

# A Complete Bibliography of Publications in *Journal of Computational and Applied Mathematics* (1970–1979)

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## Title word cross-reference

**1978** [Kau79].  
**2** [Ano76c, BS76, WA76]. **22** [Wat78]. **25** [Ano75a].  
*A* [Ise78]. *A*<sub>0</sub> [RT79]. *C*<sup>2</sup> [Wat79].  $\Delta^2$  [Col78]. *g* [CG77]. *M* [BE79]. *n* [Dah77, vDdR76]. *q* [SD79].  
 $\tan(\zeta - k\pi) + \tanh \zeta = 0$  [SP79].  $\times$  [Bul76, Goo78b, Goo78a, Wat78].  
 $x \coth x = \alpha x^2 + 1$  [SB76b].  
**3** [SB77].  
**80** [Goo78b].  
**951** [Ano76a, Goo77a]. **951-666-069-X** [Ano76a]. **951-666-086-X** [Goo77a]. **99** [Goo77b].  
**-acceptable** [Ise78]. **-dimensional** [Dah77, vDdR76]. **-polynomials** [SD79].  
**-splines** [CG77]. **-stable** [RT79].  
**0355-2713** [Goo77a].  
**1** [Lat75, Neu77, SB76a, WA75]. **18** [Goo78a]. **1975** [dG77]. **1977** [Goo78b].  
**A-stable** [Alt78]. **A.D.I.** [AM77].  
**accelerating** [Lev75]. **acceleration** [Gen77]. **acceptable** [Ise78]. **accuracy** [AM77]. **Acta** [Ano75a, Ano75c, Ano76a, Goo77a]. **Adams**

[RT79]. **Adams-type** [RT79]. **Adaptation** [Ano75a]. **adaptive** [vDdR76]. **adjoint** [AH78, PL77]. **Agricultural** [Bul76]. **Aitken** [Col78]. **algebra** [WA75, WA76]. **algebraic** [BS78c]. **algorithm** [Abb78, BE79, BS76, De 76, Die75, Die77, MC75, Mik77, MHH75, Nou77, Pin76, SB76a, SB77, dB78, vDdR76]. **Algorithms** [O'S78, CG77]. **allocation** [Lat75]. **alternating** [AGH79]. **amplitudes** [Ano76c, CGP76]. **Amsterdam** [Wat78]. **analysis** [BM76, FK75, GMJ76, Rob77, Goo78a]. **Analytic** [Dev76]. **Analytical** [AH78, Let76a, SB76b]. **annoted** [Neu77]. **Appl** [Ano76c]. **Application** [De 79, Lon75, Dey78]. **Applications** [SB77, Ans76, DDG76, Dey77, Goo78b, Pie75, PD76, WA75, WA76]. **applied** [BF78, Mee75, NS75]. **approach** [Abd79, Hen78, Pes75, Pic76, SB78]. **approximants** [Bre76, CW79, GMJ76, Rob77, Sta79]. **approximation** [Col78, Dun79a, Dun79b, KM78, Lit78, Lon75, Neu78, Pau76, Ray77, Sid75b, Sid76]. **approximations** [Dev76, Ise78, Luk76, Oli77, Sas76]. **arbitrarily** [Ano75a]. **areas** [Kau79]. **arising** [AH78]. **aspects** [AS78]. **assignment** [Raz78]. **associated** [SD78]. **Asymptotic** [BS78b, Ans76]. **asymptotical** [SD77]. **automatic** [DP76]. **averaging** [Mel78]. **AY=F** [HMW77].

**B.V** [Bul76]. **Baker** [Pin76]. **balances** [De 79]. **bandwidth** [BE79]. **based** [BM76, CG77]. **Basic** [SB76a]. **Beckmann** [Kau79]. **behaviour** [Ans76]. **Berlin** [Goo78b, Goo78a, Kau79]. **Berry** [GV78]. **Best** [Lit78, Sid76, Dun79b, Lon75]. **between** [CK75, Rah78]. **Bibliography** [Ein79, BS78a, DP76, De 75a, DDG76, KM78, Kau79, Neu77, Pie75, PD76, Teu76].

**bifurcation** [Abb78]. **Birkhoff** [Let76a]. **blz** [Wat78]. **Bonn** [Kau79]. **Book** [Ano75a, Ano76a, Bul76, Goo77a, Goo77b, Goo78b, Goo78a, Goo78c, Kau79, Wat78, dG77]. **Borel** [BS76]. **Born** [Col78, Ray77]. **boundary** [Aga79a, Gra77, JS78, Wat78, WC79]. **boundary-value** [JS78]. **bounded** [Mav79, Pau76]. **bounds** [AH78]. **branch** [Ano76c, CGP76]. **Bromwick** [Lev75]. **buckling** [BF78].

**calculating** [Mik77, Pin76, dB78]. **Calculation** [DP77, HM79]. **Centre** [Bul76, Goo77b, Wat78]. **Centrum** [Goo77b, Wat78]. **certain** [Abb78, BS78c, MV79]. **change** [RM78]. **characteristics** [CG77, SD76]. **Chebyshev** [Dun79a, Luk76, Oli77, Sal77a, Sid75a]. **choice** [Dan76]. **Choosing** [CL77]. **class** [Ver77]. **classified** [Kau79]. **Clenshaw** [BP75]. **Clique** [MC75]. **clock** [FK75]. **closing** [De 79]. **cm** [Bul76, Goo78b, Goo78a, Wat78]. **coefficient** [De 75c]. **coefficients** [AM77, DP77, JC78]. **collocation** [AR79]. **combinations** [Ise78]. **combined** [Dev76]. **Company** [Goo78c]. **comparative** [Hen78]. **Comparing** [vdHSV79]. **comparison** [CK75, NH76, Rob79]. **Compiled** [Kau79]. **complex** [SW77]. **complexity** [Hou78, Mee75]. **component** [BS76]. **compound** [GV78]. **compressed** [BF78]. **Comput** [Ano76c]. **Computation** [Bre76, Dah77, Ebe77, Eva77, LR79, Let76b, PB75, Sid75a, Abe78, CW79, Mik75, SW77]. **computational** [AS78, Mee75, Neu77, PP75]. **Computations** [GJ79]. **Computer** [Ano76a, Goo77a, Gre77, GC78]. **Computing** [Ano75a, Ano75c, Han79, Ano76c, Bul79, CGP76, Cla75]. **condition** [Raz76]. **conditions** [SD76]. **connected** [GJ79]. **consistent** [Pes75]. **constants**

- [GJ79]. **constraints** [De 79, KL75]. **Construction** [Lew79, GM77, Let78, PL77]. **Contents** [Ano75b, Ano76b, Ano77b, Ano78]. **continuation** [Dev76]. **continued** [BS78b, Bre76, Mik77, MO78, SB78, dB78]. **Continuous** [Sny79]. **control** [Alt78, Ano76a, FK75]. **controller** [Goo77a]. **convergence** [Gen77, Lev75, Sac79]. **convergent** [HMW77]. **coordinate** [Mel78]. **correct** [RZ76]. **correctors** [RT79]. **Coulomb** [Pic76]. **coupled** [Dek77, Dey78, O'S78]. **covariant** [Rob77]. **cover** [Kau79]. **Crane** [Goo78a]. **credibility** [DDG76]. **Cubature** [PH75]. **cubatures** [Wil78]. **cube** [vDdR76]. **cubic** [Die77, DP77, Sas76]. **cumulatively** [Mav79]. **Current** [Ano77a]. **Curtis** [BP75]. **curves** [Joh77]. **customers** [Lat75]. **CUSUM** [RM78]. **cuts** [Ano76c, CGP76]. **cyclic** [De 75c].
- D** [Goo78c]. **data** [Die75, Ein77]. **decision** [Pes75]. **definite** [De 76]. **definiteness** [Spi77]. **Degree** [Wil78, PH75]. **delays** [Raz78]. **density** [SD76]. **derivation** [De 76]. **derivative** [GM77, vdHSV79]. **derived** [Pin76]. **design** [Goo77a]. **detecting** [RM78]. **detection** [MC75]. **determinant** [Mik75]. **determination** [Abb78, Nou75, Nou77, SS76]. **DFP** [RZH75]. **DFP-method** [RZH75]. **difference** [JS78, Sal77b, Sas76]. **different** [Bul79, Cla75, IKS79]. **differential** [Aga79b, Alt78, Ano75c, AH78, Dek77, EF77, GM79, Hou78, Lit78, MV79, O'S78, SW77, Wam76, Goo78b]. **differentiation** [Die75]. **differing** [Gre77]. **diffusion** [EG79]. **dimensional** [AGH79, Dah77, GM78, Sas76, vDdR76]. **dimensions** [GM77, vdHSV79]. **directed** [MC75]. **direction** [AGH79]. **Dirk** [Kau79]. **discontinuous** [Sny79, WC79]. **discrete** [DP77]. **discretizing** [AH78]. **disk** [Rah78]. **divergent** [BS76, SB76a, SB77]. **divisibility** [Goo77b]. **DM** [Goo78b, Goo78a, Kau79]. **Documentation** [Bul76]. **domains** [AR79]. **double** [Let76b, Rob77]. **ducts** [CB76]. **dynamics** [Dey77, Dey78].
- E.A.D.I.** [AGH79]. **Economics** [Kau79, dG77]. **Edited** [Kau79, Wat78]. **Editorial** [PW75, Wuy79]. **Editors** [Kau79, Goo78b, PW77, dG77]. **efficient** [Abb78, Spi77]. **eigen** [SD76]. **eigen-value** [SD76]. **eigenfunctions** [PL77]. **eigenvalue** [AH78]. **eigenvalues** [BO77, Eva77, HM79, SW77]. **eigenvectors** [Eva77]. **elastica** [BF78]. **elements** [Bul79, Cla75, Sac79]. **eleven** [PH75]. **elliptic** [AH78, AGH79, GM77, GM79, Hou78]. **engineering** [Raz76, WA75, WA76, Goo78c]. **Enschede** [Goo78b]. **equality** [De 79]. **equation** [BW78, HMW77, NH76]. **equations** [Alt78, AM77, Ans76, AH78, AS78, BS78c, CK75, Dek77, Dey77, EF77, GM77, GM79, HM79, Hou78, Lit78, MV79, O'S78, Sas76, Ver77, Wam76, vdHSV79]. **equiconvergence** [GJ79]. **Erkki** [Ano75a]. **Erratum** [Ano76c]. **error** [Oli79, Sal77b]. **errors** [Oli77]. **Esseen** [GV78]. **estimating** [Abd79]. **estimation** [Ano75c]. **evaluation** [BDG75, Ein79, Oli79]. **evolution** [GC78]. **exact** [Abe78, SB76b]. **expansions** [Luk76]. **experiment** [KL75]. **experimental** [Die75]. **experiments** [RZH75]. **Explicit** [Sta79]. **exponential** [Dun79a, KM78, Sid75b]. **exponential-polynomial** [Dun79a]. **exponentially** [Ise78]. **extension** [BP75, HM79]. **extrapolated** [AGH79].
- F** [Goo77b, Wat78]. **feature** [BO77]. **Feynman** [Ano76c, CGP76]. **Fifth** [CG77]. **fig** [Goo78b]. **Finite** [Sas76, Ano75a]. **fitted** [Ise78]. **fitting** [Die77]. **five** [BE79]. **five-term** [BE79]. **Fixed** [Wat79]. **flow** [CB76, Rah78]. **fluid** [Dey77, Dey78]. **form**

