chien, and K. Georg. Large sparse continuation problems. *Journal of Computational and Applied Mathematics*, 26(1–2):3–21, June 1989. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789901441.

Adomian:1984:CSS

[Ado84a] G. Adomian. Convergent series solution of nonlinear equations. *Journal of Computational and Applied Mathematics*, 11(2):225–230, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900220.

Adomian:1984:CRD

[Ado84b] G. Adomian. On the convergence region for decomposition solutions. *Journal of Computational and Applied Mathematics*, 11(3):379–380, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278490013X.

Adomian:1988:PDD

[Ado88] G. Adomian. Propagation in dissipative or dispersive media. *Journal of Computational and Applied Mathematics*, 23(3):395–396, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278890009X.

Adomian:1989:CCD

[Ado89] G. Adomian. Comments on a "counterexample" to decomposition. *Journal of Computational and Applied Mathematics*, 26(3):375–376, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903105. See [Nel88].

Aihie:1988:TTD

[AE88] V. U. Aihie and G. A. Evans. The tanh transformation for double integrals with singularities — a progressive rule. *Journal of Computational and Applied Mathematics*, 24(3):349–354, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902968.

Axelsson:1989:VPE

[AE89] O. Axelsson and V. Eijkhout. Vectorizable preconditioners for elliptic difference equations in three space dimensions. *Journal of Computational and Applied Mathematics*, 27(1–2):299–321, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903725.

Avdelas:1981:SOC

[AEH81] G. Avdelas, D. J. Evans, and A. Hadjidimos. Second order Chebyshev semi-iteration in connection with p-parametric E.A.D.I. schemes. *Journal of Computational and Applied Mathematics*, 7 (4):261–266, December 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X8190053X.

Afflerbach:1988:LSP

[AG88] Lothar Afflerbach and Holger Grothe. The lattice structure of pseudo-random vectors generated by matrix generators. *Journal of Computational and Applied Mathematics*, 23(1):127–131, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278890338X.

Agarwal:1983:CAC

[Aga83] Ravi P. Agarwal. Contraction and approximate contraction with an application to multi-point boundary value problems. *Journal of Computational and Applied Mathematics*, 9(4):315–325, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900031.

Agarwal:1987:EUI

[Aga87] Ravi P. Agarwal. Existence-uniqueness and iterative methods for third-order boundary value problems. *Journal of Computational and Applied Mathematics*, 17(3): 271–289, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901051.

Agarwal:1988:MCI

[Aga88] Ravi P. Agarwal. Monotone convergence of iterative methods for (n, p) and (p, n) boundary value problems. *Journal of Computational and Applied Mathematics*, 21(2):223–230, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902701.

Al-Hassani:1986:SOA

[AHCW86] S. T. S. Al-Hassani, M. Can, and E. J. Watson. A second order approximation to nonlinear circuit equations as applied to high energy electrical discharge processes. *Journal of Computational and Applied Mathematics*, 15(2):175–189, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042786900257.

Akl:1981:ENO

[Akl81] Selim G. Akl. On the expected number of optimal and near-optimal solutions to the Euclidean travelling salesman problem. *Journal of Computational and Applied Mathematics*, 7(4):287–288, December 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900577.

Ang:1988:NTP

[ÁKS88] ang iñh Áng, Fritz Keinert, and Frank Stenger. A nonlinear two-phase Stefan problem with melting point gradient: a constructive approach. *Journal of Computational and Applied Mathematics*, 23(2):245–255, August 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278890283X.

Avdelas:1986:MIC

[AL86] G. Avdelas and A. Leontitsis. A method for the improvement of the convergence rates of stationary iterative schemes for the solution of complex linear systems. *Journal of Computational and Applied Mathematics*, 15(1):1–11, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902347.

Alaylioglu:1987:PQA

[AL87] Ayse Alaylioğlu and D. S. Lubinsky. A product quadrature algorithm by Hermite interpolation. *Journal of Computational and Applied Mathematics*, 17(3):237–269, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278790104X.

Alaylioglu:1983:NEF

[Ala83] Ayse Alaylioğlu. Numerical evaluation of finite Fourier integrals. *Journal of Computational and Applied Mathematics*, 9(4):305–313, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278390002X.

Alaylioglu:1984:PIL

[ALE84] Ayse Alaylioğlu, D. S. Lubinsky, and D. Eyre. Product integration of logarithmic singular integrands based on cubic splines. *Journal of Computational and Applied Mathematics*, 11(3):353–366, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-

1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900104.

Al-Mutib:1984:SPN

[AM84] A. N. Al-Mutib. Stability properties of numerical methods for solving delay differential equations. *Journal of Computational and Applied Mathematics*, 10(1):71–79, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900712.

Abdel-Malek:1989:ASG

[AMHAEM89] M. N. Abdel-Malek, S. N. Hanna, and M. B. Abd-El-Malek. Approximate solution for gravity flow under a tainter gate. *Journal of Computational and Applied Mathematics*, 26(3):271–279, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789902999.

Amini:1987:IMB

[Ami87] S. Amini. An iterative method for the boundary element solution of the exterior acoustic problem. *Journal of Computational and Applied Mathematics*, 20(??):109–117, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901282.

Aziz:1981:NSU

[AN81] A. Aziz and T. Y. Na. A numerical scheme for unsteady flow of a viscous fluid between elliptic plates. *Journal of Computational and Applied Mathematics*, 7(2):115–119, June 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900449.

Ananthakrishnaiah:1986:CTS

[Ana86] U. Ananthakrishnaiah. A class of two-step P-stable methods for the accurate integration of second order periodic initial value problems. *Journal of Computational and Applied Mathematics*, 14(3):455–459, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900804.

Anonymous:1982:EOC

[Ano82] Anonymous. Erratum: "Optimal cocircuits in regular matroids and applications" [J. Comput. Appl. Math. **8**(3) 171–177 (1982)]. *Journal of Computational and Applied Mathematics*, 8(4): 308, December 1982. CODEN JCAMDI. ISSN

0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900572`. See [Ham82].

Anonymous:1983:AIV

[Ano83a] Anonymous. Author index to volume 9 (1983). *Journal of Computational and Applied Mathematics*, 9(4): 391–392, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900109`.

Anonymous:1983:EB

[Ano83b] Anonymous. Editorial board. *Journal of Computational and Applied Mathematics*, 9 (1):vi, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900225`.

Anonymous:1983:LAJ

[Ano83c] Anonymous. List of algorithms: (journal CAM, 1975–1982). *Journal of Computational and Applied Mathematics*, 9(1):91–92, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900316`.

Anonymous:1983:LBJ

[Ano83d] Anonymous. List of bibliographies: (journal CAM, 1975–1982). *Journal of Computational and Applied Mathematics*, 9(1):93, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900328`.

Anonymous:1984:AIVa

[Ano84a] Anonymous. Author index to volume 10 (1984). *Journal of Computational and Applied Mathematics*, 10(3):387–388, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900475`.

Anonymous:1984:AIVb

[Ano84b] Anonymous. Author index to volume 11 (1984). *Journal of Computational and Applied Mathematics*, 11(3): 385–386, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900153`.

Anonymous:1984:EBa

[Ano84c] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 10(1): ii, February 1984. CODEN JCAMDI. ISSN

0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900621.

Anonymous:1984:EBb

[Ano84d] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 11 (1):ii, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900268.

Anonymous:1984:EJCb

[Ano84e] Anonymous. Errata: J. Comput. Appl. Math. **9**: H. E. Salzer, Note on the Dočev–Grosswald asymptotic series for generalized Bessel polynomials, (1983) 131–135. *Journal of Computational and Applied Mathematics*, 10(1):133, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900773. See [Sal83].

Anonymous:1984:EJCa

[Ano84f] Anonymous. Errata: J. Compute. Appl. Math. **9**: N. S. Kambo, R. K. Jain and R. Goel, A fourth order method for $y'' = f(x, y, y')$, (1983) 81–90. *Journal of Computational and Applied Mathematics*, 10(1):133, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900761. See [KJG83].

Anonymous:1984:MIV

[Ano84g] Anonymous. Master index to volumes 1–10. *Journal of Computational and Applied Mathematics*, 10(3):389–405, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900487.

Anonymous:1985:AIV

[Ano85a] Anonymous. Author index to volumes 12 and 13 (1985). *Journal of Computational and Applied Mathematics*, 12–13(??):667–668, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900573.

Anonymous:1985:LIS

[Ano85b] Anonymous. List of invited speakers. *Journal of Computational and Applied Mathematics*, 12–13(??):viii, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900020.

Anonymous:1985:LT

[Ano85c] Anonymous. List of talks. *Journal of Computational and Applied Mathematics*, 12–13(??):ix–xiv, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900032`.

Anonymous:1986:AIVa

[Ano86a] Anonymous. Author index to volume 14 (1986). *Journal of Computational and Applied Mathematics*, 14(3):473–474, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900865`.

Anonymous:1986:AIVb

[Ano86b] Anonymous. Author index to volume 15 (1986). *Journal of Computational and Applied Mathematics*, 15(3):401–402, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786902323`.

Anonymous:1986:AIVc

[Ano86c] Anonymous. Author index to volume 16 (1986). *Journal of Computational and Applied Mathematics*, 16(3): 397–398, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900105`.

Anonymous:1986:BRA

[Ano86d] Anonymous. Book review: *Approximation Theory and Spline Functions*: edited by S. P. Singh, J. W. H. Burry and B. Watson, (Reidel, Dordrecht, 1983) 485 pages; price: 69,50 US$. *Journal of Computational and Applied Mathematics*, 14(3):471–472, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900853`.

Anonymous:1986:BRD

[Ano86e] Anonymous. Book review: *Defect Correction Methods. Theory and Applications*: edited by K. Böhmer and H. J. Stetter, (Springer, Wien, 1984) 243 pages; price: 68.00 DM. *Journal of Computational and Applied Mathematics*, 14(3):471, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900841`.

Anonymous:1986:BRS

[Ano86f] Anonymous. Book review: *Stability of Runge–Kutta Methods for Stiff Nonlinear Differential Equations*:

by K. Dekker and J. G. Verwer (North-Holland, Amsterdam, 1984) 308 pages; price: 36.50 US$. *Journal of Computational and Applied Mathematics*, 14(3):471, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278690083X.

Anonymous:1986:EBa

[Ano86g] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 14(1–2):ifc, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901263.

Anonymous:1986:EBb

[Ano86h] Anonymous. Editorial board. *Journal of Computational and Applied Mathematics*, 15 (1):iv, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902335.

Anonymous:1986:EBc

[Ano86i] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 16(1):vi, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901688.

Anonymous:1986:NCA

[Ano86j] Anonymous. Newsletter on computational and applied mathematics: Vol. 2, nr. 3, November 1986 applied mathematics. *Journal of Computational and Applied Mathematics*, 16(3):P1, 1–14, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900117.

Anonymous:1986:SI

[Ano86k] Anonymous. Subject index. *Journal of Computational and Applied Mathematics*, 14(1–2):267–269, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901433.

Anonymous:1987:AC

[Ano87a] Anonymous. Announcements of conferences. *Journal of Computational and Applied Mathematics*, 17(3):N4–N16, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901191.

Anonymous:1987:AIVa

[Ano87b] Anonymous. Author index to volume 17 (1987). *Journal of Computational and Applied Mathematics*, 17(3): 379, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901166`.

Anonymous:1987:AIVb

[Ano87c] Anonymous. Author index to volume 18 (1987). *Journal of Computational and Applied Mathematics*, 18(3):403–404, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900112`.

Anonymous:1987:AIVc

[Ano87d] Anonymous. Author index to volume 19 (1987). *Journal of Computational and Applied Mathematics*, 19(3):401–402, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787902093`.

Anonymous:1987:AIV

[Ano87e] Anonymous. Author index to volume 20 (1987). *Journal of Computational and Applied Mathematics*, 20(??):423–424, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901622`.

Anonymous:1987:EBa

[Ano87f] Anonymous. Editorial board. *Journal of Computational and Applied Mathematics*, 17(1–2):ii, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278790032X`.

Anonymous:1987:EBb

[Ano87g] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 18 (1):viii, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900501`.

Anonymous:1987:EBc

[Ano87h] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 19 (1 (supplement 1)):ii, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901646`.

Anonymous:1987:EBd

[Ano87i] Anonymous. Editorial Board. *Journal of Computational*

and Applied Mathematics, 20 (??):ii–iii, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901208`.

Anonymous:1987:IRDa

[Ano87j] Anonymous. Institutional reports and doctoral theses. *Journal of Computational and Applied Mathematics*, 17(3):N2–N4, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278790118X`.

Anonymous:1987:IRDb

[Ano87k] Anonymous. Institutional reports and doctoral theses. *Journal of Computational and Applied Mathematics*, 20(??):n1–n11, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901634`.

Anonymous:1987:LIT

[Ano87l] Anonymous. List of invited talks. *Journal of Computational and Applied Mathematics*, 20(??):417, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901609`.

Anonymous:1987:LT

[Ano87m] Anonymous. List of talks. *Journal of Computational and Applied Mathematics*, 20(??):418–421, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901610`.

Anonymous:1987:NCAa

[Ano87n] Anonymous. Newsletter on computational and applied mathematics. *Journal of Computational and Applied Mathematics*, 17(3):N1, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901178`.

Anonymous:1987:NCAb

[Ano87o] Anonymous. Newsletter on computational and applied mathematics. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):N1–N9, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901865`.

Anonymous:1987:SI

[Ano87p] Anonymous. Subject index. *Journal of Computational and Applied Mathematics*, 17(1–2):235–236, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900495.

Anonymous:1988:AC

[Ano88a] Anonymous. Announcements of conferences. *Journal of Computational and Applied Mathematics*, 22(2–3):N5–N8, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904189.

Anonymous:1988:AIa

[Ano88b] Anonymous. Author index. *Journal of Computational and Applied Mathematics*, 23(3):397–398, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788900106.

Anonymous:1988:AIb

[Ano88c] Anonymous. Author index. *Journal of Computational and Applied Mathematics*, 24(3):411–412, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903020.

Anonymous:1988:AIVa

[Ano88d] Anonymous. Author index to volume 21 (1988). *Journal of Computational and Applied Mathematics*, 21(3):387–388, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903238.

Anonymous:1988:AIVb

[Ano88e] Anonymous. Author index to volume 22 (1988). *Journal of Computational and Applied Mathematics*, 22(2–3):381, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904153.

Anonymous:1988:BRO

[Ano88f] Anonymous. Book review: *Operator methods for optimal control problems*: Sung J. Lee (ed.) Lecture Notes in pure and applied mathematics vol. 108, Marcel dekker, Inc., New York, Basel, 1987, 344 pp., Price: $79.50 (U.S. and Canada), $95.25 (all other countries), ISBN: 0-8247-7811-1. *Journal of Computational and Applied Mathematics*, 24(3):N3, December 1988. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278890307X.

Anonymous:1988:CP

[Ano88g] Anonymous. Call for papers. *Journal of Computational and Applied Mathematics*, 24(3):N5–N6, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903111.

Anonymous:1988:EBa

[Ano88h] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 21(1):ii–iii, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903822.

Anonymous:1988:EBb

[Ano88i] Anonymous. Editorial board. *Journal of Computational and Applied Mathematics*, 22(1):iv–v, April 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902841.

Anonymous:1988:EBc

[Ano88j] Anonymous. Editorial board. *Journal of Computational and Applied Mathematics*, 23(1):ii–iii, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903251.

Anonymous:1988:IRD

[Ano88k] Anonymous. Institutional reports and doctoral theses. *Journal of Computational and Applied Mathematics*, 22(2–3):N2–N4, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904177.

Anonymous:1988:ICC

[Ano88l] Anonymous. International course on computational geometry. *Journal of Computational and Applied Mathematics*, 24(3):N6–N8, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903123.

Anonymous:1988:NCAa

[Ano88m] Anonymous. Newsletter on computational and applied mathematics. *Journal of Computational and Applied Mathematics*, 21(3):N1–N11, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/037704278890324X.

Anonymous:1988:NCAb

[Ano88n] Anonymous. Newsletter on computational and applied mathematics. *Journal of Computational and Applied Mathematics*, 22(2–3):N1, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904165.

Anonymous:1989:AC

[Ano89a] Anonymous. Announcement of conferences. *Journal of Computational and Applied Mathematics*, 26(3):N6–N11, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903154.

Anonymous:1989:AIVa

[Ano89b] Anonymous. Author index to volume 25 (1989). *Journal of Computational and Applied Mathematics*, 25(3):387–388, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900423.

Anonymous:1989:AIVb

[Ano89c] Anonymous. Author index to volume 26 (1989). *Journal of Computational and Applied Mathematics*, 26(3):377–378, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903117.

Anonymous:1989:AIVc

[Ano89d] Anonymous. Author index to volume 27 (1989). *Journal of Computational and Applied Mathematics*, 27(3): 431–432, November 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900290.

Anonymous:1989:AIVd

[Ano89e] Anonymous. Author index to volume 28 (1989). *Journal of Computational and Applied Mathematics*, 28(??):419–420, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903543.

Anonymous:1989:BRP

[Ano89f] Anonymous. Book review: *Proceedings of the international symposium on numerical analysis*: O. Celebi and B. Karasö (Eds.) 1989 Middle East Technical University, 350 pp., Price: ≈ 5 U.S.$ + mailing costs, ISBN 975-429-007-5. *Journal of*

Computational and Applied Mathematics, 26(3):N2, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903130`.

Anonymous:1989:EBa

[Ano89g] Anonymous. Editorial board. *Journal of Computational and Applied Mathematics*, 25(1):ii–iii, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900691`.

Anonymous:1989:EBb

[Ano89h] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 26(1–2):ii–iii, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789901428`.

Anonymous:1989:EBc

[Ano89i] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 27(1–2):ii–iii, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903567`.

Anonymous:1989:EBd

[Ano89j] Anonymous. Editorial Board. *Journal of Computational and Applied Mathematics*, 28(??):ii–iii, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903166`.

Anonymous:1989:EGK

[Ano89k] Anonymous. Erratum: Gauss–Kronrod quadrature formulae for weight functions of Bernstein–Szegő type: Journal of Computational and Applied Mathematics **25** (2) (1989) 199–224. *Journal of Computational and Applied Mathematics*, 27(3):429, November 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900289`. See [GN89].

Anonymous:1989:IRD

[Ano89l] Anonymous. Institutional reports and doctoral theses. *Journal of Computational and Applied Mathematics*, 26(3):N3–N5, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903142`.

Anonymous:1989:LIT

[Ano89m] Anonymous. List of invited talks. *Journal of Computational and Applied Mathematics*, 28(??):413, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278990352X.

Anonymous:1989:LPP

[Ano89n] Anonymous. List of papers presented at the congress. *Journal of Computational and Applied Mathematics*, 28(??):414–417, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903531.

Anonymous:1989:NCAa

[Ano89o] Anonymous. Newsletter on computational and applied mathematics. *Journal of Computational and Applied Mathematics*, 25(2):N1–N18, February 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900502.

Anonymous:1989:NCAb

[Ano89p] Anonymous. Newsletter on computational and applied mathematics: Vol. 5, nr. 3, November 1989. *Journal of Computational and Applied Mathematics*, 28(??):N1–N13, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903555.

Anonymous:1989:P

[Ano89q] Anonymous. Preface. *Journal of Computational and Applied Mathematics*, 27(1–2):ix–x, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903579.

Ohsaki:1988:ASM

[aON88] Ichi ann Ohsaki and Hiroshi Niki. The accelerated SAOR method for large linear systems. *Journal of Computational and Applied Mathematics*, 24(1–2):277–291, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903597.

Axelsson:1988:BPD

[AP88] O. Axelsson and B. Polman. Block preconditioning and domain decomposition methods. II. *Journal of Computational and Applied Mathematics*, 24(1–2):55–72, November 1988. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903433.

Adomian:1986:NCP

[AR86] G. Adomian and R. Rach. The noisy convergence phenomena in decomposition method solutions. *Journal of Computational and Applied Mathematics*, 15(3):379–381, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902281.

Adomian:1988:EID

[AR88] G. Adomian and R. Rach. Evaluation of integrals by decomposition. *Journal of Computational and Applied Mathematics*, 23(1):99–101, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903330.

Aubin:1988:PV

[AS88] Jean-Pierre Aubin and Karl Sigmund. Permanence and viability. *Journal of Computational and Applied Mathematics*, 22(2–3):203–209, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904001.

Astin:1982:CSP

[Ast82] J. Astin. Comment "On the sequence of the powers of a given matrix". *Journal of Computational and Applied Mathematics*, 8(1):69, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900109. See [Mei81].

Anglesio:1980:HPR

[AT80] J. D. Anglesio and B. A. Troesch. High precision results for a two-point boundary value problem. *Journal of Computational and Applied Mathematics*, 6(2):99–103, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900030.

Agarwal:1986:IMS

[AU86] Ravi P. Agarwal and Riaz A. Usmani. Iterative methods for solving right focal point boundary value problems. *Journal of Computational and Applied Mathematics*, 14(3):371–390, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/0377042786900749.

Axelsson:1985:IBM

[Axe85] O. Axelsson. Incomplete block matrix factorization preconditioning methods. The ultimate answer? *Journal of Computational and Applied Mathematics*, 12–13(??):3–18, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900044.

Andersson:1988:DCD

[AZ88] Åke E. Andersson and Wei-Bin Zhang. Decision centralization and decentralization in a dynamic economic system. *Journal of Computational and Applied Mathematics*, 22(2–3):319–337, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904116.

Baker:1984:IPH

[Bak84] George A. Baker, Jr. Invariance properties in Hermite–Padé approximation theory. *Journal of Computational and Applied Mathematics*, 11(1):49–56, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900311.

Barnett:1982:HPE

[Bar82] A. R. Barnett. High-precision evaluation of the regular and irregular Coulomb wavefunctions. *Journal of Computational and Applied Mathematics*, 8(1):29–33, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900043.

Barakat:1983:PSS

[Bar83] M. F. A. Barakat. On the product solutions of Sturm–Liouville equations with many parameters in a space of the type L_2. *Journal of Computational and Applied Mathematics*, 9(4):327–331, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900043.

Balas:1983:BMR

[BB83] Egon Balas and Christian Bergthaller. Benders's method revisited. *Journal of Computational and Applied Mathematics*, 9(1):3–12, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900249.

Balasundaram:1988:MFE

[BB88] S. Balasundaram and P. K. Bhattacharyya. A mixed finite-element method for fourth-order elliptic problems with variable coefficients. *Journal of Computational and Applied Mathematics*, 22(1):1–24, April 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788902853`.

Bignami:1982:MCM

[BC82] A. Bignami and E. Cupini. A Monte Carlo method for finite difference equations of elliptic type in a multiregion domain. *Journal of Computational and Applied Mathematics*, 8(2):87–92, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900602`.

Baker:1987:FTN

[BD87] C. T. H. Baker and M. S. Derakhshan. FFT techniques in the numerical solution of convolution equations. *Journal of Computational and Applied Mathematics*, 20(??):5–24, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901221`.

Bozzini:1985:RSL

[BdTL85] M. Bozzini, F. de Tisi, and L. Lenarduzzi. Reduced set of leads for electrocardiography, maintaining significant information. *Journal of Computational and Applied Mathematics*, 12–13(??):195–206, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900160`.

Beirlant:1982:CSR

[BDvdM82] J. Beirlant, E. J. Dudewicz, and E. C. van der Meulen. Complete statistical ranking of populations, with tables and applications. *Journal of Computational and Applied Mathematics*, 8(3): 187–201, September 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900419`.

