JOURNAL OF COMPUTATIONAL PHYSICS 29, 446 (1978)

List of Forthcoming Articles

A HYBRID VORTEX-ADI SOLUTION FOR FLOWS OF LOW VISCOSITY. Aleksei Shestakov. *L-402, Lawrence Livermore Laboratory, P.O. Box 5509, Livermore, CA 94550, USA.*

SEPARATING BOUNDARY-LAYER FLOW CALCULATIONS. T. Cebeci. *Mechanical Engineering Department, California State University, Long Beach, CA 90840, USA*; and H. B. Keller. *Applied Mathematics, California Institute of Technology, Pasadena, CA 91125, USA*; and P. G. Williams. *Department of Mathematics, University College, London, ENGLAND.*

THE COMPUTATION OF SECOND ORDER ENERGIES USING A REFERENCE SPECTRUM EULER FUNCTION. David W. E. Blatt. *Department of Mathematics, University of Newcastle, Newcastle, N.S.W. 2308, AUSTRALIA*; and Bruce H. J. McKellar. *Chairman, School of Physics, University of Melbourne, Parkville, Victoria 3052, AUSTRALIA.*

PITCH ANGLE DIFFUSION OF TRAPPED PARTICLES IN THE PRESENCE OF A LOSS CONE: CALCULATING THE DISTRIBUTION OF PARTICLES PRECIPITATING FROM THE EARTH'S RADIATION BELTS. G. T. Davidson. *Lockheed Palo Alto Research Laboratory, 1341 Hanover Street, Palo Alto, CA 94304, USA.*

A MAGNETOHYDRODYNAMIC PARTICLE CODE FOR FLUID SIMULATION OF PLASMAS. J. N. Leboeuf, T. Tajima and J. M. Dawson. *Department of Physics, University of California, Los Angeles, CA 90024, USA.*

DIFFERENCE SCHEMES WITH UNIFORM SECOND AND THIRD ORDER ACCURACY AND REDUCED SMOOTHING. J. Steppeler. *Deutscher Wetterdienst, Frankfurter Str. 135, 6050 Offenbach a.M./BRD, WEST GERMANY.*

AN INTERACTIVE CODE FOR SOLVING DIFFERENTIAL EQUATIONS USING PHASE INTEGRAL METHODS. R. B. White. *Plasma Physics Laboratory, Princeton University, Princeton, NJ 08540, USA.*

AN ANALYSIS OF A LOCAL SECOND-MOMENT CONSERVING QUASI-LAGRANGIAN SCHEME FOR SOLVING THE ADVECTION EQUATION. Christopher L. Kerr and Alan F. Blumberg. *Water Resources Program, Department of Civil Engineering, Princeton University, Princeton, NJ 08540, USA.*

QUANTUM CHEMISTRY BY RANDOM WALK: METHOD OF SUCCESSIVE CORRECTIONS. James B. Anderson and Bart H. Freihaut. *Department of Chemistry, The Pennsylvania State University, 152 Davey Laboratory, University Park, PA 16802, USA.*

COMPARISON OF SPECTRAL METHODS FOR FLOWS ON SPHERES. Cha-Mei Tang. *Applied Physics Laboratory, The Johns Hopkins University, Johns Hopkins Road, Laurel, MD 20810, USA.*