



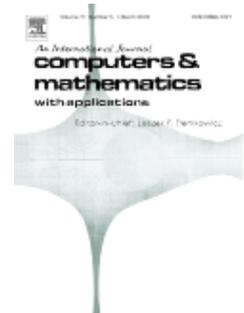
COMPUTERS & MATHEMATICS WITH APPLICATIONS

An International Journal

AUTHOR INFORMATION PACK

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Domain Decomposition methods, Absorbing Boundary Conditions, Perfectly Matched Layers, Waveform relaxation methods, parallel space time methods, nonmatching grid methods, preconditioning, geometric integration, hyperbolic conservation laws, Krylov subspace methods, quadrature, dynamical Systems, mathematical biology

Lucia Gastaldi, Università di Brescia, Brescia, Italy

FEM, a priori and a posteriori error analysis of approximation of PDE, adaptive finite element methods, eigenvalue problems for PDE, fluid-structure interaction

Jean-Luc Guermond, Texas A&M University, College Station, Texas, USA

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Jun Hu, Peking University, Beijing, China

Nonconforming finite element methods, adaptive finite element methods, Reissner-Mindlin plate problems, eigenvalue problems, variational inequalities

Manfred Krafczyk, Technische Universität Braunschweig, Braunschweig, Germany

CFD, kinetic methods, especially Lattice Boltzmann methods, HPC, fault tolerant computing

Mieczyslaw Kuczma, Poznan University of Technology, Poznan, Poland

mechanics of solids and structures, smart materials and structures, variational inequalities, complementarity problems, finite elements

Jens Markus Melenk, Technische Universität Wien, Wien, Austria

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Fabio Nobile, École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland

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Abani K. Patra, The State University of New York at Buffalo, Buffalo, New York, USA

Adaptive meshing, parallel computing, uncertainty quantification, linear system solvers, domain decomposition theory, geophysical modeling, scientific

Jorg Peters, Dept. of CISE, University of Florida, CSE Building, Gainesville, FL 32611-6120, USA

Impact of geometry on PDEs (eg. representation and shape of boundary surfaces); higher order isoparametric methods (reparameterization on 'physical domains'); (interactive) simulation of tissue

Ernesto Prudencio, University of Texas at Austin, Austin, Texas, USA

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Serge Prudhomme, Polytechnique Montreal, Montréal, Quebec, Canada

Finite Elements, a posteriori error estimation, adaptive methods, model adaptivity, Verification and Validation, inverse problems, uncertainty quantification

Francisco Javier Sayas, University of Delaware, Delaware, USA

Boundary element methods: numerical analysis and applications to diffusion problems, time harmonic and transient waves, Coupling of finite and boundary element methods, Numerical quadrature, Abstract numerical analysis, Inverse problems, Discontinuous Galerkin methods

Joachim Schöberl, Technische Universität Wien, Wien, Austria

High order finite elements, mixed finite elements, preconditioning, Maxwell equations.

Raul Tempone, King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia

Lucas Wilcox, Naval Postgraduate School, Monterey, California, USA

Discontinuous Galerkin methods; computational time-domain acoustic, electromagnetic and elastic wave scattering; parallel and GPU/many-core computing.

Zohar Yosibash, Ben Gurion University of the Negev, Beer Sheva, Israel

computational biomechanics, high-order FEMs, singularities in elliptic PDEs, numerical analysis of nonlinear elliptic PDEs, fracture mechanics

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[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

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