

# A Bibliography of Numerical Analysis Publications, 2010–2019

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## Title word cross-reference

**0** [Bor14].  
**1** [SS18a].  
**2** [SS18b]. **2010** [BJ12]. **2011** [ABIL13].  
**3** [DW11, Kiu13].  
**5th** [Gre16b].  
**60th** [BBB<sup>+</sup>13].  
**8** [HLR14].  
**978** [Bor14]. **978-2-9700636-5-0** [Bor14].

**accelerators** [KBD10]. **Algebra**  
[AI14, BR11, BV18, BCS14, CK14, GH17,  
Gru14, Hog14, Lay14, MM18, Sin13, Dat10,  
Dav12, KG11]. **Algorithm** [Wat11].  
**algorithmic** [Nau11]. **Algorithmische**  
[KW12]. **Algorithms**  
[BCS14, Mul16, BM17, KG11, Mag10, SS18a].  
**Analysis** [ABIL13, BR11, Blo14, BJ12,  
CF13, GMQS17, GHLS12, Ham12, HJ12,  
LR12, Mil14, NF14, RZ16, SS14, AAKS10,  
BMPW10, Bra14, BF10, FM10, GS12,  
How17, Lan10, Lau12, MMS17, Moi10,  
Oña10, Sco11, BC10]. **analytical**  
[BBB<sup>+</sup>13, GS12]. **APIs** [Meh15].  
**Applicable** [GMQS17]. **Applications**  
[ABIL13, BCS14, GM10, HPS13, Lay14,  
Mol12, Sch17, B10, BLW11, Che11, Dat10,  
Dav12, FM10, KM10a, KM11, LB13, RZ15,  
Riz12, SS18b]. **Applied**

[BV18, Ham12, Reb12]. **approach** [KG12, Sha12]. **Approximate** [LR12]. **Approximation** [GMR11, GMQS17, HH13, Tre13, Coh11, GV11]. **Approximations** [ABIL13, AH12]. **aproximação** [GV11]. **Archive** [Bor14]. **Arithmetic** [KM10b, BM17]. **art** [Nau11]. **assisted** [NPW19]. **Asymptotic** [Tem15].

**B** [HH13]. **B-splines** [HH13]. **Backward** [CF13]. **Band** [KW12]. **Basic** [Zha11]. **beginners** [HLR14]. **Berlin** [Gre16b]. **big** [Kut13]. **bioengineering** [KM10a, KM11]. **birth** [BC10]. **Birthday** [BBB<sup>+</sup>13]. **Book** [Bor14]. **Borwein** [BBB<sup>+</sup>13]. **Boundary** [SH11].

**C** [EK12, Sha12]. **calculation** [BMPW10]. **Carlo** [DP10, GT13, RC10]. **Cetraro** [ABIL13]. **Chasing** [Wul12]. **Chebyshev** [Boy14]. **Classical** [AAKS10, SS18b]. **Claude** [Bor14]. **coding** [SS18a]. **Collocation** [Sch17]. **combinatorial** [Mol12]. **Commentaries** [BS13, BS14a, BS14b, KO10]. **companion** [Den13, Gre16a]. **complete** [Meh15]. **Complex** [GMQS17, Kut13]. **Comprehensive** [AWH13]. **Computation** [Bee17, GMR11, RZ16, Kut13]. **Computational** [BBB<sup>+</sup>13, HRSW13, How17, Lau12, ŠH12, War13, Bra14, Nah11, Tra10, VF10]. **Computations** [GV13, Wat10, Tuc11]. **Computer** [BM17, NPW19, BS10, Dav12, Nau11, SS18a]. **Computer-assisted** [NPW19]. **Computers** [Kne16, Kne17]. **Computing** [GW12, NF14, BS11, EK12, Gus11, HH14, KBD10, Mag10, Meh15, OR10, Poz13, QSG10, QSG14, Ros13, Ros14, TLNC10, VF10]. **Conference** [Gre16b, RZ15]. **Congress** [FVJT10]. **Consumer** [Wal14]. **Continuous** [KD14]. **Control** [KD14]. **cookbook** [Ros14]. **Coq** [BM17]. **Cosmology** [Gre16a]. **Course**

[GH17, AG11, Reb12]. **courses** [FM10]. **crunching** [Nah11].

