Applied And Numerical Partial Differential Equations

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Preface (W. Fitzgibbon, Y. Kuznetsov, P. Neittaanmaki, J.Periaux, O.Pironneau); List of Contributors; Roland Glowinski: The Unconventional and Unexpected Path of a Mathematician (W Fitzgibbon and J.Periaux); The Scientific Career of Roland Glowinski (Olivier Pironneau); Janos Turi and Alain Bensoussan: On a Class of Partial Differential Equations with Nonlocal Dirichlet Boundary Conditions; Martin Berggren: A Unified Discrete-Continuous Sensitivity Analysis Method for Shape Optimization; J. Tambaca, S. Canic and D. Paniagua, M.D., A Novel Approach to Modeling Coronary Stents Using a Slender Curved Rod Model: A Comparison Between Fractured Xience-like and Palmaz-like Stents; Vincenzo Capasso and Daniela Morale: On the Stochastic Modelling of Interacting Populations. A Multiscale Approach Leading to Hybrid Models; Enrique Fernandez-Cara: Remarks on the Controllability of Some Parabolic Equations and Systems; M. Hintermuller and R.H.W. Hoppe: Goal Oriented Mesh Adaptivity for Mixed Control-State Constrained Elliptic Optimal Control Problems; Dan Joseph: Fluid Dynamics of Mixtures of Incompressible Miscible Liquids; Gerard Meurant: Analytic Bounds for Diagonal Elements of Functions of Matrices; Kazufumi Ito and Qin Zhang: Feedback Solution and Receding Horizon Control Synthesis for a Class of Quantum Control Problems; Yinggao Zheng, Hiroshi Suito, and Hideo Kawarada: Demand Forecasting Method Based on Stochastic Processes and Its Validation Using Real-World Data; Olli Mali and Sergey Repin: Two-Sided Estimates of the Solution Set for the Reaction-Diffusion Problem with Uncertain Data; Pekka Neittaanmki and Sergey Repin: Guaranteed Error Bounds for Conforming Approximations of the Stationary Maxwell's Problem; M. Flueck, T. Hofer, A. Janka, and J. Rappaz: Numerical Methods for Ferromagnetic Plates; Jari Toivanen: A Componentwise Splitting Method for Pricing American Options under the Bates Model; Xu Zhang, Chuang Zheng, and Enrique Zuazua: Exact Controllability of the Time Discrete Wave Equation: a Multiplier Approach. EAN/ISBN: 9789048132393 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Fitzgibbon, W.

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