

List of Forthcoming Articles

- MACROSCALE IMPLICIT ELECTROMAGNETIC PARTICLE SIMULATION OF MAGNETIZED PLASMAS. Motohiko Tanaka, *Hiroshima University, Hiroshima, JAPAN.*
- TRUNCATION AND ACCUMULATED ERRORS IN WAVE PROPAGATION. Yi-ling Chiang, *New Jersey Institute of Technology, Newark, New Jersey, U.S.A.*
- ON MODULATIONAL INSTABILITIES IN DISCRETIZATIONS OF THE KORTEWEG-DE VRIES EQUATION. D. M. Sloan, *University of Strathclyde, Glasgow, Scotland, UK.*
- UNBIASED MULTI-STEP ESTIMATORS FOR THE MONTE CARLO EVALUATION OF CERTAIN FUNCTIONAL INTEGRALS. Wolfgang Wagner, *Akademie der Wissenschaften der DDR, East Berlin, DDR.*
- NUMERICAL SIMULATION OF A THERMALLY STRATIFIED SHEAR LAYER USING THE VORTEX ELEMENT METHOD. Ahmed F. Ghoniem, Ghassem Heidarinejad, and Anantha Krishnan, *Massachusetts Institute of Technology, Cambridge, Massachusetts, U.S.A.*
- A RATIONAL APPROXIMATION FOR THE EXPONENTIAL APPEARING IN THE THEORY OF THERMALLY STIMULATED PROCESSES. C. Christodoulides, *National Technical University of Athens, Athens, GREECE.*
- A FINITE ELEMENT CODE FOR THE SIMULATION OF ONE-DIMENSIONAL VLASOV PLASMAS. PART I. THEORY. S. I. Zaki, L. R. T. Gardner, and T. J. M. Boyd, *University of Wales, Bangor, Wales, UK.*
- A FINITE ELEMENT CODE FOR THE SIMULATION OF ONE-DIMENSIONAL VLASOV PLASMAS. PART II. APPLICATIONS. S. I. Zaki, T. J. M. Boyd, and L. R. T. Gardner, *University of Wales, Bangor, Wales, UK.*
- UNSTEADY SOLUTION OF INCOMPRESSIBLE NAVIER-STOKES EQUATIONS. W. Y. Soh and John W. Goodrich, *NASA Lewis Research Center, Cleveland, Ohio, U.S.A.*
- FINITE ELEMENT ANALYSIS OF THE STABILITY OF FLUID MOTIONS. B. D. Reddy and H. F. Voye, *University of Cape Town, Rondebosch, REPUBLIC OF SOUTH AFRICA.*
- CELL-CENTERED MULTIGRID FOR INTERFACE PROBLEMS. P. Wesseling, *Delft University of Technology, Delft, THE NETHERLANDS.*
- A THREE-DIMENSIONAL STOCHASTIC MODEL FOR CONCENTRATION FLUCTUATION STATISTICS IN ISOTROPIC HOMOGENEOUS TURBULENCE. H. Kaplan and N. Dinar, *Israel Institute for Biological Research, Ness-Ziona, ISRAEL.*
- CONTOUR DYNAMICS/SURGERY ON THE SPHERE. David G. Dritschel, *University of Cambridge, Cambridge, UK.*
- ON "A NEW SPLITTING TO SOLVE A LARGE HERMITIAN EIGENPROBLEM." M. J. Hodgson and C. M. M. Nex, *Cambridge University, Cambridge, UK.*
- COMPARISON OF FINITE DIFFERENCES AND FINITE ELEMENTS ON A PARABOLIC PROBLEM. A. I. Shestakov, *Lawrence Livermore National Laboratory, University of California, Livermore, California, U.S.A.*