

List of Forthcoming Articles

- A NUMERICAL SOLUTION FOR THE LAPLACES EQUATION WITH NORMAL DERIVATIVE BOUNDARY. Y. A. S. Aregbesola, *Department of Mathematics, University of Ife, Ile-Ife, NIGERIA.*
- INITIAL PARTICLE LOADINGS FOR A NONUNIFORM SIMULATION PLASMA IN A MAGNETIC FIELD. H. Naitou and T. Kamimura, *Institute of Plasma Physics, Nagoya University, Nagoya*; and S. Tokuda, *Plasma Physics Laboratory, Faculty of Engineering, Osaka University, Osaka 565, JAPAN.*
- FOURTH-ORDER POISSON SOLVER FOR THE SIMULATION OF BOUNDED PLASMAS. G. Knorr, G. Joyce, and A. J. Marcus, *Department of Physics and Astronomy, The University of Iowa, Iowa City, IA 52242, USA.*
- THE REPRESENTATION OF SHOCK-LIKE SOLUTIONS IN AN EULERIAN MESH. G. Knorr and M. Mond, *Department of Physics and Astronomy, The University of Iowa, Iowa City, IA 52242, USA.*
- A MAGNETOHYDRODYNAMIC PARTICLE CODE WITH FORCE FREE ELECTRONS FOR FLUID SIMULATIONS. T. Tajima, J. N. Leboeuf, and J. M. Dawson, *Department of Physics, University of California, 405 Hilgard Avenue, Los Angeles, CA 90024, USA.*
- COMPUTATIONAL ASPECTS OF THE RANDOM CHOICE METHOD FOR SHALLOW WATER EQUATIONS. G. Marshall, *Comisión Nacional de Energía Atómica, Centro de Cómputos, Avenida del Libertador 8250, 1429 Buenos Aires, ARGENTINA*; and Raúl Méndez, *Department of Mathematics, University of California, Berkeley, CA 94720, USA.*
- ON THE NUMERICAL SOLUTION OF THE ORR–SOMMERFELD PROBLEM: ASYMPTOTIC INITIAL CONDITIONS FOR SHOOTING METHODS. B. S. Ng, *Department of Mathematical Sciences, Old Dominion University, Norfolk, VA23508*; and W. H. Reid, *Department of Mathematics, University of Chicago, Chicago, IL 60637, USA.*
- PLASMA SIMULATIONS USING INVERSION SYMMETRY AS A BOUNDARY CONDITION. W. M. Nevins and Y. Matsuda, *Lawrence Livermore Laboratory, University of California, P. O. Box 808, Livermore, CA 94550*; and M. J. Gerver, *Plasma Fusion Center, Massachusetts Institute of Technology, Cambridge, MA 02139, USA.*
- SOLUTION OF NAVIER–STOKES EQUATIONS BY GOAL PROGRAMMING. K. Y. K. Ng, *Department of Defence, Operational Research and Analysis Establishment, Ottawa, Ontario K1A 0K2, CANADA.*
- FINITE DIFFERENCE SOLUTION OF THE COSSERAT FLUID JET EQUATIONS. S. J. Shine, *Department of Mechanical Engineering, University of Dar-es-Salaam, TANZANIA*; and D. B. Bogy, *Department of Mechanical Engineering, University of California, Berkeley, CA 94720, USA.*
- DYNAMIC AND QUASI-EQUILIBRIUM LAGRANGIAN MHD IN 1-D. Thomas A. Oliphant, *TD-2, MS-220, Los Alamos Scientific Laboratory, University of California, P. O. Box 1663, Los Alamos, NM 87545, USA.*
- A NOTE ON THE USE OF THE ODD–EVEN HOPSCOTCH ALGORITHM FOR A THERMAL SHOCK PROBLEM. G. E. Bell and S. I. M. Ritchie, *Department of Applied Mathematics, University of St. Andrews, St. Andrews, Fife KY16 9SS, SCOTLAND.*
- A GLOBAL METHOD OF SOLVING THE ELECTRON-FIELD EQUATIONS IN A ZERO-INERTIA-ELECTRON-HYBRID PLASMA SIMULATION CODE. Dennis W. Hewett, *CTR-6, MS-642, Los Alamos Scientific Laboratory, University of California, P. O. Box 1663, Los Alamos, NM 87545, USA.*
- VARIABLE PHASE METHOD FOR THE CALCULATION OF THE SCATTERING PHASE SHIFT: THE BOUND STATE REGION, Joseph M. Clifton, *Department of Mathematics, Iowa State University, Ames, IA 50011*; and Robert A. Leacock, *Ames Laboratory—USDOE and Department of Physics, Iowa State University, Ames, IA 50011, USA.*
- A MILLER ALGORITHM FOR AN INCOMPLETE BESSEL FUNCTION. Riho Terras, *Department of Mathematics, C-012, University of California, La Jolla, CA 92093, USA.*