

List of Forthcoming Articles

- BIRTH: A NEUTRAL BEAM DEPOSITION CODE FOR NON-CIRCULAR TOKAMAK PLASMAS. M. Otsuka, M. Nagami and T. Matsuda, *Energy Research Laboratory, Hitachi, Ltd., 1168 Moriyama-cho, Hitachi, Ibaraki 316, JAPAN.*
- THE USE OF DISTORTING GRIDS AND FLUX SPLITTING TO MODEL AXISYMMETRIC ADIABATIC EXPLOSIONS. A. R. Garlick, *School of Mathematics, The University, Leeds LS2 9JT, ENGLAND.*
- AN ANALYSIS OF THE "WAVE EQUATION" MODEL FOR FINITE ELEMENT TIDAL COMPUTATIONS. M. G. G. Foreman, *Institute of Ocean Sciences, P. O. Box 6000, Sidney, BC V8L 4B2, CANADA.*
- ON THE COMBINATION OF FINITE ELEMENT AND SPLITTING-UP METHODS IN THE SOLUTION OF PARABOLIC EQUATIONS. G. I. Marchuk and V. I. Kuzin, *Computing Center, The USSR Academy of Sciences, Siberian Branch, Novosibirsk 630090, USSR.*
- DIRECT SOLUTION OF THE VORTICITY-STREAM FUNCTION ORDINARY DIFFERENTIAL EQUATIONS BY A CHEBYSHEV APPROXIMATION. S. C. R. Dennis, *Department of Applied Mathematics, University of Western Ontario, London, Ontario, CANADA*; and L. Quartapelle, *Istituto di Fisica, Politecnico di Milano, ITALY.*
- A METHOD FOR THE INTEGRATION IN TIME OF CERTAIN PARTIAL DIFFERENTIAL EQUATIONS. J. M. Sanz-Serna, *Departamento de Ecuaciones Funcionales, Facultad de Ciencias, Universidad de Valladolid, Valladolid, SPAIN*; and V. S. Manoranjan, *Department of Mathematics, The University, Dundee DD1 4HN, SCOTLAND.*
- A NUMEROV-GALERKIN TECHNIQUE APPLIED TO A FINITE-ELEMENT SHALLOW-WATER EQUATIONS MODEL WITH ENFORCED CONSERVATION OF INTEGRAL INVARIANTS AND SELECTIVE LUMPING. I. M. Navon, *National Research Institute for Mathematical Sciences, CSIR, P. O. Box 395, Pretoria 0001, SOUTH AFRICA.*
- FAST MIXED-RADIX REAL FOURIER TRANSFORMS. Clive Temperton, *Meteorological Office (Met.0.11), London Road, Bracknell, Berkshire RG12 2SZ, ENGLAND.*
- ON THE NUMERICAL METHODS FOR THE SINGULAR PARABOLIC EQUATIONS IN FLUID DYNAMICS. J. C. T. Wang, *Department of Fluid and Flight Dynamics, AVCO Systems Division, Wilmington, Massachusetts 01887, USA.*
- REGULARIZATION OF CONTOUR DYNAMICAL ALGORITHMS. I. TANGENTIAL REGULARIZATION. Norman J. Zabusky and Edward A. Overman, III, *Department of Mathematics and Statistics, University of Pittsburgh, Pittsburgh, Pennsylvania 15261, USA.*

Printed in Belgium