

Numerical Analysis

Volume 48, Number 2

Articles originally published online April 2010 to June 2010

CONTENTS

- 393 Further Analysis of the Arnoldi Process for Eigenvalue Problems
M. Bellalij, Y. Saad, and H. Sadok
- 408 Finite Element Approximation of the Linear Stochastic Wave Equation with Additive Noise
Mihály Kovács, Stig Larsson, and Fardin Saedpanah
- 428 Convergence Rates of the Splitting Scheme for Parabolic Linear Stochastic Cauchy Problems
Sonja Cox and Jan van Neerven
- 452 Reliable Computation of the Zeros of Solutions of Second Order Linear ODEs Using a Fourth Order Method
Javier Segura
- 470 Convergence of an Adaptive Finite Element Method for Controlling Local Energy Errors
Alan Demlow
- 498 A Residual-Based A Posteriori Error Estimator for the Stokes–Darcy Coupled Problem
Ivo Babuška and Gabriel N. Gatica
- 524 Optimized Domain Decomposition Methods for the Spherical Laplacian
S. Loisel, J. Côté, M. J. Gander, L. Laayouni, and A. Qaddouri
- 552 Convergence of Numerical Time-Averaging and Stationary Measures via Poisson Equations
Jonathan C. Mattingly, Andrew M. Stuart, and M. V. Tretyakov
- 578 Flux Recovery and A Posteriori Error Estimators: Conforming Elements for Scalar Elliptic Equations
Zhiqiang Cai and Shun Zhang
- 603 Approximation of the Buckling Problem for Reissner–Mindlin Plates
Carlo Lovadina, David Mora, and Rodolfo Rodríguez
- 633 An Analysis of Equivalent Operator Preconditioning for Equation-Free Newton–Krylov Methods
Giovanni Samaey and Wim Vanroose
- 659 A Generalization of the Local Projection Stabilization for Convection-Diffusion-Reaction Equations
Petr Knobloch
- 681 An Optimal-Order Error Estimate to ELLAM Schemes for Transient Advection-Diffusion Equations on Unstructured Meshes
Kaixin Wang and Hong Wang
- 708 Discontinuous Galerkin Methods for Solving Elliptic Variational Inequalities
Fei Wang, Weimin Han, and Xiao-liang Cheng
- 734 Quasi-optimal Convergence Rate of an Adaptive Discontinuous Galerkin Method
Andrea Bonito and Ricardo H. Nochetto
- 772 A Genuinely High Order Total Variation Diminishing Scheme for One-Dimensional Scalar Conservation Laws
Xiangxiang Zhang and Chi-Wang Shu