A Bibliography of Publications in *ACM SIGNUM*

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/  
08 April 2017  
Version 1.46

**Title word cross-reference**

$(\mathcal{T} - 1)/9$ [Hig86]. $(k,p)$ [DJ79]. 1 [Rol90].  
2 [PP75, Rol90]. = [Kre95, LK96]. $\delta^2$ [Jon82]. LU [Zah89]. $n$ [Mor69, Str77]. $N + 1$ [DZ88b]. $N \times N$ [Par69].

-ary [Mor69]. -th [Str77].  
1 [DPS92, Hop97, Ile85, Tem83]. 1/96 [Dry96]. 16-18 [Ano73q]. 1971 [Fri72a, Kah72]. 1973 [Ano73b, Ano73f, Ano73i, Ano73a, Ano73j, Ano73q, Ano73n, Ano73m, Ng73]. 1974 [Ano73g, Ano73d, Ano73c]. 1983 [Smi83b]. 1995 [BD95].

2 [Ano73k]. 2-by-2 [Mol74]. 205 [Tem83].

3 [Smi83a]. 360/370 [Boy75, TC75]. 6600 [DM73]. 6600/7600 [DM73].  
7000 [Nik72]. 74 [Ano73b]. 754 [Tyd94]. 77 [Rei80].

80th [Gil98]. 8th [Ano73a]. 8x [Smi83b, Smi88a, Smi88b].  
90 [DS94, IFI93]. '95 [Ano95f].

A-stability [Wan79]. A-stable [WB79]. absolute [Wis78]. Abstract [Boy79, Ber75, CW75a, EHHM75, ES75a, ES75b, Joh75, Jon75, LS75, Mad75, NDM75, PP75, Pri75, Rup75, ST75, SW75, SS75].

Abstraction [Smi98]. Abstracts [Ano93a]. academic [Kel76]. Accelerating [McN98]. Accuracy [Kre96], accurate [Dun90c]. Achieving [Hod95]. ACM [Ano73b, Ano73k, Ano93b, Han77, RS97]. ACM-SIGNUM [Han77]. Activities

AFWL [MND75, NDM75]. agreements [BFF83]. Aided [FK96, Fra90]. Aitken [Jon82]. Algebra [Ano95e, DL85a, DL85b, DCHH85, Ste96a, Ste96b, Far74, Far76, HKL73, LE85, WG80]. Algebraic [Kre95, LK96, Law74]. Algorithm [DK72, See80, GMSW85, Ric73, Rol87, Str77, Tan75, Tee80, UF69, Zah89, dD78]. Algorithmic [Ric76b]. Algorithms [Ano73q, Bra95, For73, Dun77, Gup72, KCD90, dP87]. Almost [Jer89]. alternative [GP87, Kni87, WB79]. amendments [FRS77]. AMS [Ano73c, Ng73]. Analysis [Ano93c, Car92, Dun89b, FKK96, Kah91, McK81, Ano71, Cha87, Han68, Mol68b, Mol68c, Mol69b, Mol69c, Ort66, RW71a, Ric79, Smi88b, Ste80, Tra66, Tra67a, Tra67b, Tra67c, Voi79]. Analytic [Rol97]. animation [Cyn88]. annotated [EJ76]. Announcement [Ano95f, Ano95c, Ano95a, Smi83a]. Annual [Ed91]. AMS [FRS77, Kni76a, Kni76b]. Any [Jer89]. anyone [Par67]. aphorisms [Kah68]. Application [KS97, Pri75].

Applications [Ano73m, Dun91, FKK96, Gup72]. Applied [BD95, DW95, DW96, Joh74, Dun77]. approach [Bra79, KM83]. approaches [Smi79]. approximate [MC97]. Approximately [Kre96]. approximating [Law68].

Approximation [DZ88a, Dun91, Dun76b, Tra67b]. approximations [Dun87a, Dun87b, Dun88]. Apr. [Kah72]. April [Ano73k, Ng73, Rob73]. arbitrary [Hua78]. Architecture [Ris76, LS75]. area [Ric81a]. areas [Ric76a]. Argonne [Ash69]. Arguments [Wan78]. Arithmetic [BB91, CCG+85, CKP+79, Fel79c, Rei79b, Cle84, Cor83, CY79, Dit93, Dun89a, Hul79, Moo80, PSW90, IFI92, Rei93]. arrays [EL81]. art [Mol69d, Tra68]. ary [Mor69]. association [Rei80]. Astrogometry [FKK96]. Atlanta [Ano73b]. AUGMENT [Cy79]. August [Ano73b, Ano73a, Smi83b]. Austin [Ano73i, Ano73k]. automated [Ard80]. Automatic [BD95, Jer89, Pfe87, SB82, ES75b, dD78]. Availability [FC84, Smi83a]. Available [Ano91, Don92, Cod88, DM76]. Averaging [WK96]. AVIRG [Kob92].