- [Sal76, WA75, WA76]. **formula** [JC78, Nou75]. **formulas** [DS77, Let77, PH75, Sal77b, Sta79]. **Fortran** [BW78]. **Fourier** [DP77]. **fourth** [AM77]. **fraction** [MO78]. **fractions** [BS78b, Bre76, Mik77, SB78, dB78]. **function** [BS78b, Lon75, RZH75, SD78, Sid76, Wam77]. **functional** [Ans76]. **functionals** [Pau76]. **functions** [BDG75, Die75, Die77, DP77, Kle79, Let76a, Let77, MHH75, RM78, Sid75b]. **fuzzy** [De 75a].
- G** [Goo78b, dG77]. **game** [Goo77a]. **games** [Goo78b]. **gamma** [BS78b]. **Gauss** [Let78]. **Gaussian** [LR79, Sal76, Wil78]. **Gaussian-type** [Sal76]. **general** [AR79, BE79, SD79]. **generalization** [MO78]. **Generalized** [Dek77, Miz75a, Miz75b, SB78, Chi79, dB78]. **generating** [Ein77]. **graphs** [MC75]. **Gustafsson** [Ano76a].
- H** [Bul76, Goo78b, Kau79]. **Haar** [Van79]. **Hagedorn** [Goo78b]. **Hämäläinen** [Goo77a]. **Hamiltonian** [SD76]. **Hausman** [Kau79]. **Heidelberg** [Kau79]. **Helsinki** [Ano76a]. **Hemker** [Wat78]. **Hermite** [Miz75a, Miz75b, Neu78]. **Hessian** [Spi77]. **High** [AM77, Axe75]. **High-order** [Axe75]. **Higher** [JS78]. **Hilbert** [Pau76]. **Hill** [HM79, PL77]. **Hopscotch** [EG79, GM79, GM77, GM78]. **Householder** [Dan76]. **hyperbolic** [Dek77]. **hyperosculatory** [Sal77a].
- IBMSSP** [CK75]. **ill** [Kle79]. **ill-posed** [Kle79]. **illustrations** [SB76a]. **Implementation** [EG79]. **Implicit** [Mel79, AGH79]. **improved** [CG77]. **improvement** [Nou77]. **IMSL** [CK75]. **index** [Ano77a]. **inequalities** [Ein77, Han79]. **infinite** [Goo77b]. **information** [Pes75]. **inhomogeneous** [CD78]. **inner** [Pau76]. **input** [Raz78]. **Institut** [Kau79]. **Institute** [dG77]. **Integer** [Kau79]. **integrable** [Sid75b]. **Integral** [PP75, Lev75]. **integrals** [BDG75, Let76b, PB75]. **integration** [DP76, Die75, EF77, Rob79, Ver77, Wuy75, vDdR76]. **integrators** [vdHSV79]. **interactions** [Gre77]. **interdependent** [BM76]. **interior** [Han79]. **International** [dG77]. **interpolating** [Neu78]. **Interpolation** [Joh77, BM78, De 75b, MHH75, Sal77a]. **Interval** [BS78a, BM78]. **Interval-mathematics** [BS78a]. **intervals** [Van79]. **introduction** [Goo78a, KL75]. **invariant** [Pau76]. **Inverse** [Sal77a]. **inverses** [DS77]. **inversion** [Hen78, JC78, Lev75, Lon75, Pie75, PD76, Sid76]. **ISBN** [Ano76a, Goo77a]. **ISSN** [Goo77a]. **Italy** [dG77]. **iteration** [IKSN79, Nou75]. **iterative** [Dey77, Dey78].
- J** [Ano76c, Goo78b, Goo78a]. **Jacobi** [IKSN79, Raz76, SD77, SD78]. **junction** [CD76]. **June** [dG77]. **Jussi** [Ano75c].
- Karel** [Goo78c]. **Karup** [De 75b]. **kernel** [Dev76]. **Knobloch** [Goo78b]. **known** [De 77]. **Kohonen** [Ano75a]. **Künzi** [Kau79]. **Kutta** [Dek77, Ver77].
- laminar** [CB76]. **Laplace** [Dah77, Hen78, JC78, Lev75, Lon75, Pic76, Pie75, PD76, Sal77a, Sid76]. **Laplace-transform** [Pic76]. **Least** [De 79, JC78, De 75c, DS77, Die77]. **least-squares** [Die77]. **Lecture** [Kau79, dG77]. **Legendre** [Let78]. **Lemoine** [Goo78a]. **Letter** [PW77]. **level** [AGH79]. **Levinson** [De 76]. **linear** [Ano75a, Ano75c, Ano76a, BE79, BO77, CK75, De 76, De 79, Ein77, EF77, FK75, Han79, MV79, NH76, NS75, Pau76, SW77, WC79, WA75].

**LINSYS** [CK75]. **local** [Joh77]. **Locally** [GM78]. **Longman** [Pin76]. **look** [Bul79, Cla75]. **loop** [RM78]. **Low** [RT79]. **Low-order** [RT79].

**M** [Goo78a, Kau79, Lat75, Lat75]. **M/M/1** [Lat75]. **Machinery** [Ano75a, Ano75c]. **maintenance** [Spi77]. **maps** [Wat79]. **Marchesini** [dG77]. **Markov** [Teu76]. **Massachusetts** [dG77]. **masses** [Gre77]. **Math** [Ano76c]. **Mathematical** [BM76, Goo77b, Kau79, Wat78, CD76, CD78, dG77, dG77]. **Mathematics** [Ano75a, Ano75c, Ano76a, Goo77a, BS78a, Goo78c]. **Mathematisch** [Goo77b, Wat78]. **matrices** [AH78, Dan76, SD77, SD78, WA76]. **matrix** [De 75c, De 76, Eva77, HMW77, IKS79, Mik75, SD76, Sta79, WA75, WA76]. **matrix-valued** [Sta79]. **Matti** [Ano75a]. **mechanics** [PP75]. **media** [IKSN79]. **mesh** [Die77]. **method** [Abe78, Ano76c, AR79, BW78, BF78, CGP76, Col78, De 75b, De 75c, Gen77, Goo78a, HM79, HMW77, Mel78, Nou77, Sac79, SW77, NS75, RZH75, Goo77a]. **methods** [Alt78, AM77, AGH79, Axe75, Bul79, Cla75, CL77, Dek77, Dev76, Goo78c, GM77, GM78, GM79, Hou78, JS78, Lit78, Spi77, Ver77, Wam76, WC79]. **Minimal** [Sal77b]. **minimization** [RZH75]. **Mitter** [dG77]. **mixed** [GM77, vdHSV79]. **mixing** [Goo77b]. **model** [BS76, CD76, CD78]. **models** [Abd79]. **Modified** [Let77, LR79, Lew79]. **moments** [LR79, Lew79]. **Muller** [BW78]. **multidimensional** [Gen77]. **multipoint** [Aga79a]. **multistep** [EF77]. **multivariable** [Ano76a]. **Multivariate** [BM78].

**near** [Sal77a]. **near-Chebyshev** [Sal77a]. **nearby** [Let77]. **Newton** [Spi77]. **Newton-type** [Spi77]. **No** [Ano75a, Ano75c, Ano76a, Goo77a]. **nodes** [Sal77a]. **non**

[Abd79, Ano75c, CW79, De 79, FK75, NH76]. **non-linear** [Ano75c, De 79, FK75, NH76]. **non-normal** [CW79]. **non-stationary** [Abd79]. **Nonlinear** [CD76, CD78, Mav79, Wam76, WA75, WA76, Aga79b, BW78, Dey77, Dey78, Gen77, Goo77a, Wuy75, Bul76]. **nonsymmetric** [NS75]. **normal** [CW79]. **normalised** [BE79]. **note** [BDG75, Wuy79]. **Notes** [Kau79, dG77]. **Nourein** [Nou77]. **numbers** [Abe78, GJ79]. **Numerical** [CB76, Lev75, RZH75, WC79, Wuy75, Aga79a, AGH79, AS78, BDG75, Ein79, EF77, EG79, Gra77, Hou78, Lit78, Pie75, PD76, Rah78, Rob79, RZ76, Sac79, Sny79, SU75, Ver77, Wat78, vDdR76]. **numerically** [Spi77].

**occurring** [Ano75a]. **ODE'S** [CL77]. **Oja** [Ano75a]. **Ökonometrie** [Kau79]. **Olsder** [Goo78b]. **one** [Alt78, GM78, Sas76]. **one-dimensional** [GM78, Sas76]. **one-step** [Alt78]. **open** [RM78]. **Operations** [Kau79]. **operators** [PL77]. **Optimal** [Lat75, Ano76a, Ebe77, FK75, Pau76, Goo77a]. **optimization** [Han79, Bul76]. **optimizing** [Raz76]. **Orava** [Ano75c]. **order** [Aga79b, AM77, AH78, AGH79, Axe75, CG77, JS78, O'S78, RT79, Ano75a]. **ordinary** [Alt78, EF77, MV79, O'S78, Wam76]. **orthogonal** [Chi79, SD79, SS76]. **orthogonality** [Sal76]. **oscillating** [BDG75, PB75]. **oscillatory** [EF77]. **osculatory** [Sal77a].

