

List of Fortcoming Articles

SIMULATION OF THREE-DIMENSIONAL INCOMPRESSIBLE FLOWS WITH A VORTEX-IN-CELL METHOD. Benoit Couet and Oscar Buneman, *Institute for Plasma Research, Stanford University, Stanford, CA 94305*; and Anthony Leonard, *NASA-Ames Research Center, Moffett Field, CA 94035, USA*.

A LINEARIZED 3-D HYBRID CODE FOR STABILITY STUDIES OF FIELD-REVERSED ION RINGS. A. Friedman, *Electronics Research Laboratory, University of California, Berkeley, CA 94720*; R. N. Sudan, *Laboratory of Plasma Studies, Cornell University, Ithaca, NY 14853*; and J. Denavit, *Department of Mechanical Engineering and Astronautical Sciences, Northwestern University, Evanston, IL 60201, USA*.

VARIABLE MESH CUBIC SPLINE TECHNIQUE FOR *N*-WAVE SOLUTION OF BURGERS' EQUATION. B. L. Lohar and P. C. Jain, *Department of Mathematics, Indian Institute of Technology, Powai, Bombay 400076, INDIA*.

FINITE ELEMENT METHOD FOR TIME DEPENDENT INCOMPRESSIBLE FREE SURFACE FLOW. C. S. Frederiksen, *Whyalla Campus, South Australian Institute of Technology, Whyalla Norrie 5608, AUSTRALIA*.

NUMERICAL EVALUATION OF A CLASS OF INTEGRALS BY INTEGRATING ALONG A STRING OF SADDLE POINTS. R. Lugannani and S. O. Rice, *Department of Electrical Engineering and Computer Sciences, University of California, San Diego, La Jolla, CA 92093, USA*.

EXPEDITIOUS VLASOV SOLVER FOR COMPUTATION OF ION EXTRACTION FROM A PLASMA. J. H. Whealton, *Fusion Energy Division, Oak Ridge National Laboratory, Oak Ridge, TN 37830, USA*.

Flux Vector Splitting of the Inviscid Gasdynamic Equations with Application to Finite Difference Methods. Joseph L. Steger, *Flow Simulations, Inc., 298 S. Sunnyvale Avenue, Suite 204, Sunnyvale, CA 94086*; and Robert F. Warming, *Computational Fluid Dynamics Branch, Ames Research Center, NASA, Moffett Field, CA 94035, USA*.