A Bibliography of Numerical Analysis Publications, 2000–2009

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Title word cross-reference

10×10 [BLWW07]. R^n [CL02].

-Digit [BLWW07].

100-digit [BLWW04].

2001 [BBCM03]. **2003** [FDKN04]. **2005** [IL07]. **2007** [DFM+07]. **2nd** [Atk05].

3rd [Atk05].

4th [BBCM03].

50th [DFM+07]. **5th** [Dim03, FDKN04, IL07].

6 [BB02, EKH02, HL01, Pal01].

7 [EMK04, EKM05, HL05, Pal05]. **75th** [DFM+07].

Accuracy [Ein05a, Ein05b, Hig02, BLWW04]. **Acta** [Ise04]. **Adaptive** [Lan00]. **Advanced** [FDKN04, KP00, Ric02, BBCM03, EM07]. **Advances** [LBQ00]. **Algebra** [Hog07, EM07, FH05, HvdV00, Mey00, Rob05, Ste04, Str09]. **algebraic** [ARRY01, BDDR00]. **algorithm** [Lan00]. **algorithmic** [Gri00, GW08]. **Algorithms** [CG05, Hig02, KK02, Ste01, Gal00, Meu06, IL07]. **along** [BLWW07]. **Analysis** [Atk05, CL02, Fau08, Hou06a, Hou06b, Kam00, Neu01, Rit00, Var09, VWY01, Whi04, AC01, All07, AH04, BPMB00, Bau00, Bur05, CR00, Cha08, Dat04, Epp02, GW04, HvdV00, Ips09, Ise09, Kar01, KC02, KC09, Lea04, LVW05, Mey00, Moi01, MKC09, Nak02, Rah05, RR01, Sch02, SB02, SM03, Var00, Zar04, vDHvdV00]. **Analytic** [Dor00]. **analytical** [BTM09, Dub03, Goc02]. **anniversary** [DFM+07]. **application** [Kom03]. **Applications** [CG05, FDKN04, vR01, Ser02, VWY01, Zha05, BBCM03, Che05, Dim03, Gil04, Gil05, GS08, Lan00, LVW05, Rec00, Rob05, RLM06, Tra00, Van00b]. **Applied** [Cha05, Fau08, GW04, Rah05, Rao02, SH00, YCCM05, Anc02, Mey00]. **Approach** [GK05, KK02, KG01, Anc02, Bis04, Dor00, KG06, Sha06, Sha09, TW05, Van00a]. **Approximating** [ES00]. **Approximation** [IL07, Gal08, ZM06]. **Arithmetic** [Ove01]. **arrival** [DFM+07]. **Art** [DFM+07, PTVF07]. **August** [Dim03, FDKN04]. **Average** [Rit00]. **Average-Case** [Rit00].

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C [Mei05, Flo00, KK02, SH00, Sha06, Sha09, SHHS04]. **C.** [Mei05]. **Calculation** [Kin07]. **Carlo** [ES00]. **Case** [O'L09, Rit00]. **CD** [Dak06]. **celebrating** [DFM+07]. **Challenge** [BLWW07, BLWW04]. **chemistry** [Har01]. **Chester** [IL07]. **Circles** [Var04]. **codes** [GH01]. **cognitive** [ABC06]. **Commentaries** [CGO07, Gol07]. **Complement** [Zha05]. **complex** [Gal08]. **comprehensive** [HL01]. **Computation** [CGO07, Hig08, AB01, Bis04, CR00, Gol07, Kap04, Lea04, PF05]. **Computational** [Anc02, DFM+07, Gen02, Har01, Lan08, vR01, Str07, Whi04, DJKP07, KS05a, KS05b, Sha09, TW05, Van00b]. **Computations** [GK02, Lys03, VvBM08, Wat02, Eat00, Eat02, Eat05, EBH08, GV07, Meu06]. **Computer** [EM07, Zar04]. **computers** [BT06]. **Computing** [AGM04, DB08, DFM+07, Ein05a, KK02, Law05, Mak03, O'L09, Ove01,

