

## List of Forthcoming Articles

- NONLINEAR BEAM-PLASMA INTERACTION USING FINITE-DIFFERENCE METHODS. J. Lavergnat, T. Lehner, and A. Y. Le Toux, *University of Bordeaux, Talence, FRANCE*.
- FLUX-VECTOR SPLITTING FOR THE EULER EQUATIONS FOR REAL GASES. Ewald Muller, *Max-Planck-Institute for Physics and Astrophysics, Munich, West Germany (FRG)*.
- MOVING FINITE ELEMENT METHODS FOR EVOLUTIONARY PROBLEMS I: THEORY. M. J. Baines, *University of Reading, Reading, UK*; A. J. Wathen, *University of Bristol, Bristol, UK*.
- MOVING FINITE ELEMENT METHODS FOR EVOLUTIONARY PROBLEMS II: APPLICATIONS. I. W. Johnson and M. J. Baines, *University of Reading, Reading, UK*; A. J. Wathen, *University of Bristol, Bristol, UK*.
- A FAST NUMERICAL METHOD FOR SOLVING THE THREE-DIMENSIONAL STOKES' EQUATIONS IN THE PRESENCE OF SUSPENDED PARTICLES. Aaron L. Fogelson, *University of Utah, Salt Lake City, Utah, USA*; Charles S. Peskin, *Courant Institute of Mathematical Sciences, New York University, New York, NY, USA*.
- A NUMERICAL STABILITY ANALYSIS FOR THE TWO-DIMENSIONAL INCOMPRESSIBLE EULER EQUATIONS. M. G. G. Foreman, *Institute of Ocean Sciences, Sidney, British Columbia, CANADA*; A. F. Bennett, *Oregon State University, Corvallis, Oregon, USA*.
- MOLECULAR DYNAMICS OF CLUSTERS OF PARTICLES INTERACTING WITH PAIRWISE FORCES USING A MASSIVELY PARALLEL COMPUTER. L. L. Boyer, *Naval Research Laboratory, Washington, DC, USA*; G. S. Pawley, *University of Edinburgh, Edinburgh, SCOTLAND, UK*.
- AN EXPLICIT ENERGY-CONSERVING NUMERICAL METHOD FOR EQUATIONS OF THE FORM  $d^2x/dt^2=f(x)$ . Chao-yu Qin, *Dormitory of Academia, Sinica, Beijing, PEOPLE'S REPUBLIC OF CHINA*.
- FRONTS PROPAGATING WITH CURVATURE-DEPENDENT SPEED: ALGORITHMS BASED ON HAMILTON-JACOBI FORMULATIONS. Stanley Osher, *University of California, Los Angeles, CA, USA*; James A. Sethian, *University of California, Berkeley, CA, USA*.
- ASSESSMENT OF RIEMANN SOLVERS FOR UNSTEADY ONE-DIMENSIONAL INVISCID FLOWS OF PERFECT GASES. J. J. Gottlieb and C. P. T. Groth, *University of Toronto, Downsview, Ontario, CANADA*.
- MULTIGRID METHODS FOR COMBINED FINITE DIFFERENCE AND FOURIER PROBLEMS. Wilhelm Heinrichs, *University of Düsseldorf, Düsseldorf, West Germany (FRG)*.
- ALGORITHMS FOR INTERPOLATION AND LOCALIZATION IN IRREGULAR 2-D MESHES. David Seldner and Thomas Westermann, *Kernforschungszentrum Karlsruhe GmbH, Institut für Datenverarbeitung in der Technik, Karlsruhe, West Germany (FRG)*.
- A GREY TRANSPORT ACCELERATION METHOD FOR TIME-DEPENDENT RADIATIVE TRANSFER PROBLEMS. Edward Larsen, *University of Michigan, Ann Arbor, MI, USA*.