

List of Forthcoming Articles

- IMPLICIT PARTICLE SIMULATION OF MAGNETIZED PLASMAS. D. C. Barnes, T. Kamimura, J-N. Leboeuf and T. Tajima, *Institute for Fusion Studies University of Texas, Austin, Texas 78712, USA.*
- NUMERICAL DYNAMIC SIMULATION OF SOLID-FLUID REACTIONS IN ISOTHERMAL POROUS SPHERES. S. H. Johnson, *Department of Mechanical Engineering and Mechanics, Lehigh University, Bethlehem, Pennsylvania 18015*; and A. C. Hindmarsh, *Mathematics and Statistics Division, Lawrence Livermore National Laboratory, Livermore, California 94550, USA.*
- A SPECTRAL NUMERICAL METHOD FOR THE NAVIER-STOKES EQUATIONS WITH APPLICATIONS TO TAYLOR-COUETTE FLOW. R. D. Moser, *Department of Mechanical Engineering, Stanford University, Stanford, California 94305*; P. Moin and A. Leonard, *Ames Research Center, NASA, Moffett Field, California 94035, USA.*
- CONVERGENCE OF STOCHASTIC ORBIT COMPUTATIONS. I. Dilber and J. M. Walsh, *Department of Mechanical and Nuclear Engineering, Northwestern University, Evanston, Illinois 60201*; and J. Denavit, *Lawrence Livermore National Laboratory, L-477, P. O. Box 5508, Livermore, California 94550, USA.*
- AN ADAPTIVE GRID FINITE DIFFERENCE METHOD FOR CONSERVATION LAWS. J. B. Bell and G. R. Shubin, *Exxon Production Research Company, P. O. Box 2189, Houston, Texas 77001, USA.*
- NATURAL CONVECTION IN STEADY SOLIDIFICATION: FINITE ELEMENT ANALYSIS OF A TWO-PHASE RAYLEIGH-BÉNARD PROBLEM. C. J. Chang and R. A. Brown, *Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139, USA.*
- A METHOD FOR ENFORCING THE SOLENOIDAL CONDITION ON MAGNETIC FIELD IN NUMERICAL CALCULATIONS, John D. Ramshaw, *Group T-3, MS-B216, Los Alamos National Laboratory, Los Alamos, New Mexico 84545, USA.*
- FINITE ANALYTICAL NUMERICAL METHOD FOR UNSTEADY TWO-DIMENSIONAL NAVIER-STOKES EQUATIONS. Ching-Jen Chen and Hamn-Ching Chen, *Energy Division and Iowa Institute of Hydraulic Research, The University of Iowa, Iowa City, Iowa 52242, USA.*