Babuska:1989:SAP

[BE89] I. Babuska and H. C. Elman. Some aspects of parallel implementation of the finite-element method on message passing architectures. *Journal of Computational and Applied Mathematics*, 27(1–2):157–187, September 1989. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903658.

Bellen:1984:OSC

[Bel84] A. Bellen. One-step collocation for delay differential equations. *Journal of Computational and Applied Mathematics*, 10(3):275–283, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900396.

Belward:1986:EVF

[Bel86] J. A. Belward. An exponential version of Filon's rule. *Journal of Computational and Applied Mathematics*, 14(3):461–466, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900816.

Boutros:1986:LSF

[BeMM86] Y. Z. Boutros, M. B. Abd el Malek, and S. Z. Masoud. Linearized solution of a flow over a nonuniform bottom. *Journal of Computational and Applied Mathematics*, 16(1):105–116, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901779.

Berrut:1986:FIE

[Ber86] Jean-Paul Berrut. A Fredholm integral equation of the second kind for conformal mapping. *Journal of Computational and Applied Mathematics*, 14(1–2):99–110, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901329.

Berg:1988:ISS

[Ber88] Lothar Berg. Iterative solution of simultaneous equations. *Journal of Computational and Applied Mathematics*, 24(1–2):257–264, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903573.

Berntsen:1989:PEE

[Ber89a] Jarle Berntsen. Practical error estimation in adaptive multidimensional quadrature routines. *Journal of Computational and Applied Mathematics*, 25(3):327–340, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900368.

Bertram:1989:PIM

[Ber89b] B. Bertram. On the product integration method for solving singular integral equations in scattering theory. *Journal of Computational and Applied Mathematics*, 25(1):79–92, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900770`.

Brass:1989:EBQ

[BF89] Helmut Brass and Klaus-Jürgen Förster. Error bounds for quadrature formulas near Gaussian quadrature. *Journal of Computational and Applied Mathematics*, 28(??):145–154, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903269`.

Bunse-Gerstner:1988:SVD

[BGG88] Angelika Bunse-Gerstner and William B. Gragg. Singular value decompositions of complex symmetric matrices. *Journal of Computational and Applied Mathematics*, 21(1):41–54, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278890386X`.

Baumel:1981:PCP

[BGN81] R. T. Baumel, J. L. Gammel, and J. Nuttall. Placement of cuts in Padé-like approximation. *Journal of Computational and Applied Mathematics*, 7(2):135–140, June 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900474`.

Broeckx:1985:P

[BGPW85] F. Broeckx, M. Goovaerts, R. Piessens, and L. Wuytack. Preface. *Journal of Computational and Applied Mathematics*, 12–13(??):vii, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900019`.

Broeckx:1989:P

[BGPW89] F. Broeckx, M. J. Goovaerts, R. Piessens, and L. Wuytack. Preface. *Journal of Computational and Applied Mathematics*, 28(??):1, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903178`.

Brankin:1988:SBA

[BGS88] R. W. Brankin, I. Gladwell, and L. F. Shampine. Starting

BDF and Adams codes at optimal order. *Journal of Computational and Applied Mathematics*, 21(3):357–368, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903196.

Baratella:1981:ABF

[BGV81] P. Baratella, M. Garetto, and G. Vinardi. Approximation of the Bessel function $J_\nu(x)$ by numerical integration. *Journal of Computational and Applied Mathematics*, 7(2):87–91, June 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900401.

Broom:1983:PAH

[BH83] M. A. Broom and T. R. Hopkins. Peripheral and ADI hopscotch methods for two dimensional parabolic and elliptic equations with a mixed term. *Journal of Computational and Applied Mathematics*, 9(3):239–245, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900171.

Bialecki:1989:STA

[Bia89] Bernard Bialecki. Sinc-type approximations in H^1-norm with applications to boundary value problems. *Journal of Computational and Applied Mathematics*, 25(3):289–303, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900332.

Bickart:1982:SSI

[Bic82] Theodore A. Bickart. F-stable and $F[\alpha, \beta]$-stable integration/interpolation methods in the solution of retarded differential-difference equations. *Journal of Computational and Applied Mathematics*, 8(4):279–284, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900523.

Biringen:1981:NNS

[Bir81] Sedat Biringen. A note on the numerical stability of the convection–diffusion equation. *Journal of Computational and Applied Mathematics*, 7(1):17–20, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900024.

Baker:1987:CTR

[BL87a] George A. Baker, Jr. and D. S. Lubinsky. Conver-

gence theorems for rows of differential and algebraic Hermite–Padé approximations. *Journal of Computational and Applied Mathematics*, 18(1):29–52, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900549.

Brezinski:1987:LCL

[BL87b] C. Brezinski and A. Lembarki. The linear convergence of limit periodic continued fractions. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):75–77, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901749.

Blanc:1987:NMC

[Bla87] J. P. C. Blanc. On a numerical method for calculating state probabilities for queueing systems with more than one waiting line. *Journal of Computational and Applied Mathematics*, 20(??):119–125, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901294.

Blaheta:1988:MMO

[Bla88] Radim Blaheta. A multi-level method with overcorrection by aggregation for solving discrete elliptic problems. *Journal of Computational and Applied Mathematics*, 24(1–2):227–239, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278890355X.

Bowman:1984:BCI

[BLS84a] K. O. Bowman, H. K. Lam, and L. R. Shenton. Bounds for certain integrals. *Journal of Computational and Applied Mathematics*, 10(2):245–254, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278490061X.

Bowman:1984:BIU

[BLS84b] K. O. Bowman, H. K. Lam, and L. R. Shenton. Bounds for integrals using segments. *Journal of Computational and Applied Mathematics*, 11(1):57–68, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900323.

Bowman:1984:BER

[BLS84c] K. O. Bowman, H. K. Lam, and L. R. Shenton. Bounds

for the expectation of the k-th root of a random variable. *Journal of Computational and Applied Mathematics*, 10(2):229–244, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900608.

Baart:1987:RCI

[BM87] M. L. Baart and R. J. Y. McLeod. Rational curves and isoparametric transformations. *Journal of Computational and Applied Mathematics*, 18(1):121–128, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900604.

Bank:1989:SSC

[BM89] Randolph E. Bank and Hans D. Mittelmann. Stepsize selection in continuation procedures and damped Newton's method. *Journal of Computational and Applied Mathematics*, 26(1–2):67–77, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789901489.

Bogdanova:1986:OPO

[Bog86] Nina Bogdanova Bogdanova. Orthonormal polynomials in one and two dimensions: application to calibration problems in high energy physics. *Journal of Computational and Applied Mathematics*, 14(3):345–351, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900713.

Bonckaert:1987:SDL

[Bon87] Patrick Bonckaert. On the size of the domain of linearization in Hartman's theorem. *Journal of Computational and Applied Mathematics*, 19(2):279–282, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901968.

Bui:1984:RAM

[BOP84] T. D. Bui, A. K. Oppenheim, and D. T. Pratt. Recent advances in methods for numerical solution of O.D.E. initial value problems. *Journal of Computational and Applied Mathematics*, 11(3):283–296, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900037.

Behforooz:1980:ECI

[BP80] G. H. Behforooz and N. Papamichael. End conditions for interpolatory cubic splines with unequally spaced knots. *Journal of Computational and Applied Mathematics*, 6(1):59–65, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X80900182`.

Barnard:1986:RCG

[BP86] Roger W. Barnard and Kent Pearce. Rounding corners of gearlike domains and the omitted area problem. *Journal of Computational and Applied Mathematics*, 14(1–2):217–226, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786901408`.

Behforooz:1988:OPQ

[BP88] G. Behforooz and N. Papamichael. Overconvergence properties of quintic interpolatory splines. *Journal of Computational and Applied Mathematics*, 24(3): 337–347, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788902956`.

Barry:1989:MPI

[BPW89] J. M. Barry, J. P. Pollard, and E. W. Wachspress. A method of parallel iteration. *Journal of Computational and Applied Mathematics*, 28(??):119–127, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903245`.

Beernaert:1989:ERG

[BR89] Lutgarde Beernaert and Dirk Roose. Efficiency results for Gaussian elimination on the iPSC/2 hypercube. *Journal of Computational and Applied Mathematics*, 28(??):129–143, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903257`.

Brezinski:1983:RIE

[Bre83] Claude Brezinski. Recursive interpolation, extrapolation and projection. *Journal of Computational and Applied Mathematics*, 9(4): 369–376, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900080`.

Brezinski:1985:CAM

[Bre85] Claude Brezinski. Convergence acceleration methods: the past decade. *Journal of Computational and Applied Mathematics*, 12–13(??): 19–36, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900056.

Brezinski:1987:P

[Bre87a] C. Brezinski. Preface. *Journal of Computational and Applied Mathematics*, 19 (1 (supplement 1)):1, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901658.

Brezinski:1987:SML

[Bre87b] C. Brezinski. Successive modifications of limit periodic continued fractions. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):67–74, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901737.

Breuer:1989:PIO

[Bre89] Shlomo Breuer. Polynomial iterations of r-th order for the extraction of k-th roots. *Journal of Computational and Applied Mathematics*, 25(1):61–68, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900757.

Brunner:1982:SRA

[Bru82] Hermann Brunner. A survey of recent advances in the numerical treatment of Volterra integral and integro-differential equations. *Journal of Computational and Applied Mathematics*, 8(3): 213–229, September 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900444.

Brunner:1986:HOM

[Bru86] Hermann Brunner. High-order methods for the numerical solution of Volterra integro-differential equations. *Journal of Computational and Applied Mathematics*, 15(3):301–309, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902219.

Brunner:1989:NTV

[Bru89] Hermann Brunner. The numerical treatment of Volterra integro-differential equations

with unbounded delay. *Journal of Computational and Applied Mathematics*, 28 (??):5–23, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278990318X`.

Bowman:1983:CFP

[BS83] K. O. Bowman and L. R. Shenton. Continued fractions and the polygamma functions. *Journal of Computational and Applied Mathematics*, 9(1):29–39, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900262`.

Berry:1989:OPA

[BS89] Michael Berry and Ahmed Sameh. An overview of parallel algorithms for the singular value and symmetric eigenvalue problems. *Journal of Computational and Applied Mathematics*, 27(1–2):191–213, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278990366X`.

Balachandran:1988:ASN

[BTB88] K. Balachandran, E. Thandapani, and G. Balasubramanian. Approximate solutions of a nonlinear differential equation. *Journal of Computational and Applied Mathematics*, 24(3): 399–402, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903007`.

Budd:1989:SBS

[Bud89] Chris Budd. Symmetry breaking and semilinear elliptic equations. *Journal of Computational and Applied Mathematics*, 26(1–2):79–96, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789901490`.

Bultheel:1980:DAC

[Bul80] A. Bultheel. Division algorithms for continued fractions and the Padé table. *Journal of Computational and Applied Mathematics*, 6(4):259–266, December 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X80900340`.

Bultheel:1984:ICL

[Bul84a] A. Bultheel. On the ill conditioning of locating transmission zeros in least squares ARMA filtering. *Journal of Computa-*

tional and Applied Mathematics, 11(1):103–118, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900360.

Bultheel:1984:RRBa

[Bul84b] A. Bultheel. Recursive relations for block Hankel and Toeplitz systems. Part I: Direct recursions. *Journal of Computational and Applied Mathematics*, 10(3):301–328, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900426.

Bultheel:1984:RRBb

[Bul84c] A. Bultheel. Recursive relations for block Hankel and Toeplitz systems part II: Dual recursions. *Journal of Computational and Applied Mathematics*, 10(3):329–354, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900438.

Bultheel:1988:BRD

[Bul88a] A. Bultheel. Book review: *Digitale filter*: Hamming R. W. Informationstechnologie VCH Verlagsgesellschaft, Weinheim, F. R. Germany, 1987, 275 pp., Price: DM 64, ISBN 3-527-26463-9. *Journal of Computational and Applied Mathematics*, 24(3):N3, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903068.

Bultheel:1988:BRNb

[Bul88b] A. Bultheel. Book review: *Numerical methods*: D. Greenspan (University of Texas at Arlington, U.S.A.), P. Rózsa (Technical University of Budapest, Hungary), Colloquia Mathematica Societatis Janos Bolyai, vol 50 North-Holland, Elsevier Science Publishers, Amsterdam, 1988, 688 pp., Price: US $223.75 / Dfl. 425.00, ISBN 0-444-70209-1. *Journal of Computational and Applied Mathematics*, 24(3):N2, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903056.

Bultheel:1988:BRNa

[Bul88c] Adhemar Bultheel. Book review: *Notes on logic and set theory*: P. T. Johnstone, Cambridge University press, Cambridge, 1987, pp., Price: $34.5 H/b (ISBN: 0-521-33502-7), $12.95 P/b (ISBN: 0-521-33692-9). *Journal of Computational and Applied Math-*

ematics, 24(3):N2, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903044.

Bultheel:1986:PTM

[BV86] A. Bultheel and M. Van Barel. Padé techniques for model reduction in linear system theory: a survey. *Journal of Computational and Applied Mathematics*, 14(3):401–438, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900762.

Beauwens:1989:CAP

[BW89] Robert Beauwens and Renaud Wilmet. Conditioning analysis of positive definite matrices by approximate factorizations. *Journal of Computational and Applied Mathematics*, 26(3):257–269, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789902987.

Breuer:1984:RAS

[BZ84] Shlomo Breuer and Gideon Zwas. Rectified approximations for the solution of nonlinear equations. *Journal of Computational and Applied Mathematics*, 11 (2):251–258, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900244.

Bellen:1989:PAI

[BZ89] Alfredo Bellen and Marino Zennaro. Parallel algorithms for initial-value problems for difference and differential equations. *Journal of Computational and Applied Mathematics*, 25(3):341–350, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278990037X.

Cadete:1987:NPB

[Cad87] M. O. Rodrigues Cadete. A note on piecewise blending function interpolation applied to networks of curves in R^3. *Journal of Computational and Applied Mathematics*, 17(3):291–298, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901063.

Cahlon:1981:NSN

[Cah81] Baruch Cahlon. Numerical solution of non-linear Volterra integral equations. *Journal of Computational and Applied Mathematics*, 7(2):121–128, June 1981. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900450.

Caluwaerts:1985:APC

[Cal85] R. Caluwaerts. An automatic procedure for the calculation of bifurcation points of integral equations. *Journal of Computational and Applied Mathematics*, 12–13(??):207–215, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900172.

Caluwaerts:1986:NDM

[Cal86] R. Caluwaerts. A new direct method for the numerical calculation of a swallowtail. *Journal of Computational and Applied Mathematics*, 15(3):395–396, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278690230X.

Campbell:1980:SFF

[Cam80] J. B. Campbell. The solution by fast Fourier transforms of Laplace's equation in a toroidal region with a rectangular cross-section. *Journal of Computational and Applied Mathematics*, 6(2):89–92, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900017.

Campbell:1987:AVM

[Cam87] L. L. Campbell. Asymptotic value of a multidimensional normal probability integral. *Journal of Computational and Applied Mathematics*, 19(3):287–292, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901981.

Capobianco:1988:MNR

[Cap88] Maria Rosaria Capobianco. A method for the numerical resolution of Abel-type integral equations of the first kind. *Journal of Computational and Applied Mathematics*, 23(3):281–304, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788900039.

Carroll:1986:EFO

[Car86] John Carroll. Exponentially fitted one-step methods for the numerical solution of the scalar Riccati equation. *Journal of Computational and Applied Mathematics*, 16(1):9–25, September 1986. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901706.

Carroll:1989:CIS

[Car89] John Carroll. A composite integration scheme for the numerical solution of systems of ordinary differential equations. *Journal of Computational and Applied Mathematics*, 25(1):1–13, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900708.

Casti:1988:ECS

[Cas88] J. Casti. Engineering control systems and computing in the 90s. *Journal of Computational and Applied Mathematics*, 22(2–3):301–314, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904098.

Chen:1986:DNO

[CC86] Guanrong Chen and Charles K. Chui. Design of near-optimal linear digital tracking filters with colored input. *Journal of Computational and Applied Mathematics*, 15(3):353–370, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902268.

Chui:1989:SPQ

[CDR89] Charles K. Chui, Harvey Diamond, and Louise Raphael. Shape-preserving quasi-interpolation and interpolation by box spline surfaces. *Journal of Computational and Applied Mathematics*, 25(2):169–198, February 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900460.

Chronopoulos:1989:SIM

[CG89] A. T. Chronopoulos and C. W. Gear. s-step iterative methods for symmetric linear systems. *Journal of Computational and Applied Mathematics*, 25(2):153–168, February 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900459.

Cuninghame-Green:1984:EOO

[CGB84] R. A. Cuninghame-Green and R. E. Burkard. Eigenfunctions and optimal orbits. *Journal of Computational and Applied Mathematics*, 11(1):83–94, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042784900347.

Cools:1987:ACK

[CH87a] Ronald Cools and Ann Haegemans. Automatic computation of knots and weights of cubature formulae for circular symmetric planar regions. *Journal of Computational and Applied Mathematics*, 20(??):153–158, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901324.

Cools:1987:CFS

[CH87b] Ronald Cools and Ann Haegemans. Construction of fully symmetric cubature formulae of degree $4k - 3$ for fully symmetric planar regions. *Journal of Computational and Applied Mathematics*, 17(1–2):173–180, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900458.

Cloot:1988:AIK

[CH88] A. H. J. Cloot and B. M. Herbst. Analytical instability of the Klein–Gordon equation. *Journal of Computational and Applied Mathematics*, 21(1):17–26, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903846.

Chawla:1985:STS

[Cha85] M. M. Chawla. Superstable two-step methods for the numerical integration of general second order initial value problems. *Journal of Computational and Applied Mathematics*, 12–13(??):217–220, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900184.

Chawla:1986:NCE

[Cha86] M. M. Chawla. A new class of explicit two-step fourth order methods for $y'' = f(t, y)$ with extended intervals of periodicity. *Journal of Computational and Applied Mathematics*, 14(3):467–470, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900828.

Chawla:1987:FOF

[Cha87] M. M. Chawla. A fourth-order finite difference method based on uniform mesh for singular two-point boundary-value problems. *Journal of Computational and Applied Mathematics*, 17(3):359–364, March

1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901129.

Chen:1984:AEG

[Che84] T. H. C. Chen. Asymptotic estimates for the generalized Fourier coefficients. *Journal of Computational and Applied Mathematics*, 10(1):1–5, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900633.

Chin:1981:MAS

[Chi81] R. C. Y. Chin. On the matched asymptotic solution of the Troesch problem. *Journal of Computational and Applied Mathematics*, 7(3):181–185, September 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900164.

Chien:1989:SBB

[Chi89] C.-S. Chien. Secondary bifurcations in the buckling problem. *Journal of Computational and Applied Mathematics*, 25(3):277–287, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900320.

Chu:1983:AMM

[Chu83] Moody T. Chu. An automatic multistep method for solving stiff initial value problems. *Journal of Computational and Applied Mathematics*, 9(3):229–238, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278390016X.

Chawla:1980:FDM

[CK80] M. M. Chawla and C. P. Katti. Finite difference methods for a class of two-point boundary value problems with mixed boundary conditions. *Journal of Computational and Applied Mathematics*, 6(3):189–196, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X8090025X.

Chawla:1982:NSF

[CK82] M. M. Chawla and C. P. Katti. A new symmetric five-diagonal finite difference method for computing eigenvalues of fourth-order two-point boundary value problems. *Journal of Computational and Applied Mathematics*, 8(2):135–136, June

1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900699.

Chang:1987:EFC

[CK87] Stephen F. Chang and William J. Kennedy. Error-free computer solution of certain systems of linear equations. *Journal of Computational and Applied Mathematics*, 18(3):279–287, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900021.

Claessens:1981:GQA

[Cla81] Guido Claessens. A generalization of the QD algorithm. *Journal of Computational and Applied Mathematics*, 7(4):237–247, December 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900516.

Clegg:1981:NMC

[Cle81] David Benjamin Clegg. On Newton's method with a class of rational functions. *Journal of Computational and Applied Mathematics*, 7(2):93–100, June 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900413.

Cameron:1984:PIM

[CM84] R. F. Cameron and S. McKee. Product integration methods for second-kind Abel integral equations. *Journal of Computational and Applied Mathematics*, 11(1):1–10, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278490027X.

Chawla:1986:CLM

[CM86] M. M. Chawla and S. McKee. Convergence of linear multistep methods with multiple roots. *Journal of Computational and Applied Mathematics*, 14(3):451–454, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900798.

Cooper:1986:NNT

[CMM86] S. Clement Cooper, Arne Magnus, and J. H. McCabe. On the non-normal two-point Padé table. *Journal of Computational and Applied Mathematics*, 16(3): 371–380, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900075.

Chawla:1986:FTS

[CN86] M. M. Chawla and Beny Neta. Families of two-step fourth order P-stable methods for second order differential equations. *Journal of Computational and Applied Mathematics*, 15(2):213–223, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900282`.

Cole:1980:FES

[Col80] F. Cole. Forecasting by exponential smoothing, the Box and Jenkins procedure and spectral analysis. A simulation study. *Journal of Computational and Applied Mathematics*, 6(1):53–58, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X80900170`.

Coleman:1987:CPA

[Col87a] John P. Coleman. Complex polynomial approximation by the Lanczos τ-method: Dawson's integral. *Journal of Computational and Applied Mathematics*, 20(??):137–151, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901312`.

Coleman:1987:PAC

[Col87b] John P. Coleman. Polynomial approximations in the complex plane. *Journal of Computational and Applied Mathematics*, 18(2):193–211, May 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900161`.

Coleman:1988:CCS

[Col88] John P. Coleman. Characterisation of a class of P-stable methods for differential equations of second order. *Journal of Computational and Applied Mathematics*, 22(1):137–141, April 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788902919`.

Concepcion:1987:APT

[Con87] Concepción González Concepción. On the A-acceptability of Padé-type approximants to the exponential with a single pole. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):133–140, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.`

com/science/article/pii/0377042787901816.

Costantini:1988:ACS

[Cos88] Paolo Costantini. An algorithm for computing shape-preserving interpolating splines of arbitrary degree. *Journal of Computational and Applied Mathematics*, 22(1): 89–136, April 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902907.

Coughran:1989:CMS

[CPS89] W. M. Coughran, Jr., M. R. Pinto, and R. K. Smith. Continuation methods in semiconductor device simulation. *Journal of Computational and Applied Mathematics*, 26(1–2):47–65, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.math.utah.edu/pub/bibnet/authors/c/coughran-william-m.bib; http://www.sciencedirect.com/science/article/pii/0377042789901477.

Calvo:1982:SRR

[CQ82] M. Calvo and M. Mar Quemada. On the stability of rational Runge Kutta methods. *Journal of Computational and Applied Mathematics*, 8(4):289–292, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900547.

Chawla:1984:NTM

[CR84] M. M. Chawla and P. S. Rao. A Noumerov-type method with minimal phase-lag for the integration of second order periodic initial-value problems. *Journal of Computational and Applied Mathematics*, 11(3):277–281, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900025.

Chawla:1986:NTM

[CR86] M. M. Chawla and P. S. Rao. A Noumerov-type method with minimal phase-lag for the integration of second order periodic initial-value problems. II: explicit method. *Journal of Computational and Applied Mathematics*, 15(3):329–337, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902244.

Chawla:1987:ESO

[CR87] M. M. Chawla and P. S. Rao. An explicit sixth-order method with phase-lag of order eight for $y'' = f(t, y)$. *Journal of Computational and Applied Mathematics*, 17(3):365–368, March

1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901130.

Crisci:1986:TMP

[Cri86] M. R. Crisci. The tau method with perturbation term depending on the differential operator. *Journal of Computational and Applied Mathematics*, 15(1):123–136, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902451.

