

## List of Forthcoming Articles

- INCOMPRESSIBLE FLOW IN POROUS MEDIA WITH TWO MOVING BOUNDARIES. Paul Papatzacos and Sven Åke Gustafson, *Rogaland University, Stavanger, NORWAY*.
- AN EFFICIENT METHOD FOR SUBTRACTING OFF SINGULARITIES AT CORNERS FOR LAPLACE'S EQUATION. Neil M. Wigley, *University of Windsor, Ontario, CANADA*.
- IDENTIFICATION OF HYSTERESIS LOOPS. K.-H. Hoffmann, J. Sprekels, and A. Visintin, *University of Augsburg, Augsburg, WEST GERMANY (FRG)*.
- A COMPUTATIONAL METHOD OF SOLVING FREE-BOUNDARY PROBLEMS IN VORTEX DYNAMICS. Alexander Eydeland and Bruce Turkington, *University of Massachusetts, Amherst, MA, USA*.
- CONTOUR DYNAMICS FOR THE EULER EQUATIONS: CURVATURE CONTROLLED INITIAL NODE PLACEMENT AND ACCURACY. Q. Zou, *Kansas State University, Manhattan, KS, USA*; E. A. Overman and N. J. Zabusky, *University of Pittsburgh, Pittsburgh, PA, USA*; H.-M. Wu, *Chinese Academy of Sciences, Beijing, PEOPLE'S REPUBLIC OF CHINA*.
- DETERMINISTIC PARTICLE SIMULATIONS OF THE BOLTZMANN TRANSPORT EQUATION OF SEMI-CONDUCTORS. B. Niclot, P. Degond, and F. Poupaud, *École Polytechnique, Palaiseau, FRANCE*.
- EFFICIENT TRANSFORMATION OF CERTAIN SINGULAR POLYNOMIAL MATRIX EIGENVALUE PROBLEMS. Arne J. Pearlstein, *University of Arizona, Tucson, AZ, USA*; Dimitrios A. Goussis, *Princeton University, Princeton, NJ, USA*.
- STREAMWISE COMPUTATION OF THREE-DIMENSIONAL INCOMPRESSIBLE POTENTIAL FLOWS. Mahesh S. Greywall, *Wichita State University, Wichita, KS, USA*.
- STAGGERED AND NONSTAGGERED GRIDS WITH VARIABLE NODE SPACING AND LOCAL TIME STEPPING FOR THE RANDOM CHOICE METHOD. James J. Gottlieb, *University of Toronto, Downsview, Ontario, CANADA*.
- SPLINE-COLLOCATION WITH ADAPTIVE MESH GRADING FOR SOLVING THE STOCHASTIC COLLECTION EQUATION. D. Eyre and C. J. Wright, *University of the Witwatersrand, REPUBLIC OF SOUTH AFRICA*; G. Reuter, *National Physical Research Laboratory of the CSIR, Pretoria, REPUBLIC OF SOUTH AFRICA*.
- ON THE EVALUATION OF GENERALIZED EXPONENTIAL INTEGRALS  $E_\nu(x)$ . C. Chiccoli, *Istituto Nazionale di Fisica Nucleare, Bologna, ITALY*; S. Lorenzutta and G. Maino, *Comitato Nazionale per l'Energia Nucleare e le Energie Alternative, Bologna, ITALY*.
- THE OPTIMIZATION OF APPROXIMATE-FACTORIZATION SCHEMES FOR SOLVING ELLIPTIC PARTIAL DIFFERENTIAL EQUATIONS IN THREE DIMENSIONS, FEATURING A NEW TWO-FACTOR SCHEME. D. Catherall, *Royal Aircraft Establishment, Farnborough, Hampshire, ENGLAND*.