PTVF07, Yos02, BLWW04, CGL03, CL02, CHT02, DJKP07, DB02, Ein05b, GH04, Gra07, Hei06, KC02, KC09, Kle09, LWA+05, LBQ00, LW03, MR01, Mol04, Mol08, QS03, QS06, RLM06, SHHS04, Tur00, Tur01, Van00a, Whi07]. **Concise** [Pla03]. **Conference** [BBCM03, Dim03, FDKN04, IL07, VWY01, DFM+07, LVW05]. **conjugate** [Meu06]. **Continuum** [RLM06]. **control** [Dat04]. **Course** [Kam00, AR06, Ise09, LWA+05, RR01]. **Cruncher** [Mak03]. **Current** [CGL03]. **Curves** [Gal00].

data [Cha08, Eld07, Kle09]. **demystified** [McM07]. **derivatives** [Gri00, GW08]. **design** [Dat04, Dor00]. **deterministic** [ES00]. **Differential** [Ban01, BPMB00, Bau00, BT06, CKO02, DB02, Goc02, Ise09, KA03, LT03, Lar05, MR01, Sta05b, TW05]. **differentiation** [Gri00, GW08]. **Digit** [BLWW07, BLWW04]. **Direct** [Dav06, Kin07]. **Directions** [DFM+07]. **Dynamical** [Gov00].

economics [Bra06]. **Edition** [Atk05, Eat00]. **Eigensystems** [Ste01]. **Eigenvalue** [CG05, Kre05, BDDR00, Wat07]. **Einführung** [Mei05]. **electrical** [Zar04]. **Electrodynamics** [vR01, Van00b]. **electromagnetics** [StM05]. **Element** [BS08, AB01, BS01, BG09, Car01, DK01, KB00, Poz02, ZT00, Zim04]. **Elementary** [AH04, Atk05, CKO02]. **Elements** [Gen02, Whi07, ZM06]. **Elliptic** [Kin07, KA03]. **emphasis** [AC01]. **Engineering** [Kiu05, Lys03, Urr01a, Anc02, Moi01, Str07, Urr01b]. **Engineers** [Rao02, Ant02, BB02, Cha00, Cha02, Cha05, CC06, Dub03, GS08, Hah02, Pal01, Pal05, SH00, Zar04]. **entlang** [BLWW07]. **ENUMATH** [BBCM03, FDKN04]. **equation** [Mai00, Mei05]. **Equations** [CL02, BPMB00, Ban01, Bau00, BT06, CKO02, DB02, Goc02, Ise09, KA03, LT03, Lar05, MR01, Sta05b, TW05]. **Equilibria** [Gov00]. **Essential** [Hah02]. **European** [BBCM03, FDKN04]. **Evaluating** [Gri00, GW08]. **evolution** [Kom03]. **examples** [Rob05]. **Exercises** [Liu06, Ove01]. **experienced** [HLR01, HLR06]. **Exploring** [LW03].

Facts [Ber09]. **feedback** [Dor00]. **finance** [Bra02, Bra06]. **Finite** [AB01, BS08, LeV02, ZM06, BS01, BG09, DK01, KB00, Meu06, ZT00, Zim04]. **First** [Kam00, Ise09, LWA+05, RR01]. **Floating** [Ove01]. **fluids** [CL02]. **foray** [BLWW07]. **Formulas** [Ber09]. **Forsythe** [DFM+07]. **Fortran90** [LWA+05]. **Fourier** [Kam00]. **Functions** [GST07, Hig08, Kin07]. **Fundamentals** [Moi01, Wat02, RLM06]. **Future** [DFM+07].

gems [PF05]. **Gene** [DFM+07, CGO07, Gol07]. **General** [Kre05, PF05]. **general-purpose** [PF05]. **Generalized** [CM09]. **geometric** [Gal00, IQF02]. **geometry** [FH05]. **George** [DFM+07]. **German** [Mei05, BLWW07]. **Gersgorin** [Var04]. **Gleichungssysteme** [Mei05]. **GNU**

[Eat00, Eat02, Eat05, EBH08, GDT+02]. **Golub** [DFM+07, CGO07, Gol07]. **GPU** [PF05]. **GR** [Wat07]. **gradient** [Meu06]. **graphic** [LWA+05, Nak02]. **graphical** [Ban01]. **graphics** [PF05]. **Guide** [BBD+01, HH00, Mak03, Tur00, Tur01, Yos02, EM07, HH05, HLR01, HLR06, Poz02].

