

List of Forthcoming Articles

- A CRITICAL STUDY OF NUMERICAL METHODS FOR THE SOLUTION OF NONLINEAR HYPERBOLIC EQUATIONS FOR RESONANCE SYSTEMS. Joseph D. Baum and Jay N. Levine, *Stop 24, Air Force Rocket Propulsion Lab./DYC, Edwards Air Force Base, CA 93523, USA.*
- SHIFT OF THE COORDINATE ORIGIN IN CALCULATING RESONANCES BY DILATATION TRANSFORMATION. Alejandro M. Meson, Francisco M. Fernandez and Eduardo A. Castro, *INIFTA, Division Quimica Teorica, Sucursal 4, Casilla de Correo 16, La Plata 1900*; and Alberto Maltz and Rodolfo Rodriguez, *Departamento de Matematicas, Facultad de Ciencias Exactas, UNLP, Casilla de Correo 172, La Plata 1900, ARGENTINA.*
- ACCURACY OF THE RANDOM VORTEX METHOD FOR A PROBLEM WITH NON-SMOOTH INITIAL CONDITIONS. Stephen Roberts, *Department of Mathematics, University of California, Berkeley, CA 94720, USA.*
- DIRECT SOLUTION OF POISSON'S EQUATION IN CYLINDRICALLY-SYMMETRIC GEOMETRY: A FAST ALGORITHM. E. E. Kunhardt and P. F. Williams, *Departments of Electrical Engineering and Physics, Texas Tech University, Lubbock, Texas 79409, USA.*
- A STUDY OF FINITE DIFFERENCE APPROXIMATIONS TO STEADY-STATE, CONVECTION-DOMINATED FLOW PROBLEMS. Wei Shyy, *General Electric Corporate Research and Development, P. O. Box 8, Schenectady, New York 12301, USA.*
- COMPUTATION OF SPHERICAL HARMONIC EXPANSION COEFFICIENTS VIA FFT'S. Gary A. Dilts, *Cooperative Institute for Research in Environmental Sciences, University of Colorado, Boulder, Colorado 80309, USA.*
- A HIGH-ORDER GODUNOV SCHEME FOR STEADY SUPERSONIC GAS DYNAMICS. Harland M. Glaz and Andrew B. Wardlaw, *Applied Mathematics Branch, Naval Surface Weapons Center, White Oak, Silver Spring, Maryland 20910, USA.*
- COMPLEX COORDINATE METHODS FOR HYDRODYNAMIC INSTABILITIES AND STURM-LIOUVILLE EIGENPROBLEMS WITH AN INTERIOR SINGULARITY. John P. Boyd, *Department of Atmospheric and Oceanic Science, University of Michigan, 2455 Hayward Avenue, Ann Arbor, Michigan 48109, USA.*
- ANALYSIS OF AN IMPLICIT FINITE DIFFERENCE SOLUTION TO AN UNDERWATER WAVE PROPAGATION PROBLEM. D. F. St. Mary, *Department of Mathematics, University of Massachusetts, Amherst, Massachusetts 01003*; and Ding Lee, *Naval Underwater Systems Center, New London Laboratory, New London, Connecticut 06320, USA.*
- APPLICATION OF ORTHOGONAL MAPPING TO SOME 2D DOMAINS. E. D. Chikhwalwa and Y. C. Yortsos, *Departments of Chemical and Petroleum Engineering, University of Southern California, Los Angeles, California 90089-1211, USA.*