**Data** [Bra14, HPS13, Kut13, MMS17, Riz12, Ros13, Ros14]. **Data-driven** [Kut13]. **Deconvolution** [LR12]. **Derivative** [HRSW13]. **destin** [Bor14, PR12]. **diferenciais** [GV11]. **difference** [LQT18]. **Differential** [AI14, NPW19, Sch17, Dav11a, GV11, GH10, GS12, LQT18, SS18a, SS18b, SCM12]. **differentiating** [Nau11]. **differentiation** [Nau11]. **Digital** [DP10]. **dimensional** [ÖM13]. **discrepancy** [DP10]. **dououreux** [Bor14, PR12]. **driven** [Kut13]. **Durham** [BJ12]. **dynamic** [KA11]. **Dynamical** [CK14].

**Ed** [Bor14]. **Eigenvalue** [Saa11]. **Eigenvalues** [CCAL12]. **Einstein** [BS10]. **Element** [HRSW13, Che11, Dav11a, GV11, LB13, LQT18, Oña10]. **Elementary** [Mul16]. **elementos** [GV11]. **Elements** [TLNC10, BWS11, Joh11, ÖM13]. **Engineering** [Blo14, B10, Che11, Chr10, Kiu10a, Kiu10b, Kiu13, Moi10, VF10]. **Engineers** [Mil14, Ant12, Bra14]. **equações** [GV11]. **Equations** [ABIL13, NPW19, Sch17, BS10, Boy14, Dav11a, GV11, GH10, GS12, LQT18, SS18a, SS18b, SCM12]. **Error** [CF13, BWS11]. **estimation** [BWS11]. **État** [Bor14]. **Euler** [GW12]. **event** [Riz12]. **exercises** [Gau16]. **expansions** [Chr10]. **experienced** [HLR14]. **Exploratory** [MMS17].

**FE** [ÖM13]. **fiction** [Nah11]. **figures** [TLNC10]. **Finance** [GMS11, HRSW13, B10]. **Finite** [BWS11, HRSW13, KM10b, Che11, Dav11a, GV11, LB13, LQT18, ÖM13, Oña10]. **finite-element** [GV11]. **finitos** [GV11]. **first** [AG11, Reb12]. **Fitting** [HPS13]. **floating** [BM17]. **floating-point** [BM17].

**formal** [BM17]. **Fortran** [HH14]. **Foundation** [RZ15]. **Foundations** [GT13]. **Four** [FM10]. **Fourier** [Has18]. **fractional** [SS18a, SS18b]. **frames** [FM10]. **Francis** [Wat11]. **frequency** [FM10]. **Frontiers** [BJ12]. **Function** [Bee17]. **Functions** [Chr10, Mul16, SH11]. **Fundamentals** [Gus11, Mag10, Moi10, Tra10, Wat10, Che11].

**G.** [KO10]. **Galerkin** [GW12]. **Gautschi** [BS13, BS14a, BS14b]. **génie** [PR12, Bor14]. **Geometry** [AI14, Fie11]. **German** [DW11]. **Germany** [Gre16b]. **Gradimir** [GMR11]. **Graduate** [CF13]. **Graph** [KG11]. **Graphs** [Fie11, Mol12]. **Green** [SH11]. **grid** [Mag10]. **Guide** [Wal14, AWH13, HH17, HLR14, Meh15]. **Guided** [SV15].

**Haifa** [RZ15]. **Hamilton** [ABIL13]. **Handbook** [Bee17, Hog14, Sch15, Ste11]. **hands** [Ros14]. **hands-on** [Ros14]. **harmonic** [FM10]. **Harmonics** [AH12]. **heavens** [Wul12]. **Heisenberg** [Raz11]. **high** [Ros13, Ros14]. **high-performance** [Ros13, Ros14]. **Honor** [GMR11, BBB<sup>+</sup>13].

**ICMS** [FVJT10, Gre16b]. **II** [AI14]. **image** [FM10]. **Imaging** [Sch15]. **Implementation** [Mul16, LB13]. **Infinite** [RZ15]. **initial** [GH10]. **Insight** [VF10]. **integer** [SS18b]. **Integrals** [Tem15]. **integration** [DP10, SS18a, SS18b]. **Intelligent** [AI14]. **interactive** [Ros13, Ros14]. **International** [FVJT10, Gre16b]. **Introdução** [GV11]. **Introducing** [RC10]. **Introduction** [AH12, BV18, CF13, Ett10, Ham12, JMR14, NF14, Att12, BWS11, BS11, Dav11a, KG12, LQT18, Nau11, ÖM13, Tuc11, VF10, War13, GV11, SS18a]. **IPython** [Ros13, Ros14]. **ISBN** [Bor14]. **Israel** [RZ15]. **Italy** [ABIL13].