Chawla:1986:TSF

[CRN86] M. M. Chawla, P. S. Rao, and Beny Neta. Two-step fourth-order P-stable methods with phase-lag of order six for $y'' = f(t, y)$. *Journal of Computational and Applied Mathematics*, 16(2):233–236, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900944.

Crouzeix:1987:MAS

[Cro87] Michel Crouzeix. On multistep approximation of semigroups in Banach spaces. *Journal of Computational and Applied Mathematics*, 20 (??):25–35, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901233.

Chawla:1984:ASE

[CS84a] M. M. Chawla and S. R. Sharma. Absolute stability of explicit Runge–Kutta–Nyström methods for $y'' = f(x, y, y')$. *Journal of Computational and Applied Mathematics*, 10(2):163–168, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900530.

Chawla:1984:RAS

[CS84b] M. M. Chawla and R. Subramanian. Regions of absolute stability of explicit Runge–Kutta–Nyström methods for $y'' = f(x, y, y')$. *Journal of Computational and Applied Mathematics*, 11 (2):259–266, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900256.

Chawla:1986:FDM

[CS86] M. M. Chawla and P. N. Shivakumar. A finite difference method for a class of two-point boundary value problems over a semi-infinite range. *Journal of Computational and Applied Mathematics*, 15(2):251–256,

June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900312.

Chawla:1987:ESC

[CS87] M. M. Chawla and P. N. Shivakumar. On the existence of solutions of a class of singular nonlinear two-point boundary value problems. *Journal of Computational and Applied Mathematics*, 19(3):379–388, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787902068.

Chawla:1988:NFO

[CS88] M. M. Chawla and R. Subramanian. A new fourth-order cubic spline method for second-order nonlinear two-point boundary-value problems. *Journal of Computational and Applied Mathematics*, 23(1):1–10, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903263.

Castillo:1987:MAV

[CSR87] JoséE. Castillo, Stanly Steinberg, and Patrick J. Roache. Mathematical aspects of variational grid generation II. *Journal of Computational and Applied Mathematics*, 20(??):127–135, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901300.

Chawla:1988:FOS

[CSS88] M. M. Chawla, R. Subramanian, and H. L. Sathi. A fourth-order spline method for singular two-point boundary-value problems. *Journal of Computational and Applied Mathematics*, 21(2):189–202, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902671.

Cubillos:1984:IOG

[Cub84] Pedro O. Cubillos. Integral operators with Green's function type kernel. *Journal of Computational and Applied Mathematics*, 10(1):25–31, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900657.

Cuyt:1985:RMP

[Cuy85] Annie A. M. Cuyt. A review of multivariate Padé approximation theory. *Journal of Computational and Applied Mathematics*, 12–13(??):221–232,

May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900196.

Cuyt:1986:SRC

[Cuy86] A. Cuyt. Singular rules for the calculation of non-normal multivariate Padé approximants. *Journal of Computational and Applied Mathematics*, 14(3):289–301, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900671.

Cuyt:1987:EMS

[Cuy87a] A. Cuyt. The Euler–Minding series for branched continued fractions. *Journal of Computational and Applied Mathematics*, 17(3):369–373, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901142.

Cuyt:1987:BWP

[Cuy87b] Annie Cuyt. A bibliography of the works of Prof. Dr. H. Werner. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):3–8, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278790166X.

Cuyt:1988:MRD

[CV88] Annie Cuyt and Brigitte Verdonk. Multivariate reciprocal differences for branched Thiele continued fraction expansions. *Journal of Computational and Applied Mathematics*, 21(2):145–160, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902646.

Charlier:1989:JLA

[CvD89] J.-P. Charlier and P. van Dooren. A Jacobi-like algorithm for computing the generalized Schur form of a regular pencil. *Journal of Computational and Applied Mathematics*, 27(1–2):17–36, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903592.

Cullum:1985:SLP

[CW85] Jane Cullum and Ralph A. Willoughby. A survey of Lanczos procedures for very large real 'symmetric' eigenvalue problems. *Journal of Computational and Applied Mathematics*, 12–13(??):37–60, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042785900068.

Cuyt:1984:CMP

[CWW84] Annie Cuyt, L. Wuytack, and H. Werner. On the continuity of the multivariate Padé operator. *Journal of Computational and Applied Mathematics*, 11(1):95–102, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900359.

DaSilva:1987:NTD

[Da 87] M. R. Da Silva. Numerical treatment of differential equations with the τ-method. *Journal of Computational and Applied Mathematics*, 20(??):167–173, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901348.

Dahmen:1986:SAC

[Dah86] Wolfgang Dahmen. Subdivision algorithms converge quadratically. *Journal of Computational and Applied Mathematics*, 16(2):145–158, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900885.

Day:1984:MCR

[Day84a] J. D. Day. On minimum configuration Rosenbrock methods. *Journal of Computational and Applied Mathematics*, 11(3):381–383, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900141.

Day:1984:RTE

[Day84b] J. D. Day. Run time estimation of the spectral radius of Jacobians. *Journal of Computational and Applied Mathematics*, 11(3):315–323, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900062.

Day:1986:MCF

[Day86] J. D. Day. A minimum configuration fourth-order nonautonomous explicit Rosenbrock method for nonstiff differential equations. *Journal of Computational and Applied Mathematics*, 16(2):247–250, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900981.

denBroeder:1980:BNC

[dB80] G. den Broeder. Be-

tween Newton and Cauchy: the diagonal variable metric method; theory and test results. *Journal of Computational and Applied Mathematics*, 6(4):267–273, December 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X80900352`.

deBruin:1983:NCR

[dB83] Marcel G. de Bruin. New convergence results for continued fractions generated by four-term recurrence relations. *Journal of Computational and Applied Mathematics*, 9(3):271–278, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900195`.

deBoor:1983:BBS

[dBH83] C. de Boor and K. Höllig. Bivariate box splines and smooth pp functions on a three direction mesh. *Journal of Computational and Applied Mathematics*, 9(1):13–28, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900250`.

Drachman:1981:TTH

[DC81] B. Drachman and C. I. Chuang. A table of two hundred zeros of the derivative of the modified Bessel function $K_n(z)$ and a graph of their distribution. *Journal of Computational and Applied Mathematics*, 7(3):167–171, September 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900140`.

deDoelder:1984:CIR

[dD84] P. J. de Doelder. On the Clausen integral $\mathrm{Cl}_2(\Theta)$ and a related integral. *Journal of Computational and Applied Mathematics*, 11(3): 325–330, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900074`.

DeGroen:1987:FSE

[DD87] P. De Groen and B. De Moor. The fit of a sum of exponentials to noisy data. *Journal of Computational and Applied Mathematics*, 20(??):175–187, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278790135X`.

DeVries:1984:CSA

[De 84] H. B. De Vries. A comparative study of ADI splitting

methods for parabolic equations in two space dimensions. *Journal of Computational and Applied Mathematics*, 10(2):179–193, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900566`.

DeMey:1985:ABE

[De 85] G. De Mey. The auxiliary boundary element method for time dependent problems. *Journal of Computational and Applied Mathematics*, 12–13(??):239–245, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900214`.

DeBruin:1988:SPP

[De 88] Marcel G. De Bruin. Simultaneous partial Padé approximants. *Journal of Computational and Applied Mathematics*, 21(3):343–355, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903184`.

DeOliveira:1989:SSC

[De 89] Paula De Oliveira. Some simple characterizations of contractivity regions. *Journal of Computational and Applied Mathematics*, 25(1):27–32, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900721`.

Dehesa:1981:LMT

[Deh81] Jesus S. Dehesa. Lanczos method of tridiagonalization, Jacobi matrices and physics. *Journal of Computational and Applied Mathematics*, 7(4):249–259, December 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900528`.

Delillo:1987:SRA

[Del87] Thomas K. Delillo. On some relations among numerical conformal mapping methods. *Journal of Computational and Applied Mathematics*, 19(3):363–377, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787902056`.

Doedel:1989:NCH

[DF89] Eusebius J. Doedel and Mark J. Friedman. Numerical computation of heteroclinic orbits. *Journal of Computational and Applied Mathematics*, 26(1–2):155–170, June 1989. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789901532.

deGroen:1981:FEM

[dG81] P. P. N. de Groen. A finite element method with a large mesh-width for a stiff two-point boundary value problem. *Journal of Computational and Applied Mathematics*, 7(1):3–15, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900012.

DeVylder:1982:UBR

[DG82] F. De Vylder and M. J. Goovaerts. Upper bounds for ruin probabilities in a new general risk model, by the martingales method. *Journal of Computational and Applied Mathematics*, 8(2):121–126, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900651.

deGroen:1989:SGM

[dGvV89] P. P. N. de Groen and M. van Veldhuizen. A stabilized Galerkin method for convection dominated diffusion problems. *Journal of Computational and Applied Mathematics*, 28(??):155–162, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903270.

Delosme:1989:BAS

[DI89] Jean-Marc Delosme and Ilse C. F. Ipsen. From Bareiss' algorithm to the stable computation of partial correlations. *Journal of Computational and Applied Mathematics*, 27(1–2):53–91, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903610.

Dick:1982:LMA

[Dic82a] E. Dick. Local modal analysis of unsteady discrete systems with nodal equations of unequal form. *Journal of Computational and Applied Mathematics*, 8(1):63–67, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900092.

Dick:1982:OMH

[Dic82b] E. Dick. Overrelaxation methods for hybrid systems of first order partial differential equations. *Journal of Computational and Applied Mathematics*, 8(4):267–273, December 1982. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X8290050X.

Dick:1985:MMC

[Dic85] E. Dick. A multigrid method for the Cauchy–Riemann equations based on flux-difference splitting and its extension to the steady Euler equations. *Journal of Computational and Applied Mathematics*, 12–13(??):247–263, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900226.

Dick:1987:EST

[Dic87] E. Dick. Elliptic solution techniques for Euler and Navier–Stokes equations in steady flow. *Journal of Computational and Applied Mathematics*, 20(??):199–209, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901373.

Dick:1989:MAF

[Dic89] Erik Dick. Multigrid acceleration of a flux-difference splitting method for steady Euler equations. *Journal of Computational and Applied Mathematics*, 28(??): 173–180, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903294.

Dierckx:1986:AFD

[Die86] P. Dierckx. An algorithm for fitting data over a circle using tensor product splines. *Journal of Computational and Applied Mathematics*, 15(2):161–173, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900245.

Dixon:1986:GRQ

[Dix86] Jennifer A. Dixon. Generalized reducible quadrature methods for Volterra integral and integro-differential equations. *Journal of Computational and Applied Mathematics*, 16(1):27–42, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901718.

Dixon:1987:NWS

[Dix87] Jennifer A. Dixon. A nonlinear weakly singular Volterra integro-differential equation arising from a reaction–diffusion study in a small cell. *Journal of Computational and Applied Mathematics*, 18(3):289–305, June

1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900033.

Dyer:1984:BBA

[DKW84] M. E. Dyer, N. Kayal, and J. Walker. A branch and bound algorithm for solving the multiple-choice knapsack problem. *Journal of Computational and Applied Mathematics*, 11(2):231–249, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900232.

Deville:1982:AEM

[DL82] M. Deville and G. Labrosse. An algorithm for the evaluation of multidimensional (direct and inverse) discrete Chebyshev transforms. *Journal of Computational and Applied Mathematics*, 8(4): 293–304, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900559.

deLuca:1989:QVI

[dLM89] Marino de Luca and Antonino Maugeri. Quasi-variational inequalities and applications to the traffic equilibrium problem: discussion of a paradox. *Journal of Computational and Applied Mathematics*, 28(??):163–171, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903282.

Day:1982:SFO

[DM82] J. D. Day and D. N. P. Murthy. An l(a)-stable fourth order Rosenbrock method with error estimator. *Journal of Computational and Applied Mathematics*, 8(1):21–27, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900031.

Day:1983:CSO

[DM83] J. D. Day and D. N. P. Murthy. A comparison of some ODE solvers which require Jacobian evaluations. *Journal of Computational and Applied Mathematics*, 9(3): 213–219, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900146.

Dahmen:1984:OAR

[DM84a] Wolfgang Dahmen and Charles A. Micchelli. On the optimal approximation rates for criss-cross finite element

spaces. *Journal of Computational and Applied Mathematics*, 10(3):255–273, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900384.

Dreyer:1984:NSP

[DM84b] T. P. Dreyer and D. M. Murray. The numerical solution of the pre-elimination models of cable configurations. *Journal of Computational and Applied Mathematics*, 10(1):81–91, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900724.

Deville:1987:ISI

[DMP87] M. O. Deville, E. H. Mund, and A. T. Patera. Iterative solution of isoparametric spectral element equations by low-order finite element preconditioning. *Journal of Computational and Applied Mathematics*, 20(??):189–197, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901361.

Dargahi-Noubary:1985:EEE

[DN85] G. R. Dargahi-Noubary. On evaluation of the effects of earthquake and wind on reliability of a structure. *Journal of Computational and Applied Mathematics*, 12–13(??):233–237, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900202.

Dargahi-Noubary:1987:CGR

[DN87] G. R. Dargahi-Noubary. Classification of Gaussian random processes using a simple linear discriminant and its application to seismic differentiation. *Journal of Computational and Applied Mathematics*, 19(2):269–277, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901956.

Dargahi-Noubary:1988:PSS

[DN88] G. R. Dargahi-Noubary. A parametric solution for simple stress-strength model of failure with an application. *Journal of Computational and Applied Mathematics*, 23(2):185–197, August 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902804.

Dobronec:1988:TSS

[Dob88] B. S. Dobronec. Two-sided solution of ODEs via a posteriori error estimates. *Journal of Computational and Applied Mathematics*, 23(1):53–61, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903305`.

Doring:1985:ZFF

[Dör85] B. Döring. On the zeros of Flett's function. *Journal of Computational and Applied Mathematics*, 12–13(??):265–270, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785902238`.

Dormand:1980:FER

[DP80] J. R. Dormand and P. J. Prince. A family of embedded Runge–Kutta formulae. *Journal of Computational and Applied Mathematics*, 6(1):19–26, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X80900133`.

Dormand:1986:RSE

[DP86] J. R. Dormand and P. J. Prince. A reconsideration of some embedded Runge–Kutta formulae. *Journal of Computational and Applied Mathematics*, 15(2):203–211, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900270`.

Dierckx:1988:VNN

[DP88] P. Dierckx and R. Piessens. Vol. 4, nr. 3, November 1988. *Journal of Computational and Applied Mathematics*, 24(3):N1, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903032`.

DAlmeida:1987:IRE

[DR87a] Filomena Dias D'Almeida and Maria João Rodrigues. Is the iterative refinement of eigenelements an expensive technique? *Journal of Computational and Applied Mathematics*, 20(??):159–166, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901336`.

DeVilliers:1987:OLS

[DR87b] J. M. De Villiers and C. H. Rohwer. Optimal local spline interpolants. *Journal of Computational and Applied Mathematics*, 18(1):107–119, April

1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900598.

Deakin:1987:GMR

[DR87c] A. S. Deakin and H. Rasmussen. A generalized moment representation of two free boundary problems. *Journal of Computational and Applied Mathematics*, 19(3):351–361, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787902044.

Draux:1987:EAN

[Dra87] André Draux. The epsilon algorithm in a non-commutative algebra. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):9–21, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901671.

Draux:1988:NNP

[Dra88] André Draux. On the non-normal Padé table in a non-commutative algebra. *Journal of Computational and Applied Mathematics*, 21(3):271–288, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903147.

Drummond:1984:CSC

[Dru84] J. E. Drummond. Convergence speeding, convergence and summability. *Journal of Computational and Applied Mathematics*, 11 (2):145–159, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900177.

DeDier:1989:IBF

[DRV89] Bart De Dier, Dirk Roose, and Paul Van Rompay. Interaction between fold and Hopf curves leads to new bifurcation phenomena. *Journal of Computational and Applied Mathematics*, 26(1–2):171–186, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789901544.

Dongarra:1989:BRM

[DSH89] Jack J. Dongarra, Danny C. Sorensen, and Sven J. Hammarling. Block reduction of matrices to condensed forms for eigenvalue computations. *Journal of Computational and Applied Mathematics*, 27(1–2):215–227, September 1989. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903671.

Dierckx:1988:ASR

[DSV88] Paul Dierckx, Paul Suetens, and Dirk Vandermeulen. An algorithm for surface reconstruction from planar contours using smoothing splines. *Journal of Computational and Applied Mathematics*, 23(3):367–388, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788900076.

Duff:1989:MSM

[Duf89] Iain S. Duff. Multiprocessing a sparse matrix code on the Alliant FX/8. *Journal of Computational and Applied Mathematics*, 27(1–2):229–239, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903683.

Dunham:1980:FPD

[Dun80] Charles B. Dunham. A Fortran program for discrete nonlinear Chebyshev approximation. *Journal of Computational and Applied Mathematics*, 6(3):241–245, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900315.

Dunham:1982:WDN

[Dun82] Charles B. Dunham. Weighted discrete nonlinear Chebyshev approximation. *Journal of Computational and Applied Mathematics*, 8(2):133, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900687.

Dunham:1984:LIM

[Dun84a] Charles B. Dunham. The linear inequality method for rational approximation with interpolation. *Journal of Computational and Applied Mathematics*, 10(3):383, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900451.

Dunham:1984:SLI

[Dun84b] Charles B. Dunham. Stability of the linear inequality method for rational Chebyshev approximation. *Journal of Computational and Applied Mathematics*, 11(2):139–143, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/0377042784900165.

Dunham:1988:AOF

[Dun88] Charles B. Dunham. Approximation with one (or few) parameters nonlinear. *Journal of Computational and Applied Mathematics*, 21 (1):115–118, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903937.

Dellnitz:1989:CMB

[DW89] Michael Dellnitz and Bodo Werner. Computational methods for bifurcation problems with symmetries-with special attention to steady state and Hopf bifurcation points. *Journal of Computational and Applied Mathematics*, 26(1–2):97–123, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789901507.

Dyksen:1986:TPG

[Dyk86] Wayne R. Dyksen. A tensor product generalized ADI method for elliptic problems on cylindrical domains with holes. *Journal of Computational and Applied Mathematics*, 16(1):43–58, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278690172X.

Essah:1989:NSF

[ED89] W. A. Essah and L. M. Delves. The numerical solution of first kind integral equations. *Journal of Computational and Applied Mathematics*, 27(3):363–387, November 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278990023X.

Eichenauer-Herrmann:1989:MEL

[EHL89] Jürgen Eichenauer-Herrmann and Jürgen Lehn. Minimax estimators for the location parameter of a noncentral exponential distribution when the parameter space is bounded. *Journal of Computational and Applied Mathematics*, 26(3):333–337, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903051.

Ehrenmark:1988:TPF

[Ehr88] Ulf Torsten Ehrenmark. A three-point formula for numerical quadrature of oscillatory integrals with variable frequency. *Journal of Computational and Applied Mathematics*, 21(1):87–99, January 1988. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903901.

Eiermann:1984:CPT

[Eie84] Michael Eiermann. On the convergence of Padé-type approximants to analytic functions. *Journal of Computational and Applied Mathematics*, 10(2):219–227, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900591.

Egecioglu:1989:RDA

[EKL89] Ömer Eğecioğlu, Çetin K. Koc, and Alan J. Laub. A recursive doubling algorithm for solution of tridiagonal systems on hypercube multiprocessors. *Journal of Computational and Applied Mathematics*, 27(1–2):95–108, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903622.

Evans:1988:CSM

[EL88] D. J. Evans and C. Li. On the convergence of the SAOR method and the error bounds for its acceleration. *Journal of Computational and Applied Mathematics*, 23(3):267–279, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788900027.

Eggert:1989:TRA

[EL89a] Norm Eggert and John Lund. The trapezoidal rule for analytic functions of rapid decrease. *Journal of Computational and Applied Mathematics*, 27(3):389–406, November 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900241.

Ewerbring:1989:CCG

[EL89b] L. Magnus Ewerbring and Franklin T. Luk. Canonical correlations and generalized SVD: Applications and new algorithms. *Journal of Computational and Applied Mathematics*, 27(1–2):37–52, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903609.

Eilbeck:1988:BDC

[ELS88] J. C. Eilbeck, P. S. Lomdahl, and A. C. Scott. Biomolecular dynamics by computer analysis. *Journal of Computational and Applied Mathematics*, 22(2–3):297–299, June 1988. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904086.

Eilbeck:1986:CBF

[EM86] J. C. Eilbeck and V. S. Manoranjan. A comparison of basis functions for the pseudo-spectral method for a model reaction–diffusion problem. *Journal of Computational and Applied Mathematics*, 15(3):371–378, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278690227X.

Engels:1987:SPD

[EM87] Hermann Engels and Bernd Anton Merschen. Some properties of dual quadrature formulae. *Journal of Computational and Applied Mathematics*, 17(1–2):69–77, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900392.

Abd-el-Malek:1989:ASF

[eMH89] Mina B. Abd el Malek and Sarwat N. Hanna. Approximate solution of a flow over a ramp for large Froude number. *Journal of Computational and Applied Mathematics*, 28(??):105–117, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903233.

Evans:1982:NSE

[EO82] D. J. Evans and S. O. Okolie. The numerical solution of an elliptic P.D.E. with periodic boundary conditions in a rectangular region by the spectral resolution method. *Journal of Computational and Applied Mathematics*, 8(4):237–241, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900468.

Eriksson:1988:STS

[Eri88] Jan R. Eriksson. The simultaneous two-step entropy model. *Journal of Computational and Applied Mathematics*, 22(2–3):271–283, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904062.

El-Sirafy:1985:TDF

[ES85] Ibrahim H. El-Sirafy. Two-dimensional flow of a non-stationary micropolar fluid in the half-plane for which the shear stresses are given on the boundary. *Journal of Com-*

putational and Applied Mathematics, 12–13(??):271–276, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278590024X.

Elcrat:1986:CFS

[ET86] Alan R. Elcrat and Lloyd N. Trefethen. Classical free-streamline flow over a polygonal obstacle. *Journal of Computational and Applied Mathematics*, 14(1–2):251–265, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901421.

Fabrikant:1987:EPS

[Fab87] V. I. Fabrikant. Electrostatic problem of several arbitrarily charged unequal coaxial disks. *Journal of Computational and Applied Mathematics*, 18(2):129–147, May 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900124.

Farwig:1986:MIA

[Far86] Reinhard Farwig. Multivariate interpolation of arbitrarily spaced data by moving least squares methods. *Journal of Computational and Applied Mathematics*, 16(1):79–93, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901755.

Filippi:1989:SCD

[FB89] S. Filippi and U. Buchacker. Stepsize control for delay differential equations using a pair of formulae. *Journal of Computational and Applied Mathematics*, 26(3):339–343, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903063.

Filippi:1986:NRK

[FG86] S. Filippi and J. Gräf. New Runge–Kutta–Nyström formula-pairs of order 8(7), 9(8), 10(9) and 11(10) for differential equations of the form $y'' = f(x, y)$. *Journal of Computational and Applied Mathematics*, 14(3):361–370, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900737.

Ford:1989:UFV

[FG89] J. A. Ford and R.-A. Ghandhari. On the use of function-values in unconstrained optimisation. *Journal of Computational and Ap-*

plied Mathematics, 28(??): 187–198, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903312.

Fisher:1988:ITS

[FH88] P. G. Fisher and A. J. Hughes Hallett. Iterative techniques for solving simultaneous equation systems: a view from the economics literature. *Journal of Computational and Applied Mathematics*, 24(1–2):241–255, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903561.

Fischer:1989:ADC

[Fis89] Herbert Fischer. Automatic differentiation of characterizing sequences. *Journal of Computational and Applied Mathematics*, 28(??): 181–185, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903300.