central [Cyn87]. Certification [Us070, Ash69, Us069]. Certifying [Han69]. chain [Law88]. Chair [Ano98e]. challenge
[ACM79, Ano73p, AK79, Ano79, CY79, Kel76, NDM75, dP87]. developments [Rup75], differ [Pro88, Zah89], difference [Cyn87, Cyn88]. Differential [Ano75, Ske79b, BL73, But79a, Chi86, Coo79, Cur73, Dah79, Fuj79, Gla85, GS75, HB76, Hin80, Kro72, Mad75, Ric76b, Str76, Str77, SS75, War76]. Differentiation [BD95, FK96, Jer89, Pfe87]. Difficulty [Tur69]. DIFSUB [SG72]. dimensional [OR75, SW75, WK95]. direct [Xan86]. directions [RGO+79]. DIS [Rei93]. discrete [Law68]. disguised [Ful86]. displacement [Pri75]. distributed [Gar86]. Distribution [DG85, DK72, Ile85]. documentation [Ost79]. DOE [Jon79]. domain [Dou92]. Double [Fig95, Dun89a, MC97, Rei80]. DPUP [Gar86]. Draft [CKP+79, Kni76a, PS79, FRS77, IFI92, Kni76b, Rei93]. drawn [Dri79]. dynamic [CS83]. dynamics [MND75, NDM75].


EISPACK [Smir83a, HS93]. Election [Ano73a]. electronic [DG85, Ano93c]. elegant [EL81]. element [CW75a, Pri75].

elementary [Hul79, Tho87]. elements [Dun89a, Rol88, Zah89]. Eliminate [FW79]. elimination [CG85, Cyn87, DGR88, ES75a, Eva89, Mac89, Tre85].

ELLPACK [Ric79]. empty [dB90a, dB90b]. Enable [IF93]. ENEP [SW75]. Energy [But79b, FJ79, KS97].

engineering [Ard80, Smir83c]. England [Ano73f, Ano73g, Ano73r]. enhance [Dri82]. Enhanced [Cor83]. enquiries [RW71a].

Environment [ACM79, BF79, Fel79a, Kah81a, RW71a, Sch79b, AK79, Ano79, Don84, For78, GAA+86, Nas90, Sch79c, Wil86].

Environments [Fos91, Ric96]. Epsilon [HS93]. equal [EH77]. equality [Dun86b].

equation [Chi86, Cur73, Cyn87, Han69, Hin80, War76]. Equations [Ske79b, BL73, But79a, Coo79, Cyn88, Dah79, Don84, DZ88b, Ehl74, GN81, Gla85, GS75, HB76, Kro72, Law72, Mad75, Ric76b, Str76, Str77, SS75, Tan75, Ano75].

equilibration [Dun80]. Errata [Far75, Rob73]. Error [Del96, Dit93, Duk96, FKK96, Fra81, Gre79, CG85, Coo79, Cyn90, DM73, Dry96, Han68, Kni77]. Error-free [Gre79]. Errors [WK96]. Essex [Ano73f].


Examination [Tra67a, Mol68a, Mol68b, Mol68c, Mol69b, Mol69c, Tra66, Tra67c].

Example [Del96, Duk96, Dry96, Han68, Sor81, Tee72]. Exception [IF93]. exceptions [ELP79].

Excerpt [Mol68a]. exchange [Sny79]. exercise [dB90a, dB90b]. existence [DJ79].

expansion [DK72]. Expansions [Mac93]. experience [Du 79]. Experiences [Dri79, OC70]. experiments [Lew83, SG72, Wis78]. explicit [Ker72].


German [Gil98]. Givens [GLJ+91, Han73, Hop97]. Goes [GLJ+91]. graphic [SW75]. Group [EIN73, Fel79a, Han77, Tor73, Jon79]. guide [BKM88]. Guidelines [UF69]. Gulf [Kos96].


interactive [MC97, SW75]. Interesting [Hod96, Lyn68]. interface [Boy75, MC97, TC75]. interfaces [Rup75].
International [Ano73i, Ano73a, BD95, Rei93, Ano95e].
Interpolation [Aki96, DZ88a, FC84].
Interval [Cle84, Kos96, KK96, KS97, Kre95, LK96, NK97, WK96, Moo80]. inverse [Ste75]. Inverses [Ano73m, Zie78a, Zie78b, Zie81]. inversion [Eva80, Fra81]. inverting [GS74, Zie78a].
Iowa [Ano73n]. Isn’t [RBSF93]. ISO [IFI92]. ISO/IEC [IFI92]. ISSAC [Ano95f].
Issues [BFF83, DL85a, GMSW85].
Iterative [Che97, Zie78a, DT76]. IV [CCHT67]. IVPS [Ske79a].
J [Dry96, Hor74, KM83]. Jacobian [OR75]. January [Ano73g, Ano73r]. Jensen [Kni72].
Julian [Bra95]. July [Ano73f]. June [Ano73j]. justification [Dri82].
Kutta [ES87].
Laboratories [CM78]. Laboratory [Ano73r, Fri73]. Lagrange [DZ88a].
Lagrange-type [DZ88a]. Language [IFI92, Jer89, Jon79, Aha85, Fra81].
Lawrence [Fri73]. LCAS [Kah91]. least [Bra87, KCD90, Ste75]. leg [Dah79]. legitimate [Ric81a]. length [CCG + 85].
Letter [Ano98e, Kni76b]. Letters [Ano98f].
Level [Fos91, Hop97, Ris76, DCDH87, DDCH89]. LIA [DP92]. LIA-1 [DP92].
Libraries [Ein73, Bol75, BFF83]. Library [ADHR73, Ano91, FJ79, RW71b, BBG88, CCHT67, Fox78, Fox79, Gla85, Tho87, VHS2, Du 79, FB77]. license [BFF83].
limiting [Kel76]. Linear [Ano95c, DL85a, DL85b, DCHI85, Ede91, Coo79, Dah79, Don84, DCDH87, Far74, Far76, GN81, Han69, HKL73, Law72, Law74, LE85, Ste75, Tan75, Tee80, WG80, WB79, Whi94]. lines [Mad75, WB79, Xan86]. list [Ske79a].
Livermore [Fri73]. Local [Aki96, Coo79, Rad73, Han77]. Lost [Car74].
Loughborough [Ano73l, Pow73]. LSODE [Hin80]. LSODI [Hin80].

