

## List of Forthcoming Articles

- DRIVEN CAVITY FLOWS BY EFFICIENT NUMERICAL TECHNIQUES. R. Schreiber, *Department of Computer Science, Stanford University, Stanford, California 94305*; and H. B. Keller, *Applied Mathematics 217-50, California Institute of Technology, Pasadena, California 91125, USA*.
- COMPUTATIONAL PROCEDURE FOR STURM-LIOUVILLE PROBLEMS. M. D. Mikhailov and N. L. Vulchanov, *Applied Mathematics Centre, P. O. Box 384, Sofia, BULGARIA*.
- GROUP VELOCITY INTERPRETATION OF THE STABILITY THEORY OF GUSTAFSSON, KREISS, AND SÜNDSTROM. Lloyd N. Trefethen, *Courant Institute of Mathematical Sciences, New York University, 251 Mercer Street, New York, New York 10012 USA*.
- SPATIAL RESOLUTION REQUIREMENTS FOR DIRECT NUMERICAL SIMULATION OF THE RAYLEIGH-BÉNARD CONVECTION. Günther Grötzbach, *Kernforschungszentrum Karlsruhe, Institut für Reaktor-entwicklung, Postfach 3640, D-7500 Karlsruhe, FEDERAL REPUBLIC OF GERMANY*.
- NUMERICAL CALCULATIONS OF DISCONTINUITIES BY SHAPE PRESERVING SPLINES. M. D. Shoucri, *Institut de Recherche de l'Hydro-Quebec, Varrenes, Quebec J0L 2P0, CANADA*.
- COMPUTATION OF STEADY LAMINAR FLOW OVER A CIRCULAR CYLINDER WITH THIRD-ORDER BOUNDARY CONDITIONS. H. Jafroudi and H. T. Yang, *Department of Aerospace Engineering, University of Southern California, Los Angeles, California 90007, USA*.
- REPLY TO KANSA'S REMARKS ON THE EFFICIENCY OF ICE-LIKE SCHEMES FOR COMBUSTION PROBLEMS. J. D. Ramshaw and J. K. Dukowicz, *T-3, MS B216, Los Alamos National Laboratory, Los Alamos, New Mexico 87545, USA*.
- REPLY TO THE LETTER OF RAMSHAW AND DUKOWICZ. E. J. Kansa, *L-451, Lawrence Livermore National Laboratory, P. O. Box 808, Livermore, California 94550, USA*.
- HIGH RESOLUTION SCHEMES FOR HYPERBOLIC CONSERVATION LAWS. A. Harten, *School of Mathematical Sciences, Tel-Aviv University, Ramat-Aviv, Tel-Aviv 69978, ISRAEL*.
- AN EFFICIENT NUMERICAL TECHNIQUE FOR THE SOLUTION OF A NONLINEAR CAPILLARY WAVE PROBLEM. T. J. Liu, *Research Laboratories, Eastman Kodak Company, Rochester, New York 14650*; and R. C. Ackerberg, *Department of Chemical Engineering, Polytechnic Institute of New York, Brooklyn, New York 11201, USA*.
- STRONG COUPLING EXPANSION OF THE GENERATING FUNCTIONAL FOR GAUGE SYSTEMS ON A LATTICE WITH ARBITRARY SOURCES. J. Hoek, *Institute of Theoretical Physics, University of Amsterdam, Valckenierstraat 65, 1018 XE Amsterdam, THE NETHERLANDS*.