Feng:1988:AIN

[FK88] Yu Yu Feng and Jernej Kozak. An approach to the interpolation of nonuniformly spaced data. *Journal of Computational and Applied Mathematics*, 23(2):169–178, August 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902786.

Farmer:1985:ACZ

[FL85] M. R. Farmer and G. Loizou. An algorithm for the computation of zeros of a special class of entire functions. *Journal of Computational and Applied Mathematics*, 12–13(??):433–445, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900378.

Forbes:1986:AMM

[For86a] G. W. Forbes. Automation of the manipulation of multivariate power series. *Journal of Computational and Applied Mathematics*, 15(1):37–58, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902372.

Forbes:1986:TMM

[For86b] G. W. Forbes. Truncation and manipulation of multivariate power series. *Journal of Computational and Applied Mathematics*, 15(1):27–36, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-

1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902360.

Forsyth:1980:HOP

[FR80] P. Forsyth, Jr. and H. Rasmussen. High order perturbation solution of the electrochemical smoothing problem. *Journal of Computational and Applied Mathematics*, 6(1):37–42, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900157.

Freeden:1984:SSI

[Fre84] Willi Freeden. Spherical spline interpolation-basic theory and computational aspects. *Journal of Computational and Applied Mathematics*, 11(3):367–375, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900116.

Ford:1987:CMM

[FS87] John A. Ford and Adel F. Saadallah. On the construction of minimisation methods of quasi-Newton type. *Journal of Computational and Applied Mathematics*, 20(??):239–246, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901403.

Fukushima:1984:CCO

[Fuk84] Masao Fukushima. On the convergence of a class of outer approximation algorithms for convex programs. *Journal of Computational and Applied Mathematics*, 10(2):147–156, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900517.

Fack:1987:SFD

[FVD87] V. Fack, G. Vanden Berghe, and H. E. De Meyer. Some finite difference methods for computing eigenvalues and eigenvectors of special two-point boundary value problems. *Journal of Computational and Applied Mathematics*, 20(??):211–217, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901385.

Fishman:1987:PSM

[FW87] Louis Fishman and Stephen C. Wales. Phase space methods and path integration: the analysis and computation of scalar wave equations. *Journal of Computa-*

tional and Applied Mathematics, 20(??):219–238, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901397.

Gabutti:1980:GMC

[Gab80] Bruno Gabutti. On the generalization of a method for computing Bessel function integrals. *Journal of Computational and Applied Mathematics*, 6(2):167–168, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900108.

Garloff:1986:PBI

[Gar86a] J. Garloff. On power-boundedness of interval matrices. *Journal of Computational and Applied Mathematics*, 14(3):353–360, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900725.

Garloff:1986:CTP

[Gar86b] Jürgen Garloff. Continuation of two previous bibliographies on interval mathematics. *Journal of Computational and Applied Mathematics*, 15(2):265, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900348.

Gautschi:1985:OPC

[Gau85] Walter Gautschi. Orthogonal polynomials — constructive theory and applications. *Journal of Computational and Applied Mathematics*, 12–13(??):61–76, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278590007X.

Gerck:1980:CFC

[Gd80] Edgardo Gerck and Augusto Brandão d'Oliveira. Continued fraction calculation of the eigenvalues of tridiagonal matrices arising from the Schroedinger equation. *Journal of Computational and Applied Mathematics*, 6(1):81–82, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900200.

Gera:1986:SIE

[Ger86] Amos E. Gera. Singular integral equations with a Cauchy kernel. *Journal of Computational and Applied Mathematics*, 14(3):311–318, March 1986. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900695.

Garibotti:1983:RRR

[GG83] C. R. Garibotti and F. F. Grinstein. Recent results relevant to the evaluation of infinite series. *Journal of Computational and Applied Mathematics*, 9(3):193–200, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900110.

Grosjean:1985:SEC

[GG85] C. C. Grosjean and M. J. Goovaerts. On the series expansion of certain types of integral transforms — Part I. *Journal of Computational and Applied Mathematics*, 12–13(??):277–298, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900251.

Grosjean:1988:AEO

[GG88] C. C. Grosjean and M. J. Goovaerts. The analytical evaluation of one-dimensional Gaussian path-integrals. *Journal of Computational and Applied Mathematics*, 21(3):311–331, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903160.

Gerber:1981:WPD

[GGD81] Hans U. Gerber, Marc Goovaerts, and Nelson DePril. The Wiener process with drift between a linear retaining and an absorbing barrier. *Journal of Computational and Applied Mathematics*, 7(4):267–269, December 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900541.

Goovaerts:1983:E

[GGW83] M. J. Goovaerts, W. B. Gragg, and L. Wuytack. Editorial. *Journal of Computational and Applied Mathematics*, 9(1):1, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900237.

George:1989:SSP

[GHLN89] Alan George, Michael Heath, Joseph Liu, and Esmond Ng. Solution of sparse positive definite systems on a hypercube. *Journal of Computational and Applied Mathematics*, 27(1–2):129–156, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042789903646.

Gill:1988:CAF

[Gil88] John Gill. Compositions of analytic functions of the form $F_n(z) = F_{n-1}(f_n(z))$, $f_n(z) \to f(z)$. *Journal of Computational and Applied Mathematics*, 23(2):179–184, August 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902798.

Genz:1986:NEC

[GK86] Alan Genz and David K. Kahaner. The numerical evaluation of certain multivariate normal integrals. *Journal of Computational and Applied Mathematics*, 16(2):255–258, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901007.

Gearhart:1989:ASM

[GK89] William B. Gearhart and Mathew Koshy. Acceleration schemes for the method of alternating projections. *Journal of Computational and Applied Mathematics*, 26(3):235–249, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789902963.

Giordano:1983:EAZ

[GL83] Carla Giordano and Andrea Laforgia. Elementary approximations for zeros of Bessel functions. *Journal of Computational and Applied Mathematics*, 9(3):221–228, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900158.

Givens:1984:SES

[GL84] Clark R. Givens and Chi Yeung Lo. Series expansions of solutions of $u_{xx} + (2\nu x)u_x + \epsilon^2 u_{tt} = u_t$. *Journal of Computational and Applied Mathematics*, 10(1):7–23, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900645.

Gabutti:1987:NAD

[GL87a] Bruno Gabutti and Paolo Lepora. A novel approach for the determination of asymptotic expansions of certain oscillatory integrals. *Journal of Computational and Applied Mathematics*, 19(2):189–206, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042787901890.

Gasca:1987:ETI

[GL87b] M. Gasca and E. Lebrón. Elimination techniques and interpolation. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):125–132, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901804.

Glasser:1984:SIA

[Gla84] M. L. Glasser. On some integrals arising in mathematical physics. *Journal of Computational and Applied Mathematics*, 10(3):293–299, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900414.

Gear:1985:AIE

[GLG85] C. W. Gear, B. Leimkuhler, and G. K. Gupta. Automatic integration of Euler–Lagrange equations with constraints. *Journal of Computational and Applied Mathematics*, 12–13(??):77–90, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900081.

Gregus:1987:DCF

[GLSZ87] M. Gregus, Jr., Yu. Yu. Lobanov, O. V. Sidorova, and E. P. Zhidkov. On the deterministic computation of functional integrals in application to quantum mechanical problems. *Journal of Computational and Applied Mathematics*, 20(??):247–256, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901415.

Genz:1980:RAA

[GM80a] A. C. Genz and A. A. Malik. Remarks on Algorithm 006: an adaptive algorithm for numerical integration over an N-dimensional rectangular region. *Journal of Computational and Applied Mathematics*, 6(4):295–302, December 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X8090039X.

Graves-Morris:1980:GQD

[GM80b] P. R. Graves-Morris. A generalised Q.D. algorithm. *Journal of Computational and Applied Mathematics*, 6(3):247–249, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778

(electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900327.

Graves-Morris:1981:CRS

[GM81] P. R. Graves-Morris. The convergence of ray sequences of Padé approximants of Stieltjes functions. *Journal of Computational and Applied Mathematics*, 7(3):191–201, September 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900188.

Graves-Morris:1984:SFR

[GM84] P. R. Graves-Morris. Symmetrical formulas for rational interpolants. *Journal of Computational and Applied Mathematics*, 10(1):107–111, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900748.

Gasca:1989:CRI

[GMM89] M. Gasca, J. J. Martínez, and G. Mühlbach. Computation of rational interpolants with prescribed poles. *Journal of Computational and Applied Mathematics*, 26(3):297–309, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903026.

Graves-Morris:1988:RCT

[GMS88] P. R. Graves-Morris and E. B. Saff. Row convergence theorems for generalised inverse vector-valued Padé approximants. *Journal of Computational and Applied Mathematics*, 23(1):63–85, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903317.

Gill:1988:RDC

[GMSW88] Philip E. Gill, Walter Murray, Michael A. Saunders, and Margaret H. Wright. Recent developments in constrained optimization. *Journal of Computational and Applied Mathematics*, 22(2–3):257–270, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904050.

Gautschi:1989:GKQ

[GN89] Walter Gautschi and Sotorios E. Notaris. Gauss–Kronrod quadrature formulae for weight functions of Bernstein–Szegő type. *Journal of Computational and Applied Mathematics*, 25 (2):199–224, February 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/

science/article/pii/0377042789900472. See erratum [Ano89k].

Golbabai:1986:FAA

[Gol86] A. Golbabai. Finite amplitude axisymmetric convection between rigid rotating planes. *Journal of Computational and Applied Mathematics*, 16(3):355–369, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900063.

Goossenaerts:1988:BRF

[Goo88a] Jan Goossenaerts. Book review: *Foundations and applications of Montague grammar; part 1: philosophy, framework, computer science*: T. M. V. Janssen, CWI Tract 19, Centre for Mathematics and Computer Science, Amsterdam, The Netherlands, 1986, 205 pp., Price: Dfl. 31.30, ISBN: 90-6196-292-7. *Journal of Computational and Applied Mathematics*, 24(3):N3–N4, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903081.

Goossenaerts:1988:BRE

[Goo88b] Jan Goossenaerts. Book review: *The ecology of computation*: B. A. Huberman (ed.) Studies in Computer Science and Artificial Intelligence 2, North-Holland, Amsterdam, New York, Oxford, Tokyo, 1988, 342 pp., Price: US $84.25 / Dfl. 160.00, ISBN: 0-444-70375-6. *Journal of Computational and Applied Mathematics*, 24(3):N4–N5, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903093.

Graney:1981:NSN

[GR81] L. Graney and A. A. Richardson. The numerical solution of non-linear partial differential equations by the method of lines. *Journal of Computational and Applied Mathematics*, 7(4):229–236, December 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900504.

Greydanus:1983:NSR

[GR83] J. Greydanus and H. Rasmussen. Numerical solution of a Rayleigh–Taylor instability problem. *Journal of Computational and Applied Mathematics*, 9(2):97–103, June 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278390033X.

Greydanus:1989:SGS

[GR89a] J. Greydanus and H. Rasmussen. On the solution of a generalized Stefan problem. *Journal of Computational and Applied Mathematics*, 25(1):47–60, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900745`.

Griewank:1989:CCS

[GR89b] Andreas Griewank and George W. Reddien. Computation of cusp singularities for operator equations and their discretizations. *Journal of Computational and Applied Mathematics*, 26(1–2):133–153, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789901520`.

Gragg:1986:AUH

[Gra86] William B. Gragg. The QR algorithm for unitary Hessenberg matrices. *Journal of Computational and Applied Mathematics*, 16(1):1–8, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278690169X`.

Greenspan:1981:NCAa

[Gre81a] Donald Greenspan. A new computer approach to the modeling of atoms, ions and molecules: Part I — hydrogen. *Journal of Computational and Applied Mathematics*, 7(1):41–49, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900073`.

Greenspan:1981:NCAb

[Gre81b] Donald Greenspan. A new computer approach to the modelling of atoms and molecules. Part II. The oxygen molecule O_2. *Journal of Computational and Applied Mathematics*, 7(2):129–133, June 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900462`.

Greenspan:1986:EAM

[Gre86a] Donald Greenspan. An elementary algebraic method for approximating average radii of first and second ring electrons. *Journal of Computational and Applied Mathematics*, 16(1):117–134, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.`

com/science/article/pii/0377042786901780.

Greenspan:1986:MCE

[Gre86b] Donald Greenspan. A mathematical curiosity in estimating the radius of the first ring electrons of an arbitrary atom. *Journal of Computational and Applied Mathematics*, 15(1):103–108, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902426.

Greenspan:1987:ANS

[Gre87] Donald Greenspan. Analytical and numerical studies in deterministic modeling of the states of ions and atoms. *Journal of Computational and Applied Mathematics*, 19(2):207–222, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901907.

Gribble:1982:IPQ

[Gri82] J. D. Gribble. Inner product quadrature formulas exact on maximal product spaces of functions. *Journal of Computational and Applied Mathematics*, 8(2):73–79, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900584.

Grosjean:1984:FCC

[Gro84a] C. C. Grosjean. Formulae concerning the computation of the Clausen integral $\mathrm{Cl}_2(\Theta)$. *Journal of Computational and Applied Mathematics*, 11(3):331–342, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900086.

Grosjean:1984:OPL

[Gro84b] C. C. Grosjean. The orthogonality property of the Lommel polynomials and a twofold infinity of relations between Rayleigh's σ-sums. *Journal of Computational and Applied Mathematics*, 10(3):355–382, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278490044X.

Grosjean:1985:TRG

[Gro85] C. C. Grosjean. Theory of recursive generation of systems of orthogonal polynomials: an illustrative example. *Journal of Computational and Applied Mathematics*, 12–13(??):299–318, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/0377042785900263.

Grosjean:1986:WFG

[Gro86] C. C. Grosjean. The weight functions, generating functions and miscellaneous properties of the sequences of orthogonal polynomials of the second kind associated with the Jacobi and the Gegenbauer polynomials. *Journal of Computational and Applied Mathematics*, 16(3):259–307, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900014.

Grosjean:1988:GFC

[Gro88] C. C. Grosjean. A general formula for the calculation of Gaussian path-integrals in two and three Euclidean dimensions. *Journal of Computational and Applied Mathematics*, 23(2):199–234, August 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902816.

Garloff:1980:BIM

[GS80] Jürgen Garloff and Klaus-Peter Schwierz. A bibliography on interval mathematics. *Journal of Computational and Applied Mathematics*, 6(1):67–79, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900194.

Gutknecht:1986:MTT

[GS86] Martin H. Gutknecht and Edward B. Saff. A de montessus-type theorem for CF approximation. *Journal of Computational and Applied Mathematics*, 16(2):251–254, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900993.

Gladwell:1987:ASI

[GSB87] I. Gladwell, L. F. Shampine, and R. W. Brankin. Automatic selection of the initial step size for an ODE solver. *Journal of Computational and Applied Mathematics*, 18(2):175–192, May 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278790015X.

Gutknecht:1986:ECF

[Gut86a] Martin H. Gutknecht. The evaluation of the conjugate function of a periodic spline on a uniform mesh. *Journal of Computational and Applied Mathematics*, 16(2):181–201, Octo-

ber 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900919.

Gutknecht:1986:NCM

[Gut86b] Martin H. Gutknecht. Numerical conformal mapping methods based on function conjugation. *Journal of Computational and Applied Mathematics*, 14(1–2):31–77, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901305.

Gonzalez-Vera:1987:CAT

[GV87] Pablo González-Vera. On certain applications of two-point Padé type approximants with a single pole. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):151–160, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278790183X.

Galperin:1981:SIP

[GW81] A. Galperin and Z. Waksman. A separable integer programming problem equivalent to its continual version. *Journal of Computational and Applied Mathematics*, 7(3):173–179, September 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900152.

Goovaerts:1987:P

[GW87] M. Goovaerts and L. Wuytack. Preface. *Journal of Computational and Applied Mathematics*, 20(??):1, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278790121X.

Gwinner:1981:BND

[Gwi81] Joachim Gwinner. Bibliography on non-differentiable optimization and non-smooth analysis. *Journal of Computational and Applied Mathematics*, 7(4):277–285, December 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900565.

Hadjidimos:1985:OIM

[Had85] A. Hadjidimos. Optimum iterative methods for the solution of singular linear systems arising from the discretization of elliptic P.D.E.'s. *Journal of Computational and Applied Mathematics*, 12–13(??):319–329, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-

1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900275.

Hadjidimos:1987:SIM

[Had87] A. Hadjidimos. A survey of the iterative methods for the solution of linear systems by extrapolation, relaxation and other techniques. *Journal of Computational and Applied Mathematics*, 20(??):37–51, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901245.

Hadjidimos:1988:P

[Had88] Apostolos Hadjidimos. Preface. *Journal of Computational and Applied Mathematics*, 24(1–2):1–2, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903391.

Hake:1987:NSP

[Hak87] J.-Fr. Hake. The numerical solution of PDE problems with standard software packages. *Journal of Computational and Applied Mathematics*, 20(??):257–265, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901427.

Haken:1988:SC

[Hak88] H. Haken. Synergetics and computers. *Journal of Computational and Applied Mathematics*, 22(2–3):197–202, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903998.

Hallett:1982:ATS

[Hal82] A. J. Hughes Hallett. Alternative techniques for solving systems of nonlinear equations. *Journal of Computational and Applied Mathematics*, 8(1):35–48, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900055.

Hallett:1984:SOI

[Hal84] A. J. Hughes Hallett. Second-order iterations with guaranteed convergence. *Journal of Computational and Applied Mathematics*, 10(3):285–291, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900402.

Hamacher:1982:OCR

[Ham82] Horst Hamacher. Optimal cocircuits in regular matroids and applications. *Journal of Computational and Applied Mathematics*, 8(3):171–177, September 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900390`. See erratum [Ano82].

Hansen:1987:DNS

[Han87] Per Christian Hansen. Detection of near-singularity in Cholesky and LDL^T factorizations. *Journal of Computational and Applied Mathematics*, 19(3):293–299, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901993`.

Hansen:1988:NRM

[Han88] Per Christian Hansen. The 2-norm of random matrices. *Journal of Computational and Applied Mathematics*, 23(1):117–120, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903366`.

Hansen:1985:SAL

[HC85] Per Christian Hansen and Søren Christiansen. An SVD analysis of linear algebraic equations derived from first kind integral equations. *Journal of Computational and Applied Mathematics*, 12–13(??):341–357, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900299`.

Hebsaker:1982:CCR

[Heb82] H.-M. Hebsaker. Conditions for the coefficients of Runge–Kutta methods for systems of n-th order differential equations. *Journal of Computational and Applied Mathematics*, 8(1):3–14, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900018`.

Hellemans:1982:NSC

[Hel82] P. Hellemans. A numerical solution of the Cauchy problem based on trigonometric interpolation. *Journal of Computational and Applied Mathematics*, 8(4):305–306, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.`

com/science/article/pii/0771050X82900560.

Hemker:1982:NDC

[Hem82] P. W. Hemker. A note on defect correction processes with an approximate inverse of deficient rank. *Journal of Computational and Applied Mathematics*, 8(2):137–139, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900705.

Henrici:1982:PEE

[Hen82] Peter Henrici. Pointwise error estimates for trigonometric interpolation and conjugation. *Journal of Computational and Applied Mathematics*, 8(2):131–132, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900675.

Hendriksen:1987:SHM

[Hen87] E. Hendriksen. The strong Hamburger moment problem and self-adjoint operators in Hilbert space. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):79–88, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901750.

Hermann:1983:NTP

[Her83] Martin Hermann. The numerical treatment of perturbed bifurcation problems in ordinary differential equations. *Journal of Computational and Applied Mathematics*, 9(1):71–80, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900298.

Honig:1984:MNI

[HH84] G. Honig and U. Hirdes. A method for the numerical inversion of Laplace transforms. *Journal of Computational and Applied Mathematics*, 10(1):113–132, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278490075X.

Hake:1989:LAS

[HH89] J.-Fr. Hake and W. Homberg. Linear algebra software on IBM and CRAY computers. *Journal of Computational and Applied Mathematics*, 26(3):311–325, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/0377042789903038.

Huang:1986:GNM

[HKD86] Chung-Yuan Huang, Stephen R. Kennon, and George S. Dulikravich. Generalized nonlinear minimal residual (GNLMR) method for iterative algorithms. *Journal of Computational and Applied Mathematics*, 16 (2):215–232, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900932.

Hairer:1988:FNS

[HLS88] E. Hairer, Ch. Lubich, and M. Schlichte. Fast numerical solution of weakly singular Volterra integral equations. *Journal of Computational and Applied Mathematics*, 23(1):87–98, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903329.

Hatzopoulos:1985:ASL

[HM85] M. Hatzopoulos and N. M. Missirlis. Advantages for solving linear systems in an asynchronous environment. *Journal of Computational and Applied Mathematics*, 12–13(??):331–340, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900287.

Hoppe:1989:MGC

[HM89] Ronald H. W. Hoppe and Hans D. Mittelmann. A multigrid continuation strategy for parameter-dependent variational inequalities. *Journal of Computational and Applied Mathematics*, 26(1–2):35–46, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789901465.

Hartmann:1986:UAN

[HO86] M. Hartmann and G. Opfer. Uniform approximation as a numerical tool for constructing conformal maps. *Journal of Computational and Applied Mathematics*, 14(1–2):193–206, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278690138X.

Harrar:1988:OSS

[HO88] D. L. Harrar II and J. M. Ortega. Optimum m-step SSOR preconditioning. *Journal of Computational and Applied Mathematics*, 24(1–2):195–198, November 1988. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903524.

Hoffmann:1987:SLS

[Hof87] W. Hoffmann. Solving linear systems on a vector computer. *Journal of Computational and Applied Mathematics*, 18(3):353–367, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900082.

Hoffmann:1989:ESN

[Hof89] W. Hoffmann. An estimate for the spectral norm of the inverse of a matrix with the Gauss–Jordan algorithm. *Journal of Computational and Applied Mathematics*, 27(3):421–428, November 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900277.

Hoidn:1986:RMD

[Hoi86] Hans-Peter Hoidn. A reparameterisation method to determine conformal maps. *Journal of Computational and Applied Mathematics*, 14(1–2):155–161, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901366.

Hopkins:1982:SCP

[Hop82] T. R. Hopkins. On the sensitivity of the coefficients of Padé approximants with respect to their defining power series coefficients. *Journal of Computational and Applied Mathematics*, 8(2):105–109, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900638.

Hough:1985:JPS

[Hou85] D. M. Hough. Jacobi polynomial solutions of first kind integral equations for numerical conformal mapping. *Journal of Computational and Applied Mathematics*, 12–13(??):359–369, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900305.

Howes:1984:ATF

[How84] F. A. Howes. An analytical treatment of the formation of one-dimensional steady shock waves in uniform and diverging ducts. *Journal of Computational and Applied Mathematics*, 10(2):195–201, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-

1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900578.

Hosny:1982:ACT

[HS82] E. A. Hosny and M. I. Sobhy. An algorithm for the calculation of transfer functions of two variable systems or networks. *Journal of Computational and Applied Mathematics*, 8(3):159–164, September 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900377.

Herbst:1983:EPM

[HSM83] B. M. Herbst, S. W. Schoombie, and A. R. Mitchell. Equidistributing principles in moving finite element methods. *Journal of Computational and Applied Mathematics*, 9(4):377–389, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900092.

Hasegawa:1987:IIO

[HT87] Takemitsu Hasegawa and Tatsuo Torii. Indefinite integration of oscillatory functions by the Chebyshev series expansion. *Journal of Computational and Applied Mathematics*, 17(1–2):21–29, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900355.