MACHAR [Cod88]. Machine [HS93, ABB + 74, FB77, Smi79].
MACSYMA [CM78]. Madison [Ano73m]. mail [DG85]. Making [Kro87].
Masses [Kre96]. material [Rup75].
MATH77 [Ano91]. Mathematica [Ano96f].
Mathematical [ADHR73, Ano73a, Ano73l, Ano73p, Bai98, Bat75, Hak85, Pow73, BHK83, Boy79, Chii86, Chii82, DC85, Dri82, EJ76, Kel76, Kro71, Nas90, Ric81a, Smi79, VHS2, Wil86, Wit67]. mathematician [Fri72b]. Mathematics [Ano73g, Ano73m, BD95, Cod80, Fri72a, Fri73, PP82, TK97]. MATLAB [GLJ + 91].
matrices [EJ77, Eva89, GS74, Hua76, Hua78, Ker72, Par69, Pro88, Tec74, Zah89, Zie73, Zie88].
Matrix [DS94, Ste81, DGLP82, Eva80, Fra81, GN84, GN88, Gol78, Jen71, Mol99d, See80, Tec72, Zie73, Zie74, Zie85, Zie81].
Matrix-Matrix [DS94]. matters [Kro72]. maximum [DJ79]. May [Ano73k, Ano73q].
McMaster [RW71b]. Measure [Kre96].
mechanical [SW75]. Mechanics [Ano73i, Xan86]. Meeting [Ano73n, Ano75, Sck79b]. Mellon [Ano73q].
memorial [Ano86]. memoriam [Kah72].
memory [GN88, Mol72, Str81]. mesh [CW75a, CS83, Jon75]. Method
[Car74, Dun89b, FK96, McN98, Mad75, ST75, WB79, Xan86]. **Methods**
[Aki96, Ano73i, Ano73r, BL73, McN98, Ber75, But79a, Coo79, Dah79, DJ79, DT76, Eva89, Fuji79, Ful86, Kro71, Kro72, Lam79, Law68, OC70, Pri75, Say80, Smi83c, Str76, Wan79, WB79]. methods-an [WB79].

