List of Forthcoming Articles

FIN METHODS OF HIGHER ORDER. H. K. Kuiken, *Philips Research Laboratories, Eindhoven, THE NETHERLANDS.*

A FLUX-DIFFERENCE SPLITTING METHOD FOR STEADY EULER EQUATIONS. E. Dick, *State University of Ghent, Ghent, BELGIUM.*

SIMULATION OF RAYLEIGH–TAYLOR FLOWS USING VORTEX BLOBS. Robert M. Kerr, *National Center for Atmospheric Research, Boulder, CO, USA.*

THE INTERACTION BETWEEN A COMPLIANT MATERIAL AND AN UNSTABLE BOUNDARY LAYER FLOW. M. S. Hall, *Lawrence Livermore National Laboratory, University of California, Livermore, CA, USA.*

HAMILTONIAN-CONSERVING DISCRETE CANONICAL EQUATIONS BASED ON VARIATIONAL DIFFERENCE QUOTIENTS. Toshiaki Itoh and Kanji Abe, *The University of Tokyo, Tokyo, JAPAN.*

AN INVESTIGATION INTO THE EFFECT OF PRODUCT APPROXIMATION IN THE NUMERICAL SOLUTION OF THE CUBIC NONLINEAR SCHRÖDINGER EQUATION. Y. Tourigny and J. Ll. Morris. *University of Dundee, Scotland, UK.*

BACK-AVERAGING: AN ACCELERATED ITERATIVE METHOD FOR SIMULATING PLASMA DIFFUSION. Michael E. Kress, *Courant Institute of Mathematical Sciences, New York University, New York, New York, USA.*

FINITE ELEMENT EIGENVALUES FOR THE LAPLACIAN OVER AN L-SHAPED DOMAIN. B. Schiff, *Tel Aviv University, Ramat Aviv, Tel Aviv, ISRAEL.*

OPTIMAL CHOICE OF GRID POINTS IN MULTIDIMENSIONAL PSEUDOSPECTRAL FOURIER METHODS. R. H. Bisseling and R. Kosloff, *The Hebrew University, Jerusalem, ISRAEL.*

TIME-INDEPENDENT AND TIME-DEPENDENT POTENTIAL SCATTERING WITHOUT ANGULAR MOMENTUM DECOMPOSITION. J. Holz and W. Glockle, *Rhur-Universität, Bochum, West Germany (FRG).*

SOLUTION OF MASTER AND FOKKER–PLANCK EQUATIONS BY PROPAGATOR METHODS, APPLIED TO Au/NaCl THIN FILM NUCLEATION. J. B. Adams and W. N. G. Hitchon, *University of Wisconsin-Madison, Madison, WI, USA.*