

List of Forthcoming Articles

- MOLECULAR DYNAMICS SIMULATION USING QUATERNIONS. D. C. Rapaport, *Dept. of Physics, Bar-Ilan University, Ramat-Gan, ISRAEL.*
- EXTRAPOLATING B SPLINES. J. J. Monaghan, *Dept. of Mathematics, Monash University, Clayton, Victoria 3168, AUSTRALIA.*
- SPECTRAL ALGORITHMS FOR VECTOR ELLIPTIC EQUATIONS IN A SPHERICAL GAP. S. C. R. Dennis, *Dept. of Applied Mathematics, Engineering/Mathematical Sciences Building, University of Western Ontario, London, Ontario N6A 5B9, Canada;* Dr. L. Quartapelle, *Istituto di Fisica, Politecnico di Milano, Piazza di Leonardo da Vinci, 32, 20133 Milan, ITALY.*
- THE NUMEROV METHOD AND SINGULAR POTENTIALS. E. Buendia and R. Guardiola, *Departamento de Fisica Nuclear, Universidad de Granada, SPAIN.*
- MULTIGRID RELAXATION FOR THE EULER EQUATIONS. Wim A. Mulder, *University Observatory, P.O. Box 9513, 2300 RA Leiden, THE NETHERLANDS.*
- A NUMERICAL METHOD FOR EVALUATING MATRIX ELEMENTS OF HERMITIAN OPERATORS. M. Salvetti, *Scuola Normale Superiore, Piazza dei Cavalieri, I-56100 Pisa, Italy;* R. Montagnani, P. Riani, and O. Salvetti, *Istituto di Chimica Quantistica ed Energetica Molecolare, C.N.R., Via Risorgimento 35, I-56100 Pisa, ITALY.*
- STABILITY AND ACCURACY OF SPATIAL APPROXIMATIONS FOR WAVE EQUATION TIDAL MODELS. Ingemar P. E. Kinnmark and William G. Gray, *Department of Civil Engineering, University of Notre Dame, Notre Dame, IN 46556, USA.*
- COMPUTATION OF HELE-SHAW FLOWS WITH FREE BOUNDARIES. Joyce M. Aitchison, *Oxford University Computing Laboratory, 19 Parks Road, Oxford OX1 3PL, United Kingdom;* S. D. Howison, *Mathematical Institute, 24-29 St. Giles, Oxford OX1 3LB, UNITED KINGDOM.*
- ON TESTING DIATOMIC VIBRATION-ROTATION WAVEFUNCTION FOR HIGH LEVELS. Hafez Kobeissi, *Arab Physical Society, P.O. Box 11-7142, Beirut, LEBANON.*
- PERFORMANCE OF ALGORITHMS FOR CALCULATING THE EQUILIBRIUM COMPOSITION OF A MIXTURE OF GASES. Keith Meintjes and Alexander P. Morgan, *General Motors Research Laboratories, Warren, MI 48090, USA.*
- COMMENTS ON THE STABILITY OF THE RSF 3-D MHD PLASMA. J. W. Eastwood, *Theoretical Physics Division, Culham Laboratory, Abingdon, Oxon, OX14, 3DB, England;* K. I. Hopcraft, *Blackett Laboratory, Imperial College, London, SW7, ENGLAND.*
- THE FOURIER TRANSFORM OF A TWO-CENTER PRODUCT OF EXPONENTIAL-TYPE FUNCTIONS AND ITS EFFICIENT EVALUATION. Johannes Grotendorst and E. Otto Steinborn, *Inst. fur Physikalische und Theoretische Chemie, Universität Regensburg, Universitätsstr. 31, D-8400 Regensburg, FEDERAL REPUBLIC OF GERMANY.*
- FINITE DIFFERENCE SIMULATION OF NONLINEAR WAVES GENERATED BY SHIPS OF ARBITRARY THREE-DIMENSIONAL CONFIGURATION. Hideaki Miyata, *Dept. of Naval Architecture, Faculty of Engineering, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113, Japan;* Akira Masuko, *Research Institute, Ishikawajima-Harima Heavy Industries, JAPAN.*