List of Forthcoming Articles

A TWO-STEP ITERATIVE BLOCK LANCZOS ALGORITHM FOR A DOMINANT EIGENSPAN. H. G. Miller and M. C. Steenkamp, *National Research Institute for Mathematical Sciences of the CSIR, Pretoria, REPUBLIC of SOUTH AFRICA*; C. J. Wright, *University of the Witwatersand, Johannesburg, REPUBLIC of SOUTH AFRICA.*

A SPECTRAL METHOD FOR NONLINEAR WAVE EQUATIONS. Natalia Sternberg, *Brown University, Providence, RI, USA.*

EFFICIENCY IMPROVEMENT OF GPST INVERSION ALGORITHM. Y M. Chen and M. S. Liu, *State University of New York at Stony Brook, Stony Brook, NY, USA.*

DIFFERENCE SOLUTION OF A VISCOUS FLOW WITH FREE-SURFACE WAVE ABOUT AN ADVANCING SHIP H. Miyata, T. Sato, and N. Baba, *University of Tokyo, Tokyo, JAPAN*

STABILITY ANALYSIS OF FINITE DIFFERENCE SCHEMES FOR QUANTUM MECHANICAL EQUATIONS OF MOTION. P. K. Chattaraj and B. M. Deb, *Panjab University, Chandigarh, INDIA*; S R. Koneru, *Indian Institute of Technology, Bombay, INDIA.*

SCHWARZ–CHRISTOFFEL MAPPINGS: A GENERAL APPROACH. J. M. Floryan, *University of Western Ontario, London, Ontario, CANADA*; Charles Zemach, *Los Alamos National Laboratory, Los Alamos, NM, USA.*

SPLIT-STEP SPECTRAL METHOD FOR NONLINEAR SCHRODINGER EQUATION WITH ABSORBING BOUNDARIES F. If, P. Berg, P. L. Christiansen, and O. Slovgaard, *The Technical University of Denmark, Lyngby, DENMARK.*

GYROKINETIC PARTICLE SIMULATION MODEL. W. W. Lee, *Plasma Physics Laboratory, Princeton University, Princeton, NJ, USA.*

MONTE CARLO SOLUTIONS OF A JOINT PDF EQUATION FOR TURBULENT FLOWS IN GENERAL ORTHOGONAL COORDINATES. D C. Haworth and S. B. Pope, *Cornell University, Ithaca, NY, USA.*

"HYBRID" MONTE CARLO SIMULATION OF RIPPLE TRANSPORT IN STELLERATORS. C. D. Beidler, W. N. G. Hitchon, and J. L. Shohet, *University of Wisconsin-Madison, Madison, WI, USA.*

A RAPIDLY CONVERGENT METHOD FOR THE INVERSION OF SEPARABLE, POSITIVE, SELF-ADJOINT DISCRETE ELLIPTIC OPERATORS IN THREE OR MORE DIMENSIONS. E. D. Siggia and A Pumir, *Cornell University, Ithaca, NY, USA.*

SELECTED TOPICS IN THE THEORY AND PRACTICE OF COMPUTATIONAL FLUID DYNAMICS. Arthur Rizzi, *FFA, The Aeronautical Research Institute of Sweden, Bromma, and Royal Institute of Technology, Stockholm, Sweden*, Björn Engquist, *University of California at Los Angeles, Los Angeles, CA, USA.*