Hubner:1986:NMS

[Hüb86a] O. Hübner. The Newton method for solving the Theodorsen integral equation. *Journal of Computational and Applied Mathematics*, 14(1–2):19–30, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901299.

Hubner:1986:FSL

[Hüb86b] O. Hübner. On the fast solution of a linear system arising in numerical conformal mapping. *Journal of Computational and Applied Mathematics*, 16(3):381–386, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900087.

Hundsdorfer:1987:NMR

[Hun87] W. H. Hundsdorfer. A note on monotonicity of a Rosenbrock method. *Journal of Computational and Applied Mathematics*, 20(??):267–273, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/0377042787901439.

Hunt:1988:SLM

[Hun88] Roland Hunt. Single-level multigrid. *Journal of Computational and Applied Mathematics*, 23(2):133–139, August 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902750.

Igarashi:1985:PSR

[Iga85] Masao Igarashi. Practical stopping rule for finding roots of nonlinear equations. *Journal of Computational and Applied Mathematics*, 12–13(??):371–380, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900317.

Iri:1987:CQF

[IMT87] Masao Iri, Sigeiti Moriguti, and Yoshimitsu Takasawa. On a certain quadrature formula. *Journal of Computational and Applied Mathematics*, 17(1–2):3–20, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900343.

Iserles:1987:BOZ

[IN87] A. Iserles and S. P. Nørsett. Bi-orthogonality and zeros of transformed polynomials. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):39–45, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901695.

Ioakimidis:1981:OMA

[Ioa81] N. I. Ioakimidis. One more approach to the computation of Cauchy principal value integrals. *Journal of Computational and Applied Mathematics*, 7(4):289–291, December 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900589.

Ioakimidis:1982:QMN

[Ioa82] N. I. Ioakimidis. On the quadrature methods for the numerical solution of singular integral equations. *Journal of Computational and Applied Mathematics*, 8(2):81–86, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900596.

Ioakimidis:1984:RAI

[Ioa84] N. I. Ioakimidis. A remark on the application of interpolatory quadrature rules to the numerical solution of singular integral equations. *Journal of Computational and Applied Mathematics*, 11(3):267–276, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900013.

Ioakimidis:1986:DPS

[Ioa86a] N. I. Ioakimidis. Determination of poles of sectionally meromorphic functions. *Journal of Computational and Applied Mathematics*, 15(3):323–327, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902232.

Ioakimidis:1986:NIC

[Ioa86b] N. I. Ioakimidis. A new interpretation of Cauchy type singular integrals with an application to singular integral equations. *Journal of Computational and Applied Mathematics*, 14(3):271–278, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900658.

Ioakimidis:1988:SAM

[Ioa88] N. I. Ioakimidis. The successive approximations method for the airfoil equation. *Journal of Computational and Applied Mathematics*, 21(2):231–238, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902713.

Ioakimidis:1989:LBC

[Ioa89] N. I. Ioakimidis. Location of boundary contours and discontinuity arcs, of known shape and conditions, of analytic functions by using contour integrals. *Journal of Computational and Applied Mathematics*, 25(3):315–326, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900356.

Ikeuchi:1985:BES

[IS85] Masatoshi Ikeuchi and Michio Sakakihara. Boundary elements in steady convective diffusion problems. *Journal of Computational and Applied Mathematics*, 12–13(??):381–389, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http:

//www.sciencedirect.com/science/article/pii/0377042785900329.

Iserles:1987:BOR

[IS87] A. Iserles and E. B. Saff. Bi-orthogonality in rational approximation. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):47–54, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901701.

Ifantis:1988:BFP

[IS88] E. K. Ifantis and P. D. Siafarikas. Bounds for the first positive zero of a mixed Bessel function. *Journal of Computational and Applied Mathematics*, 21(2):245–249, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902737.

Ifantis:1987:UBF

[ISK87] E. K. Ifantis, P. D. Siafarikas, and C. B. Kouris. Upper bounds for the first zeros of Bessel functions. *Journal of Computational and Applied Mathematics*, 17(3):355–358, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901117.

Iri:1988:ACP

[ITH88] Masao Iri, Takashi Tsuchiya, and Mamoru Hoshi. Automatic computation of partial derivatives and rounding error estimates with applications to large-scale systems of nonlinear equations. *Journal of Computational and Applied Mathematics*, 24(3):365–392, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902981.

Jablonski:1980:MCA

[Jab80] Aleksander Jablonski. A Monte Carlo algorithm for solving systems of non-linear equations. *Journal of Computational and Applied Mathematics*, 6(3):171–175, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900224.

Jacobsen:1987:GCC

[Jac87] Lisa Jacobsen. General correspondence for continued fractions. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):171–177, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/0377042787901853.

Jacobsen:1988:RDC

[Jac88] Lisa Jacobsen. Remarks to a definition of convergence acceleration illustrated by means of continued fractions $K(a_n 1)$ where $a_n \to 0$. *Journal of Computational and Applied Mathematics*, 21(1):101–110, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903913.

Jain:1988:SOS

[Jai88] R. K. Jain. Sixth-order superstable two-step methods for second-order initial-value problems. *Journal of Computational and Applied Mathematics*, 24(3):393–397, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902993.

Janssen:1987:RCS

[Jan87] H. L. Janssen. Recursive construction of a sequence of solutions to homogeneous linear partial differential equations with constant coefficients. *Journal of Computational and Applied Mathematics*, 20(??):275–287, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901440.

Jeltsch:1985:SAD

[Jel85] Rolf Jeltsch. Stability and accuracy of difference schemes for hyperbolic problems. *Journal of Computational and Applied Mathematics*, 12–13(??):91–108, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900093.

Jeltsch:1986:POB

[Jel86] Rolf Jeltsch. A proof of the order barrier for upwind schemes by Dahlquist's second barrier. *Journal of Computational and Applied Mathematics*, 15(2):257–259, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900324.

Jain:1988:SSS

[JG88] R. K. Jain and Rakesh Goel. Superstable single-step methods for second-order initial-value problems. *Journal of Computational and Applied Mathematics*, 23(1):121–125, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042788903378.

Jodar:1989:ASC

[JH89] Lucas Jódar and Antonio Hervás. An algorithm for solving coupled differential matrix systems: approximations, convergence and upper error bounds. *Journal of Computational and Applied Mathematics*, 25(3):351–362, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900381.

Jain:1983:HOO

[JKG83] R. K. Jain, N. S. Kambo, and Rakesh Goel. High-order one-step P-stable methods for the numerical integration of periodic initial value problems. *Journal of Computational and Applied Mathematics*, 9(4):361–367, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900079.

Jones:1980:CPT

[JM80] William B. Jones and Arne Magnus. Computation of poles of two-point Padé approximants and their limits. *Journal of Computational and Applied Mathematics*, 6(2):105–119, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900042.

Jones:1983:TPP

[JNT83] William B. Jones, Olav Njåstad, and W. J. Thron. Two-point Padé expansions for a family of analytic functions. *Journal of Computational and Applied Mathematics*, 9(2):105–123, June 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900341.

Joe:1985:CMU

[Joe85] S. Joe. Collocation methods using piecewise polynomials for second kind integral equations. *Journal of Computational and Applied Mathematics*, 12–13(??):391–400, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900330.

Joe:1989:GLP

[Joe89] S. Joe. The generation of lattice points for numerical multiple integration. *Journal of Computational and Applied Mathematics*, 26(3):327–331, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-

1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278990304X.

Jones:1985:CIG

[JT85] William B. Jones and W. J. Thron. On the computation of incomplete gamma functions in the complex domain. *Journal of Computational and Applied Mathematics*, 12–13(??):401–417, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900342.

Janssen:1989:OSI

[JV89] H. Janssen and R. Van Dooren. A one-step integration routine for normal differential systems, based on Gauss–Legendre quadrature. *Journal of Computational and Applied Mathematics*, 28(??):207–217, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903336.

Jacobsen:1986:EOP

[JW86] Lisa Jacobsen and Haakon Waadeland. Even and odd parts of limit periodic continued fractions. *Journal of Computational and Applied Mathematics*, 15(2):225–233, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900294.

Jacobsen:1989:WDR

[JW89] Lisa Jacobsen and Haakon Waadeland. When does $f(z)$ have a regular C-fraction expansion or a normal Padé table? *Journal of Computational and Applied Mathematics*, 28(??):199–206, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903324.

Jea:1988:EAC

[JY88] Kang C. Jea and David M. Young. On the effectiveness of adaptive Chebyshev acceleration for solving systems of linear equations. *Journal of Computational and Applied Mathematics*, 24(1–2):33–54, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903421.

Kaasschieter:1988:PCG

[Kaa88] E. F. Kaasschieter. Preconditioned conjugate gradients for solving singular systems. *Journal of Computational and Applied Mathematics*, 24(1–2):265–275, Novem-

ber 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903585.

Kammler:1983:PAI

[Kam83] David W. Kammler. A perturbation analysis of the intrinsic conditioning of an approximate null vector computed with a SVD. *Journal of Computational and Applied Mathematics*, 9(3):201–204, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900122.

Karageorghis:1988:NCCa

[Kar88a] Andreas Karageorghis. A note on the Chebyshev coefficients of the general order derivative of an infinitely differentiable function. *Journal of Computational and Applied Mathematics*, 21(1):129–132, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903962.

Karageorghis:1988:NCCb

[Kar88b] Andreas Karageorghis. A note on the Chebyshev coefficients of the moments of the general order derivative of an infinitely differentiable function. *Journal of Computational and Applied Mathematics*, 21(3):383–386, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903226.

Kulev:1988:SML

[KB88] G. K. Kulev and D. D. Bainov. Second method of Lyapunov and comparison principle for systems with impulse effect. *Journal of Computational and Applied Mathematics*, 23(3):305–321, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788900040.

Keast:1987:CFS

[Kea87] Patrick Keast. Cubature formulas for the surface of the sphere. *Journal of Computational and Applied Mathematics*, 17(1–2):151–172, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900446.

Kaas:1987:NMD

[KG87a] R. Kaas and M. J. Goovaerts. A new method for deriving bounds for integrals with respect to measures allowed to vary under conical and integral constraints.

Journal of Computational and Applied Mathematics, 20(??):289–297, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901452.

Kok:1987:GMT

[KG87b] Barbara Kok and Tunc Geveci. Galerkin methods for the time dependent incompressible elasticity equations. *Journal of Computational and Applied Mathematics*, 18(1):53–69, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900550.

Khouzam:1986:SSA

[Kho86] Fouad Khouzam. Stiffly stable Adams-type methods. *Journal of Computational and Applied Mathematics*, 16(3):319–331, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900038.

Kioustelidis:1986:BPR

[Kio86] John B. Kioustelidis. Bounds for positive roots of polynomials. *Journal of Computational and Applied Mathematics*, 16(2):241–244, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900968.

Kiper:1989:SRR

[Kip89] Ayse Kiper. Some recurrence relations and their parallel evaluation using nested recurrent product form algorithm. *Journal of Computational and Applied Mathematics*, 28(??):231–235, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278990335X.

Kiwiel:1986:ASM

[Kiw86] Krzysztof C. Kiwiel. An aggregate subgradient method for nonsmooth and nonconvex minimization. *Journal of Computational and Applied Mathematics*, 14(3):391–400, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900750.

Kuang:1988:SAT

[KJ88] Jiaoxun Kuang and Jun Ji. A survey of AOR and TOR methods. *Journal of Computational and Applied Mathematics*, 24(1–2):3–12, November 1988. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903408.

Kambo:1983:FOM

[KJG83] N. S. Kambo, R. K. Jain, and Rakesh Goel. A fourth order method for $y'' = f(x, y, y')$. *Journal of Computational and Applied Mathematics*, 9(1):81–90, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900304. See note [Ano84f].

Knopfmacher:1989:IPE

[KK89] Arnold Knopfmacher and John Knopfmacher. Inverse polynomial expansions of Laurent series, II. *Journal of Computational and Applied Mathematics*, 28(??): 249–257, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903373.

Klempous:1989:LVA

[KKK89] Ryszard Klempous, Jerzy Kotowski, and Mieczyslaw Kuliszewski. The linearized version of an algorithm for the mixed norms problem. *Journal of Computational and Applied Mathematics*, 28(??):237–247, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903361.

Klempous:1988:SMW

[KKN+88] Ryszard Klempous, Jerzy Kotowski, Jan Nikodem, Marek Olesiak, and Jedrzej Ulasiewicz. Some models for water distribution systems. *Journal of Computational and Applied Mathematics*, 21(3):257–269, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903135.

Knopfmacher:1987:MCL

[KL87] Arnold Knopfmacher and D. S. Lubinsky. Mean convergence of Lagrange interpolation for Freud's weights with application to product integration rules. *Journal of Computational and Applied Mathematics*, 17(1–2):79–103, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900409.

Klein:1982:EED

[Kle82] A. Klein. An explicit expression for the discrete-time

fixed-lag smoothing equation. *Journal of Computational and Applied Mathematics*, 8(2):127–129, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900663`.

Klein:1987:FSN

[Kle87] Gerd H. Klein. Fitting simple non-tensor-product splines to scattered noisy data on Euclidean d-space. *Journal of Computational and Applied Mathematics*, 18(3):347–352, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900070`.

Klip:1987:AAS

[Kli87a] Dorothea A. Klip. An analytic approach to the solution of non-linear equations. *Journal of Computational and Applied Mathematics*, 20(??):299–306, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901464`.

Klip:1987:CZC

[Kli87b] Dorothea A. Klip. Completeness of zero curve tracing for analytic functions. *Journal of Computational and Applied Mathematics*, 19 (2):243–259, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901932`.

Klir:1988:FIC

[Kli88] George J. Klir. The future of information, computer, and systems sciences. *Journal of Computational and Applied Mathematics*, 22(2–3):183–195, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903986`.

Kraaijevanger:1987:SRS

[KLS87] J. F. B. M. Kraaijevanger, H. W. J. Lenferink, and M. N. Spijker. Stepsize restrictions for stability in the numerical solution of ordinary and partial differential equations. *Journal of Computational and Applied Mathematics*, 20(??):67–81, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901269`.

Kahaner:1989:URO

[KLT89] D. K. Kahaner, W. F. Lawkins, and S. Thompson. On the use of rootfinding

ODE software for the solution of a common problem in nonlinear dynamical systems. *Journal of Computational and Applied Mathematics*, 28(??):219–230, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903348`.

Krizek:1987:GSG

[KN87] M. Krízek and P. Neittaanmäki. On a global superconvergence of the gradient of linear triangular elements. *Journal of Computational and Applied Mathematics*, 18(2):221–233, May 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900185`.

Kohler:1989:ESB

[Köh89] Peter Köhler. Estimates for Sard's best formulas for linear functionals on $C^S[a, b]$. *Journal of Computational and Applied Mathematics*, 28(??):259–267, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903385`.

Kolbig:1986:Ib

[Köl86a] K. S. Kölbig. On the integral $\int_0^\infty \chi^{v-1}(1 + \beta\chi)^{-\lambda} \ln^m \chi \, d\chi$. *Journal of Computational and Applied Mathematics*, 15 (2):267, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278690035X`.

Kolbig:1986:Ia

[Köl86b] K. S. Kölbig. On the integral $\int_0^\infty \chi^{v-1}(1 + \beta\chi)^{-\lambda} \ln^m \chi \, d\chi$. *Journal of Computational and Applied Mathematics*, 14(3):319–344, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900701`.

Kolbig:1987:I

[Köl87] K. S. Kölbig. On the integral $\int_0^1 x^{\nu-1}(1-x)^{-\lambda} \ln^m x \, dx$. *Journal of Computational and Applied Mathematics*, 18(3):369–394, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900094`.

Kostlan:1988:CTN

[Kos88] Eric Kostlan. Complexity theory of numerical linear algebra. *Journal of Computational and Applied Mathematics*, 22(2–3):219–230, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042788904025.

Kiessling:1982:NRJ

[KP82] I. Kiessling and A. Paulik. A norm-reducing Jacobi-like algorithm for the eigenvalues of non-normal matrices. *Journal of Computational and Applied Mathematics*, 8(3):203–207, September 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900420.

Kaas-Petersen:1989:BPI

[KP89] Christian Kaas-Petersen. Biperiodicity in an isothermal autocatalytic reaction–diffusion system. *Journal of Computational and Applied Mathematics*, 26(1–2):187–198, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789901556.

Konstantinov:1980:SLS

[KPC80] M. M. Konstantinov, P. Hr. Petkov, and N. D. Christov. Synthesis of linear systems with desired equivalent form. *Journal of Computational and Applied Mathematics*, 6(1):27–35, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900145.

Kadalbajoo:1986:CSS

[KR86] Mohan K. Kadalbajoo and K. Santhana Raman. Cubic spline solutions of boundary value problems over infinite intervals. *Journal of Computational and Applied Mathematics*, 15(3):283–291, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902190.

Kahaner:1987:TAR

[KR87] David K. Kahaner and Ottis W. Rechard. TWODQD an adaptive routine for two-dimensional integration. *Journal of Computational and Applied Mathematics*, 17(1–2):215–234, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900483.

Krishnaiah:1981:ILM

[Kri81] U. Anantha Krishnaiah. Inverse linear multistep methods for the numerical solution of initial value problems of second order differential equations. *Journal of Computational and Applied Mathematics*, 7(2):111–114, June 1981. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900437.

Krishnaiah:1982:AMP

[Kri82] U. Anantha Krishnaiah. Adaptive methods for periodic initial value problems of second order differential equations. *Journal of Computational and Applied Mathematics*, 8(2):101–104, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900626.

Kerzman:1986:NCM

[KT86] Norberto Kerzman and Manfred R. Trummer. Numerical conformal mapping via the Szegő kernel. *Journal of Computational and Applied Mathematics*, 14(1–2):111–123, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901330.

Kozek:1988:DMM

[KTS88] Andrzej S. Kozek and Anna Trzmielak-Stanislawska. On dependence of MR- and MM-algorithms upon the value of switching control variable CTR. *Journal of Computational and Applied Mathematics*, 23(1):109–115, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903354.

Kincaid:1988:BRI

[KY88] David R. Kincaid and David M. Young. A brief review of the ITPACK project. *Journal of Computational and Applied Mathematics*, 24(1–2):121–127, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903470.

Laforgia:1986:IBF

[Laf86] Andrea Laforgia. Inequalities for Bessel functions. *Journal of Computational and Applied Mathematics*, 15(1):75–81, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902396.

Lambert:1985:QMC

[Lam85] J. P. Lambert. Quasi-Monte Carlo, low discrepancy sequences, and ergodic transformations. *Journal of Computational and Applied Mathematics*, 12–13(??):419–423, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/0377042785900354.

Laurie:1985:PEE

[Lau85] Dirk P. Laurie. Practical error estimation in numerical integration. *Journal of Computational and Applied Mathematics*, 12–13(??):425–431, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900366.

Laurie:1987:P

[Lau87] D. P. Laurie. Preface. *Journal of Computational and Applied Mathematics*, 18(1):1, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900513.

Lavery:1984:LCM

[Lav84] John E. Lavery. Local convergence of the method of pseudolinear equations for quasilinear elliptic boundary-value problems. *Journal of Computational and Applied Mathematics*, 11(1):69–82, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900335.

Levrie:1988:NTC

[LB88] Paul Levrie and Adhemar Bultheel. A note on two convergence acceleration methods for ordinary continued fractions. *Journal of Computational and Applied Mathematics*, 24(3):403–409, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903019.

Lee:1986:SBC

[LD86] Young Jack Lee and Edward J. Dudewicz. On selecting the best contender. *Journal of Computational and Applied Mathematics*, 16 (2):135–143, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900877.

Lyness:1987:QEE

[LD87] J. N. Lyness and Elise De Doncker-Kapenga. On quadrature error expansions. Part I. *Journal of Computational and Applied Mathematics*, 17(1–2):131–149, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900434.

Liu:1987:SRK

[LDS87] M. Z. Liu, K. Dekker, and M. N. Spijker. Suitability of Runge–Kutta methods. *Journal of Computational and Applied Mathematics*, 20(??):307–315, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901476.

Lecot:1989:LDS

[Léc89] Christian Lécot. Low discrepancy sequences for solving the Boltzmann equation. *Journal of Computational and Applied Mathematics*, 25(2):237–249, February 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900496.

Lee:1986:NBB

[Lee86] D. Lee. A note on bivariate box splines on a k-direction mesh. *Journal of Computational and Applied Mathematics*, 15(1):117–122, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278690244X.

Lembarki:1987:ALP

[Lem87] A. Lembarki. Acceleration of limit periodic continued fractions by the T_{+M} transformation. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):109–116, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901786.

Lembarki:1989:KTC

[Lem89] A. Lembarki. On a khovanskii transformation for continued fractions. *Journal of Computational and Applied Mathematics*, 25(2):125–131, February 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900435.

Lether:1981:SOG

[Let81] Frank G. Lether. Some observations on Gauss–Legendre quadrature error estimates for analytic functions. *Journal of Computational and Applied Mathematics*, 7(1): 63–66, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900097.

Lether:1987:QRA

[Let87] F. G. Lether. Quadrature rules for approximating

semi-integrals and semiderivatives. *Journal of Computational and Applied Mathematics*, 17(1–2):115–129, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900422`.

Levrie:1986:PTG

[Lev86] Paul Levrie. Pringsheim's theorem for generalized continued fractions. *Journal of Computational and Applied Mathematics*, 14(3):439–445, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900774`.

Levrie:1988:BRF

[Lev88] P. Levrie. Book review: *On functions and functional equations*: J. Smíal, Adam Hilger, Bristol and Philadelphia 1988, 155 pp., Price: UK 12.50 Pounds, ISBN 0-85274-418-8. *Journal of Computational and Applied Mathematics*, 24(3):N5, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278890310X`.

Levrie:1989:PTR

[Lev89] Paul Levrie. Pringsheim's theorem revisited. *Journal of Computational and Applied Mathematics*, 25(1):93–104, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900782`.

Lin:1986:HOT

[Lin86] Avi Lin. High-order three-point schemes for boundary value problems. II: nonlinear problems. *Journal of Computational and Applied Mathematics*, 15(3):269–282, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786902189`.

Liniger:1989:QDF

[Lin89] Werner Liniger. A quasi-direct fast Poisson solver for general regions. *Journal of Computational and Applied Mathematics*, 28(??):25–47, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903191`.

Lipitakis:1981:NAS

[Lip81] Elias A. Lipitakis. A normalized algorithm for the solution of sparse symmetric seven-diagonal linear systems of semi-bandwidths M and P. *Journal of Computational and Applied Math-*

ematics, 7(1):77–84, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900115`.

Lipitakis:1983:DAA

[Lip83a] Elias A. Lipitakis. Direct and approximate algorithmic methods for solving self-adjoint elliptic PDEs in three-space dimensions. *Journal of Computational and Applied Mathematics*, 9(2):167–176, June 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900390`.

Lipitakis:1983:NSL

[Lip83b] Elias A. Lipitakis. A normalized sparse linear equations solver. *Journal of Computational and Applied Mathematics*, 9(3):287–298, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900213`.

Lipitakis:1984:USD

[Lip84] Elias A. Lipitakis. The use of second degree normalized implicit conjugate gradient methods for solving large sparse systems of linear equations. *Journal of Computational and Applied Mathematics*, 11(1):39–48, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278490030X`.

Lazer:1982:MSF

[LLM82] Alan C. Lazer, Anthony W. Leung, and Diego A. Murio. Monotone scheme for finite difference equations concerning steady-state prey-predator interactions. *Journal of Computational and Applied Mathematics*, 8(4):243–252, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X8290047X`.

Lal:1982:PSA

[LM82] M. Lal and D. Moffatt. Picard's successive approximation for non-linear two-point boundary-value problems. *Journal of Computational and Applied Mathematics*, 8(4):233–236, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900456`.