**P** [Goo77a, Goo78b, Kau79, Wat78, Goo78a]. **packages** [CK75]. **Padé** [Bul79, Bre76, Cla75, CW79, Dev76, Ise78, Pin76, Sid75a, Sta79]. **Padua** [dG77]. **pages** [Kau79, Bul76, dG77]. **parabolic** [AM77, AR79, Axe75, AS78, GM77, Sas76, Ver77, vdHSV79]. **parameter** [Bul76]. **parameters** [Abd79, KL75]. **Part**

- [BS76, Neu77, SB76a, SB77, WA75, WA76]. **partial** [AH78, GM79, Hou78]. **particles** [Gre77]. **patterns** [Ano75a]. **PECE** [CG77]. **pentadiagonal** [Mik75]. **performance** [CK75]. **periodic** [Aga79b, MV79, PL77]. **perturbation** [BF78, FK75]. **perturbations** [Mel79]. **Perturbed** [Dey77, Dey78]. **Ph.** [Bul76]. **PI** [Ano76a]. **PI-control** [Ano76a]. **pipes** [CB76]. **planar** [PH75]. **plane** [Wil78]. **planetary** [GC78]. **planetary-type** [GC78]. **plans** [Ebe77]. **Plotting** [Wam77]. **point** [Gra77, Han79, JS78, Wat78, WC79]. **points** [Abb78, Wat79]. **Poisson** [GV78]. **pole** [Raz78]. **poles** [Let77]. **Polynomial** [WA76, Ano75c, Dun79a, Nou75, Nou77, Oli79]. **polynomials** [Chi79, Miz75a, Miz75b, Sal77a, SD79, Van79]. **Polytechnica** [Ano75a, Ano75c, Ano76a, Goo77a]. **population** [SU75]. **posed** [Kle79]. **positive** [De 76, Spi77]. **Post** [KL75]. **Post-experiment** [KL75]. **power** [Rob77]. **powerful** [RZH75]. **pp** [Ano76a, Goo78c]. **prescribed** [SD76]. **Preservation** [Goo77b]. **price** [Goo78b, Goo78a, Wat78]. **priority** [Lat75]. **probabilistic** [Pes75]. **probability** [Neu77]. **problem** [Abd79, Lap78, Pic76, Raz76, Sny79]. **problems** [Aga79a, AR79, AGH79, Axe75, EG79, FK75, Gra77, JS78, Kle79, WC79]. **procedures** [Pes75]. **Proceedings** [Goo78b, dG77]. **processes** [GV78, Teu76]. **processing** [Pes75]. **product** [Pau76]. **program** [BW78]. **programming** [Kau79, Mav79]. **programs** [Dun79b, Rob79]. **proof** [De 77]. **propagation** [Oli79]. **Proposal** [SU75]. **pseudo** [DS77]. **pseudo-inverses** [DS77]. **published** [Dun79b]. **Publishing** [Bul76, Goo78c].
- quadratfrei** [GJ79]. **quadrature** [BP75, JC78, LR79, Let76a, Let77, Let78, Sal76, SU75]. **qualification** [Pes75].
- quantal** [Pic76]. **quantum** [PP75]. **quasilinear** [AR79]. **queue** [Lat75]. **queues** [BM76]. **quindiagonal** [Eva77]. **quintic** [MHH75].
- radiation** [Ebe77]. **radius** [IKSN79]. **Raimo** [Goo77a]. **rapidly** [HMW77]. **ratio** [BS78b]. **rational** [Abe78, GMJ76, Lon75, Luk76, Sid76]. **rectangle** [Die77]. **rectangular** [De 75c, IKSN79]. **rectilinear** [Die77]. **recurrence** [Lew79]. **recursive** [Mik75]. **refined** [Col78, Ray77]. **regerative** [Goo78a]. **region** [IKSN79]. **regions** [PH75]. **regularization** [Kle79]. **Reidel** [Goo78c]. **Rektorys** [Goo78c]. **related** [Chi79, Goo77b, Kau79]. **relation** [Lew79]. **relaxed** [NS75]. **Remark** [Bul79]. **reproducing** [Dev76]. **Research** [Kau79]. **result** [De 77, MV79]. **Review** [Ano75a, Ano76a, Bul76, Goo77a, Goo77b, Goo78b, Goo78a, Goo78c, Kau79, Wat78, dG77]. **Riccati** [SW77]. **risk** [De 77]. **rivers** [CD76, CD78]. **role** [BO77]. **rotating** [Rah78]. **rotation** [Pau76]. **rotationally** [Rob77]. **Rounding** [Oli79, Oli77]. **rules** [LR79, Let78]. **Runge** [Dek77, Ver77]. **Ruohonen** [Ano75a].
- S** [dG77]. **salesman** [Lap78]. **Scandinavica** [Ano75a, Ano75c, Ano76a, Goo77a]. **scheme** [EF77]. **schemes** [Oli79, Pin76]. **Schrödinger** [HM79]. **Science** [Ano76a, Goo77a, Goo78c]. **second** [Aga79b, AH78, AGH79, JS78, O'S78]. **second-order** [O'S78]. **selection** [BO77]. **self** [AH78, PL77]. **self-adjoint** [AH78, PL77]. **semi** [BE79, Teu76]. **semi-bandwidth** [BE79]. **semi-Markov** [Teu76]. **sensitivity** [Oli77]. **sequence** [Sac79]. **sequences** [Gen77]. **seriation** [Lap78]. **Series** [Ano76a, Goo77a, Abd79, Ano75a, Ano75c, BS76, BS78b, CL77, Oli77, Rob77, SB76a, SB77, Sid75b]. **set** [Ano75a].

**sets** [De 75a]. **shock** [RZ76]. **shuttle** [BM76]. **signs** [Dan76]. **simplified** [Pin76]. **simulation** [Goo78a]. **simultaneous** [Nou75, Nou77, Sac79]. **single** [Raz78]. **single-input** [Raz78]. **sixth** [CG77]. **size** [Alt78]. **smoothing** [Die75]. **Soft** [Kau79]. **software** [Ein79]. **solution** [Aga79a, AGH79, AS78, BE79, BS78c, De 75c, Dey77, Dey78, EG79, Gra77, HMW77, Lit78, O'S78, Rah78, SB76b, SP79]. **solutions** [Aga79b, DS77, EF77, Sny79]. **solvers** [NH76]. **Solving** [Ein77, BW78, CK75, CL77, De 76, EF77, Wam76]. **Some** [AS78, Neu78, SD76]. **SOR** [NS75]. **SOR-method** [NS75]. **space** [GM77, Joh77, vdHSV79]. **spaces** [Pau76]. **spectral** [Abd79, IKS79]. **spectrum** [SD77, SD78]. **speed** [RZ76]. **spline** [Die75, Die77, Kle79, Sas76]. **splines** [CG77, DP77, MHH75, Neu78]. **Sprague** [De 75b]. **Springer** [Goo78b, Goo78a, Kau79, dG77]. **Springer-Verlag** [Goo78b, Goo78a, Kau79]. **square** [Sid75b]. **square-integrable** [Sid75b]. **squares** [De 75c, DS77, De 79, Die77, JC78]. **stability** [CG77]. **stabilized** [Ver77]. **stable** [Alt78, RT79, Spi77]. **State** [Ano75c]. **stationary** [Abd79, Rah78]. **statistical** [Kle79]. **statistics** [Ano77a]. **Sten** [Ano76a]. **step** [Alt78, Ver77]. **step-size** [Alt78]. **stepsize** [CL77]. **Steutel** [Goo77b]. **Stichting** [Goo77b, Wat78]. **Stieltjes** [BS78b, Chi79, MO78]. **Stieltjes-type** [MO78]. **stiff** [Alt78, Wat78]. **stochastic** [RM78]. **Stol** [Bul76]. **strongly** [BDG75]. **studies** [CB76, Gre77, GC78, SU75]. **study** [CK75, Wat78]. **subroutine** [CK75]. **summability** [BS76]. **summing** [BS76, SB76a, SB77]. **sums** [Dun79a, KM78]. **supplement** [PD76]. **surfaces** [Die77]. **survey** [Dun79b, Mee75]. **symmetric** [BE79, De 76, Eva77, PH75]. **Symposium** [dG77]. **system** [Ano75a, BM76, Ein77, SD79]. **Systems** [Kau79, Aga79b, Alt78, Ano75c, BE79, CK75, De 75c, De 76, Dek77, Dey78, EF77, NS75, O'S78, RM78, Raz78, SW77, dG77, Ano76a]. **tab** [Goo78b]. **table** [Bul79, Cla75, Pin76, Sid75a]. **Tauberian** [GJ79]. **Taylor** [CL77]. **technique** [EG79, RZH75, Sas76, Spi77]. **techniques** [Mee75, Wuy75]. **Technology** [dG77]. **term** [BE79]. **terms** [SD78]. **test** [Ein77, RM78]. **Teuvo** [Ano75a]. **Th** [Bul76]. **theorem** [Ans76, GV78]. **theoretic** [Goo77a]. **Theory** [WA75, Ano76a, BO77, DDG76, De 77, SB76a, dG77]. **Three** [AGH79, Ise78, Ver77]. **Three-level** [AGH79]. **three-step** [Ver77]. **tidal** [CD76, CD78]. **time** [Abd79, FK75, Raz78, vdHSV79]. **time-delays** [Raz78]. **Toeplitz** [De 76]. **tools** [PP75]. **topics** [Goo77b]. **Tracts** [Goo77b, Wat78]. **transfer** [RM78]. **transform** [Hen78, JC78, Lev75, Lon75, Pic76, Pie75, PD76, Sid76]. **transformation** [SW77, SS76]. **transforms** [Dah77, PP75, Sal77a]. **translation** [Pau76]. **travelling** [Lap78]. **treatment** [Ebe77]. **triangle** [Let76b]. **trigonometric** [Sal76, Van79]. **Troesch** [Sny79]. **two** [AGH79, BM76, BS76, GM77, Gra77, GMJ76, IKS79, JS78, Lat75, MO78, Wam77, Wat78, WC79, Wil78, vdHSV79]. **two-component** [BS76]. **two-dimensional** [AGH79]. **two-point** [JS78, Wat78]. **two-variable** [MO78]. **type** [Ano75c, GC78, MO78, RT79, Sal76, Spi77]. **types** [Lat75]. **Udine** [dG77]. **Uniform** [Neu78]. **University** [Kau79]. **unstable** [Gra77]. **updating** [DS77]. **USA** [dG77]. **Use** [FK75]. **useful** [MV79]. **using** [Die75, DP77, Han79, MHH75, Rob77, Sal77a, Sas76, Sid76, Wuy75].

