

List of Forthcoming Articles

- FINITE ELEMENT SIMULATIONS OF STEADY, TWO-DIMENSIONAL, VISCOUS INCOMPRESSIBLE FLOW OVER A STEP. John M. Leone, Jr., and Philip M. Gresho, *L-262, Lawrence Livermore National Laboratory, P. O. Box 808, Livermore, CA 94550, USA.*
- A NOTE ON CHEBYSHEV EXPANSION METHODS FOR THE SOLUTION OF ELLIPTIC PARTIAL DIFFERENTIAL EQUATIONS. A. McKerrell, *Department of Applied Mathematics and Theoretical Physics, C. Phillips and L. M. Delves, Department of Computational and Statistical Science, University of Liverpool, Liverpool L69 3BX, ENGLAND.*
- THE CALCULATION OF THE PRESSURE IN UNSTEADY FLOWS USING A CONTROL-VOLUME APPROACH. J. I. Ramos and W. A. Sirignano, *Department of Mechanical Engineering, Carnegie-Mellon University, Schenley Park, Pittsburgh, PA 15213, USA.*
- RICHARDSON-SIELECKI SCHEMES FOR THE SHALLOW WATER EQUATIONS, WITH APPLICATIONS TO KELVIN WAVES. R. F. Henry, *Institute of Ocean Sciences, P. O. Box 6000, 9860 W. Saanich Road, Sidney, B.C., V8L 4B2, CANADA.*
- MULTISPIN CODING: A VERY EFFICIENT TECHNIQUE FOR MONTE CARLO SIMULATIONS OF SPIN SYSTEMS. Laurence Jacobs, *Institute of Physics, University of Mexico, Mexico 20, MEXICO*; and Claudio Rebbi, *Physics Department, Brookhaven National Laboratory, Upton, 11973, USA.*
- A CONSERVATIVE FINITE ELEMENT METHOD FOR ONE-DIMENSIONAL STEFAN PROBLEMS WITH APPEARING AND DISAPPEARING PHASES. R. Bonnerot and P. Jamet, *Centre d'Etudes de Limeil, Service de Mathématiques Appliquées, B. P. 27, 94190, Villeneuve Saint-Georges, FRANCE.*
- APPROXIMATION OF RADIATION BOUNDARY CONDITIONS. Moshe Israeli, *Department of Computer Science, Technion, Haifa, ISRAEL*; and Steven A. Orszag, *Department of Mathematics, Massachusetts Institute of Technology, Cambridge, MA 02139, USA.*
- IMPLICIT MOMENT PARTICLE SIMULATION OF PLASMAS. Rodney J. Mason, *X-1, MS-531, Los Alamos Scientific Laboratory, P. O. Box 1663, Los Alamos, NM 87545, USA.*
- A NOTE ON SOLVING THE BUCKLEY-LEVERETT EQUATION IN THE PRESENCE OF GRAVITY. W. Proskufowski, *Department of Mathematics, University of Southern California, SAL 300, University Park, Los Angeles, CA 90007, USA.*
- TRIDIF, A TRIANGULAR MESH DIFFUSION CODE. John R. Freeman, *Plasma Theory Division-4241, Sandia National Laboratories, Albuquerque, NM 87185, USA.*
- NOTE ON "THEORY AND METHOD FOR ACCELERATING THE CONVERGENCE OF SELF-CONSISTENT ELECTRONIC STRUCTURE CALCULATIONS." Lee A. Cole, *Department of Physics and Quantum Theory Group, Tulane University, New Orleans, LA 70118, USA.*