**MGN** [Dou92].

**micro** [Bat81].
micro-computers [Bat81].

**microcomputer** [Bat81]. micro-computers [Bat81].
microcomputer [Ste80]. microcomputers [Ste80].

**Microprogrammed** [Moo80].

**military** [TK97]. minicomputers [Nas76].

**minimization** [Nas81]. Mission [Ano97].

**Mixed** [Ein86]. modelling [Xan86].

**models** [SAW85, Whi94]. Modern [BB91].

**Modified** [Car74, Hop79, GS74]. modules [Bra79].

**monotone** [Dun78a, Dun87b, Dun88, FC84].

**Monotonicity** [Kro76]. Moore [Zie81].

**motivations** [Nas90]. Moving [SAW85].

**Multi** [Aha85, WK95]. multi-dimensional [WK95]. Multi-language [Aha85].

**multidimensions** [WB79]. multigrid [Dou92].

**Multiple** [McN98, RS97, Dit93].

**multiple-precision-arithmetic** [Dit93].

**Multiplication** [DS94]. multiplications [Par69].

**multistep** [Dah79, Str76, Wan79, WB79].

**multivariate** [Ham85]. mysteries [Tre85].

**NAG** [BBG88, Du 79, For73, FB77, Gla85].

**Name** [ABB +74].

**National** [Ano73b, Ano73, Ano73r, But79b].

**nature** [RGO 79].

**Navy** [CM78]. Needed [NK97].

**Netlib** [Gro91, Gro92].

**Network** [FK96, Don92].

**Newsletter** [Dry96, Rob73].

**Newton** [Car74, McN98, OR75, Sor81].

**NEXUS** [GAA +86].

**Nice** [Dun89b].

**No** [Law79].

**non** [Dun76b, Rob88, SB82, Whi94].

**non-continuous** [Dun76b].

**non-linear** [Whi94].

**non-stiffness** [SB82].

**non-unique** [Rob88].

**nonacademic** [Fri72a].

**Nonconvergence** [Che97].

**Nonlinear** [Ano73i, Rho69, Ber75, DT76, DZ88b, ES87, KCD90]. nonsymmetric [ES75a].

**Nordsieck** [DJ79].

**Normalized** [PS79].

**Note** [Aki96, Boy75, Ful87, Hin76, Hua76, CG85, EH77, Jou82, KCD90, War76].

**Notes** [FJ79, Par69].

**Nottingham** [For73]. number [Ful87, Gre79, Par69].

**Numbers** [FW79, Rei79a, PV83a, PV83b].

**Numeric** [Ste96b].

**Numerical** [ACM79, AA96, Ano73q, Ano73r, Ano93c, Bai98, Ber75, Car92, Cod79, Ein73, Fel79a, FK96, Ful86, GOP79, GOP80, Hor74, Kos96, Lew88, McK81, Nas76, PPS82, RGO79, Ric91, Say80, Sch79a, Sch79b, Ske79b, Smi98, Ste96a, Tra67b, WG80, Ano71, Ano79, BFF83, CPR69, Cha87, CG79, Dun77, Dun90c, Ein78, Far74, Far76, For78, Fra81, Fri72a, Fri72b, Fri73, Fuji79, Gan76, Hul79, Kah81b, Kro71, Mad75, Mol68b, Mol68c, Mol69b, Mol69c, OC70, Or76, RW71a, Ric76a, Ric81b, Rup75, Sch79c, SG72, ST75, Ste80, Str77, Tra66, Tra67a, Tra67c, TK97, Vol79, dP87, HAC85].

**Nuts** [Smi98].

**Nuts-and-Bolts** [Smi98].

**objectives** [Nas90].

**observations** [Ric76a].

**Obstacles** [Cha87].

**occurring** [Ker72].

**October** [Ano73n, Ano73m].

**ODE** [Hin76, Ste79, Xan86].

**ODE-codes** [Ste97].

**ODES** [Ske79a]. off [CS83]. off-the-shelf [CS83].

**often** [WK96].

**OIL** [Joh75].

**OlympiODE** [Add81]. one [Dah79, DZ88b, HB76, Pro88, ST75, SW75, Wan79, Zha89].

one- [Wan79].