H [CGO07, Gol07]. **Handbook** [CL02, Hog07, KS05b]. **heat** [Mai00]. **high** [BLWW04, Eat00, Eat02, Eat05, EBH08, PF05]. **high-accuracy** [BLWW04]. **high-level** [Eat00, Eat02, Eat05, EBH08]. **high-performance** [PF05]. **Hundred** [Ove01]. **hyperbolic** [LeV02].

IEEE [Ove01]. **II** [Ste01]. **III** [HvdV00]. **implementation** [Bes01, Mei05]. **implementations** [Rec00]. **Implementierung** [Mei05]. **Including** [Ove01]. **integral** [BPMB00, Mai00]. **Integrals** [Kin07, ES00]. **integration** [KS05b]. **intensive** [GH01]. **interactive** [Anc02, Eat00, Eat02, Eat05, EBH08]. **International** [Dim03, IL07, VWY01, LVW05]. **Internet** [Tra00]. **interpolation** [Dor00]. **interval** [MKC09]. **Introduction** [Abe07, Atk05, EKH02, EMK04, EKM05, Flo00, GK05, KG01, Law05, MKC09, Neu01, Pal01, Pal05, Sta05a, Sta05b, SB02, Str09, TW05, Van00a, All07, Att09, Bes01, Bra02, Bra06, DJKP07, Epp02, Gil04, Gil05, GS08, Han08, Har01, Kap04, KG06, LW03, Mei05, OD05, Sch02, SM03, Zar04]. **Introductory** [DK01]. **Inverse** [CG05, KS05a]. **Inverses** [CM09]. **Ischia** [BBCM03]. **Issues** [AGM04]. **Itanium** [CHT02]. **Itanium-based** [CHT02]. **Iterative** [GK02, Saa03, Var09, Var00].

Java [Bes01, LWA+05, Mak03, SHHS04]. **journey** [CR00]. **July** [BBCM03, IL07, LVW05]. **June** [LVW05, VWY01].

Krylov [Wat07].

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Manual [GDT+02, EBH08]. **Maple** [AR06, CKO02, GH04, LWA+05, Ric02]. **March** [DFM+07]. **Mastering** [HL01, HL05]. **Mathematica** [Bau00, Dub03, LWA+05, MR01, RLM06]. **Mathematical** [AW05, BS08, CR00, Sha09, All07, AR06, KP00, Liu04, Liu06, MR01, Ric02, Sch02]. **Mathematics** [Ber09, DFM+07, FDKN04, Whi04, BBCM03, KC02, KC09, Pla03, QSS00]. **MATLAB** [Mei05, Atk05, Att09, BB02, Bra02, Bra06, Cha00, Cha02, Cha05, Dak06, DJKP07, DS05, EMK04, EKM05, Fau08, GH04, Gil04, Gil05, GS08,