Loi:1984:AQA

[LM84] S. L. Loi and A. W. McInnes. An algorithm for the quadratic approximation. *Journal of Compu-*

tational and Applied Mathematics, 11(2):161–174, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900189`.

Lambert:1986:SDP

[LM86a] F. Lambert and M. Musette. Solitons from a direct point of view: padeons. *Journal of Computational and Applied Mathematics*, 15(2):235–249, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900300`.

Leung:1986:AMS

[LM86b] Anthony W. Leung and Diego A. Murio. Accelerated monotone scheme for finite difference equations concerning steady-state prey-predator interactions. *Journal of Computational and Applied Mathematics*, 16(3): 333–341, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278690004X`.

Longman:1984:SAF

[Lon84] I. M. Longman. Some aspects of the finite moment problem. *Journal of Computational and Applied Mathematics*, 10(2):141–146, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900505`.

Longman:1985:SPS

[Lon85] I. M. Longman. The summation of power series and Fourier series. *Journal of Computational and Applied Mathematics*, 12–13(??):447–457, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278590038X`.

Langer:1986:CFU

[LQ86] U. Langer and W. Queck. On the convergence factor of Uzawa's algorithm. *Journal of Computational and Applied Mathematics*, 15(2):191–202, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900269`.

Li:1989:NRL

[LR89] Peiqing Li and A. G. Ramm. Numerical recovery of the layered medium from the surface data. *Journal of Computational and Applied Mathematics*, 25(3):267–276, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042789900319.

Laforgia:1988:MRI

[LS88] Andrea Laforgia and Silvana Sismondi. Monotonicity results and inequalities for the gamma and error functions. *Journal of Computational and Applied Mathematics*, 23(1):25–33, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903287.

Lindtner:1989:GOP

[LST89] E. Lindtner, A. Steindl, and H. Troger. Generic one-parameter bifurcations in the motion of a simple robot. *Journal of Computational and Applied Mathematics*, 26(1–2):199–218, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789901568.

Luke:1980:CCP

[Luk80] Yudell L. Luke. Computations of coefficients in the polynomials of Padé approximations by solving systems of linear equations. *Journal of Computational and Applied Mathematics*, 6(3):213–218, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900285.

Luke:1982:NEC

[Luk82] Yudell L. Luke. A note on evaluation of coefficients in the polynomials of Padé approximants by solving systems of linear equations. *Journal of Computational and Applied Mathematics*, 8(2):93–99, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900614.

Lu:1988:VTM

[LW88] Lin Chao Lu and Yan Wang. A variable transformation method for solving linear absolute-value objective-function problems with linear constraints. *Journal of Computational and Applied Mathematics*, 21(1):111–113, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903925.

Lee:1989:SPS

[LY89] Jenn Hua Lee and Shi Nine Yang. Shape preserving and shape control with interpolating Bézier curves. *Journal of Computational and Applied Mathematics*, 28(??):269–280, December

1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903397.

Lyness:1985:ISI

[Lyn85] J. N. Lyness. Integrating some infinite oscillating tails. *Journal of Computational and Applied Mathematics*, 12–13(??):109–117, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278590010X.

Maas:1984:LBI

[Maa84] Christoph Maas. A lower bound for the interval number of a graph. *Journal of Computational and Applied Mathematics*, 10(1):65–69, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900700.

Maas:1985:CIA

[Maa85] Christoph Maas. Computing and interpreting the adjacency spectrum of traffic networks. *Journal of Computational and Applied Mathematics*, 12–13(??):459–466, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900391.

Macleod:1982:CAP

[Mac82] Allan J. Macleod. A comparison of algorithms for polynomial interpolation. *Journal of Computational and Applied Mathematics*, 8(4):275–277, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900511. See comments [McN86b].

Maess:1988:PMS

[Mae88] Gerhard Maess. Projection methods solving rectangular systems of linear equations. *Journal of Computational and Applied Mathematics*, 24(1–2):107–119, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903469.

Magnus:1987:TMT

[Mag87] Alphonse P. Magnus. Toeplitz matrix techniques and convergence of complex weight Padé approximants. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):23–38, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042787901683.

Mampaey:1989:NTI

[Mam89] F. Mampaey. A numerical technique to increase the stability of the ADI method in solidification simulation. *Journal of Computational and Applied Mathematics*, 28(??):297–308, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903415.

Manicke:1984:USS

[Man84a] Robert L. Manicke. Unique solutions of systems of second-order nonlinear two-point boundary-value problems. *Journal of Computational and Applied Mathematics*, 10(2):175–178, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900554.

Manoranjan:1984:BSRb

[Man84b] V. S. Manoranjan. Bifurcation studies in reaction–diffusion II. *Journal of Computational and Applied Mathematics*, 11(3):307–314, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900050.

Martinez:1986:SSN

[Mar86] JoséMário Martinez. Solving systems of nonlinear equations by means of an accelerated successive orthogonal projections method. *Journal of Computational and Applied Mathematics*, 16(2):169–179, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900907.

Martins:1988:ECR

[Mar88] M. Madalena Martins. Extended convergence regions for the AOR method. *Journal of Computational and Applied Mathematics*, 24(3):327–336, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902944.

Mastin:1987:IFD

[Mas87] C. Wayne Mastin. Implicit finite difference methods on composite grids. *Journal of Computational and Applied Mathematics*, 20(??):317–323, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901488.

Mayo:1986:RMC

[May86] Anita Mayo. Rapid methods for the conformal mapping of multiply connected regions. *Journal of Computational and Applied Mathematics*, 14(1–2):143–153, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786901354`.

Magnus:1985:DDL

[MC85] Alphonse Magnus and Régis Chauvaux. On the discretisation of the double layer integral operator for surfaces of revolution. *Journal of Computational and Applied Mathematics*, 12–13(??):467–473, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900408`.

McCabe:1981:PFA

[McC81a] J. H. McCabe. Perron fractions: an algorithm for computing the Padé table. *Journal of Computational and Applied Mathematics*, 7(4):271–275, December 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900553`.

McCabe:1981:TPP

[McC81b] J. H. McCabe. Two-point Padé approximants and the quotient difference algorithm. *Journal of Computational and Applied Mathematics*, 7(2):151–153, June 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900498`.

McCabe:1983:ASC

[McC83] J. H. McCabe. On an asymptotic series and corresponding continued fraction for a gamma function ratio. *Journal of Computational and Applied Mathematics*, 9(2):125–130, June 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900353`.

McNamee:1986:CSL

[McN86a] John Michael McNamee. Comparison of spline and Lagrangian interpolation. *Journal of Computational and Applied Mathematics*, 16 (2):237–240, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900956`.

McNamee:1986:SCP

[McN86b] John Michael McNamee. Some

comments on a paper by Macleod on Lagrangian interpolation. *Journal of Computational and Applied Mathematics*, 16(2):245–246, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278690097X`. See [Mac82].

McNamee:1988:CMT

[McN88] J. M. McNamee. A comparison of methods for terminating polynomial iterations. *Journal of Computational and Applied Mathematics*, 21(2):239–244, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788902725`.

Martinez:1986:PSK

[MD86] José Mário Martínez and Raimundo J. B. De Sampaio. Parallel and sequential Kaczmarz methods for solving underdetermined nonlinear equations. *Journal of Computational and Applied Mathematics*, 15(3):311–321, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786902220`.

Meinardus:1981:SPG

[Mei81] Günter Meinardus. On the sequence of the powers of a given matrix. *Journal of Computational and Applied Mathematics*, 7(3):225–226, September 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900206`. See comment [Ast82].

Meneguette:1987:NBI

[Men87] M. Meneguette. A note on bordered isoclinal matrices. *Journal of Computational and Applied Mathematics*, 17(3):375–377, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901154`.

Mettke:1983:CCH

[Met83] Holger Mettke. Convex cubic HERMITE-spline interpolation. *Journal of Computational and Applied Mathematics*, 9(3):205–211, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900134`.

Mettke:1984:CCH

[Met84] Holger Mettke. Convex cubic HERMITE-spline interpo-

lation. *Journal of Computational and Applied Mathematics*, 11(3):377–378, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900128`.

Mitchell:1980:UPG

[MG80] A. R. Mitchell and D. F. Griffiths. Upwinding by Petron–Galerkin methods in convection–diffusion problems. *Journal of Computational and Applied Mathematics*, 6(3):219–228, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X80900297`.

Marzulli:1989:EGD

[MG89] P. Marzulli and G. Gheri. Estimation of the global discretization error in shooting methods for linear boundary value problems. *Journal of Computational and Applied Mathematics*, 28(??): 309–314, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903427`.

Murty:1983:OCC

[MH83] B. S. N. Murty and Asghar Husain. Orthogonality correction in the conjugate-gradient method. *Journal of Computational and Applied Mathematics*, 9(4):299–304, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900018`.

Miekkala:1989:DIM

[Mie89] Ulla Miekkala. Dynamic iteration methods applied to linear DAE systems. *Journal of Computational and Applied Mathematics*, 25 (2):133–151, February 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900447`.

Milner:1989:EEL

[Mil89] Fabio A. Milner. L^∞-error estimates for linear elasticity problems. *Journal of Computational and Applied Mathematics*, 25(3):305–313, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900344`.

Mitsui:1987:MVU

[Mit87] Takemoto Mitsui. A modified version of Urabe's implicit single-step method. *Journal of Computational and Applied Mathematics*, 20(??):325–332, November 1987. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278790149X.

Miyakoda:1989:IMM

[Miy89] Tsuyako Miyakoda. Iterative methods for multiple zeros of a polynomial by clustering. *Journal of Computational and Applied Mathematics*, 28(??):315–326, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903439.

Miersemann:1989:CPN

[MM89] Erich Miersemann and Hans D. Mittelmann. Continuation for parametrized nonlinear variational inequalities. *Journal of Computational and Applied Mathematics*, 26(1–2):23–34, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789901453.

Manoranjan:1984:BSRa

[MMSY84] V. S. Manoranjan, A. R. Mitchell, B. D. Sleeman, and Kuo Pen Yu. Bifurcation studies in reaction–diffusion. *Journal of Computational and Applied Mathematics*, 11(1):27–38, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900293.

Moret:1987:ISI

[MO87] Igor Moret and Pierpaolo Omari. Iterative solution of integral equations by a quasi-Newton method. *Journal of Computational and Applied Mathematics*, 20(??):333–340, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901506.

Mori:1985:QFO

[Mor85] Masatake Mori. Quadrature formulas obtained by variable transformation and the DE-rule. *Journal of Computational and Applied Mathematics*, 12–13(??):119–130, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900111.

Mori:1987:P

[MP87] Masatake Mori and Robert Piessens. Preface. *Journal of Computational and Applied Mathematics*, 17(1–2):1, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http:

//www.sciencedirect.com/science/article/pii/0377042787900331.

Murio:1988:CMF

[MP88] Diego A. Murio and Jorge R. Paloschi. Combined mollification-future temperatures procedure for solution of inverse heat conduction problem. *Journal of Computational and Applied Mathematics*, 23(2):235–244, August 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902828.

Mettke:1982:QSI

[MPN82] Holger Mettke, Eckehard Pfeifer, and Edward Neuman. Quadratic spline interpolation with coinciding interpolation and spline grids. *Journal of Computational and Applied Mathematics*, 8(1):57–62, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900080.

Muhlbach:1987:LER

[MR87] G. Mühlbach and L. Reimers. Linear extrapolation by rational functions, exponentials and logarithmic functions. *Journal of Computational and Applied Mathematics*, 17(3):329–344, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901099.

Mittelmann:1989:P

[MR89] Hans D. Mittelmann and Dirk Roose. Preface. *Journal of Computational and Applied Mathematics*, 26(1–2):1–2, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278990143X.

Mahoney:1983:PFE

[MS83] J. F. Mahoney and B. D. Sivazlian. Partial fractions expansion: a review of computational methodology and efficiency. *Journal of Computational and Applied Mathematics*, 9(3):247–269, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900183.

Makinson:1986:ISM

[MS86] G. J. Makinson and A. A. Shah. An iterative solution method for solving sparse nonsymmetric linear systems. *Journal of Computational and Applied Mathematics*, 15(3):339–352, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042786902256.

Meier:1988:BCG

[MS88] Ulrike Meier and Ahmed Sameh. The behavior of conjugate gradient algorithms on a multivector processor with a hierarchical memory. *Journal of Computational and Applied Mathematics*, 24(1–2):13–32, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278890341X.

Mitchell:1989:NDS

[MS89] A. R. Mitchell and S. W. Schoombie. Nonlinear diffusion and stable period 2 solutions of a discrete reaction–diffusion model. *Journal of Computational and Applied Mathematics*, 25(3):363–372, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900393.

Morgan:1989:MRH

[MSW89] Alexander P. Morgan, Andrew Sommese, and Layne T. Watson. Mathematical reduction of a heart dipole model. *Journal of Computational and Applied Mathematics*, 27(3):407–410, November 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900253.

Mu:1989:GCS

[Mu89] Mu Mu. Global classical solutions to initial-boundary value problems for the potential vorticity equation. *Journal of Computational and Applied Mathematics*, 28(??):327–338, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903440.

Murio:1982:EBT

[Mur82] Diego A. Murio. On the estimation of the boundary temperature on a sphere from measurements at its center. *Journal of Computational and Applied Mathematics*, 8(2):111–119, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X8290064X.

Murray:1987:RBT

[Mur87] Daniel M. Murray. The relationship between terminal state constraints and penalties for the discrete-time LQP problem associated with the adjustment of accelerometer data. *Journal of Compu-*

tational and Applied Mathematics, 18(1):83–91, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900574.

Murio:1988:PSD

[Mur88] Diego A. Murio. Parameter selection by discrete mollification and the numerical solution of the inverse heat conduction problem. *Journal of Computational and Applied Mathematics*, 22(1):25–34, April 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902865.

Maeder:1987:SPM

[MW87] A. J. Maeder and S. A. Wynton. Some parallel methods for polynomial root-finding. *Journal of Computational and Applied Mathematics*, 18(1):71–81, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900562.

Meek:1989:UCS

[MW89] D. S. Meek and D. J. Walton. The use of Cornu spirals in drawing planar curves of controlled curvature. *Journal of Computational and Applied Mathematics*, 25(1):69–78, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900769.

Nagurney:1988:GDS

[NA88] Anna Nagurney and Jay Aronson. A general dynamic spatial price equilibrium model: formulation, solution, and computational results. *Journal of Computational and Applied Mathematics*, 22(2–3):339–357, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904128.

Nakao:1987:SGG

[Nak87] Mitsuhiro T. Nakao. Superconvergence of the gradient of Galerkin approximations for elliptic problems. *Journal of Computational and Applied Mathematics*, 20(??):341–348, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901518.

Natterer:1986:EEO

[Nat86] Frank Natterer. Efficient evaluation of oversampled func-

tions. *Journal of Computational and Applied Mathematics*, 14(3):303–309, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900683.

Nelson:1988:AMD

[Nel88] Paul Nelson. Adomian's method of decomposition: critical review and examples of failure. *Journal of Computational and Applied Mathematics*, 23(3):389–393, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788900088. See comments [Ado89].

Neuman:1981:MFT

[Neu81] Edward Neuman. Moments and Fourier transforms of B-splines. *Journal of Computational and Applied Mathematics*, 7(1):51–62, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900085.

Nevanlinna:1985:MVV

[Nev85] Olavi Nevanlinna. Matrix valued versions of a result of von Neumann with an application to time discretization. *Journal of Computational and Applied Mathematics*, 12–13(??):475–489, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278590041X.

Neta:1984:FMO

[NF84] B. Neta and C. H. Ford. Families of methods for ordinary differential equations based on trigonometric polynomials. *Journal of Computational and Applied Mathematics*, 10(1):33–38, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900669.

Niijima:1986:EAD

[Nii86] Koichi Niijima. An error analysis for a difference scheme of exponential type applied to a nonlinear singular perturbation problem without turning points. *Journal of Computational and Applied Mathematics*, 15(1):93–101, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902414.

Niki:1982:AIMb

[NIS82] Hiroshi Niki, Masatoshi Ikeuchi, and Hideo Sawami. On the accelerated iterative method

for estimating the optimum overrelaxation parameter. *Journal of Computational and Applied Mathematics*, 8(4):257–266, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900493.

Niznik:1980:NAT

[Niz80] Carol A. Niznik. A numerical analysis of two point boundary value problem algorithms. *Journal of Computational and Applied Mathematics*, 6(3):201–211, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900273.

Niznik:1984:MMV

[Niz84] Carol A. Niznik. Min-max vs. max-min flow control algorithms for optimal computer network capacity assignment. *Journal of Computational and Applied Mathematics*, 11(2):209–224, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900219.

Natvig:1986:ECC

[NNOP86] J. Natvig, B. Nour-Omid, and B. N. Parlett. Effect of the CYBER 205 on the choice of method for solving the eigenvalue problem $(A - \lambda M)x = 0$. *Journal of Computational and Applied Mathematics*, 15(2):137–159, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900233.

Notay:1988:PAI

[Not88] Yvan Notay. Polynomial acceleration of iterative schemes associated with subproper splittings. *Journal of Computational and Applied Mathematics*, 24(1–2):153–167, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903500.

Niessner:1985:CBI

[NR85] H. Niessner and M. Ribaut. Condition of boundary integral equations arising from flow computations. *Journal of Computational and Applied Mathematics*, 12–13(??):491–503, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900421.

Neittaanmaki:1982:MLS

[NS82] P. Neittaanmäki and J. Sara-

nen. A modified least squares FE-method for ideal fluid flow problems. *Journal of Computational and Applied Mathematics*, 8(3):165–169, September 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900389.

Niki:1982:AIMa

[NSIO82] Hiroshi Niki, Hideo Sawami, Masatoshi Ikeuchi, and Naotaka Okamoto. The alpha interpolation method for the solution of an eigenvalue problem. *Journal of Computational and Applied Mathematics*, 8(1):15–19, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X8290002X.

Niki:1980:NNS

[NSO80] Hiroshi Niki, Hideo Sawami, and Tetsuya Ondoh. Note on the non-stationary iterative method for the estimation of the optimum overrelaxation parameter. *Journal of Computational and Applied Mathematics*, 6(2):127–131, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900066.

Ng-Stynes:1988:NMT

[NSOS88] Mary Jeanne Ng-Stynes, Eugene O'Riordan, and Martin Stynes. Numerical methods for time-dependent convection–diffusion equations. *Journal of Computational and Applied Mathematics*, 21(3):289–310, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903159.

Noor:1986:NMU

[NT86] Muhammad Aslam Noor and S. I. A. Tirmizi. Numerical methods for unilateral problems. *Journal of Computational and Applied Mathematics*, 16(3):387–395, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900099.

Oliver:1980:AND

[Oli80a] J. Oliver. An algorithm for numerical differentiation of a function of one real variable. *Journal of Computational and Applied Mathematics*, 6(2):145–160, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X8090008X.

Oliver:1980:ANT

[Oli80b] J. Oliver. On the application of Newbery's transformation to the Reinsch polynomial evaluation scheme. *Journal of Computational and Applied Mathematics*, 6(1): 43–52, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900169.

Oliver:1980:SIP

[Oli80c] J. Oliver. The selection of interpolation points in the numerical approximation of second and third order derivatives. *Journal of Computational and Applied Mathematics*, 6(3):229–239, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900303.

Ong:1984:FAS

[Ong84a] Hoon Liong Ong. Fast approximate solution of large scale sparse linear systems. *Journal of Computational and Applied Mathematics*, 10 (1):45–54, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900682.

Ong:1984:FES

[Ong84b] Hoon Liong Ong. Finite element solution to the second order elliptic problems. *Journal of Computational and Applied Mathematics*, 10(1):39–43, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900670.

Ortiz:1985:NSN

[OP85] E. L. Ortiz and K.-S. Pun. Numerical solution of nonlinear partial differential equations with the Tau method. *Journal of Computational and Applied Mathematics*, 12–13(??):511–516, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900445.

Orsi:1989:NQR

[Ors89] Annamaria Palamara Orsi. Nested quadrature rules for Cauchy principal value integrals. *Journal of Computational and Applied Mathematics*, 25(3):251–266, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900307.

ORiordan:1987:UFE

[OS87] Eugene O'Riordan and Martin Stynes. A uniform finite element method for a conservative singularly perturbed problem. *Journal of Computational and Applied Mathematics*, 18(2):163–174, May 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900148`.

Ouellet:1982:GMM

[Oue82] Roch Ouellet. A general model for the measurement of traveller flows. *Journal of Computational and Applied Mathematics*, 8(1):49–50, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900067`.

Ozis:1989:NVC

[Özi89] Turgut Özis. A novel variation of the coordinate transformation method with perturbation technique for diffusion-controlled moving boundary problems. *Journal of Computational and Applied Mathematics*, 25(2):225–235, February 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900484`.

Perez-Acosta:1989:ACD

[PA89] Francisco Pérez-Acosta. An algorithm for the computation of the derivatives of a quotient. *Journal of Computational and Applied Mathematics*, 25(3):379–385, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900411`.

Paardekooper:1989:QCP

[Paa89] M. H. C. Paardekooper. A quadratically convergent parallel Jacobi process for diagonally dominant matrices with distinct eigenvalues. *Journal of Computational and Applied Mathematics*, 27(1–2):3–16, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903580`.

Pandian:1989:PUD

[Pan89] Maharaja C. Pandian. A partial upwind difference scheme for nonlinear parabolic equations. *Journal of Computational and Applied Mathematics*, 26(3):219–233, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789902951`.

Papatheodorou:1982:ICB

[Pap82] T. S. Papatheodorou. Inverses for a class of banded matrices and applications to piecewise cubic approximation. *Journal of Computational and Applied Mathematics*, 8(4):285–288, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900535`.

Papamichael:1989:NCM

[Pap89] N. Papamichael. Numerical conformal mapping onto a rectangle with applications to the solution of Laplacian problems. *Journal of Computational and Applied Mathematics*, 28(??):63–83, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278990321X`.

Paszkowski:1987:RRP

[Pas87] Stefan Paszkowski. Recurrence relations in Padé–Hermite approximation. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):99–107, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901774`.

Piessens:1984:ACB

[PB84] Robert Piessens and Maria Branders. Algorithm for the computation of Bessel function integrals. *Journal of Computational and Applied Mathematics*, 11 (1):119–137, August 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900372`.

Pescatore:1980:MPS

[PC80] C. Pescatore and R. J. Cole. A method for predicting the stability characteristics of three-term homogeneous recurrence relations. *Journal of Computational and Applied Mathematics*, 6(3):197–199, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X80900261`.

Prince:1981:HOE

[PD81] P. J. Prince and J. R. Dormand. High order embedded Runge–Kutta formulae. *Journal of Computational and Applied Mathematics*, 7(1):67–75, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900103`.

Phillips:1988:SIS

[PD88] T. N. Phillips and A. R. Davies. On semi-infinite spectral elements for Poisson problems with re-entrant boundary singularities. *Journal of Computational and Applied Mathematics*, 21(2):173–188, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278890266X`.

Pretorius:1987:SGR

[PE87] L. Pretorius and D. Eyre. Spline-Gauss rules and the Nyström method for solving integral equations in quantum scattering. *Journal of Computational and Applied Mathematics*, 18(2):235–247, May 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900197`.

Petkovic:1982:IMS

[Pet82] M. S. Petković. On an iterative method for simultaneous inclusion of polynomial complex zeros. *Journal of Computational and Applied Mathematics*, 8(1):51–56, March 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900079`.

