List of Forthcoming Articles

A NUMERICAL ALGORITHM FOR THE EVALUATION OF WEBER PARABOLIC CYLINDER FUNCTIONS $U(a, x)$, $V(a, x)$, AND $W(a, \pm x)$. Z. Schulten, *Max-Planck-Institut für biophysikalische Chemie, D-3400 Göttingen, WEST GERMANY*; and R. G. Gordon, *Department of Chemistry*, and D. G. M. Anderson, *Committee on Applied Mathematics, Harvard University, Cambridge, MA 02138, USA.*

AN ALGORITHM FOR MULTIDIMENSIONAL COMBUSTING FLOW PROBLEMS. Edward J. Kansa, *L-451, Lawrence Livermore National Laboratory, P. O. Box 1663, Livermore, CA 94550, USA.*

A REMARK ON THE APPLICATION OF CLOSED AND SEMI-CLOSED QUADRATURE RULES TO THE DIRECT NUMERICAL SOLUTION OF SINGULAR INTEGRAL EQUATIONS. Nikolaos I. Ioakimidis, *P. O. Box 25 B, Patras, GREECE.*

ONE-DIMENSIONAL COMPRESSIBLE GAS DYNAMICS CALCULATIONS USING THE BOLTZMANN EQUATION. Rolf D. Reitz, *Department of Mechanical and Aerospace Engineering, Princeton University, Princeton, NJ 08544, USA.*

TRANSIENT EDDY CURRENT ANALYSIS ON THIN CONDUCTORS WITH ARBITRARY CONNECTIONS AND SHAPES. Akihisa Kameari, *Controlled Thermonuclear Fusion Development Section, Research and Development Department, Nuclear Development Center, Mitsubishi Atomic Power Ind., Inc., 1-297 Kitabukuromachi, Omiya City, Saitama 330, JAPAN.*

THE NUMERICAL SOLUTION OF PLANE POTENTIAL PROBLEMS BY IMPROVED BOUNDARY INTEGRAL EQUATION METHODS. D. B. Ingham, P. J. Heggs, and M. Manzoor, *Department of Applied Mathematical Studies, The University, Leeds LS2 9JT, ENGLAND.*

PSEUDO-UNSTEADY DIFFERENCE SCHEME FOR DISCONTINUOUS SOLUTIONS OF STEADY-STATE, ONE-DIMENSIONAL FLUID DYNAMICS PROBLEMS. Lan Chieh Huang, *Computing Center, Academia Sinica, Beijing, CHINA.*

NUMERICAL METHODS FOR SOLVING DIFFERENTIAL EQUATIONS WITH INADEQUATE DATA. Y. M. Chen and David T. S. Lee, *Department of Applied Mathematics and Statistics, State University of New York, Stony Brook, NY 11794, USA.*

USE OF STREAMLINE COORDINATES IN THE NUMERICAL SOLUTION OF COMPRESSIBLE FLOW PROBLEMS. Carl E. Pearson, *Department of Aeronautics and Astronautics, FS-10, University of Washington, Seattle, WA 98195, USA*

Printed in Belgium

0021-9991/81/050231-01$02.00/0