List of Forthcoming Articles

COMPUTATIONAL PROCEDURE FOR STURM-LIOUVILLE PROBLEMS. M. D. Mikhailov and N. L. Vulchanov, *Applied Mathematics Centre, P. O. Box 384, Sofia, BULGARIA.*

ON THE EVALUATION OF DOUBLE-FOLDING, HEAVY-ION INTERACTION POTENTIALS BY FOURIER TRANSFORMATION METHODS. H. J. Krappe, *Hahn-Meitner-Institut für Kernforschung Berlin, Bereich Kern- und Strahlenphysik, Glienicker Str. 100, D-1000 Berlin 39, WEST GERMANY.*

QUIET STARTS FOR GALAXY SIMULATIONS. J. A. Sellwood, *Institute of Astronomy, Madingley Road, Cambridge CB3 OHA, ENGLAND.*

NUMERICAL SOLUTION OF THE ZAKHAROV EQUATIONS. G. L. Payne, D. R. Nicholson and R. M. Downie. *Department of Physics and Astronomy, The University of Iowa, Iowa City, IA 52242, USA.*

THREE-DIMENSIONAL COMPUTER MODELING OF ELECTROMAGNETIC FIELDS: A GLOBAL LOOKBACK LATTICE TRUNCATION SCHEME. R. W. Ziolkowski, N. Madsen, R. C. Carpenter, *L-156, Lawrence Livermore National Laboratory, University of California, Livermore, CA 94550, USA.*

SYMMETRY ADAPTED HARMONIC OSCILLATOR FUNCTIONS. U. Scherz and B. Nestler, *Institut für Theoretische Physik, Technische Universität Berlin, Hardenbergstr. 4–5, D-1000 Berlin 12, WEST GERMANY.*

SPIN-ORBIT INTERACTION IN METALS, ELEMENTARY SEMICONDUCTORS AND SEMICONDUCTOR COMPOUNDS. D. R. Masovic and F. Vukajlovic, *Laboratory for Theoretical Physics 020, Boris Kidric Institute for Nuclear Sciences, P. O. Box 522, 11001 Beograd-Vinca, YUGOSLAVIA.*

CONSTRAINED FINITE ELEMENTS FOR SINGULAR BOUNDARY VALUE PROBLEMS. G. Ogen and B. Schiff, *School of Mathematics, Tel Aviv University, Ramat Aviv, ISRAEL.*

A PLASMA RESISTIVE DIFFUSION MODEL. A. D. Turnbull and R. G. Storer, *School of Physical Sciences, The Flinders University of South Australia, Bedford Park, SOUTH AUSTRALIA 5042.*

IMPLICIT LARGE-TIMESTEP PARTICLE SIMULATION OF PLASMAS. A. B. Langdon, B. I. Cohen and A. Friedman, *Lawrence Livermore National Laboratory, University of California, P. O. Box 5508, Livermore, CA 94550, USA.*

UPWIND SCHEMES AND BOUNDARY CONDITIONS WITH APPLICATIONS TO EULER EQUATIONS IN GENERAL GEOMETRIES. Stanley Osher and S. Chakravarthy, *Department of Mathematics, University of California, Los Angeles, CA 90024, USA.*