Phelps:1984:STE

[PF84] J. S. Phelps III and M. J. Funcheon. Solutions of a transcendental equation basic to the study of composite media heat transfer. *Journal of Computational and Applied Mathematics*, 10(2):135–139, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900499`.

Phillips:1987:RSS

[Phi87] Timothy N. Phillips. Relaxation schemes for spectral multigrid methods. *Journal of Computational and Applied Mathematics*, 18(2):149–162, May 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900136`.

Papatheodorou:1980:CMV

[PJ80] T. S. Papatheodorou and M. E. Jesanis. Callocation methods for Volterra integrodifferential equations with singular kernels. *Journal of Computational and Applied Mathematics*, 6(1):3–8, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X8090011X`.

Papamichael:1987:NTC

[PKW87] N. Papamichael, C. A. Kokkinos, and M. K. Warby. Numerical techniques for conformal mapping onto a rectangle. *Journal of Computational and Applied Mathematics*, 20(??):349–358, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278790152X.

Petkovic:1983:NSI

[PM83] M. S. Petković and G. V. Milovanović. A note on some improvements of the simultaneous methods for determination of polynomial zeros. *Journal of Computational and Applied Mathematics*, 9(1):65–69, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900286.

Phillips:1987:ERV

[PMD87] C. Phillips, J. L. Mohamed, and L. M. Delves. Evaluation of the residual vector in global element calculations. *Journal of Computational and Applied Mathematics*, 18(3):331–346, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900069.

Patricio:1987:MVS

[PO87] Fernanda Patrício and Paula Oliveira. Multiderivative variable stepsize variable formula methods. *Journal of Computational and Applied Mathematics*, 19(2):261–267, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901944.

Pan:1989:LSM

[PP89] C.-T. Pan and R. J. Plemmons. Least squares modifications with inverse factorizations: Parallel implications. *Journal of Computational and Applied Mathematics*, 27(1–2):109–127, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903634.

Pinar:1987:MIF

[PR87] M. Piñar and V. Ramírez. Matrix interpretation of formal orthogonal polynomials for non-definite functionals. *Journal of Computational and Applied Mathematics*, 18(3):265–277, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/037704278790001X.

Panovsky:1988:FIC

[PR88] J. Panovsky and D. L. Richardson. A family of implicit Chebyshev methods for the numerical integration of second-order differential equations. *Journal of Computational and Applied Mathematics*, 23(1):35–51, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903299.

Prevost:1983:PTA

[Pre83] Marc Prevost. Padé-type approximants with orthogonal generating polynomials. *Journal of Computational and Applied Mathematics*, 9(4):333–346, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900055.

Prevost:1987:CPM

[Pre87] Marc Prevost. Calculation of poles of meromorphic functions with q-d, r-s and ϵ-algorithms. Acceleration of these processes. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):89–98, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901762.

Prevost:1988:SGT

[Pre88] Marc Prevost. Stieltjes- and Geronimus-type polynomials. *Journal of Computational and Applied Mathematics*, 21(2):133–144, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902634.

Price:1980:NAA

[Pri80] Thomas E. Price, Jr. The numerical approximation of analytic functions in the complex domain. *Journal of Computational and Applied Mathematics*, 6(3):177–182, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900236.

Price:1987:PEE

[Pri87] Thomas E. Price, Jr. Pointwise error estimates for interpolation. *Journal of Computational and Applied Mathematics*, 19(3):389–393, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278790207X.

Petkovic:1986:SIS

[PS86] M. S. Petković and L. V. Stefanović. On some improvements of square root iteration for polynomial complex zeros. *Journal of Computational and Applied Mathematics*, 15(1):13–25, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902359.

Papamichael:1987:CQS

[PS87] N. Papamichael and M. J. Soares. Cubic and quintic spline-on-spline interpolation. *Journal of Computational and Applied Mathematics*, 20(??):359–366, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901531.

Puu:1988:CTA

[Puu88a] Tönu Puu. Catastrophe theory applied to the refraction of traffic. *Journal of Computational and Applied Mathematics*, 22(2–3):315–318, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904104.

Puu:1988:SSM

[Puu88b] Tönu Puu. Structural stability as a modeling instrument in spatial economics. *Journal of Computational and Applied Mathematics*, 22(2–3):369–379, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904141.

Potier:1985:SSF

[PV85] C. Potier and C. Vercken. Surface smoothing with finite elements. *Journal of Computational and Applied Mathematics*, 12–13(??):505–509, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900433.

Papamichael:1981:CSM

[PW81a] N. Papamichael and A. J. Worsey. A cubic spline method for the solution of a linear fourth-order two-point boundary value problem. *Journal of Computational and Applied Mathematics*, 7(3):187–189, September 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900176.

Papamichael:1981:ECI

[PW81b] N. Papamichael and A. J. Worsey. End conditions for improved cubic spline derivative approximations. *Journal of Computational and Applied Mathematics*, 7(2):101–109, June 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900425`.

Papamichael:1984:PTS

[PW84] N. Papamichael and M. K. Warby. Pole-type singularities and the numerical conformal mapping of doubly-connected domains. *Journal of Computational and Applied Mathematics*, 10(1):93–106, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900736`.

Papamichael:1983:DPM

[PWH83] N. Papamichael, M. K. Warby, and D. M. Hough. The determination of the poles of the mapping function and their use in numerical conformal mapping. *Journal of Computational and Applied Mathematics*, 9(2):155–166, June 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900389`.

Papamichael:1986:TCP

[PWH86] N. Papamichael, M. K. Warby, and D. M. Hough. The treatment of corner and pole-type singularities in numerical conformal mapping techniques. *Journal of Computational and Applied Mathematics*, 14(1–2):163–191, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786901378`.

Rabinowitz:1987:NIP

[Rab87a] Philip Rabinowitz. Numerical integration in the presence of an interior singularity. *Journal of Computational and Applied Mathematics*, 17(1–2):31–41, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900367`.

Rabinowitz:1987:CCI

[Rab87b] Philip Rabinowitz. On the convergence of closed interpolatory integration rules based on the zeros of Gegenbauer polynomials. *Journal of Computational and Applied Mathematics*, 17(1–2):43–46, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042787900379.

Rabinowitz:1989:PIB

[Rab89] Philip Rabinowitz. Product integration based on Hermite–Fejér interpolation. *Journal of Computational and Applied Mathematics*, 28 (??):85–101, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903221.

Rae:1982:LIS

[Rae82] I. C. Rae. On Laplacian integrals with singular kernels. *Journal of Computational and Applied Mathematics*, 8(2):141, June 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900717.

Ranga:1987:CPC

[Ran87] A. Sri Ranga. Convergence properties of a class of $\hat{J}$-fractions. *Journal of Computational and Applied Mathematics*, 19(3): 331–342, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787902020.

Reichel:1986:EWB

[RC86] L. Reichel and P. Chapman. Edge waves by boundary collocation. *Journal of Computational and Applied Mathematics*, 15(1):59–73, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902384.

Roose:1981:AIS

[RD81] Dirk Roose and Elise De Doncker. Automatic integration over a sphere. *Journal of Computational and Applied Mathematics*, 7(3):203–224, September 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X8190019X.

Rottiers:1987:EEV

[RD87] L. Rottiers and G. De Mey. Eigenfunction expansion versus the boundary element method for thermal problems in microelectronics. *Journal of Computational and Applied Mathematics*, 20(??):367–372, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901543.

Reichel:1984:DBC

[Rei84] Lothar Reichel. On the determination of boundary collocation points for solving some problems for the Laplace operator. *Journal of Computational and Applied Mathematics*, 11(2):175–196, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900190`.

Reichel:1986:FMS

[Rei86] Lothar Reichel. A fast method for solving certain integral equations of the first kind with application to conformal mapping. *Journal of Computational and Applied Mathematics*, 14(1–2):125–142, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786901342`.

Rendl:1988:EAP

[Ren88] Franz Rendl. On the Euclidean assignment problem. *Journal of Computational and Applied Mathematics*, 23(3):257–265, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788900015`.

Rijckaert:1980:BRA

[Rij80] M. J. Rijckaert. Book review: *Algorithmic graph theory and perfect graphs*: Martin C. Golumbic. New York, Academic Press, 1980, 24 cm × 16 cm, 284 pages, price $29.50. *Journal of Computational and Applied Mathematics*, 6(4):274, December 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X80900364`.

Riele:1989:FQS

[RLW89] Herman Te Riele, Walter Lioen, and Dik Winter. Factoring with the quadratic sieve on large vector computers. *Journal of Computational and Applied Mathematics*, 27(1–2):267–278, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903701`.

Ronveaux:1989:CRO

[RM89] A. Ronveaux and F. Marcellan. Co-recursive orthogonal polynomials and fourth-order differential equation. *Journal of Computational and Applied Mathematics*, 25(1):105–109, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/0377042789900794.

Rockafellar:1988:OCD

[Roc88a] R. T. Rockafellar. Optimization: a case for the development of new mathematical concepts. *Journal of Computational and Applied Mathematics*, 22(2–3):243–255, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904049.

Rockswold:1988:ITM

[Roc88b] Gary K. Rockswold. Implementation of α-type multistep methods for stiff differential equations. *Journal of Computational and Applied Mathematics*, 22(1):63–69, April 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902889.

Rohwer:1987:FOS

[Roh87] C. H. Rohwer. Fast one-sided approximation with spline functions. *Journal of Computational and Applied Mathematics*, 18(1):93–105, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900586.

Rokne:1986:SMC

[Rok86] Jon Rokne. A simple method for computing the values of the derivatives of a rational function. *Journal of Computational and Applied Mathematics*, 14(3):447–449, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900786.

Rokne:1987:RCC

[Rok87] Jon Rokne. Rational circular complex centered forms. *Journal of Computational and Applied Mathematics*, 17(3):309–327, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901087.

Ronning:1986:CTF

[Ron86] Gerd Ronning. On the curvature of the trigamma function. *Journal of Computational and Applied Mathematics*, 15(3):397–399, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902311.

Roose:1985:ACH

[Roo85] D. Roose. An algorithm for the computation of Hopf

bifurcation points in comparison with other methods. *Journal of Computational and Applied Mathematics*, 12–13(??):517–529, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900457`.

Rosen:1988:CI

[Ros88] Robert Rosen. Complexity and information. *Journal of Computational and Applied Mathematics*, 22(2–3):211–218, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788904013`.

Rousseeuw:1983:OSP

[Rou83] Peter J. Rousseeuw. Optimal search paths for random variables. *Journal of Computational and Applied Mathematics*, 9(3):279–286, September 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900201`.

Rousseeuw:1987:SGA

[Rou87] Peter J. Rousseeuw. Silhouettes: a graphical aid to the interpretation and validation of cluster analysis. *Journal of Computational and Applied Mathematics*, 20(??):53–65, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901257`.

Rousseeuw:1981:ICG

[RR81] Peter J. Rousseeuw and Elvezio Ronchetti. Influence curves of general statistics. *Journal of Computational and Applied Mathematics*, 7(3):161–166, September 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900139`.

Rasmussen:1986:UIB

[RS86] H. Rasmussen and S. D. Salhani. Unsteady interface between two fluids in a porous medium. *Journal of Computational and Applied Mathematics*, 16(2):159–167, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786900890`.

Ruotsalainen:1989:CMN

[RS89] K. Ruotsalainen and J. Saranen. On the collocation method for a nonlinear boundary integral equation. *Journal of Computational and Applied Mathematics*, 28(??):339–348, Decem-

ber 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903452.

Ruotsalainen:1987:BEM

[Ruo87] K. Ruotsalainen. On the boundary element method with mesh refinement on curves with corners. *Journal of Computational and Applied Mathematics*, 20(??): 373–378, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901555.

Rodrigue:1988:CRE

[RV88] Garry Rodrigue and Richard Varga. Convergence rate estimates for iterative solutions of the biharmonic equation. *Journal of Computational and Applied Mathematics*, 24(1–2):129–146, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903482.

Rudd:1985:EIP

[RWP85] W. G. Rudd, Chien J. Wang, and Wu Peng. Efficient integration over polytopes. *Journal of Computational and Applied Mathematics*, 12–13(??):531–540, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900469.

Saad:1988:PTN

[Saa88a] Youcef Saad. Preconditioning techniques for nonsymmetric and indefinite linear systems. *Journal of Computational and Applied Mathematics*, 24(1–2):89–105, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903457.

Saari:1988:TIM

[Saa88b] Donald G. Saari. On the types of information and mechanism design. *Journal of Computational and Applied Mathematics*, 22(2–3):231–242, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788904037.

Sablonniere:1983:NFP

[Sab83] Paul Sablonniere. A new family of Padé-type approximants in x. *Journal of Computational and Applied Mathematics*, 9(4):347–359, December 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/0377042783900067.

Sablonniere:1985:CFE

[Sab85] Paul Sablonniere. Composite finite elements of class C^k. *Journal of Computational and Applied Mathematics*, 12–13(??):541–550, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900470.

Sablonniere:1987:CAL

[Sab87] Paul Sablonniere. Convergence acceleration of logarithmic fixed point sequences. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):55–60, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901713.

Salzer:1983:NDG

[Sal83] Herbert E. Salzer. Note on the Dočev–Grosswald asymptotic series for generalized Bessel polynomials. *Journal of Computational and Applied Mathematics*, 9(2):131–135, June 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900365. See errata [Ano84e].

Saridakis:1988:AAA

[Sar88] Yiannis G. Saridakis. An algorithmic approach for the analysis of extrapolated iterative schemes applied to least-squares problems. *Journal of Computational and Applied Mathematics*, 24(1–2):209–225, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903548.

Saylor:1988:LVI

[Say88] Paul E. Saylor. Leapfrog variants of iterative methods for linear algebraic equations. *Journal of Computational and Applied Mathematics*, 24(1–2):169–193, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903512.

Shampine:1984:EES

[SB84] Lawrence F. Shampine and Lorraine S. Baca. Error estimators for stiff differential equations. *Journal of Computational and Applied Mathematics*, 11(2):197–207, October 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900207.

Sidi:1988:CSA

[SB88a] Avram Sidi and Jacob Bridger. Convergence and stability analyses for some vector extrapolation methods in the presence of defective iteration matrices. *Journal of Computational and Applied Mathematics*, 22(1):35–61, April 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788902877`.

Simeonov:1988:ESS

[SB88b] P. S. Simeonov and D. D. Bainov. Exponential stability of the solutions of the initial-value problem for systems with impulse effect. *Journal of Computational and Applied Mathematics*, 23(3):353–365, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788900064`.

Spence:1989:NCP

[SCJ89] A. Spence, K. A. Cliffe, and A. D. Jepson. A note on the calculation of paths of Hopf bifurcations. *Journal of Computational and Applied Mathematics*, 26(1–2):125–131, June 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789901519`.

Segercrantz:1984:ECP

[Seg84] Jerry Segercrantz. On the existence of conjugate points for a constrained minimization problem. *Journal of Computational and Applied Mathematics*, 10(3):385–386, June 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900463`.

Sagara:1984:CMS

[SF84] Nobuko Sagara and Masao Fukushima. A continuation method for solving separable nonlinear least squares problems. *Journal of Computational and Applied Mathematics*, 10(2):157–161, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900529`.

Sagara:1986:NPC

[SF86] Nobuko Sagara and Masao Fukushima. A new predictor–corrector method for solving unconstrained minimization problems. *Journal of Computational and Applied Mathematics*, 16(3): 343–354, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http:`

//www.sciencedirect.com/science/article/pii/0377042786900051.

Sagara:1987:EPC

[SF87] Nobuko Sagara and Masao Fukushima. An efficient predictor–corrector method for solving nonlinear equations. *Journal of Computational and Applied Mathematics*, 19(3):343–349, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787902032.

Sternberg:1988:NMP

[SG88] Robert L. Sternberg and Robert B. Grafton. On a numerical minimization problem for a new class of nonlinear partial differential equations arising in nonspherical geometrical optics and beamforming lenticular antennas II. *Journal of Computational and Applied Mathematics*, 21(2):213–222, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902695.

Suleiman:1989:TSS

[SG89] M. B. Suleiman and C. W. Gear. Treating a single, stiff, second-order ODE directly. *Journal of Computational and Applied Mathematics*, 27(3):331–348, November 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900216.

Sternberg:1985:NMP

[SGC85] Robert L. Sternberg, Robert B. Grafton, and Donald R. Childs. On a numerical minimization problem for a new class of nonlinear partial differential equations arising in nonspherical geometrical optics and beamforming lenticular antennas. *Journal of Computational and Applied Mathematics*, 12–13(??):591–607, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900512.

Schmidt:1987:QRE

[SH87] Jochen W. Schmidt and Walter Hess. Quadratic and related exponential splines in shape preserving interpolation. *Journal of Computational and Applied Mathematics*, 18(3):321–329, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900057.

Shampine:1981:EUI

[Sha81] Lawrence F. Shampine. Efficient use of implicit formulas

with predictor–corrector error estimate. *Journal of Computational and Applied Mathematics*, 7(1):33–35, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X8190005X`.

Shanks:1984:FRT

[Sha84] J. A. Shanks. On forming the Romberg table. *Journal of Computational and Applied Mathematics*, 11(3): 343–351, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042784900098`.

Shampine:1986:SSN

[Sha86] Lawrence F. Shampine. Solution of structured non-stiff ODEs. *Journal of Computational and Applied Mathematics*, 15(3):293–300, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786902207`.

Shampine:1987:CSS

[Sha87] L. F. Shampine. Control of step size and order in extrapolation codes. *Journal of Computational and Applied Mathematics*, 18(1):3–16, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900525`.

Sharma:1988:ISB

[Sha88a] Rakesh K. Sharma. Iterative solutions to boundary-value differential equations involving reflection of the argument. *Journal of Computational and Applied Mathematics*, 24(3):319–326, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788902932`.

Sharma:1988:NSR

[Sha88b] Rakesh K. Sharma. Numerical solutions to radial form of transistor equations. *Journal of Computational and Applied Mathematics*, 21(3):377–381, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903214`.

Shoufu:1989:SCG

[Sho89] Li Shoufu. Stability and B-convergence of general linear methods. *Journal of Computational and Applied Mathematics*, 28(??): 281–296, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778

(electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903403.

Sidi:1980:SAT

[Sid80] Avram Sidi. Some aspects of two-point Padé approximants. *Journal of Computational and Applied Mathematics*, 6(1):9–17, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900121.

Sidi:1981:NMD

[Sid81] Avram Sidi. A new method for deriving Padé approximants for some hypergeometric functions. *Journal of Computational and Applied Mathematics*, 7(1):37–40, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X81900061.

Sidi:1987:EMD

[Sid87] Avram Sidi. Extrapolation methods for divergent oscillatory infinite integrals that are defined in the sense of summability. *Journal of Computational and Applied Mathematics*, 17(1–2):105–114, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900410.

Sidi:1988:EVP

[Sid88] Avram Sidi. Extrapolation vs. projection methods for linear systems of equations. *Journal of Computational and Applied Mathematics*, 22(1):71–88, April 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902890.

Siemaszko:1980:BCF

[Sie80] Wojciech Siemaszko. Branched continued fractions for double power series. *Journal of Computational and Applied Mathematics*, 6(2):121–125, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900054.

Siemaszko:1983:TTB

[Sie83] Wojciech Siemaszko. Thiele-type branched continued fractions for two-variable functions. *Journal of Computational and Applied Mathematics*, 9(2):137–153, June 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900377.

Shenton:1989:Fa

[SK89a] L. R. Shenton and A. W. Kemp. An S-fraction and $\ln^2(1+x)$. *Journal of Computational and Applied Mathematics*, 25(1):121–124, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789900812`.

Shenton:1989:Fb

[SK89b] L. R. Shenton and A. W. Kemp. An S-fraction and $\ln^2(1+x)$. *Journal of Computational and Applied Mathematics*, 26(3):367–370, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903087`.

Santos:1986:CCS

[SL86] Newton R. Santos and Odelar L. Linhares. Convergence of Chebyshev semi-iterative methods. *Journal of Computational and Applied Mathematics*, 16(1):59–68, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786901731`.

Sloan:1985:LMM

[Slo85] Ian H. Sloan. Lattice methods for multiple integration. *Journal of Computational and Applied Mathematics*, 12–13(??):131–143, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900123`.

Sloan:1986:NSF

[Slo86] D. M. Sloan. Numerical solution of a free boundary problem by continuation. *Journal of Computational and Applied Mathematics*, 14(3):279–288, March 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278690066X`.

Smiley:1987:LDQ

[Smi87a] M. W. Smiley. Low-dimensional qualitative and numerical approximation of bifurcation in a semilinear elliptic problem. *Journal of Computational and Applied Mathematics*, 19(3): 301–312, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787902007`.

Smiley:1987:NSS

[Smi87b] M. W. Smiley. A numerical study of spontaneous bifurcation. *Journal of Computational and Applied Math-*

ematics, 19(2):179–188, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901889.

Smyth:1985:ARM

[Smy85] W. F. Smyth. Algorithms for the reduction of matrix bandwidth and profile. *Journal of Computational and Applied Mathematics*, 12–13(??):551–561, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900482.

Snyman:1987:VMA

[Sny87] I. M. Snyman. A variational method applied to a linear hyperbolic initial boundary value problem. *Journal of Computational and Applied Mathematics*, 17(3):345–354, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901105.

Snyman:1988:PFM

[Sny88] J. A. Snyman. A parameter-free multiplier method for constrained minimization problems. *Journal of Computational and Applied Mathematics*, 23(2):155–168, August 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902774.

Sloan:1987:MIB

[SO87] I. H. Sloan and T. R. Osborn. Multiple integration over bounded and unbounded regions. *Journal of Computational and Applied Mathematics*, 17(1–2):181–196, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278790046X.

Sagara:1982:III

[SOA82] Nobuko Sagara, Toshio Odanaka, and Tsutomu Arimizu. Invariant imbedding and the identification of aquifer parameters. *Journal of Computational and Applied Mathematics*, 8(3):209–212, September 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900432.

Soh:1988:FSB

[Soh88] B. C. Soh. Fourier series of B-splines. *Journal of Computational and Applied Mathematics*, 21(1):125–127, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.

com/science/article/pii/0377042788903950.

Soh:1989:DAP

[Soh89] B. C. Soh. On the degree of approximation to periodic functions by a trigonometric spline convolution operator. *Journal of Computational and Applied Mathematics*, 26(3):251–255, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789902975.

Soler:1987:CMN

[Sol87] J. Soler. On cubature with a minimal number of lines. *Journal of Computational and Applied Mathematics*, 19(2):223–230, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901919.

Solak:1989:QFE

[Sol89] W. Solak. On quadrature formulas with end corrections. *Journal of Computational and Applied Mathematics*, 25(3):373–377, May 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278990040X.

Sommeijer:1987:NDI

[Som87] B. P. Sommeijer. A note on a diagonally implicit Runge–Kutta–Nyström method. *Journal of Computational and Applied Mathematics*, 19(3):395–399, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787902081.

Song:1988:RFE

[Son88a] Iickho Song. A recursive formula for even order harmonic series. *Journal of Computational and Applied Mathematics*, 21(2):251–256, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902749.

Song:1988:FEM

[Son88b] Jiang Song. A finite element method for equations of one-dimensional nonlinear thermoelasticity. *Journal of Computational and Applied Mathematics*, 21(1):1–16, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903834.

Sonnevend:1989:ANA

[Son89] György Sonnevend. Applications of the notion of

analytic center in approximation (estimation) problems. *Journal of Computational and Applied Mathematics*, 28(??):349–358, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903464.

Sottas:1984:RRK

[Sot84] G. Sottas. Rational Runge–Kutta methods are not suitable for stiff systems of ODEs. *Journal of Computational and Applied Mathematics*, 10(2):169–174, April 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900542.