**value** [Aga79a, Gra77, JS78, SD76, WC79].  
**valued** [Sta79]. **values** [Wat78]. **variable**  
 [AM77, GMJ76, MO78]. **variables**  
 [Mav79, Wam77]. **Variational** [Goo78c].  
**varying** [Ano75a]. **Veenman** [Bul76].  
**Verlag** [Goo78b, Goo78a, Kau79, dG77].  
**Vol** [Kau79, dG77]. **volume**  
 [Ano75b, Ano76b, Ano77b, Ano78].

**W** [Goo77b, Goo78b, Wat78]. **Wageningen**  
 [Bul76]. **weight** [SD78]. **Whittaker** [SB78].  
**Wigert** [Chi79]. **window** [Sid76].  
**workshop** [Goo78b].

**X** [Ano76a, Goo77a]. **XA** [HMW77]. **xiv**  
 [Kau79].

**York** [Kau79, dG77]. **Young** [Let76a].

**zeroes** [Nou77]. **zeros** [Nou75]. **Zonen**  
 [Bul76].

## References

**Abbott:1978:EAD**

[Abb78] James P. Abbott. An efficient algorithm for the determination of certain bifurcation points. *Journal of Computational and Applied Mathematics*, 4(1):19–27, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900153>.

**Abdrabbo:1979:NAP**

[Abd79] N. A. Abdrabbo. A new approach to the problem of estimating spectral parameters of non-stationary time series models. *Journal of Computational and Applied Mathematics*, 5(2):125–129,

June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900081>.

**Aberth:1978:MEC**

[Abe78]

Oliver Aberth. A method for exact computation with rational numbers. *Journal of Computational and Applied Mathematics*, 4(4):285–288, December 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7890027X>.

**Agarwal:1979:NSM**

[Aga79a]

Ravi P. Agarwal. The numerical solution of multipoint boundary value problems. *Journal of Computational and Applied Mathematics*, 5(1):17–24, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900226>.

**Agarwal:1979:PSN**

[Aga79b]

Ravi P. Agarwal. On periodic solutions of nonlinear second order differential systems. *Journal of Computational and Applied Mathematics*, 5(2):117–123, June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7990007X>.



- [AGH79] **Avdelas:1979:TLE** G. Avdelas, S. Galanis, and A. Hadjidimos. Three-level extrapolated alternating direction implicit (E.A.D.I.) methods for the numerical solution of two-dimensional second order elliptic problems. *Journal of Computational and Applied Mathematics*, 5(4):269–275, December 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900433>.
- [AM77] **Andrade:1977:HAD** Celia Andrade and S. McKee. High accuracy A.D.I. methods for fourth order parabolic equations with variable coefficients. *Journal of Computational and Applied Mathematics*, 3(1):11–14, March 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900195>.
- [AH78] **Avdelas:1978:AEB** G. Avdelas and A. Hadjidimos. Analytical eigenvalue bounds for matrices arising when discretizing the self-adjoint second order elliptic partial differential equations. *Journal of Computational and Applied Mathematics*, 4(3):207–211, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900062>.
- [Ano75a] **Anonymous:1975:BRA** Anonymous. Book review: *Adaptation of a linear system to a finite set of patterns occurring in an arbitrarily varying order*: Teuvo Kohonen, Erkki Oja and Matti Ruohonen; Acta Polytechnica Scandinavica, Mathematics and Computing Machinery series No. 25. *Journal of Computational and Applied Mathematics*, 1(1):50, March 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900078>.
- [Alt78] **Alt:1978:SOS** René Alt. A-stable one-step methods with step-size control for stiff systems of ordinary differential equations. *Journal of Computational and Applied Mathematics*, 4(1):29–35, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900165>.
- [Ano75b] **Anonymous:1975:CV** Anonymous. Contents of volume 1, 1975. *Journal of Computational and Applied Mathematics*, 1(4):289, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900212>.

**Anonymous:1975:SEP**

- [Ano75c] Anonymous. State estimation of polynomial type non-linear differential systems: Jussi orava; acta polytechnica scandinavica, mathematics and computing machinery series no. 25. *Journal of Computational and Applied Mathematics*, 1(4):246, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900145>.

**Anonymous:1976:BRT**

- [Ano76a] Anonymous. Book review: *A theory for optimal PI-control of multivariable linear systems*: Gustafsson, Sten E.: Acta Polytechnica Scandinavica, Mathematics and Computer Science Series No. 27. Helsinki 1975. 31 pp. ISBN 951-666-069-X. *Journal of Computational and Applied Mathematics*, 2(3):218, September 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900061>.

**Anonymous:1976:CV**

- [Ano76b] Anonymous. Contents of volume 2, 1976. *Journal of Computational and Applied Mathematics*, 2(4):282, December 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900516>.

**Anonymous:1976:EMC**

- [Ano76c] Anonymous. Erratum: A method for computing Feynman amplitudes with branch cuts [J. Comput. Appl. Math. 2(2) 73–76 (1976)]. *Journal of Computational and Applied Mathematics*, 2(3):218, September 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900073>. See [CGP76].

**Anonymous:1977:CIS**

- [Ano77a] Anonymous. 1976 current index to statistics. *Journal of Computational and Applied Mathematics*, 3(4):298, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800265>.

**Anonymous:1977:CV**

- [Ano77b] Anonymous. Contents of volume 3, 1977. *Journal of Computational and Applied Mathematics*, 3(4):299, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800277>.

**Anonymous:1978:CV**

- [Ano78] Anonymous. Contents of volume 4, 1978. *Journal of Computational and Applied Mathematics*, 4(4):obc, December 1978.

- CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7890030X>. [Axe75]
- Ansari:1976:TAB**
- [Ans76] J. S. Ansari. A theorem on asymptotic behaviour of functional equations and its applications. *Journal of Computational and Applied Mathematics*, 2(1):35–39, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900371>.
- Ascher:1979:CMP**
- [AR79] U. Ascher and J. B. Rosen. A collocation method for parabolic quasilinear problems on general domains. *Journal of Computational and Applied Mathematics*, 5(3):183–191, September 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0377042779900049>.
- Axelsson:1978:SCA**
- [AS78] Owe Axelsson and Trond Steihaug. Some computational aspects in the numerical solution of parabolic equations. *Journal of Computational and Applied Mathematics*, 4(2):129–142, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900372>.
- Axelsson:1975:HOM**
- O. Axelsson. High-order methods for parabolic problems. *Journal of Computational and Applied Mathematics*, 1(1):5–16, March 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900029>.
- Breesch:1975:NNE**
- [BDG75] P. Breesch, J. De Kerf, and M. Goovaerts. A note on the numerical evaluation of integrals over strongly oscillating functions. *Journal of Computational and Applied Mathematics*, 1(1):47–49, March 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900066>.
- Benson:1979:NAS**
- [BE79] A. Benson and D. J. Evans. A normalised algorithm for the solution of symmetric general five-term linear systems of semi-bandwidth  $M$ . *Journal of Computational and Applied Mathematics*, 5(4):299–304, December 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900470>.
- Berkey:1978:PMA**
- [BF78] Dennis D. Berkey and Marvin I. Freedman. A perturbation method applied to the buckling of

- a compressed elastica. *Journal of Computational and Applied Mathematics*, 4(3):213–221, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900098>. ■
- [BM76] Haluk Bekiroğlu and Keith L. McRoberts. Mathematical analysis of a shuttle system based on two interdependent queues. *Journal of Computational and Applied Mathematics*, 2(3):195–206, September 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900048>. ■
- [BM78] G. P. Bhattacharjee and K. L. Majumder. Multivariate interval interpolation. *Journal of Computational and Applied Mathematics*, 4(4):295–300, December 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900293>. ■
- [BO77] D. R. Brown and M. J. O’Malley. The role of eigenvalues in linear feature selection theory. *Journal of Computational and Applied Mathematics*, 3(4):243–249, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800150>. ■
- [BP75] Maria Branders and Robert Piessens. An extension of Clenshaw–Curtis quadrature. *Journal of Computational and Applied Mathematics*, 1(1):55–65, March 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900091>. ■
- [Bre76] Claude Brezinski. Computation of Padé approximants and continued fractions. *Journal of Computational and Applied Mathematics*, 2(2):113–123, June 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900152>. ■
- [BS76] K. O. Bowman and L. R. Shenton. A new algorithm for summing divergent series. Part 2: a two-component Borel summability model. *Journal of Computational and Applied Mathematics*, 2(4):259–266, December 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900486>. ■
- Branders:1975:ECC**
- Bekiroglu:1976:MAS**
- Bhattacharjee:1978:MII**
- Brown:1977:REL**
- Brezinski:1976:CPA**
- Bowman:1976:NAS**

**Bierbaum:1978:BIM**

- [BS78a] Fritz Bierbaum and Klaus-Peter Schwiertz. A bibliography on interval-mathematics. *Journal of Computational and Applied Mathematics*, 4(1):59–86, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900219>.

**Bowman:1978:ASS**

- [BS78b] K. O. Bowman and L. R. Shenton. Asymptotic series and Stieltjes continued fractions for a gamma function ratio. *Journal of Computational and Applied Mathematics*, 4(2):105–111, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900347>.

**Burniston:1978:SCA**

- [BS78c] E. E. Burniston and C. E. Siewert. On the solution of certain algebraic equations. *Journal of Computational and Applied Mathematics*, 4(1):37–39, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900177>.