**one-dimensional** [SW75].

**one-leg** [Dah79].**one-phase** [ST75]. only [DZ88b, Pro88, Zha89].

**operations** [Law74].

**Opinions** [Kro72].

**optimal** [EH79].

**Optimization** [Ano73r, MTW80].

**Order** [AA96, Str76, Str77, War76].

**Ordinary** [Ske79b, But79a, Coo79, Cur73, Dah79, Gla85, HB76, Hin80, Kro72, Str77].

**organizing** [Han77].

**oriented** [Gup72].

**orthogonal** [Bra87].

**Other**
package
[Gar86, GN81, GN84, Jon75, PP75, Kle78].
packages
[Boy75, CY79, Kel76, TK97, TC75, dP87].
Papers
[Ano73h, Ano73k, Ano73l, Ano93b, Ano93c].
PARA95 [DW95]. PARA96 [DW96].
parabolic
[PP75]. Parallel
[Ano73q, DW95, DW96, Hor74, Dun86a, Eva89, GN88, Kar85, LS75, NDM75].
parameter
[Whi94]. Parameterization
[Fel79a, For78, Smi79]. parameters
[BF79, Xan86].
part
[Nas90]. Partial
[Ano75, Mac89, Mad75, Ric76b, SS75].
participation
[Kel76]. Particular
[Kos96]. Pascal
[Vol79]. Past
[GOP +79, GOP +80]. patterns
[Boy75, TC75]. 360 [CCHT67]. 370 [Boy75, TC75]. 7600 [DM73]. 96 [Dry96].
IEC
[IFI92]. Penrose
[Zie81]. perfect
[Dun90a]. Performance
[CCHT67, Don84, Ric91]. Periodic
[Wan78]. permutation
[See80]. permutations
[Rob88]. persymmetric
[Gol78].
Perturbation
[DM73]. Ph.D.
[Ano71, Ano93a, Ano96c, Mol68a, Mol68b, Mol69b, Tra66, Tra67c]. phase
[ST75, SAW85]. phenomena
[Cyn88].
philosophy
[CG89]. Physical
[Ano73r, Cyn88]. Pioneer
[Gil98]. pipeline
[LS75]. pivoting
[CG85, ES75a, Mac89]. PL
[Dri82]. PL/1
[Dri82]. planar
[CW75a]. plans
[Gla85]. plea
[Kro71]. Point
[Bri94, Cod79, CKP+79, Fel79c, PS79, Rei79a, Ris76, RBSF93, Tyd94, BF79, Cle84, CCG+85, EL79, Hul79, Kah68, KP79, Lam79, Pay86]. Poisson
[Chi85].
Polynomial
[Che97, McN98, DJ79, Tra68].
Polynomials
[Ste69b, Lin81]. PORT
[Fox78, Fox79]. Portability
[But79b, DPS92, Dri82]. portable
[Fox78, HKL73]. positive
[Bra90]. possible
[TK97]. Potential
[Zie78a]. practice
[Du 79]. pre
[Hua76]. pre-conditioning
[Hua76]. precision
[Dit93, Rei80, Sch79a]. precompiler
[CY79]. pre-conditioning
[EH79]. Preferences
[Rei79b]. Present
[GOP +79, GOP +80]. presented
[Ano73k, Ano73l, BD95]. Principles
[Rei79b, Fox79]. Probability
[Bur73]. Problem
[Fos91, Kah71, Mac93, Ric96, GAA +86, Jen71, Kni72, Ste75].
Problems
[Ano73f, Kos96, ML67, Bra87, Chi86, Cur73, DM76, DGLP82, ES75b, ES87, GS75, MND75, PP75, Pri75, ST75, SAW85, SW75, Wit67]. Proceedings
[ACM79, Ano79, KM83, Ano75]. Process
[Ano73c, Eva80]. processing
[Gur78, Kar85]. Producing
[Sch79b, Sch79c]. product
[Par69]. Profile
[Fri73]. Program
[Ein73, Kah81a, RW71b, Ste91, Bol75, Bra90, BFF83, Dri79, MC79, OC70, PP75, SW75]. Programmable
[Dri79]. programmers
[Say80]. Programming
[ACM79, Ano73a, Fo91, Kah81a, LE85, Ric79, Ano79, CW75b, Ein86, Fel79b, GMSW85, Ric76a, Ric81b, Tee80, Wag84]. programs
[CPR69, Gan76, Kro72, SAW85]. project
[Ash89, For73]. proof
[Dun86b]. Propagation
[Del96, Duk96, Ber75, Cyn90, Dry96]. properties
[But79a, Dah79]. proportionality
[Ste79]. Proposal
[FW79, PS79, Pay86, PSW90, Aha85, DCHH85, DCDH87, Fel79a]. Proposed
[Cod79, CCG+85, CKP+79, DL85b, Fel79c, Law74, Bol75, FRS77, KP79, Kn76a, Kn76b]. PROSE
[Pfe87]. Provably
[Dun87a, Dun87b, Dun88]. provision
[Ein86]. PSE
[GAA +86]. pseudo
[Xan86]. pseudo-ODE
[Xan86]. pseudoinverse
[Gol78]. pseudorandom
[Ful87]. public
[Smi88a]. Publication
[Dun77, Ric76a, UF69]. Purdue
[Mol68c, Mol69c]. purpose
[CY79].
QMESH [Jon75]. QR [Rol90]. quadratic [GMSW85]. quadrature
Kah81b, Lyn88, Ric73. qualifying [Ano71, Mol68b, Mol68c, Mol69b, Mol69c, Tra66, Tra67a, Tra67c]. quasi [Sor81].
quasi-Newton [Sor81]. question [For70]. questions [SAW85, Tra67a].


Remark [Dry96, KK96]. Remarks [Ano98d, Ano98f]. Repeated [Han70]. Report [DW95, GOP+79, GOP+80, S8m3b].

Reports [Ano95b, Ano95c, Ano95d, Ano96a, Ano96b, Ano96c, Ano96d, Ano98a, Ano98b]. representation [EL81]. required [Par69]. Research [Ano73g, Ano73m, GOP+79, GOP+80, KM83, Ardo98a, Ric76a, RGO+79, Ric81a, SAW85, Voi81]. resource [CM78].


reversion [Law88]. Review [Hor74, Smi88a, Smi88b]. Reviews [Ano74a]. revision [Wag84]. Revisited [Duk96, LK96]. ROBust [Kle78].

Robustness [Kah81a]. Role [Car92, DPS92]. root [Rol87]. Roots [Car74, McN98, Lin81]. ROSEPACK [Kle78]. Rounding [Fig95]. Roundoff [DM73]. Routine [HS93, Hop97, Tur69].

Routines [Rw71b, Dun90c, Wit67]. rule [Dun80, Law88, Mol74]. Rules [AA96].

Runge [ES87]. Rutishauser [Zie81].

Safe [Lam79]. Saving [Bus87]. scaling [EH79]. Scandinavian [Ein78]. scheme [BHK83, Bol75, GS74]. Science [Ano71, Ano73d, Ard80, Cha87]. Scientific [Bat81, Cod71, Fos91, CG89, Dun72, Dun76a, Dun90b, GAA+86, Kul83, KM83, Smi83c]. Search [Gro92, Rol97]. Second [DW95, FJ79]. section [Fri73]. Seminar [Ano73m, Kob92]. separably [Lam79].