Spijker:1985:FCI

[Spi85] M. N. Spijker. Feasibility and contractivity in implicit Runge–Kutta methods. *Journal of Computational and Applied Mathematics*, 12–13(??):563–578, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900494.

Spoelstra:1989:MOA

[Spo89] J. Spoelstra. The modelling of oil agglomeration of coal fines. *Journal of Computational and Applied Mathematics*, 28(??):359–366, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903476.

Schuck:1988:NSH

[SR88] P. L. Schuck and H. Rasmussen. Numerical solution of a heated subsidence mound problem in a porous medium. *Journal of Computational and Applied Mathematics*, 24(3):293–318, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902920.

Surla:1988:SSP

[SS88] K. Surla and M. Stojanović. Solving singularly perturbed boundary-value problems by spline in tension. *Journal of Computational and Applied Mathematics*, 24(3):355–363, December 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278890297X.

Sugiura:1989:CHO

[SS89a] Hiroshi Sugiura and Tetsuya Sakurai. On the construction of high-order integration formulae for the adaptive quadrature method.

Journal of Computational and Applied Mathematics, 28(??):367–381, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903488`.

Swarztrauber:1989:VPM

[SS89b] Paul N. Swarztrauber and Roland A. Sweet. Vector and parallel methods for the direct solution of Poisson's equation. *Journal of Computational and Applied Mathematics*, 27(1–2):241–263, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903695`.

Slivnik:1986:NMS

[ST86] Tomaz Slivnik and Gabrijel Tomsic. A numerical method for the solution of two-parameter eigenvalue problems. *Journal of Computational and Applied Mathematics*, 15(1):109–115, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786902438`.

Saxena:1987:ISD

[ST87] R. B. Saxena and H. C. Tripathi. (0, 2, 3) and (0, 1, 3) interpolation by six degree splines. *Journal of Computational and Applied Mathematics*, 18(3):395–401, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900100`.

Steiner:1985:AMS

[Ste85] George Steiner. An algorithm for minimizing setups in precedence constrained scheduling. *Journal of Computational and Applied Mathematics*, 12–13(??):579–589, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900500`.

Steinberg:1987:CEC

[Ste87] J. Steinberg. Computation of expansion coefficients in a singular harmonic problem. *Journal of Computational and Applied Mathematics*, 18(2):213–220, May 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900173`.

Spivack:1989:SSS

[SU89] M. Spivack and B. J. Uscinski. The split-step solution in random wave propagation. *Journal of Computational and Applied Mathemat-*

ics, 27(3):349–361, November 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900228.

Sugihara:1987:CFW

[Sug87a] Masaaki Sugihara. A class of functions for which the trapezoidal rule gives the exact value of integral over the infinite interval. *Journal of Computational and Applied Mathematics*, 20(??): 387–392, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901579.

Sugihara:1987:MGM

[Sug87b] Masaaki Sugihara. Method of good matrices for multidimensional numerical integrations — an extension of the method of good lattice points. *Journal of Computational and Applied Mathematics*, 17(1–2):197–213, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900471.

Sugihara:1987:MNI

[Sug87c] Masaaki Sugihara. Methods of numerical integration of oscillatory functions by the DE-formula with the Richardson extrapolation. *Journal of Computational and Applied Mathematics*, 17(1–2):47–68, February 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900380.

Spoelstra:1987:MSN

[SV87] J. Spoelstra and D. J. Van Wyk. A method of solution for a non-linear diffusion model and for computing the parameters in the model. *Journal of Computational and Applied Mathematics*, 20(??):379–385, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901567.

Schlichting:1989:SBB

[SvdV89] J. J. F. M. Schlichting and H. A. van der Vorst. Solving 3D block bidiagonal linear systems on vector computers. *Journal of Computational and Applied Mathematics*, 27(1–2):323–330, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903737.

Shivakumar:1988:IMT

[SW88] P. N. Shivakumar and J. J.

Williams. An iterative method with truncation for infinite linear systems. *Journal of Computational and Applied Mathematics*, 24(1–2): 199–207, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903536`.

Schonauer:1989:EVP

[SW89] W. Schönauer and R. Weiß. Efficient vectorizable PDE solvers. *Journal of Computational and Applied Mathematics*, 27(1–2):279–297, September 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903713`.

Szulc:1989:CNP

[Szu89] Tomasz Szulc. Criteria for the nonsingularity of partitioned matrices. *Journal of Computational and Applied Mathematics*, 26(3):289–295, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903014`.

Thandapani:1988:SSS

[TBB88] E. Thandapani, K. Balachandran, and G. Balasubramanian. Series solutions of some nonlinear differential equations. *Journal of Computational and Applied Mathematics*, 23(1):103–107, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903342`.

Temme:1981:ECH

[Tem81] N. M. Temme. On the expansion of confluent hypergeometric functions in terms of Bessel functions. *Journal of Computational and Applied Mathematics*, 7(1):27–32, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900048`.

Temme:1985:CIE

[Tem85] N. M. Temme. A convolution integral equation solved by Laplace transformations. *Journal of Computational and Applied Mathematics*, 12–13(??):609–613, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900524`.

Tempelmeier:1988:NPC

[Tem88] Uwe Tempelmeier. A new proof of the cross-rule for the ϵ-algorithm based on Schur-complements. *Journal of Computational and Applied Mathematics*, 21(1):

55–61, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903871`.

TenThijeBoonkkamp:1987:OEH

[Ten87] J. H. M. Ten Thije Boonkkamp. The odd-even hopscotch pressure correction scheme for the incompressible Navier–Stokes equations. *Journal of Computational and Applied Mathematics*, 20(??): 393–402, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901580`.

Tezer:1989:NEO

[Tez89] Münevver Tezer. On the numerical evaluation of an oscillating infinite series. *Journal of Computational and Applied Mathematics*, 28(??):383–390, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278990349X`.

Tanaka:1988:GCS

[TFI88] Yoshihiro Tanaka, Masao Fukushima, and Toshihide Ibaraki. A globally convergent SQP method for semi-infinite nonlinear optimization. *Journal of Computational and Applied Mathematics*, 23(2):141–153, August 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788902762`.

Thompson:1982:NEC

[Tho82a] S. Thompson. The nonexistence of certain A_0-stable Adams-type correctors. *Journal of Computational and Applied Mathematics*, 8(3):155–157, September 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900365`.

Thompson:1982:SSF

[Tho82b] S. Thompson. Stiffly stable fourth order Adams-type methods. *Journal of Computational and Applied Mathematics*, 8(4):253–256, December 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X82900481`.

Torelli:1989:SNM

[Tor89] Lucio Torelli. Stability of numerical methods for delay differential equations. *Journal of Computational and Applied Mathematics*, 25(1): 15–26, January 1989. CODEN JCAMDI. ISSN

0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278990071X.

Trefethen:1986:P

[Tre86] Lloyd N. Trefethen. Preface. *Journal of Computational and Applied Mathematics*, 14(1–2):1–6, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901275.

Thrasher:1986:EPM

[TS86] Richard Thrasher and Kamy Sepehrnoori. On equidistributing principles in moving finite element methods. *Journal of Computational and Applied Mathematics*, 16(3):309–318, November 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900026.

Twizell:1987:MMN

[TT87] E. H. Twizell and S. I. A. Tirmizi. Multiderivative methods for non-linear second-order boundary value problems. *Journal of Computational and Applied Mathematics*, 17(3):299–307, March 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901075.

Ta-tsien:1989:CNL

[Tt89] Li Ta-tsien. A class of nonlocal boundary value problems for partial differential equations and its applications in numerical analysis. *Journal of Computational and Applied Mathematics*, 28(??):49–62, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903208.

TunesDosSantos:1987:PSP

[Tun87] Lucio Tunes Dos Santos. A parallel subgradient projections method for the convex feasibility problem. *Journal of Computational and Applied Mathematics*, 18(3):307–320, June 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900045.

Trefethen:1986:CMS

[TW86] Lloyd N. Trefethen and Ruth J. Williams. Conformal mapping solution of Laplace's equation on a polygon with oblique derivative boundary conditions. *Journal of Computational and Applied Mathematics*, 14(1–2):227–249, February

1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/037704278690141X.

Twizell:1986:PLA

[Twi86] E. H. Twizell. Phase-lag analysis for a family of two-step methods for second order periodic initial value problems. *Journal of Computational and Applied Mathematics*, 15(2):261–263, June 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900336.

Usmani:1980:SSA

[Usm80] Riaz A. Usmani. Smooth spline approximations for the solution of a boundary value problem with engineering applications. *Journal of Computational and Applied Mathematics*, 6(2):93–98, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900029.

VanderBorght:1980:NSN

[Van80] R. Van der Borght. A numerical study of non-linear convection in a compressible medium. *Journal of Computational and Applied Mathematics*, 6(4):283–294, December 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900388.

VanAssche:1985:SRA

[Van85] Walter Van Assche. Some results on the asymptotic distribution of the zeros of orthogonal polynomials. *Journal of Computational and Applied Mathematics*, 12–13(??):615–623, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900536.

VanIseghem:1987:VOR

[Van87a] J. Van Iseghem. Vector orthogonal relations. Vector QD-algorithm. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):141–150, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901828.

VanSiclen:1987:EAO

[Van87b] C. Dew. Van Siclen. Estimating atomic 1s orbital radii. *Journal of Computational and Applied Mathematics*, 19(2):283–286, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL

http://www.sciencedirect.com/science/article/pii/037704278790197X.

VanVeldhuizen:1988:NAR

[Van88] M. Van Veldhuizen. On the numerical approximation of the rotation number. *Journal of Computational and Applied Mathematics*, 21(2):203–212, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902683.

VanGestel:1989:BRP

[Van89a] E. Van Gestel. Book review: *Program correctness over abstract data types, with error-state semantics*: J. V. Tucker and J. I. Zucker, CWI Monographs, Vol. 6, North-Holland, Amsterdam, 1988, 212 pages, Price: U.S. $58.00/Dfl. 110.00, ISBN 0-444-70340-3. *Journal of Computational and Applied Mathematics*, 26(3):N2, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903129.

VanHuffel:1989:ECT

[Van89b] Sabine Van Huffel. The extended classical total least squares algorithm. *Journal of Computational and Applied Mathematics*, 25 (1):111–119, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900800.

VanIseghem:1989:CVA

[Van89c] Jeannette Van Iseghem. Convergence of the vector *QD*-algorithm. Zeros of vector orthogonal polynomials. *Journal of Computational and Applied Mathematics*, 25(1):33–46, January 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900733.

VonHohenbalken:1987:LDM

[VCL87] Balder Von Hohenbalken, Bruce L. Clarke, and James E. Lewis. Least distance methods for the frame of homogeneous equation systems. *Journal of Computational and Applied Mathematics*, 19(2):231–241, August 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901920.

vanderCruyssen:1982:DAC

[vdC82] P. van der Cruyssen. Discussion of algorithms for the computation of generalized continued fractions. *Journal of Computational and Applied Mathematics*, 8(3):179–186, Septem-

ber 1982. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X82900407.

VanDyck:1980:MSE

[VDD80] D. Van Dyck, R. De Ridder, and J. De Sitter. The most storage economical Runge–Kutta methods for the solution of large systems of coupled first-order differential equations. *Journal of Computational and Applied Mathematics*, 6(1):83–85, March 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900212.

vanderHouwen:1983:FOA

[vdHdV83] P. J. van der Houwen and H. B. de Vries. A fourth order ADI method for semidiscrete parabolic equations. *Journal of Computational and Applied Mathematics*, 9(1):41–63, March 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042783900274.

vanderHouwen:1984:SLM

[vdHS84] P. J. van der Houwen and B. P. Sommeijer. Stability in linear multistep methods for pure delay equations. *Journal of Computational and Applied Mathematics*, 10(1):55–63, February 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900694.

vanderHouwen:1986:RDH

[vdHS86] P. J. van der Houwen and B. P. Sommeijer. Reduction of dispersion in hyperbolic difference schemes by adapting the space discretization. *Journal of Computational and Applied Mathematics*, 16(2):203–214, October 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786900920.

vanderVorst:1987:ISM

[vdV87] H. A. van der Vorst. An iterative solution method for solving $f(A)x = b$, using Krylov subspace information obtained for the symmetric positive definite matrix A. *Journal of Computational and Applied Mathematics*, 18(2):249–263, May 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787900203.

vanderVorst:1988:CGT

[vdVD88] Henk A. van der Vorst and Kees Dekker. Conju-

gate gradient type methods and preconditioning. *Journal of Computational and Applied Mathematics*, 24(1–2):73–87, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903445.

VandenBerghe:1989:NMS

[VFD89] G. Vanden Berghe, V. Fack, and H. E. De Meyer. Numerical methods for solving radial Schrödinger equations. *Journal of Computational and Applied Mathematics*, 28(??):391–401, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903506.

vanLaarhoven:1988:CLF

[vLK88] Peter J. M. van Laarhoven and Ton A. C. M. Kalker. On the computation of Lauricella functions of the fourth kind. *Journal of Computational and Applied Mathematics*, 21(3):369–375, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903202.

Volk:1988:IGM

[Vol88] Wolfgang Volk. The iterated Galerkin method for linear integro-differential equations. *Journal of Computational and Applied Mathematics*, 21(1):63–74, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903883.

VonHohenbalken:1988:ASO

[Von88] Balder Von Hohenbalken. An algorithm for set operations on nonconvex polygons (with an application to census tracts). *Journal of Computational and Applied Mathematics*, 23(1):11–24, July 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903275.

VanDerHouwen:1985:HOD

[VS85] P. J. Van Der Houwen and B. S. Sommeijer. High order difference schemes with reduced dispersion for hyperbolic differential equations. *Journal of Computational and Applied Mathematics*, 12–13(??):145–161, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900135.

vanSlijpe:1986:RWT

[vS86] A. R. D. van Slijpe. Ran-

dom walks on the triangular prism and other vertex-transitive graphs. *Journal of Computational and Applied Mathematics*, 15(3):383–394, July 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902293.

Venkaiah:1988:CMS

[VS88] V. Ch Venkaiah and S. K. Sen. Computing a matrix symmetrizer exactly using modified multiple modulus residue arithmetic. *Journal of Computational and Applied Mathematics*, 21(1):27–40, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903858.

VanDerHouwen:1989:NEP

[VSV89] P. J. Van Der Houwen, B. P. Sommeijer, and P. A. Van Mourik. Note on explicit parallel multistep Runge–Kutta methods. *Journal of Computational and Applied Mathematics*, 27(3): 411–420, November 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789900265.

Vulanovic:1989:FDS

[Vul89] R. Vulanović. Finite-difference schemes for quasilinear singular perturbation problems. *Journal of Computational and Applied Mathematics*, 26(3):345–365, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903075.

VanHuffel:1988:PTL

[VV88] Sabine Van Huffel and Joos Vandewalle. The partial total least squares algorithm. *Journal of Computational and Applied Mathematics*, 21(3):333–341, March 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903172.

VanHuffel:1987:ERA

[VVH87] Sabine Van Huffel, Joos Vandewalle, and Ann Haegemans. An efficient and reliable algorithm for computing the singular subspace of a matrix, associated with its smallest singular values. *Journal of Computational and Applied Mathematics*, 19(3):313–330, September 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787902019.

Waadeland:1987:DCF

[Waa87a] Haakon Waadeland. Derivatives of continued fractions with applications to hypergeometric functions. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):161–169, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901841.

Waadeland:1987:LAC

[Waa87b] Haakon Waadeland. Linear approximations to continued fractions $K(z_n/1)$. *Journal of Computational and Applied Mathematics*, 20(??):403–415, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901592.

Wadia:1980:NEH

[Wad80] Aspi Rustom Wadia. Note on the eigensolution of a homogeneous equation with semi-infinite domain. *Journal of Computational and Applied Mathematics*, 6(2):161–165, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900091.

Wallin:1987:DPM

[Wal87] Hans Wallin. The divergence problem for multipoint Padé approximants of meromorphic functions. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):61–65, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901725.

Walz:1988:CME

[Wal88] Guido Walz. Computing the matrix exponential and other matrix functions. *Journal of Computational and Applied Mathematics*, 21(1):119–123, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903949.

Wambecq:1980:SEA

[Wam80] A. Wambecq. Solution of the equations associated with rational Runge–Kutta methods of orders up to four. *Journal of Computational and Applied Mathematics*, 6(4):275–281, December 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900376.

Wang:1985:DBS

[Wan85] Ren-Hong Wang. The dimension and basis of spaces of multivariate splines. *Journal of Computational and Applied Mathematics*, 12–13(??):163–177, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900147`.

Watson:1981:NSP

[Wat81] Layne T. Watson. Numerical study of porous channel flow in a rotating system by a homotopy method. *Journal of Computational and Applied Mathematics*, 7(1):21–26, March 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900036`.

Watts:1983:SSS

[Wat83] H. A. Watts. Starting step size for an ODE solver. *Journal of Computational and Applied Mathematics*, 9(2):177–191, June 1983. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042783900407`.

Wegmann:1986:IMCa

[Weg86a] Rudolf Wegmann. An iterative method for conformal mapping. *Journal of Computational and Applied Mathematics*, 14(1–2):7–18, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786901287`.

Wegmann:1986:IMCb

[Weg86b] Rudolf Wegmann. An iterative method for the conformal mapping of doubly connected regions. *Journal of Computational and Applied Mathematics*, 14(1–2):79–98, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786901317`.

Wegmann:1988:DRH

[Weg88] Rudolf Wegmann. Discrete Riemann–Hilbert problems, interpolation of simply closed curves, and numerical conformal mapping. *Journal of Computational and Applied Mathematics*, 23(3):323–352, September 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788900052`.

Weidlich:1988:SMT

[Wei88] Wolfgang Weidlich. Stochastic migration theory and migratory phase transitions.

Journal of Computational and Applied Mathematics, 22 (2–3):359–368, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278890413X`.

Wise:1981:NAC

[WG81] Gary L. Wise and Neal C. Gallagher. A novel approach for the computation of orthonormal polynomial expansions. *Journal of Computational and Applied Mathematics*, 7(3):157–160, September 1981. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X81900127`.

Wheeler:1985:ASW

[Whe85] Frederick P. Wheeler. Aspects of the simulation of wave propagation through a clear turbulent medium. *Journal of Computational and Applied Mathematics*, 12–13(??):625–633, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042785900548`.

Wilders:1986:MEM

[Wil86] P. Wilders. The modified equation as a model of local errors in convective schemes. *Journal of Computational and Applied Mathematics*, 16(1):69–77, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786901743`.

Wimp:1987:SPO

[WKGC87] Jet Wimp, Bob Kline, Andrew Galardi, and David Colton. Some preliminary observations on an algorithm for the computation of moment integrals. *Journal of Computational and Applied Mathematics*, 19(1 (supplement 1)):117–124, July 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787901798`.

Welsh:1980:MBVa

[WO80a] Wayne Welsh and Takeo Ojika. Multipoint boundary value problems with discontinuities. I. Algorithms and applications. *Journal of Computational and Applied Mathematics*, 6(2):133–143, June 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0771050X80900078`.

Welsh:1980:MBVb

[WO80b] Wayne Welsh and Takeo Ojika. Multipoint boundary value problems with dis-

continuities II. Convergence of the initial value adjusting method. *Journal of Computational and Applied Mathematics*, 6(3):183–187, September 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900248.

Wille:1986:CCC

[WP86] L. Wille and P. Phariseau. On the computation of a certain class of Hill determinants. *Journal of Computational and Applied Mathematics*, 15(1):83–91, May 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786902402.

Wu:1989:DDT

[WW89] Changhui Wu and Song Wang. Domain decomposition technique for the continuity equations of semiconductor device models. *Journal of Computational and Applied Mathematics*, 28(??):403–412, December 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903518.

Xinmin:1988:SMS

[Xin88] Xiang Xinmin. Spectral method for solving the system of equations of Schrödinger–Klein–Gordon field. *Journal of Computational and Applied Mathematics*, 21 (2):161–171, February 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788902658.

Yamamoto:1985:UDS

[Yam85] T. Yamamoto. A unified derivation of several error bounds for Newton's process. *Journal of Computational and Applied Mathematics*, 12–13(??):179–191, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900159.

Yamamoto:1988:MTH

[Yam88] Tetsuro Yamamoto. On the method of tangent hyperbolas in Banach spaces. *Journal of Computational and Applied Mathematics*, 21(1):75–86, January 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042788903895.

Yamada:1985:NAA

[YaOIN85] Seiji Yamada, Ichi ann Ohsaki, Masatoshi Ikeuchi, and Hiroshi Niki. Non-adaptive and adaptive SAOR–CG al-

gorithms. *Journal of Computational and Applied Mathematics*, 12–13(??):635–650, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/037704278590055X`.

Yeyios:1988:EAO

[Yey88] A. K. Yeyios. An extension of the accelerated overrelaxation (AOR) theory for linear systems with Hermitian matrix. *Journal of Computational and Applied Mathematics*, 24(1–2):147–151, November 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788903494`.

Yeyios:1989:NCC

[Yey89] A. K. Yeyios. A necessary condition for the convergence of the accelerated overrelaxation (AOR) method. *Journal of Computational and Applied Mathematics*, 26(3):371–373, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042789903099`.

Ypma:1986:RNL

[Ypm86] T. J. Ypma. Relaxed Newton-like methods for stiff differential systems. *Journal of Computational and Applied Mathematics*, 16(1):95–103, September 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042786901767`.

Ypma:1987:EES

[Ypm87] T. J. Ypma. Efficient estimation of sparse Jacobian matrices by differences. *Journal of Computational and Applied Mathematics*, 18(1):17–28, April 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042787900537`.

Zabusky:1988:CSV

[Zab88] Norman J. Zabusky. Computational synergetics: visualization and vortex dynamics. *Journal of Computational and Applied Mathematics*, 22(2–3):285–295, June 1988. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL `http://www.sciencedirect.com/science/article/pii/0377042788904074`.

Zemach:1986:CMF

[Zem86] Charles Zemach. A conformal map formula for difficult cases. *Journal of Computational and Applied Mathematics*, 14(1–2):207–215, February 1986. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-

1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042786901391.

Zinober:1980:NSL

[ZH80] A. S. I. Zinober and E. Huntley. The numerical solution of linear time-dependent partial differential equations by the Laplace transform and finite difference approximations. *Journal of Computational and Applied Mathematics*, 6(4):253–258, December 1980. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0771050X80900339.

Zochowski:1989:IMV

[ZH89] A. Zochowski and P. Holnicki. Interactive method of variational grid generation. *Journal of Computational and Applied Mathematics*, 26(3):281–287, July 1989. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042789903002.

Zietak:1984:CAR

[Zie84] K. Zietak. The Chebyshev approximation of a rectangular matrix by matrices of smaller rank as the limit of l_p-approximation. *Journal of Computational and Applied Mathematics*, 11(3):297–305, December 1984. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900049.

Zlatev:1985:MMS

[Zla85] Zahari Zlatev. Mathematical model for studying the sulphur pollution over Europe. *Journal of Computational and Applied Mathematics*, 12–13(??):651–666, May 1985. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042785900561.

Zlatev:1987:SAE

[Zla87] Zahari Zlatev. A survey of the advances in the exploitation of the sparsity in the solution of large problems. *Journal of Computational and Applied Mathematics*, 20(??):83–105, November 1987. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042787901270.

Zamani:1984:FEF

[ZN84] Nader Zamani and Farhad Nafeiy. Finite element formulation of thermal boundary layers. *Journal of Computational and Applied Mathematics*, 11(1):11–26, August 1984. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL http://www.sciencedirect.com/science/article/pii/0377042784900281.