**Bultheel:1976:BRP**

- [Bul76] A. Bultheel. Book review: Ph. Th. Stol, *Nonlinear parameter optimization*: H. Veenman en Zonen B.V., Centre for Agricul-

tural Publishing and Documentation, Wageningen 1975, 24 cm × 17 cm, 197 pages. *Journal of Computational and Applied Mathematics*, 2(1):70, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900437>.

**Bultheel:1979:RNL**

A. Bultheel. Remark on “A new look at the Padé table and different methods for computing its elements” [2]. *Journal of Computational and Applied Mathematics*, 5(1):67, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900305>. See [Cla75].

**Barrodale:1978:FPS**

I. Barrodale and K. B. Wilson. A Fortran program for solving a nonlinear equation by Muller’s method. *Journal of Computational and Applied Mathematics*, 4(2):159–166, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900414>.

**Crane:1976:NSL**

- [CB76] C. M. Crane and D. M. Buley. Numerical studies of laminar flow in ducts and pipes. *Journal of Computational and Ap-*

- plied Mathematics*, 2(2):95–111, June 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900140>. [CGP76]
- Chatterjee:1976:NMM**
- [CD76] Anadi Kumar Chatterjee and Lokenath Debnath. Nonlinear mathematical model of the junction of tidal rivers. *Journal of Computational and Applied Mathematics*, 2(1):13–18, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900334>.
- Chatterjee:1978:NMM**
- [CD78] Anadi Kumar Chatterjee and Lokenath Debnath. Nonlinear mathematical model of inhomogeneous tidal rivers. *Journal of Computational and Applied Mathematics*, 4(3):223–227, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900104>. [CK75]
- Cook:1977:FSO**
- [CG77] A. E. Cook and R. D. Gibson. Fifth and sixth order PECE algorithms based on  $g$ -splines with improved stability characteristics. *Journal of Computational and Applied Mathematics*, 3(2):85–87, June 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7790002X>.
- Chisholm:1976:MCF**
- J. S. R. Chisholm, A. C. Genz, and M. Pusterla. A method for computing Feynman amplitudes with branch cuts. *Journal of Computational and Applied Mathematics*, 2(2):73–76, June 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900103>. See erratum [Ano76c].
- Chihara:1979:GSW**
- [Chi79] T. S. Chihara. On generalized Stieltjes–Wigert and related orthogonal polynomials. *Journal of Computational and Applied Mathematics*, 5(4):291–297, December 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900469>.
- Chan:1975:PCS**
- Chorkin Chan and Melvin Klassen. A performance comparison study between subroutine packages LIN-SYS, IBMSSP and IMSL for solving systems of linear equations. *Journal of Computational and Applied Mathematics*, 1(2):111–113, June 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900285>.

- Corliss:1977:CST**
- [CL77] George Corliss and David Lowery. Choosing a stepsize for Taylor series methods for solving ODE'S. *Journal of Computational and Applied Mathematics*, 3(4):251–256, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800162>.
- Claessens:1975:NLP**
- [Cla75] G. Claessens. A new look at the Padé table and the different methods for computing its elements. *Journal of Computational and Applied Mathematics*, 1(3):141–152, September 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900327>. See remark [Bul79].
- Coleman:1978:RBA**
- [Col78] John P. Coleman. A “refined Born approximation” and Aitken’s  $\Delta^2$  method. *Journal of Computational and Applied Mathematics*, 4(2):101–103, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900335>.
- Claessens:1979:CNN**
- [CW79] G. Claessens and L. Wuytack. On the computation of non-normal Padé approximants. *Journal of Computational and Applied Mathematics*, 5(4):283–289, December 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900457>.
- Dahiya:1977:CDL**
- [Dah77] R. S. Dahiya. Computation of  $n$ -dimensional Laplace transforms. *Journal of Computational and Applied Mathematics*, 3(3):185–188, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S037704277780006X>.
- Danloy:1976:CSH**
- [Dan76] B. Danloy. On the choice of signs for Householder’s matrices. *Journal of Computational and Applied Mathematics*, 2(1):67–69, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900425>.
- deBruin:1978:ACG**
- [dB78] M. G. de Bruin. An algorithm for calculating generalized continued fractions. *Journal of Computational and Applied Mathematics*, 4(3):177–179, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900013>.

**DePril:1976:BCT**

- [DDG76] N. De Pril, L. D'Hooge, and M. J. Goovaerts. A bibliography on credibility theory and its applications. *Journal of Computational and Applied Mathematics*, 2(1):55–62, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900401>.

**DeKerf:1975:BFS**

- [De 75a] Joseph L. F. De Kerf. A bibliography on fuzzy sets. *Journal of Computational and Applied Mathematics*, 1(3):205–212, September 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900364>.

**DeKerf:1975:IMS**

- [De 75b] Joseph L. F. De Kerf. The interpolation method of Sprague–Karup. *Journal of Computational and Applied Mathematics*, 1(2):101–110, June 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900273>.

**DeMeersman:1975:MLS**

- [De 75c] R. De Meersman. A method for least squares solution of systems with a cyclic rectangular coefficient matrix. *Journal of Computational and Applied Mathematics*, 1(1):51–54,

March 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7590008X>.

**DeMeersman:1976:DLA**

- [De 76] R. De Meersman. A derivation of the Levinson algorithm for solving linear systems with symmetric positive definite Toeplitz matrix. *Journal of Computational and Applied Mathematics*, 2(1):63–65, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900413>.

**DeVylder:1977:NPK**

- [De 77] Fl. De Vylder. A new proof for a known result in risk theory. *Journal of Computational and Applied Mathematics*, 3(4):277–279, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800216>.

**DeMeersman:1979:LSN**

- [De 79] R. De Meersman. Least squares with non-linear equality constraints application to closing of balances. *Journal of Computational and Applied Mathematics*, 5(4):277–281, December 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900445>.



**Dekker:1977:GRK**

- [Dek77] K. Dekker. Generalized Runge–Kutta methods for coupled systems of hyperbolic differential equations. *Journal of Computational and Applied Mathematics*, 3(4):221–233, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800137>. [dG77]

**Devooght:1976:ACR**

- [Dev76] J. Devooght. Analytic continuation by reproducing kernel methods combined with Padé approximations. *Journal of Computational and Applied Mathematics*, 2(4):231–239, December 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900449>.

**Dey:1977:PIS**

- [Dey77] S. K. Dey. Perturbed iterative solution of nonlinear equations with applications to fluid dynamics. *Journal of Computational and Applied Mathematics*, 3(1):15–30, March 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900201>.

**Dey:1978:PIS**

- [Dey78] S. K. Dey. Perturbed iterative solution of coupled nonlinear systems with application to

fluid dynamics. *Journal of Computational and Applied Mathematics*, 4(2):117–128, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900360>.

**deGroot:1977:BRM**

R. de Groot. Book review: *Mathematical systems theory: Lecture notes in economics and mathematical systems. Vol. 131. Proceedings of the International Symposium, Udine, Italy, June 1975*, Marchesini G., Padua, Italy and Mitter, S. K., Massachusetts Institute of Technology, USA, editors. Springer Verlag, New York 1976, 408 pages. *Journal of Computational and Applied Mathematics*, 3(1):75–76, March 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900249>.

**Dierckx:1975:ASD**

- [Die75] P. Dierckx. An algorithm for smoothing, differentiation and integration of experimental data using spline functions. *Journal of Computational and Applied Mathematics*, 1(3):165–184, September 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900340>.

- Dierckx:1977:ALS**
- [Die77] P. Dierckx. An algorithm for least-squares fitting of cubic spline surfaces to functions on a rectilinear mesh over a rectangle. *Journal of Computational and Applied Mathematics*, 3(2):113–129, June 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900079>.
- DeDoncker:1976:BAI**
- [DP76] E. De Doncker and R. Piessens. A bibliography on automatic integration. *Journal of Computational and Applied Mathematics*, 2(4):273–279, December 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900504>.
- Dierckx:1977:CFC**
- [DP77] P. Dierckx and R. Piessens. Calculation of Fourier coefficients of discrete functions using cubic splines. *Journal of Computational and Applied Mathematics*, 3(3):207–209, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800101>.
- DeMeersman:1977:UFL**
- [DS77] R. De Meersman and P. Siau. On updating formulas for least squares solutions and pseudo-inverses. *Journal of Computational and Applied Mathematics*, 3(4):293–297, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S037704277780023X>.
- Dunham:1979:CAE**
- [Dun79a] Charles B. Dunham. Chebyshev approximation by exponential-polynomial sums. *Journal of Computational and Applied Mathematics*, 5(1):53–57, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900275>.
- Dunham:1979:SPP**
- [Dun79b] Charles B. Dunham. A survey of published programs for best approximation. *Journal of Computational and Applied Mathematics*, 5(2):141–143, June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7990010X>.
- Ebert:1977:COR**
- [Ebe77] Udo Ebert. Computation of optimal radiation treatment plans. *Journal of Computational and Applied Mathematics*, 3(2):99–104, June 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900043>.

**Evans:1977:LMN**

- [EF77] D. J. Evans and S. O. Fatunla. A linear multistep numerical integration scheme for solving systems of ordinary differential equations with oscillatory solutions. *Journal of Computational and Applied Mathematics*, 3(4):235–241, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800149>.

**Evans:1979:IHT**

- [EG79] N. T. S. Evans and A. R. Gourlay. Implementation of the “Hopscotch” technique in the numerical solution of diffusion problems. *Journal of Computational and Applied Mathematics*, 5(1):47–52, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900263>.

**Einarsson:1977:SSL**

- [Ein77] Bo Einarsson. Solving a system of linear inequalities for generating test data. *Journal of Computational and Applied Mathematics*, 3(4):269–271, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800198>.

**Einarsson:1979:BEN**

- [Ein79] Bo Einarsson. Bibliography on the evaluation of numerical software.

*Journal of Computational and Applied Mathematics*, 5(2):145–159, June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900111>.

**Evans:1977:CEE**

- [Eva77] David J. Evans. Computation of eigenvalues and eigenvectors of a symmetric quindagonal matrix. *Journal of Computational and Applied Mathematics*, 3(2):131–141, June 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900080>.