September [Ano73i]. sequence [Pro88, Zah89]. Sequential [Ano73q, Hor74, Eva89, GMSW85]. Series [Law88, DK72]. service [Ie85]. services [PP82]. Sessions [Ng73]. Set [FK96, DCHH85, DCDH87]. Set-Valued [FKK96]. shared [GN88]. sharp [Pri75].

shelf [CS83]. shell [CW75a]. short [Gla85]. should [Dun90c]. SIAM [Ano73a].

SIGmetrics [Ano93b]. SIGNUM [Ano75, Dry96, ACM79, Ano79, Frie72a, Han77, Rob73, Ske79b, Us069]. SIGNUMs [Rad73]. SIGs [RS97]. simple [Tec72].


Single-valued [PV83a, PV83b]. singular [Ham85]. Site [Ric96]. Six [Dr82]. sizes [Cyn90]. SLATEC [VH82]. Slow [GLJ+91].

Slowing [Cyn90]. soft [Kro87]. Software [ACM79, Ano731, Ano73p, Ano75, BB91, Bri95, But79b, Car92, Cod79, Cod80, DPS92, Fel79a, LS75, Pow73, Ric91, Sch79b, Smi98, AK79, Ano79, Bat75, BHK83, Boy79, C1182, CG79, Don84, DG85, Dri82, EJ76, Ein78, For78, FC84, Hak85, HKL73, Kel76, Kro71, Nas76, Nas90, Ric81a, Sch79c, Smi79, Wil86].

Solution
REFERENCES

Transition [Smi98]. Transportability [Du 79]. Transportable [Fel79a, For78, Sny79]. Trap [Tyd94, Ste68]. Traub [Hor74]. treating [Rup75]. triangularization [Hua78]. Tridiagonal [Eva89]. Trigonometric [PH83a, PH83b]. Turing [HAC+ 85]. Two [OR75, Hin80, Ker72, Par69, Smi79]. type [CW75a, DZ88a]. types [Ein86]. Typical [GS75].


Year [Ano95e]. York [Ano73].

Zero [Che97, OR75]. Zero-Finding [Che97]. zeros [Tra68]. Zielke [Tee74]. Zuse [Gil98].

References

Al-Alaoui:1996:CNI


Aird:1974:NSV


ACM:1979:PSC

REFERENCES

Addison:1981:SIT


Aird:1973:SUM


Aharonian:1985:MBP


Aird:1979:IES


Akima:1996:NLM


Anonymous:1971:SUC


Anonymous:1973:ISM


Anonymous:1973:ANC


Anonymous:1973:ASC


Anonymous:1973:CSC


Anonymous:1973:CC

REFERENCES

ISSN 0163-5778 (print), 1558-0237 (electronic).

Anonymous:1973:CCP


Anonymous:1973:CRM


Anonymous:1973:ICCb


Anonymous:1973:ICCa


Anonymous:1973:NCC


Anonymous:1973:PPA


Anonymous:1973:PPL


Anonymous:1973:SGI


Anonymous:1973:SFM


Anonymous:1973:SEI

REFERENCES

Anonymous:1973:SMS


Anonymous:1973:SCS


Anonymous:1973:SNM


Anonymous:1974:BR


Anonymous:1974:TC


Anonymous:1975:PSM


Anonymous:1979:PSC


Anonymous:1986:MBM


Anonymous:1991:MLA


Anonymous:1993:APT

REFERENCES


Anonymous:1996:PT

Anonymous:1996:WMC

Anonymous:1997:MS

Anonymous:1998:CIR

Anonymous:1998:DCI

Anonymous:1998:DRB

Anonymous:1998:ER

Anonymous:1998:LC

Anonymous:1998:LER

Anonymous:1998:RB

Arden:1980:WCA

Anonymous:1996:PT


Anonymous:1996:WMC


Anonymous:1997:MS


Anonymous:1998:CIR


Anonymous:1998:DCI


Anonymous:1998:DRB


Anonymous:1998:ER


Anonymous:1998:LC


Anonymous:1998:LER


Anonymous:1998:RB


Arden:1980:WCA

Bruce W. Arden, editor. *What can be automated?: The computer science and engineering research study (COSERS)*, volume 3 of The MIT Press series in computer science. MIT Press, Cambridge, MA, USA.
REFERENCES


Ashenhurst:1969:ECP


Bailey:1998:FMN


Battiste:1975:MSP


Battiste:1981:SCU


Bartholomew-Biggs:1991:AST


Berzins:1988:SIN


Bischof:1995:CAD


Bertholf:1975:NMN


Brown:1979:EPB


Brown:1983:ILA

REFERENCES


REFERENCES

[Briggs:1994:HSF]

[BrinchHansen:1995:SS]

[Brown:1973:RCC]

[Burstein:1973:SPF]


[Butcher:1979:SPG]
J. C. Butcher. Stability properties for a general class of methods for ordinary differential equations. In Skeel [Ske79b], page ??

[Butler:1979:PNE]

[Carta:1974:HLR]

[Carroll:1992:RCS]

[Cody:1985:PRW]
REFERENCES

Clark:1967:PSF

Coughran:1979:NLN

Chu:1985:NEE

Coughran:1989:PSC

Chen:1997:SNI

Chikhliwala:1985:DIF

Chiang:1986:UMS

Chiang:1997:SSI

Coonen:1979:PSB
REFERENCES

*Newsletter*, 14(3S (Special issue)): 4–12, October 1979. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).