GK05, Hah02, HL01, HL05, Her01, HH00, HH05, HLR01, HLR06, Kar01, KG01, KG06, KB00, LW03, Lys03, MF04, McM07, Mei05, Mol04, Mol08, Nak02, OD05, Pal01, Pal05, QS03, QS06, Rec00, SH00, SD02, Sta05a, Sta05b, Tre00, Van00a, Whi04, YCCM05, EKH02, Kiu05, Kun04, Law05, PL00]. **MATLAB-based** [Bra02, Bra06]. **MATLAB-Implementierung** [Mei05]. **MATLAB(R)** [BTM09, Whi07]. **Matrices** [Hig08, Hou06b, Ser02, VvBM08]. **Matrix** [Ber09, CGO07, Che05, Eld07, GK02, GV07, Mey00, Ste01, VvBM08, Var00, Var09, Wat02, CR00, Gol07, Ips09, Van00a, Wat07, Whi07]. **mechanics** [RLM06]. **method** [BS01, Car01, DK01, Kom03, KB00, ZT00]. **Methods** [AW05, BS08, DB08, Flo00, GST07, GK02, Gov00, GK05, KG01, Kiu05, Kre05, Liu04, Rao02, vR01, Tre00, Urr01a, Whi04, Abe07, ARRY01, Anc02, Ant02, AR06, Ban01, Bes01, BTM09, BG09, Bra02, Bra06, Cha05, CC06, CL02, DB03, Dat04, Dav06, Dim03, Dub03, Eld07, Epp02, ES00, FB03, Gar00, GS08, Goc02, Har01, Hei06, KP00, KG06, KA03, KS05b, LT03, Lar05, LeV02, LW03, Liu06, MF04, Mei05, Mon01, OD05, PL00, Poz02, Rec00, Ric02, Saa03, StM05, SH00, Sha06, Urr01b, Van00b, Wat07, YCCM05, Zim04]. **Milestones** [CGO07, Gol07]. **mining** [Eld07]. **Modeling** [Kle09, EM07, Gal00, LWA+05, Whi07]. **modelling** [All07, IQF02, Zim04]. **Models** [Whi04]. **modern** [Mei05]. **moderne** [Mei05]. **Monte** [ES00]. **MPI** [Bis04, KK02, Whi04]. **multigrid** [BHM00]. **multilevel** [Lan00]. **multiresolution** [IQF02].

NAA [LVW05, VWY01]. **NMA** [Dim03]. **nonlinear** [AC01, Lan00]. **notes** [IQF02]. **Number** [Mak03]. **numeric** [LWA+05]. **numerica** [Ise04]. **Numerical** [All07, AGM04, Ant02, Atk05, BPMB00, BTM09, Bra02, Bra06, BBCM03, BT06, Bur05, CC06, CL02, DB03, DB08, Dat04, DFM+07, Dub03, FB03, Fau08, FDKN04, Flo00, Gar00, GST07, GS08, Gov00, Gra07, GK05, HvdV00, Hei06, Hig02, Hou06a, Hou06b, Ips09, Kar01, KG01, KC02, KC09, Kin07, Kiu05, KA03, Kre05, Lea04, Mak03, MF04, Mol04, Mol08, Mon01, Nak02, Neu01, NW06, Ove01, PL00, PTVF07, QSS00, Rao02, Rec00, vR01, Rit00, Sch02, Ste04, Urr01a, Urr01b, Van00b, vDHvdV00, Abe07, AC01, AH04, Ban01, Bes01, BLWW04, BLWW07, Cha05, Eat00, Eat02, Eat05, EBH08, Epp02, GW04, Goc02, Ise09, KG06, LT03, Lar05, LW03, Moi01, OD05, Pla03, Rah05, RR01, StM05, SH00, Sha06, Sta05a, Sta05b, SB02, SM03]. **numerical** [YCCM05, Zar04, BBCM03, Dim03, FDKN04, LVW05, Mei05, VWY01]. **numerically** [GH01]. **Numerik** [Mei05]. **numerischer** [BLWW07].

Object [Bes01, Sha06, Sha09]. **Object-oriented** [Bes01, Sha06, Sha09]. **objects** [Sha09]. **Octave** [Eat00, EBH08, Eat00, Eat02, Eat05, QS06]. **One** [Ove01]. **Optimization** [NW06, All07, GH01]. **ordinary** [DB02, MR01, Sta05b, BPMB00]. **oriented** [Bes01, Sha06, Sha09].

