

## List of Forthcoming Articles

- CONVERGENCE AND OPTIMIZATION OF SUCCESSIVE OVERRELAXATION FOR LINEAR SYSTEMS OF EQUATIONS WITH COMPLEX EIGENVALUES. Alain Rigal. *Laboratoire de Physique Mathématique, Université Paul Sabatier, 118, route de Narbonne, 31077 Toulouse Cedex, FRANCE.*
- TOWARDS THE ULTIMATE CONSERVATIVE DIFFERENCE SCHEME. V. A SECOND-ORDER SEQUEL TO GODUNOV'S METHOD. Bram van Leer. *University Observatory, Wassenaarseweg 78, 2300 RA Leiden, THE NETHERLANDS.*
- NUMERICAL SOLUTION OF THE SPINOR HELMHOLTZ EQUATION IN OPTICS. Pierre Hillion. *86 Bis Route de Croissy, 78110 Le Vesinet, FRANCE.*
- Tensor Viscosity Method for Convection in Numerical Fluid Dynamics. J. K. Dukowicz and J. D. Ramshaw. *T-3, MS-216, Los Alamos Scientific Laboratory, P. O. Box 1663, Los Alamos, NM 87545, USA.*
- A THIRD ORDER ACCURATE DISCONTINUOUS FINITE ELEMENT METHOD FOR THE ONE-DIMENSIONAL STEFAN PROBLEM. R. Bonnerot and P. Jamet. *Centre d'Études de Limeil, Service M.A., B. P. 27, 94190 Villeneuve-Saint-Georges, FRANCE.*
- A PROCEDURE FOR THE CONSTRUCTION OF VORONOI POLYHEDRA. J. L. Finney. *Department of Crystallography, Birkbeck College, University of London, Malet Street, London WC1E 7HX, ENGLAND.*
- THE SIMULATION OF RANDOM PROCESSES ON DIGITAL COMPUTERS WITH CEBYSEV MIXING TRANSFORMATIONS. T. Erber. *Department of Physics, University of California, Los Angeles, CA 90024; and P. Everett and P. W. Johnson, Department of Electrical Engineering, Illinois Institute of Technology, Chicago, IL 60616, USA.*
- NUMERICAL DETERMINATION OF AXISYMMETRIC TOROIDAL MAGNETOHYDRODYNAMIC EQUILIBRIA. J. L. Johnson, H. E. Dalhed, J. M. Greene, R. C. Grimm, Y. Y. Hsieh, S. C. Jardin, J. Manickam, M. Okabayashi, A. M. M. Todd, D. E. Voss, and K. E. Weimer. *Plasma Physics Laboratory, Princeton University, Princeton, NJ 08540, USA and R. G. STORER, The Flinders University of South Australia, Bedford Park, SOUTH AUSTRALIA.*
- NUMERICAL SOLUTION OF MULTINEPHRON KIDNEY EQUATIONS. R. Mejia and J. L. Stephenson. *Section on Theoretical Biophysics, NHLBI, Bldg. 31, Room 4B44, National Institutes of Health, Bethesda, MD 20014, USA.*
- BOUNDARY APPROXIMATIONS AND ACCURACY IN VISCOUS FLOW COMPUTATIONS. Murli M. Gupta and Ram P. Manohar. *Department of Mathematics, University of Saskatchewan, Saskatoon, Saskatchewan, CANADA S7N 0W0.*
- GASDYNAMIC MODELING AND COMPUTATIONAL ACCURACY. Gregory Shubin. *Applied Mathematics Branch, 427-532, Naval Surface Weapons Center, Silver Spring, MD 20910, USA.*
- DIRECT METHOD FOR THE SOLUTION OF THE DISCRETE POISSON EQUATION: SOME COMPARISONS. Clive Temperton. *European Centre for Medium Range Weather Forecasts, Fitzwilliam House, Skimped Hill, Bracknell, Berkshire, U.K.*