Clemmesen:1984:IAI


Cline:1982:CMS


Cuthill:1978:MRN


Cody:1971:DHC


Cody:1979:IP1


Cody:1980:SBC


Cody:1988:NVM


Cooper:1979:LEE

G. J. Cooper. Local error estimates for linear methods for ordinary differential equations. In Skeel [Ske79b], page ??

Corbett:1983:EAF


Casaletto:1969:CSN

REFERENCES


REFERENCES


REFERENCES


[DJ79] Roy Danchick and Mario L. Juncaosa. On the existence of maximum polynomial degree Nordsieck–Gear \((k, p)\) methods for all \((k, p)\). In Skeel [Ske79b], page ??


SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).


Dunham:1976:BUS


Dunham:1976:CAN


Dunham:1977:PNA


Dunham:1980:CRR


Dunham:1986:CPF


Dunham:1986:TES


Dunham:1987:PMAa


Dunham:1987:PMAb


Dunham:1988:PMA


Dunham:1989:ICA

REFERENCES


EDelman:1991:FAL


Einarsson:1973:IWG


Evans:1977:NCT


Einarsson:1978:SSA


Evans:1979:COS


Einarsson:1986:MLP


Edwards:1975:CCC


Ehle:1974:SCC


Eisenstat:1981:BAF

REFERENCES

Eggers:1979:HFP


Engel:1974:CFS


Eisenstat:1975:EIS


Engquist:1975:DSA


Evans:1980:IMI


Evans:1989:CSP


Farkas:1974:CNL


Farkas:1975:E


Farkas:1976:CNL


Ford:1977:NLM

[FB77] Brian Ford and Janet Bentley. The NAG Library “machine”. ACM
REFERENCES


Fritsch:1984:ASM


Feldstein:1973:VI


Feldman:1979:CIW


Feldman:1979:PLE


Feldman:1979:IPS

[Fel79c] Stuart I. Feldman. The impact of the proposed standard for floating point arithmetic on languages and systems. ACM SIGNUM Newsletter, 14(3S (Special issue)):31–32, October 1979. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).

Feldman:1979:IPS


Finkelstein:1996:AEE

REFERENCES

Forsythe:1970:SEQ


Ford:1973:NAG


Ford:1978:PET


Fosdick:1991:IWC


Fox:1979:DPP

[Fox79] Phyllis Fox. Design principles of the PORT library. In ACM [ACM79], pages 80–82.

Francis:1981:ECN


Franke:1990:TCA


Fritsch:1972:SNN


Fritsch:1972:TDT


Fritsch:1973:PNM

[Fri73] Fred N. Fritsch. Profile on the numerical mathematics section of

**Ford:1977:TPA**


**Fujita:1979:SSN**

Shohei Fujita. Structural stability and the numerical methods for stiff differential systems. In Skeel [Ske79], page ??

**Fulda:1986:NMD**


**Fullerton:1987:NPN**


**Fraley:1979:PED**


**Gaffney:1986:NTP**


**Gander:1986:DDP**


**Giloi:1998:KZR**


**Gladwell:1985:NLO**

I. Gladwell. The NAG library ordinary differential equations chapter and short term plans for its ex-

Genz:1991:FGG


Gill:1985:SII


George:1981:BDS


George:1984:NRS


George:1988:SSM


Goldstein:1978:FDP


Gear:1979:NCR


Gear:1980:NCR

REFERENCES


REFERENCES

Hansen:1968:IEE


Hanson:1969:CLE


Hansen:1970:RA


Hanson:1973:IEP


Hodge:1995:AFD


Higginbotham:1986:AF


Hindmarsh:1976:NSO


Hindmarsh:1980:LLT

REFERENCES


Hodge:1996:MI


Hopkins:1997:RBL


Horowitz:1974:RCS


Hull:1973:WYB


Hull:1979:DFP


Huang:1976:NPC


Huang:1978:TAM


Huang:1979:TAM


Hull:1973:WYB

REFERENCES

Iles:1985:TDS


Jensen:1971:MP


Jerrell:1989:ADU


Johnson:1975:SCA


Jones:1975:QMG


Jones:1979:ADA

Rondall E. Jones. Activities of the DOE Advanced Computing Com-

Jones:1982:NAD


Kahan:1968:FAC

W. Kahan. Four aphorisms concerning floating point hardware design. ACM SIGNUM Newsletter, 3(2):??, July 1968. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).

