

## List of Forthcoming Articles

- NONOSCILLATORY SOLUTION OF THE STEADY-STATE INVISCID BURGERS' EQUATION BY MATHEMATICAL PROGRAMMING. John E. Lavery, *Nasa Lewis Research Center, Cleveland, Ohio, USA.*
- A MODIFIED TAU SPECTRAL METHOD THAT ELIMINATES SPURIOUS EIGENVALUES. David R. Gardner and Rod W. Douglass, *University of Nebraska, Lincoln, Nebraska, USA*; Steven A. Trogdon, *University of Minnesota, Duluth, Minnesota, USA.*
- A NONCONFORMING COMBINATION FOR SOLVING ELLIPTIC PROBLEMS WITH INTERFACES. Zi-Cai Li, *Concordia University, CRIM – Centre de Recherche Informatique, Montreal, Quebec, CANADA.*
- A COMPUTATIONAL MODEL DESCRIBING CONFINEMENT AND PERFORMANCE OF CIRCULAR AND D-SHAPED TOKAMAK PLASMAS. A. Nicolai and P. Börner, *Institut für Plasmaphysik der Kernforschungsanlage Julich GmbH, Association EURATOM-KFA, Julich, FRG.*
- LAGUERRE POLYNOMIALS FOR INFINITE-DOMAIN SPECTRAL ELEMENTS. Cathy Mavriplis, *Massachusetts Institute of Technology, Cambridge, Massachusetts, USA.*
- COMBINING RENORMALIZATION GROUP AND MULTIGRID METHODS. R. C. Brower, R. Giles, and P. Tamayo, *Boston University, Boston, Massachusetts, USA*; K. J. M. Moriarty, *John von Neumann Center, Princeton, New Jersey, USA.*
- VORTICITY BOUNDARY CONDITIONS AND BOUNDARY VORTICITY GENERATION FOR TWO-DIMENSIONAL VISCOUS INCOMPRESSIBLE FLOWS. Christopher R. Anderson, *University of California at Los Angeles, Los Angeles, California, USA.*
- ADAPTIVE GRID REFINEMENT FOR NUMERICAL WEATHER PREDICTION. William Skamarock, Joseph Oliger, and Robert L. Street, *Stanford University, Stanford, California, USA.*
- VECTORIZED PARTIAL WAVE CALCULATION USING A CAUCHY-TYPE PROPAGATION MATRIX. K. Ishibashi, Y. Miura, H. Takada, T. Sakae, Y. Matsumoto, and A. Katase, *Kyushu University, Fukuoka, JAPAN.*
- AN ALGORITHM FOR TRACKING FLUID PARTICLES IN NUMERICAL SIMULATIONS OF HOMOGENEOUS TURBULENCE. P. K. Yeung and S. B. Pope, *Cornell University, Ithaca, New York, USA.*
- SIMULATION OF VORTEX SHEET ROLL-UP BY VORTEX METHODS. Grétar Tryggvason, *The University of Michigan, Ann Arbor, Michigan, USA.*
- FINDING PLASMA EQUILIBRIA WITH MAGNETIC ISLANDS. G. Miller, V. Faber, and A. B. White, Jr., *Los Alamos National Laboratory, Los Alamos, New Mexico, USA.*