

List of Forthcoming Articles

- ON VECTOR POTENTIAL-VORTICITY METHODS FOR INCOMPRESSIBLE FLOW PROBLEMS. O. R. Tutty, *University of Cambridge, Cambridge, ENGLAND*.
- CONTINUOUS ANALOG OF NEWTON METHOD IN THE MULTICHANNEL SCATTERING PROBLEM. V. S. Melezhik, *Joint Institute of Nuclear Research, Dubna, USSR*.
- TOROIDALLY SYMMETRIC POLYNOMIAL MULTIPOLE SOLUTIONS OF THE VECTOR LAPLACE EQUATION. M. F. Reusch, *Plasma Physics Laboratory, Princeton University, Princeton, NJ, USA*; G. H. Neilson, *Oak Ridge National Laboratory, Oak Ridge, TN, USA*.
- COMPUTATION OF QUASI-PERIODIC SOLUTIONS OF FORCED DISSIPATIVE SYSTEMS. II. Chr. Kaas-Petersen, *The Technical University of Denmark, Lyngby, DENMARK*.
- A SPECIAL PURPOSE COMPUTER FOR THE ELECTRICAL CONDUCTIVITY OF DISORDERED MEDIA. F. Hayot, H. J. Herrmann, J.-M. Normand, P. Farthouat, and M. Mur, *CEN-Saclay, Gif-sur-Yvette, FRANCE*.
- APPLICATION OF THE "GENERALIZED RIEMANN PROBLEM" METHOD TO 1-D COMPRESSIBLE FLOWS WITH MATERIAL INTERFACES. M. Ben-Artzi, *University of California, Berkeley, CA, USA*; Amnon Birman, *Technion—Israel Institute of Technology, Haifa, ISRAEL*.
- THE COMPUTATION OF RADIATION TRANSPORT USING FEAUTRIER VARIABLES. II. SPECTRUM COLLOCATION FOR AN INTEGRAL EQUATION ARISING IN DUCT ACOUSTICS. William F. Moss, *Clemson University, Clemson, SC, USA*.
- HIGH FREQUENCY NUMERICAL-ANALYTIC APPROXIMATIONS FOR THE SEPARABLE ACOUSTIC WAVE EQUATION. J. R. Brannan, G. P. Forney, *Clemson University, Clemson, SC, USA*; R. F. Henrick, *Johns Hopkins University, Laurel, MD, USA*.
- MULTIPLE WATER BAG SIMULATION OF INHOMOGENEOUS PLASMA MOTION NEAR AN ELECTRODE. A. C. Calder, *University of British Columbia, Vancouver, BC, CANADA*; J. G. Laframboise, *York University, Toronto, CANADA*.
- STEADY LAMINAR FORCED CONVECTION FROM A CIRCULAR CYLINDER. Hamid Jafroudi and H. T. Yang, *University of Southern California, Los Angeles, CA, USA*.
- FINDING SINGULAR POINTS OF TWO-POINT BOUNDARY VALUE PROBLEMS. George Witmer, Vemuri Balakotaiah, and Dan Luss, *University of Houston, Houston, TX, USA*.
- EFFICIENT COMPUTATION OF THE PRUFER PHASE FUNCTION FOR DETERMINING EIGENVALUES OF STURM-LIOUVILLE SYSTEMS. Petri Pajunen and Juha Tienari, *University of Oulu, Oulu, FINLAND*.
- SEMI-IMPLICIT METHOD FOR LONG TIME SCALE MAGNETOHYDRODYNAMIC COMPUTATIONS IN THREE DIMENSIONS. Douglas S. Harned, *Courant Institute of Mathematical Sciences, New York University, New York, NY, USA*; D. D. Schnack, *Science Applications International Corp., La Jolla, CA, USA*.

Printed in Belgium