Kahan:1971:P


Kahan:1972:MHK


Kahan:1981:PEC

REFERENCES

Kahaner:1981:BNQ


Kahan:1991:ARL


Karp:1985:PPC


Khan:1990:NCN


Kelman:1976:FLA


Kershaw:1972:EFT


Koshelev:1996:WMI


Klema:1978:RRS


Kulisch:1983:NAS


Knight:1972:PJ


Knight:1976:DPA

[Kni76a] W. R. Knight. Draft proposed ANS FORTRAN. *ACM SIGNUM
REFERENCES

Knight:1976:LEC

Knight:1977:DOE

Knight:1987:AAB

Kobayashi:1992:SSW

Koshelev:1996:CCP

Kahan:1979:PFP

Kreinovich:1995:IRA

Kreinovich:1996:WAC
Vladik Kreinovich. With what accuracy can we measure masses if we have an (approximately known) mass standard. *ACM SIGNUM Newsletter*, 31(4):26–34, October 1996. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).

Krogh:1971:PTE

Krogh:1972:OMC
Fred T. Krogh. Opinions on matters connected with the evaluation

**Krogh:** 1987: MHC


**Koshelev:** 1997: ESN


**Kulisch:** 1983: EFS


**Lambert:** 1979: SPM

J. D. Lambert. Safe point methods for separably stiff systems. In Skeel [Ske79b], page ??

**Lawson:** 1968: SCM


**Lawson:** 1972: SSL


**Lawson:** 1973: E


**Lawson:** 1974: PSS


**Lawson:** 1979: NT


**Lawson:** 1988: SRR


**Lipps:** 1985: PTL

REFERENCES


REFERENCES

McNamee:1998:CMA


Miller:1979:CT


Moler:1967:P


Matuska:1975:AHC


Moler:1968:PDQ


Moler:1968:PDQ


Moler:1968:PDQ


Moler:1969:MSC


Moler:1969:PDQ


Moler:1969:PUN


Moler:1969:SAM

REFERENCES

Moler:1972:MGF


Moler:1974:CRS


Moore:1980:MIA


Morris:1969:CAC


More:1980:O


Nash:1976:NSM


Nash:1990:HEU


Needham:1975:AHD


Ng:1973:ASS


Nikolai:1972:FEC

Nguyen:1997:ICS


Oldehoeft:1970:IEP


Oster:1975:TDN


Ortega:1966:STN


Osterweil:1979:UTV


Parlett:1967:EA


Parlett:1969:NNM


Payne:1986:PTF


Pfeiffer:1987:ADP


Payne:1983:DRT

Payne:1983:RRT


Powell:1973:MSC


Polak:1975:TPP


Phillips:1982:NMB


Presser:1979:FT


Price:1975:AFE


Proskurowski:1988:DSM


Payne:1979:DPB


Payne:1990:PLC


Pyszalski:1983:SCD

REFERENCES


Pyzalski:1983:SVC


Radbill:1973:LS


Ris:1993:WFP


Reid:1979:FMF


Reinsch:1979:PPC


Rice:1979:NCN


Rheinboldt:1969:NSE


Rice:1973:EAQ

REFERENCES


ROLFE:1988:GPN


ROLFE:1990:TCH


ROLFE:1997:ADC


RADA:1997:NSE


RUPPEL:1975:RDN


SAYLOR:1980:NML


SHAMPINE:1982:ARN


RUPPEL:1975:RDN


REDISH:1971:EEN


REDISH:1971:SEE


SAYLOR:1980:NML


SHAMPINE:1982:ARN

REFERENCES

Schenk:1979:NPD


Schryer:1979:UEPa


Schryer:1979:UEPb


Seehusen:1980:AGS


Shampine:1972:SNE


Skeel:1979:ILB


Skeel:1979:SMN


Smith:1979:CTR


Smith:1983:EA


Smith:1983:SRF


Smith:1983:TML


Smith:1988:FPR

[Smi88a] Brian T. Smith. Fortran 8x — its public review. ACM SIGNUM
REFERENCES


Smith:1988:RAF


Smith:1998:TNS


Snyder:1979:TSM


Sorensen:1981:ECQ


Swarztrauber:1975:EFS


Shampine:1975:EMN


Stenger:1968:TC


Stewart:1975:IPT


Stetter:1979:TPO


Stewart:1980:MTN

REFERENCES


REFERENCES

Tee:1972:SEI


Tee:1974:EZM


Tee:1980:KEA


Temperton:1983:CVC


Thompson:1987:IEF


TrejoRamirez:1997:HRN


Traub:1966:PDQ


Traub:1967:EQQ


Traub:1967:NAA


Traub:1967:PDQ

REFERENCES


REFERENCES

Wang:1978:EPF


Wanner:1979:SOM

[Gerhard Wanner. A-stability of one- and multistep methods. In Skeel [Ske79b], page ??]

Warner:1976:NVO


Warming:1979:FSL


Ward:1980:NLG


Whiten:1994:DPR


Williams:1986:MSE


Wisniewski:1978:SEC


Witte:1967:CTT

[Bruno F. W. Witte. Comparative tabulations of test problems and test results for mathematical computer routines. ACM SIGNUM Newsletter, 2(3):??. December 1967. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).]

Whiten:1995:RTF

REFERENCES

Walster:1996:UBE

Xanthis:1986:POM

Zahir:1989:CAD

Zielke:1973:NTM

Zielke:1974:GTM

Zielke:1978:IRG

Zielke:1978:TMG

Zielke:1981:GRT