**Freedman:1975:UNL**

- [FK75] Marvin I. Freedman and James L. Kaplan. Use of a non-linear clock in the perturbation analysis of time optimal control problems. *Journal of Computational and Applied Mathematics*, 1(4):219–228, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900108>.

**Greenspan:1978:CSP**

- [GC78] Donald Greenspan and John Collier. Computer studies of planetary-type evolution. *Journal of Computational and Applied Mathematics*, 4(4):235–257, December 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900108>.

- scimedirect.com/science/article/pii/0771050X78900220. **Genz:1977:NMA** [GM78]
- [Gen77] Alan C. Genz. A nonlinear method for the acceleration of the convergence of multidimensional sequences. *Journal of Computational and Applied Mathematics*, 3(3):181–184, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800058>. **Gretton:1979:CTC** [GM79]
- [GJ79] H. W. Gretton and K. A. Jukes. Computations of Tauberian constants connected with equiconvergence and the quadratfrei numbers. *Journal of Computational and Applied Mathematics*, 5(1):25–27, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900238>. **Gourlay:1977:CHM** [GM77]
- A. R. Gourlay and S. McKee. The construction of hopscotch methods for parabolic and elliptic equations in two space dimensions with a mixed derivative. *Journal of Computational and Applied Mathematics*, 3(3):201–206, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800095>. **Gourlay:1978:LOD**
- A. R. Gourlay and J. Ll. Morris. Locally one-dimensional hopscotch methods. *Journal of Computational and Applied Mathematics*, 4(4):269–273, December 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900256>. **Gourlay:1979:HME**
- A. R. Gourlay and S. McKee. Hopscotch methods for elliptic partial differential equations. *Journal of Computational and Applied Mathematics*, 5(2):103–110, June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900056>. **Graves-Morris:1976:ATV** [GMJ76]
- P. R. Graves-Morris and R. Hughes Jones. An analysis of two variable rational approximants. *Journal of Computational and Applied Mathematics*, 2(1):41–48, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900383>. **Goovaerts:1977:BRO** [Goo77a]
- M. J. Goovaerts. Book review: *Optimal controller design by nonlinear and game theoretic method*, Hämäläinen, Raimo P., in: Acta Polytechnica Scandinavica, Math-

ematics and Computer Science Series, No. 28 (1976), ISSN 0355-2713, ISBN 951-666-086-X. *Journal of Computational and Applied Mathematics*, 3(4):298, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800253>.

**Goovaerts:1977:BRP**

[Goo77b] M. J. Goovaerts. Book review: *Preservation of infinite divisibility under mixing and related topics*, 33, F. W. Steutel, in: Mathematical Centre Tracts. Stichting Mathematisch Centrum (1977), 1–99. *Journal of Computational and Applied Mathematics*, 3(4):298, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800241>.

**Goovaerts:1978:BRI**

[Goo78a] M. J. Goovaerts. Book review: *An introduction to the regenerative method for simulation analysis*: M. A. Crane, A. J. Lemoine, Berlin, Springer-Verlag, 1977, 24 cm × 17 cm. 111 p., price DM 18. *Journal of Computational and Applied Mathematics*, 4(3):212, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900074>.

**Goovaerts:1978:BRD**

[Goo78b] M. J. Goovaerts. Book review: *Differential games and applications: Proceedings of a workshop, Enschede, 1977*: P. Hagedorn, H. W. Knobloch, G. J. Olsder, editors. Berlin, Springer-Verlag, 1977, 17 cm × 24 cm, 236 p., 60 fig., 6 tab., price DM 24,80. *Journal of Computational and Applied Mathematics*, 4(4):258, December 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900232>.

**Goovaerts:1978:BRV**

[Goo78c] M. J. Goovaerts. Book review: *Variational methods in mathematics, science and engineering*: Karel Rektorys, (1977), 516 pp., D. Reidel Publishing Company. *Journal of Computational and Applied Mathematics*, 4(3):198, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900049>.

**Graney:1977:NSU**

[Gra77] L. Graney. The numerical solution of unstable two point boundary value problems. *Journal of Computational and Applied Mathematics*, 3(3):173–180, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800046>.

- [Gre77] **Greenspan:1977:CSI**  
 Donald Greenspan. Computer studies of interactions of particles with differing masses. *Journal of Computational and Applied Mathematics*, 3(3):145–154, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800010>.
- [GV78] **Goovaerts:1978:BET**  
 M. J. Goovaerts and P. Van Goethem. On a Berry–Esseen theorem for compound Poisson processes. *Journal of Computational and Applied Mathematics*, 4(2):93–100, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900323>.
- [Han79] **Hanson:1979:CIP**  
 Richard J. Hanson. Computing an interior point for inequalities using linear optimization. *Journal of Computational and Applied Mathematics*, 5(1):69–70, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900317>.
- [Hen78] **Hennessy:1978:CAL**  
 T. R. Hennessy. A comparative approach to Laplace transform inversion. *Journal of Computational and Applied Mathematics*, 4(2):89–91, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900311>.
- [HM79] **Hautot:1979:CES**  
 André Hautot and Alphonse Magnus. Calculation of the eigenvalues of Schrödinger equations by an extension of Hill’s method. *Journal of Computational and Applied Mathematics*, 5(1):3–15, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900214>.
- [HMW77] **Hoskins:1977:RCM**  
 W. D. Hoskins, D. S. Meek, and D. J. Walton. A rapidly convergent method for the solution of the matrix equation  $XA + AY = F$ . *Journal of Computational and Applied Mathematics*, 3(3):211–215, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800113>.
- [Hou78] **Houstis:1978:CNM**  
 E. N. Houstis. The complexity of numerical methods for elliptic partial differential equations. *Journal of Computational and Applied Mathematics*, 4(3):191–197, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900311>.

- sciencedirect.com/science/  
article/pii/0771050X78900037. [Joh77]
- Ikeuchi:1979:SRJ**
- [IKSN79] Masatoshi Ikeuchi, Hiroshi Kobayashi, Hideo Sawami, and Hiroshi Niki. On the spectral radius of the Jacobi iteration matrix for a rectangular region with two different media. *Journal of Computational and Applied Mathematics*, 5(4):247–258, December 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900408>.
- Iserles:1978:AEF**
- [Ise78] Arieh Iserles. A-acceptable exponentially fitted combinations of three Padé approximations. *Journal of Computational and Applied Mathematics*, 4(2):143–146, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900384>.
- Jeffreson:1978:LSC**
- [JC78] Carl P. Jeffreson and Ee-Pan Chow. Least squares coefficients for a quadrature formula for Laplace transform inversion. *Journal of Computational and Applied Mathematics*, 4(1):53–58, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900207>.
- Johnson:1977:ILS**
- R. C. Johnson. Interpolation by local space curves. *Journal of Computational and Applied Mathematics*, 3(2):79–84, June 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900018>.
- Jain:1978:HOD**
- [JS78] M. K. Jain and J. S. V. Saldanha. Higher order difference methods for second order two-point boundary-value problems. *Journal of Computational and Applied Mathematics*, 4(3):199–206, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900050>.
- Kaufman:1979:BRI**
- [Kau79] L. Kaufman. Book review: *Integer programming and related areas — A classified bibliography 1976–1978*: Compiled at the Institut für Ökonometrie und Operations Research, University of Bonn. Edited by Dirk Hausman. 1978, xiv + 314 pages. Soft cover, DM 32, US 16. Springer-Verlag, Berlin, Heidelberg, New York. Vol. 160 of “Lecture Notes in Economics and Mathematical Systems”, Editors M. Beckmann and H. P. Kunzi. *Journal of Computational and Applied Mathematics*, 5(2):102, June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778

- (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900044>. [Lap78]
- Kloek:1975:PEI**
- [KL75] T. Kloek and F. B. Lempers. Post-experiment introduction of constraints on parameters. *Journal of Computational and Applied Mathematics*, 1(4):235–237, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900121>. [Lat75]
- Klein:1979:SFS**
- [Kle79] G. Klein. On spline functions and statistical regularization of ill-posed problems. *Journal of Computational and Applied Mathematics*, 5(4):259–264, December 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7990041X>. [Let76a]
- Kammler:1978:BAE**
- [KM78] David W. Kammler and Robert J. McGlinn. A bibliography for approximation with exponential sums. *Journal of Computational and Applied Mathematics*, 4(2):167–173, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900426>. [Let76b]
- Laporte:1978:SPT**
- Gilbert Laporte. The seriation problem and the travelling salesman problem. *Journal of Computational and Applied Mathematics*, 4(4):259–268, December 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900244>. [Latouche:1975:OAP]
- Latouche:1975:OAP**
- Guy Latouche. Optimal allocation of priority in a M/M/1 queue with two types of customers. *Journal of Computational and Applied Mathematics*, 1(2):85–91, June 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7590025X>. [Lether:1976:BYQ]
- Lether:1976:BYQ**
- Frank Lether. On Birkhoff–Young quadrature of analytical functions. *Journal of Computational and Applied Mathematics*, 2(2):81–84, June 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900127>. [Lether:1976:CDI]
- Lether:1976:CDI**
- Frank G. Lether. Computation of double integrals over a triangle. *Journal of Computational and Applied Mathematics*, 2(3):219–224, September 1976. CODEN JCAMDI.



- ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900085>. [Lew79]
- Lether:1977:MQF**
- [Let77] Frank G. Lether. Modified quadrature formulas for functions with nearby poles. *Journal of Computational and Applied Mathematics*, 3(1):3–9, March 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900171>. [Lit78]
- Lether:1978:CGL**
- [Let78] Frank G. Lether. On the construction of Gauss–Legendre quadrature rules. *Journal of Computational and Applied Mathematics*, 4(1):47–52, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900190>. [Lon75]
- Levin:1975:NIL**
- [Lev75] David Levin. Numerical inversion of the Laplace transform by accelerating the convergence of Bromwick’s integral. *Journal of Computational and Applied Mathematics*, 1(4):247–250, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900157>. [LR79]
- Lewanowicz:1979:CRR**
- Stanislaw Lewanowicz. Construction of a recurrence relation for modified moments. *Journal of Computational and Applied Mathematics*, 5(3):193–206, September 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0377042779900050>. [Lit78]
- Litinsky:1978:BAN**
- E. G. Litinsky. Best approximation and numerical methods in solution of differential equations. *Journal of Computational and Applied Mathematics*, 4(2):113–116, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900359>. [Longman:1975:ABR]
- I. M. Longman. Application of best rational function approximation for Laplace transform inversion. *Journal of Computational and Applied Mathematics*, 1(1):17–23, March 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900030>. [Laurie:1979:CGQ]
- Dirk P. Laurie and Laurette Rolfes. Computation of Gaussian quadrature rules from modified moments. *Journal of Com-*

- putational and Applied Mathematics*, 5(3):235–243, September 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0377042779900086>. **Meersman:1975:STA**
- [Luk76] Yudell L. Luke. Chebyshev expansions and rational approximations. *Journal of Computational and Applied Mathematics*, 2(2):85–93, June 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900139>. **Luke:1976:CER**
- [Mav79] Lazaros P. Mavrides. Nonlinear programming with cumulatively bounded variables. *Journal of Computational and Applied Mathematics*, 5(3):163–169, September 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0377042779900013>. **Mavrides:1979:NPC**
- [MC75] W. Meeusen and L. Cuyvers. Clique detection in directed graphs: a new algorithm. *Journal of Computational and Applied Mathematics*, 1(3):185–203, September 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900352>. **Mee75]**
- [Mee75] Robert Meersman. A survey of techniques in applied computational complexity. *Journal of Computational and Applied Mathematics*, 1(1):39–46, March 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900054>. **Melka:1978:MCA**
- [Mel78] Richard F. Melka. The method of coordinate averaging. *Journal of Computational and Applied Mathematics*, 4(1):41–45, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900189>. **Melka:1979:IP**
- [Mel79] Richard F. Melka. Implicit perturbations. *Journal of Computational and Applied Mathematics*, 5(3):177–182, September 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0377042779900037>. **Mund:1975:AIF**
- [MHH75] E. H. Mund, P. Hallet, and J. P. Hennart. An algorithm for the interpolation of functions using quintic splines. *Journal of Computational and Applied Mathematics*, 1(4):279–288, December 1975. CODEN JCAMDI.

ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900200>.

**Miklosko:1975:RCD**

- [Mik75] Jozef Miklosko. A recursive computation of the determinant of a pentadiagonal matrix. *Journal of Computational and Applied Mathematics*, 1(2):73–78, June 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900236>.

**Miklosko:1977:ACC**

- [Mik77] Jozef Miklosko. An algorithm for calculating continued fractions. *Journal of Computational and Applied Mathematics*, 3(4):273–275, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800204>.

**Mizrahi:1975:GHPa**

- [Miz75a] Maurice M. Mizrahi. Generalized Hermite polynomials. *Journal of Computational and Applied Mathematics*, 1(3):137–140, September 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900315>.

**Mizrahi:1975:GHPb**

- [Miz75b] Maurice M. Mizrahi. Generalized Hermite polynomials. *Jour-*

*nal of Computational and Applied Mathematics*, 1(4):273–277, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900194>.

**Murphy:1978:TVG**

- [MO78] J. A. Murphy and M. R. O’Donohoe. A two-variable generalization of the Stieltjes-type continued fraction. *Journal of Computational and Applied Mathematics*, 4(3):181–190, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900025>.

**Meire:1979:URC**

- [MV79] R. Meire and A. Vanderbauwhede. A useful result for certain linear periodic ordinary differential equations. *Journal of Computational and Applied Mathematics*, 5(1):59–61, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900287>.

**Neuts:1977:ABC**

- [Neu77] M. F. Neuts. An annotated bibliography on computational probability: Part 1. *Journal of Computational and Applied Mathematics*, 3(1):53–74, March 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900000>.

- sciencedirect.com/science/article/pii/0771050X77900237. **Neuman:1978:UAS**
- [Neu78] E. Neuman. Uniform approximation by some Hermite interpolating splines. *Journal of Computational and Applied Mathematics*, 4(1):7–9, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7890013X>. **Nerinckx:1976:CNL**
- [NH76] D. Nerinckx and A. Haegemans. A comparison of nonlinear equation solvers. *Journal of Computational and Applied Mathematics*, 2(2):145–148, June 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900176>. **Nourein:1975:IFS**
- [Nou75] Abdel-Wahab M. Nourein. An iteration formula for the simultaneous determination of the zeros of a polynomial. *Journal of Computational and Applied Mathematics*, 1(4):251–254, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900169>. **Nourein:1977:INM**
- [Nou77] A. W. Nourein. An improvement on Nourein’s method for the simultaneous determination of the zeroes of a polynomial (an algorithm). *Journal of Computational and Applied Mathematics*, 3(2):109–112, June 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900067>. **Niethammer:1975:RSM**
- [NS75] W. Niethammer and J. Schade. On a relaxed SOR-method applied to nonsymmetric linear systems. *Journal of Computational and Applied Mathematics*, 1(3):133–136, September 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900303>. **Oliver:1977:SRE**
- [Oli77] J. Oliver. On the sensitivity to rounding errors of Chebyshev series approximations. *Journal of Computational and Applied Mathematics*, 3(2):89–98, June 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900031>. **Oliver:1979:REP**
- [Oli79] J. Oliver. Rounding error propagation in polynomial evaluation schemes. *Journal of Computational and Applied Mathematics*, 5(2):85–97, June 1979. CODEN JCAMDI. ISSN 0377-

- 0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900020>. [PD76]
- [O'S78] Brendan B. O'Shea. Algorithms for the solution of systems of coupled second-order ordinary differential equations. *Journal of Computational and Applied Mathematics*, 4(1):11-17, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900141>. [OShea:1978:ASS]
- [Pau76] Augustin Paulik. On the optimal approximation of bounded linear functionals in Hilbert spaces with inner product invariant in rotation or translation. *Journal of Computational and Applied Mathematics*, 2(4):267-272, December 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900498>. [Paulik:1976:OAB]
- [PB75] Robert Piessens and Maria Branders. Computation of oscillating integrals. *Journal of Computational and Applied Mathematics*, 1(3):153-164, September 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900339>. [Piessens:1975:COI]
- [PH75] Robert Piessens and Ann Haegemans. Cubature formulas of degree eleven for symmetric planar regions. *Journal of Computational and Applied Mathematics*, 1(2):79-83, June 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900248>. [Piessens:1975:CFD]
- [Pic76] D. Picca. Laplace-transform approach to the quantal Coulomb [Picca:1976:LTA]
- [Pes75] F. D. Peschanel. An approach to a consistent qualification of decision procedures in probabilistic information processing. *Journal of Computational and Applied Mathematics*, 1(4):239-245, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900133>. [Peschanel:1975:ACQ]
- R. Piessens and N. D. P. Dang. A bibliography on numerical inversion of the Laplace transform and applications: a supplement. *Journal of Computational and Applied Mathematics*, 2(3):225-228, September 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900097>. [Piessens:1976:BNI]

- problem. *Journal of Computational and Applied Mathematics*, 2(1):49–54, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900395>. **Piessens:1975:BNI**
- [Pie75] Robert Piessens. A bibliography on numerical inversion of the Laplace transform and applications. *Journal of Computational and Applied Mathematics*, 1(2):115–128, June 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900297>. **Pindor:1976:SAC**
- [Pin76] M. Pindor. A simplified algorithm for calculating the Padé table derived from Baker and Longman schemes. *Journal of Computational and Applied Mathematics*, 2(4):255–257, December 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900474>. **Poleunis:1977:CSA**
- [PL77] F. Poleunis and O. Leroy. The construction of self-adjoint operators of Hill with periodic eigenfunctions. *Journal of Computational and Applied Mathematics*, 3(3):189–194, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800071>. **Paiano:1975:ITC**
- [PP75] G. Paiano and D. Picca. Integral transforms as computational tools in quantum mechanics. *Journal of Computational and Applied Mathematics*, 1(2):93–100, June 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900261>. **Piessens:1975:E**
- [PW75] Robert Piessens and Luc Wuytack. Editorial. *Journal of Computational and Applied Mathematics*, 1(1):3, March 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900017>. **Papamichael:1977:LE**
- [PW77] N. Papamichael and J. R. Whiteman. Letter to the editors. *Journal of Computational and Applied Mathematics*, 3(1):10, March 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900183>. **Rahman:1978:NSF**
- [Rah78] Matiur Rahman. On the numerical solution of the flow between a rotating and a sta-

- tionary disk. *Journal of Computational and Applied Mathematics*, 4(4):289–293, December 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900281>. **Rayski:1977:RBA**
- [Ray77] Jerzy Rayski. A refined Born approximation. *Journal of Computational and Applied Mathematics*, 3(1):31–34, March 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900213>. **Razzaghi:1976:JCO**
- [Raz76] M. Razzaghi. On the Jacobi condition for optimizing an engineering problem. *Journal of Computational and Applied Mathematics*, 2(2):77–80, June 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900115>. **Razzaghi:1978:PAS**
- [Raz78] M. Razzaghi. On the pole assignment for single-input systems with time-delays. *Journal of Computational and Applied Mathematics*, 4(2):155–157, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900402>. **Rabbo:1978:CTD**
- [RM78] N. A. Abd Rabbo and A. Matar. A CUSUM test for detecting change in the transfer functions of open loop stochastic systems. *Journal of Computational and Applied Mathematics*, 4(2):147–154, June 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900396>. **Roberts:1977:ADP**
- [Rob77] D. E. Roberts. An analysis of double power series using rotationally covariant approximants. *Journal of Computational and Applied Mathematics*, 3(4):257–262, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800174>. **Robinson:1979:CNI**
- [Rob79] Ian Robinson. A comparison of numerical integration programs. *Journal of Computational and Applied Mathematics*, 5(3):207–223, September 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0377042779900062>. **Rodabaugh:1979:LOS**
- [RT79] D. J. Rodabaugh and S. Thompson. Low-order  $A_0$ -stable Adams-type correctors. *Journal of Computational and Applied Mathe-*

