

JOURNAL OF COMPUTATIONAL PHYSICS

CONTENTS

www.elsevier.com/locate/jcp

Abstracted/indexed in ACM Guide to Computing Literature, Chemical Abstracts, CompuMath Citation Index, Current Contents/ Physics / Chemistry & Earth Science, Excerpta Medica, Mathematical Reviews, Research Alert, Science Abstracts, Science Citation Index, Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®

REGULAR ARTICLES

- 1 A mass, energy, vorticity, and potential enstrophy conserving lateral fluid-land boundary scheme for the shallow water equations
 - G.S. Ketefian and M.Z. Jacobson
- 33 Iterated upwind schemes for gas dynamics
 - P.K. Smolarkiewicz and J. Szmelter
- Fourier spectral embedded boundary solution of the Poisson's and Laplace equations with Dirichlet boundary conditions
 - F. Sabetghadam, S. Sharafatmandjoor and F. Norouzi
- 75 Stable and efficient evaluation of periodized Green's functions for the Helmholtz equation at high frequencies
 - H. Kurkcu and F. Reitich
- 96 The multidimensional moment-constrained maximum entropy problem: A BFGS algorithm with constraint scaling
 - R.V. Abramov
- 109 A splitting extrapolation for solving nonlinear elliptic equations with d-quadratic finite elements Y. Cao, X. He and T. Lü
- 123 A meshless method for solving an inverse spacewise-dependent heat source problem L. Yan, F.-L. Yang and C.-L. Fu
- Sixth order compact scheme combined with multigrid method and extrapolation technique for 2D poisson equation
 - Y. Wang and J. Zhang
- 147 Lattice Boltzmann modeling of microchannel flow in slip flow regime
 - F. Verhaeghe, L.-S. Luo and B. Blanpain
- Boundary integral solutions of coupled Stokes and Darcy flows
 - S. Tlupova and R. Cortez

Continued inside



0021-9991(20090110)228:1:1-2