**Jacobi** [ABIL13]. **Japan** [FVJT10]. **Java** [Alt12]. **Jean** [Bor14]. **Jean-Claude** [Bor14]. **Joint** [Riz12]. **Jonathan** [BBB<sup>+</sup>13]. **July** [Gre16b].

**Kobe** [FVJT10].

**language** [KG11]. **Laplacian** [Mol12]. **Large** [Saa11]. **Learn** [Ros13]. **Learning** [Hil15, Ros13]. **Least** [BV18, HPS13]. **Lecture** [SS14]. **Library** [Bee17]. **Linear** [AI14, BR11, BV18, BCS14, CK14, Dav12, GH17, Gru14, Hog14, Lay14, MM18, Sin13, Dat10, KG11, Oña10]. **longitudinal** [Riz12].

**macromixing** [BMPW10]. **Maple** [GS12]. **master** [Meh15]. **Mastering** [Meh15]. **MathCW** [Bee17]. **Mathematica** [SS14]. **Mathematical** [AWH13, Bee17, FVJT10, GT13, RZ16, Sch15, SV15, BS11, Chr10, Nah11, RZ15, FVJT10, Gre16b]. **Mathematical-Function** [Bee17]. **Mathematics** [RZ16, BBB<sup>+</sup>13, DW11, Reb12]. **Mathematik** [DW11, Her11]. **MATLAB** [Alt12, Att12, B10, Dav11b, Ett10, Gau16, Gre16a, GS12, HH17, HLR14, Joh11, KG12, KM10a, KM11, MMS17, VF10, War13, QSG10, QSG14, SS15]. **MATLAB(R)** [Kiu10a, KA11]. **Matrices** [BV18, Fie11, GM10, CCAL12, Mol12]. **Matrix** [BR11, GV13, Gru14, HJ12, Wat10, Zha11, Lau12, Mol12]. **May** [RZ15]. **measure** [Wul12]. **mechanics** [Raz11]. **media** [Gre16a]. **Memory** [GMQS17]. **method** [BWS11, Che11, Dav11a, GV11, LB13, ÖM13, Oña10]. **Methoden** [KW12]. **Methods** [Wal14, AWH13, CF13, GMS11, GT13, HRSW13, KD14, NPW19, Saa11, Sch15, Sch17, SV15, Ste11, Tem15, AAKS10, Ant12, AG11, Bra14, Coh11, FM10, GH10, GS12, How17, KG12, KM10a, KM11, Kiu10a, Kiu10b, Kiu13, Kut13, LQT18, Mon11, RC10, Sha12, SH12]. **método** [GV11]. **Micro** [BMPW10]. **Micro-**

[BMPW10]. **Milovanović** [GMR11]. **Modeling** [SS15, HH13, Kut13]. **Models** [Gru14, LR12, Riz12]. **Modern** [GW12, AAKS10, BS11, HH14]. **Moments** [GM10]. **Monte** [DP10, GT13, RC10]. **multicore** [KBD10]. **Multiscale** [GHLS12].

**nets** [DP10]. **neuroscience** [Tra10]. **Notes** [SS14]. **Number** [KM10b, Nah11]. **Number-crunching** [Nah11]. **Numbers** [Kne16, Kne17]. **numérica** [GV11]. **Numerical** [ABIL13, Wal14, Ant12, BS10, Blo14, BJ12, BF10, Coh11, CF13, Dat10, GMS11, GHLS12, GH10, Ham12, HH14, KM10a, KM11, Kiu10a, Kiu10b, Kiu13, KD14, Lan10, LR12, LQT18, Mil14, Mon11, NPW19, NF14, Saa11, SS18a, SS18b, Sco11, Ste11, SS14, AAKS10, AG11, BMPW10, Boy14, BC10, GV11, GS12, How17, KG12, Moi10, Ros13, Ros14, Sha12, DW11]. **numerics** [Tuc11]. **Numerische** [Her11, DW11].

**o** [GV11]. **object** [Sha12]. **object-oriented** [Sha12]. **Octave** [QSG10, QSG14]. **One** [ÖM13]. **One-dimensional** [ÖM13]. **operators** [RZ15]. **Optimization** [Wal14, GMS11]. **oracles** [Boy14]. **ordinary** [GH10]. **oriented** [Sha12]. **Orthogonal** [Gau16]. **other** [Boy14].