- matics*, 5(3):225–233, September 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0377042779900074>.  
**Roseman:1976:CNS**
- [RZ76] Joseph Roseman and Gideon Zwas. On the correct numerical shock speed. *Journal of Computational and Applied Mathematics*, 2(1):3–6, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900310>.  
**Reddy:1975:NED**
- [RZH75] P. J. Reddy, H.-J. Zimmermann, and Asghar Husain. Numerical experiments on DFP-method, a powerful function minimization technique. *Journal of Computational and Applied Mathematics*, 1(4):255–265, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900170>.  
**Sack:1979:NMS**
- [Sac79] R. A. Sack. A numerical method for simultaneous convergence to the elements of a sequence. *Journal of Computational and Applied Mathematics*, 5(1):29–35, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7990024X>.  
**Salzer:1976:NFT**
- [Sal76] Herbert E. Salzer. A new form of trigonometric orthogonality and Gaussian-type quadrature. *Journal of Computational and Applied Mathematics*, 2(4):241–248, December 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900450>.  
**Salzer:1977:ILT**
- [Sal77a] Herbert E. Salzer. Inverse Laplace transforms of oscillatory and hyperoscillatory interpolation polynomials using “near-Chebyshev” nodes. *Journal of Computational and Applied Mathematics*, 3(3):217, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800125>.  
**Salzer:1977:MED**
- [Sal77b] Herbert E. Salzer. Minimal error difference formulas. *Journal of Computational and Applied Mathematics*, 3(4):263–267, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800186>.  
**Sastry:1976:FDA**
- [Sas76] S. S. Sastry. Finite difference approximations to one-dimensional



- parabolic equations using a cubic spline technique. *Journal of Computational and Applied Mathematics*, 2(1):23–26, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900358>. [SB78]
- Shenton:1976:NAS**
- [SB76a] L. R. Shenton and K. O. Bowman. A new algorithm for summing divergent series. Part 1. Basic theory and illustrations. *Journal of Computational and Applied Mathematics*, 2(3):151–167, September 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900012>. [SD76]
- Siewert:1976:EAS**
- [SB76b] C. E. Siewert and E. E. Burniston. An exact analytical solution of  $x \coth x = \alpha x^2 + 1$ . *Journal of Computational and Applied Mathematics*, 2(1):19–21, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900346>. [SD77]
- Shenton:1977:NAS**
- [SB77] L. R. Shenton and K. O. Bowman. A new algorithm for summing divergent series: Part 3: Applications. *Journal of Computational and Applied Mathematics*, 3(1):35–51, March 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900225>. [Shenton:1978:GCF]
- Shenton:1978:GCF**
- [SB78] L. R. Shenton and K. O. Bowman. Generalized continued fractions and Whittaker's approach. *Journal of Computational and Applied Mathematics*, 4(1):3–5, 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900128>. [Sanchez-Dehesa:1976:CHM]
- Sanchez-Dehesa:1976:CHM**
- [SD76] Jesus Sánchez-Dehesa. On the conditions for a Hamiltonian matrix to have an eigen-value density with some prescribed characteristics. *Journal of Computational and Applied Mathematics*, 2(4):249–254, December 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900462>. [Sanchez-Dehesa:1977:ASJ]
- Sanchez-Dehesa:1977:ASJ**
- [SD77] Jesus Sánchez-Dehesa. The asymptotical spectrum of Jacobi matrices. *Journal of Computational and Applied Mathematics*, 3(3):167–171, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800034>.

- [SD78] **Sanchez-Dehesa:1978:SJM**  
 Jesus Sanchez-Dehesa. The spectrum of Jacobi matrices in terms of its associated weight function. *Journal of Computational and Applied Mathematics*, 4(4): 275–283, December 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900268>.
- [SD79] **Sanchez-Dehesa:1979:GSO**  
 Jesus Sánchez-Dehesa. On a general system of orthogonal  $q$ -polynomials. *Journal of Computational and Applied Mathematics*, 5(1):37–45, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900251>.
- [Sid75a] **Sidi:1975:CCP**  
 Avram Sidi. Computation of the Chebyshev–Padé table. *Journal of Computational and Applied Mathematics*, 1(2):69–71, June 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900224>.
- [Sid75b] **Sidi:1975:ASI**  
 Avram Sidi. On the approximation of square-integrable functions by exponential series. *Journal of Computational and Applied Mathematics*, 1(4):229–234, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7590011X>.
- [Sid76] **Sidi:1976:BRF**  
 Avram Sidi. Best rational function approximation to Laplace transform inversion using a window function. *Journal of Computational and Applied Mathematics*, 2(3):187–194, September 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900036>.
- [Sny79] **Snyman:1979:CDN**  
 J. A. Snyman. Continuous and discontinuous numerical solutions to the Troesch problem. *Journal of Computational and Applied Mathematics*, 5(3): 171–175, September 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0377042779900025>.
- [SP79] **Siewert:1979:S**  
 C. E. Siewert and J. S. Phelps III. On the solution of a  $\tan(\zeta - k\pi) + \tanh \zeta = 0$ . *Journal of Computational and Applied Mathematics*, 5(2):99–101, June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900032>.

- [Spi77] **Spitzer:1977:NSE**  
 John J. Spitzer. A numerically stable and efficient technique for the maintenance of positive definiteness in the Hessian for Newton-type methods. *Journal of Computational and Applied Mathematics*, 3(2):105–108, June 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900055>.
- [SS76] **Strom:1976:DOT**  
 Torsten Ström and Per Svensson. On the determination of an orthogonal transformation. *Journal of Computational and Applied Mathematics*, 2(1):7–11, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900322>.
- [Sta79] **Starkand:1979:EFM**  
 Yair Starkand. Explicit formulas for matrix-valued Padé approximants. *Journal of Computational and Applied Mathematics*, 5(1):63–66, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900299>.
- [SU75] **Stetter:1975:PPS**  
 Hans J. Stetter and Christoph W. Ueberhuber. Proposal for population studies in numerical quadrature. *Journal of Computational and Applied Mathematics*, 1(3):213–215, September 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900376>.
- [SW77] **Sloan:1977:RTM**  
 D. M. Sloan and G. Wilks. The Riccati transformation method and the computation of eigenvalues of complex linear differential systems. *Journal of Computational and Applied Mathematics*, 3(3):195–199, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800083>.
- [Teu76] **Teugels:1976:BSM**  
 Jozef L. Teugels. A bibliography on semi-Markov processes. *Journal of Computational and Applied Mathematics*, 2(2):125–144, June 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900164>.
- [Van79] **VandeVel:1979:HIT**  
 H. Van de Vel. Haar intervals for trigonometric polynomials. *Journal of Computational and Applied Mathematics*, 5(4):265–267, December 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900421>.

- vanDooren:1976:AAN**
- [vDdR76] Paul van Dooren and Luc de Ridder. An adaptive algorithm for numerical integration over an  $n$ -dimensional cube. *Journal of Computational and Applied Mathematics*, 2(3):207–217, September 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7690005X>. [WA76]
- vanderHouwen:1979:CTI**
- [vdHSV79] P. J. van der Houwen, B. P. Sommeijer, and J. G. Verwer. Comparing time integrators for parabolic equations in two space dimensions with a mixed derivative. *Journal of Computational and Applied Mathematics*, 5(2):73–83, June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900019>. [Wam76]
- Verwer:1977:CST**
- [Ver77] J. G. Verwer. A class of stabilized three-step Runge–Kutta methods for the numerical integration of parabolic equations. *Journal of Computational and Applied Mathematics*, 3(3):155–166, September 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0377042777800022>. [Wam77]
- Wu:1975:NMA**
- [WA75] C. L. Wu and R. J. Adler. Nonlinear matrix algebra and engineering applications. Part 1: Theory and linear form matrix. *Journal of Computational and Applied Mathematics*, 1(1):25–37, March 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900042>. [Wu:1976:NMA]
- Wu:1976:NMA**
- C. L. Wu and R. J. Adler. Nonlinear matrix algebra and engineering applications. Part 2: Polynomial form matrices. *Journal of Computational and Applied Mathematics*, 2(3):169–185, September 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X76900024>. [Wam76]
- Wambecq:1976:NMS**
- [Wam76] A. Wambecq. Nonlinear methods in solving ordinary differential equations. *Journal of Computational and Applied Mathematics*, 2(1):27–33, 1976. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X7690036X>. [Wam77]
- Wambecq:1977:PFT**
- [Wam77] A. Wambecq. Plotting a function of two variables. *Journal of Computational and Applied Mathematics*, 3(4):281–291, December 1977. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X77900024>.

- sciencedirect.com/science/  
 article/pii/S0377042777800228. [Wil78]
- [Wat78] W. Waterschoot. Book review: *A numerical study of stiff two-point boundary values*, P. W. Hemker: Mathematical Centre Tracts 80. Edited by Stichting Mathematisch Centrum, Amsterdam, 1977; 24 cm × 16 cm; 178 blz; price f 22. *Journal of Computational and Applied Mathematics*, 4(3):212, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900086>. [Waterschoot:1978:BRN]
- [Wat79] Layne T. Watson. Fixed points of  $C^2$  maps. *Journal of Computational and Applied Mathematics*, 5(2):131–139, June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900093>. [Watson:1979:FPM]
- [WC79] David Westreich and Baruch Cahlon. Numerical methods for discontinuous linear two point boundary value problems. *Journal of Computational and Applied Mathematics*, 5(2):111–115, June 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900068>. [Westreich:1979:NMD]
- [Wuy75] L. Wuytack. Numerical integration by using nonlinear techniques. *Journal of Computational and Applied Mathematics*, 1(4):267–272, December 1975. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X75900182>. [Wuytack:1975:NIU]
- [Wuy79] L. Wuytack. Editorial note. *Journal of Computational and Applied Mathematics*, 5(1):2, March 1979. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X79900202>. [Wuytack:1979:EN]
- [Wilhelmsen:1978:DTG] Don R. Wilhelmsen. Degree two Gaussian cubatures in the plane. *Journal of Computational and Applied Mathematics*, 4(3):229–232, September 1978. CODEN JCAMDI. ISSN 0377-0427 (print), 1879-1778 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0771050X78900116>. [Wilhelmsen:1978:DTG]