



COMPUTERS & MATHEMATICS WITH APPLICATIONS

An International Journal

AUTHOR INFORMATION PACK

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Computers & Mathematics with Applications provides a medium of exchange for those engaged in fields contributing to building successful **simulations** for **science** and **engineering** using **Partial Differential Equations** (PDEs).

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Neela Nataraj, Indian Institute of Technology- Mumbai, Mumbai, India

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

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

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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

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

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[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[4] 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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