Papers [Dim03, VWY01, LVW05]. **parabolic** [KA03, Lan00]. **Parallel** [Bis04, KK02, BT06]. **part** [CL02]. **Partial** [Goc02, LT03, Lar05, BT06, KA03, Sta05b, TW05]. **pattern** [Eld07]. **PDE** [Lan00]. **PDEs** [Sha06]. **Performance** [GH01, PF05]. **Physicists** [AW05]. **physics** [Anc02, Gar00, Har01, KP00, Liu04, Liu06]. **Point** [Ove01]. **polynomial** [Ste04]. **polynomials** [Gal08]. **Practical** [FH05, vR01, Att09, Poz02, Van00b]. **Prague** [FDKN04]. **precise** [Abe07]. **precision** [Meu06]. **preconditioning** [Che05]. **preliminaries** [Sta05a]. **preserving** [Gal08]. **primer** [DS05, SD02]. **Principles** [Hou06a, Car01, Gri00, GW08]. **probability** [CKO02]. **problem** [Att09, Wat07]. **Probleme** [BLWW07]. **Problems** [CG05, Kre05, Rit00, SHHS04, AC01, AB01, BDDR00, BLWW07, GH04, KS05a, LeV02, MR01]. **Proceedings** [FDKN04, IL07, BBCM03]. **Process** [Zim04]. **Processing** [Mal09]. **Programmer** [Mak03]. **Programming** [Her01, Att09, Cha08, Cha00, Cha02, Kap04, Kun04, OD05, PF05]. **projects** [DJKP07]. **pseudospectra** [TE05]. **purpose** [PF05]. **Python** [Lan08].

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school [IQF02]. **Schur** [Zha05]. **Science** [Lan08, Urr01a, Str07, Urr01b]. **Scientific** [CHT02, DB08, DB02, Ein05a, GDT+02, KK02, Law05, Lys03, MR01, O'L09, PTVF07, QS03, QS06, Yos02, ABC06, Bis04, CR00, CGL03, CL02, DJKP07, Ein05b, EM07, GH04, Hei06, Kap04, KC02, KC09, Kle09, LWA+05, LBQ00, Lea04, LW03, RLM06, SHHS04, Tur00, Tur01, Van00a]. **Scientist** [AGM04]. **Scientists** [Rao02, Ant02, Cha05, Dub03, GS08, Hah02]. **SCILAB** [Urr01a, Urr01b]. **Scripting** [Lan08]. **Seamless** [KK02]. **Second** [VWY01]. **Selected** [CGO07, Gol07, LVW05]. **Semiseparable** [VvBM08]. **Set** [Atk05]. **Shape** [Gal08]. **Shape-preserving** [Gal08]. **short** [AR06, Han08]. **SIAM** [BLWW07, BLWW04]. **Signal** [Mal09]. **simulation** [All07, Zim04]. **simulations** [SHHS04]. **SIMULINK** [Gra07]. **Simultaneous** [RR00]. **Smalltalk** [Bes01]. **Social** [AGM04]. **Software** [Cha08, LBQ00, Poz02]. **Solution** [CL02, AB01, BDDR00, BLWW07, BT06, Lan00]. **solutions** [SHHS04]. **solved** [DJKP07]. **Solving** [GH04, Sha06, Att09, Mai00]. **Sparse** [Mal09, Dav06, Saa03]. **Special** [GST07, StM05, AC01]. **Spectra** [TE05]. **Spectral** [Tre00]. **spreadsheets** [Kar01]. **squares** [BG09]. **Stability** [Hig02]. **Stanford** [DFM+07, DFM+07]. **State** [DFM+07]. **Statistical** [AGM04, KS05a, Urr01a, Urr01b]. **Statistics** [Gen02, Han08, Mon01]. **stochastic** [CKO02]. **Streifzug** [BLWW07]. **structure** [ABC06].

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Techniques [CL02, Che05, Gri00, GW08, Kle09, PF05]. **Templates** [BDDR00]. **Theorem** [Ove01]. **Theory** [Ber09, BS08, CG05, Hig08, Hou06b, Ser02, AB01, CR00, Gal00, Lan00, Meu06]. **Thermal** [Mai00]. **third** [LVW05]. **Thumb** [Ove01]. **toolbox** [FH05]. **tools** [Kle09, LBQ00, Sha09]. **Topics** [AC01]. **Tour** [Mal09]. **Transformations** [CM09]. **transforms** [Mai00]. **trends** [CGL03]. **Triangularization** [RR00]. **tutor** [Dak06]. **tutorial** [BHM00, HL01]. **Tutorials** [IQF02]. **twelve** [DJKP07].

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