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**Precision** [KM10b]. **Pricing** [HRSW13]. **primer** [Dav11b, Lan12]. **probability** [Dav12]. **problem** [Att12]. **Problems** [GHLS12, KD14, Saa11, SH11, GH10, Nah11]. **Proceedings** [FVJT10, Gre16b, RZ15]. **products** [RZ15]. **programmers** [Meh15]. **Programming** [Bee17, Alt12, Att12, Hill15, JMR14, Lan12, Ros13]. **programs** [Nau11]. **Progress** [GMQS17]. **Proofs** [NPW19, BM17]. **proxy** [Boy14]. **Python** [Ste14, Hil15, Kiu10b, Kiu13, Lan12, Meh15, Ros13, Ros14].

**Q.** [GMQS17]. **Quadrature** [GM10]. **Quantification** [SS15]. **Quantitative** [HRSW13]. **quantum** [Raz11]. **quasi** [DP10]. **quasi-Monte** [DP10].

**R** [Blo14, Den13, EK12, How17, JMR14, Riz12, RC10, SS18a, Sch17, SCM12]. **race** [Wul12]. **Rahman** [GMQS17]. **recipes** [Ros14]. **relativity** [BS10]. **research** [RZ15]. **Results** [Zha11]. **Review** [Bor14]. **rigorous** [Tuc11]. **Ritz** [Bor14, GW12, PR12]. **rootfinders** [Boy14]. **Routines** [AI14].

**Sage** [AI14]. **Science** [Blo14, RZ15, Dav12, Nah11, Ros14, VF10]. **Sciences** [SV15]. **Scientific** [KBD10, NF14, QSG10, QSG14, BLW11, Gus11, Hil15, JMR14, Kut13, Lan12, Meh15, OR10, Poz13, TLNC10]. **Scientists** [Mil14, Ant12, Bra14, Ste14]. **Second** [GH17]. **secrets** [Alt12]. **Selected** [BS13, BS14a, BS14b, KO10]. **September** [FVJT10]. **sequences** [DP10]. **series** [Boy14]. **sharpen** [Ros14]. **short** [FM10, Tuc11]. **signal** [FM10]. **Simulation** [GT13, KA11, BMPW10, JMR14]. **Simulink** [HLR14]. **Simulink(R)** [KA11]. **Sinc** [Ste11]. **Sion** [Bor14]. **skills** [Ros14]. **Software** [Bee17, FVJT10, Gre16b]. **solution** [LQT18]. **solutions** [Gau16]. **Solving**

[AI14, Boy14, Sha12, SCM12, Att12, BS10]. **space** [SS18a, SS18b]. **spaces** [Chr10]. **Sparse** [Has18]. **Sphere** [AH12]. **Spherical** [AH12]. **Spline** [Sch17]. **splines** [HH13]. **Squares** [BV18, HPS13]. **Statistical** [EK12, Bra14, KM10a, KM11]. **statisticians** [Lan10]. **Statistics** [BR11, Mon11, Oña10]. **Step** [Sin13]. **Stewart** [KO10]. **Stochastic** [GT13, KD14, SS15]. **Structural** [Oña10]. **student** [Den13]. **style** [Joh11]. **system** [BM17]. **Systems** [CK14, KM10b, KA11, Kut13].

**tables** [TLNC10]. **taming** [Nah11]. **Techniques** [BCS14, Zha11]. **technologies** [Mag10]. **their** [RZ15]. **théoricien** [Bor14, PR12]. **Theory** [GMQS17, Has18, Tre13, Zha11, AAKS10, LB13, Mag10, Mol12]. **Third** [FVJT10]. **Time** [KD14, FM10, Riz12]. **time-frequency** [FM10]. **time-to-event** [Riz12]. **tools** [Chr10, Meh15]. **Tour** [SV15]. **transcendental** [Boy14]. **Transform** [Has18]. **Traveling** [GS12]. **tuning** [BLW11]. **Turbulence** [LR12].

**Uncertainty** [SS15]. **Undocumented** [Alt12]. **unified** [Sha12]. **Unit** [AH12]. **unruly** [Nah11]. **updated** [HLR14]. **users** [HLR14]. **Using** [Bee17, Blo14, JMR14, Meh15].

**V** [GMR11]. **Valais** [Bor14]. **Validated** [Tuc11]. **validation** [OR10]. **Vallesia** [Bor14]. **Value** [SH11, GH10]. **Vectors** [BV18]. **Venus** [Wul12]. **Verification** [NPW19, OR10]. **verifying** [BM17]. **via** [GV11]. **Viewpoint** [CF13]. **visualization** [Ros13, Ros14]. **Volume** [BS13, BS14a, BS14b, SS18a, SS18b].

**W** [KO10]. **Walter** [BS13, BS14a, BS14b]. **Walther** [Bor14, PR12]. **wave** [GS12]. **wavelets** [FM10]. **Works**

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**XML** [Poz13].

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