

List of Forthcoming Articles

- SOME MIXED FINITE ELEMENT-FINITE DIFFERENCE METHODS FOR SPHERICALLY SYMMETRIC RELATIVISTIC COLLAPSE. Patrick J. Mann, *Department of Astrophysics, University of Oxford, South Parks Road, Oxford, U.K.*
- THE FAST HANKEL TRANSFORM AS A TOOL IN THE SOLUTION OF THE TIME DEPENDENT SCHRÖDINGER EQUATION. Rob Bisseling and Ronnie Kosloff, *Department of Physical Chemistry and The Fritz Haber Research Center for Molecular Dynamics, The Hebrew University, Jerusalem 91904, ISRAEL.*
- AN IMPLICIT SCHEME FOR EFFICIENT SOLUTION OF THE COALESCENCE/COLLISION-BREAKUP EQUATION. Philip S. Brown, Jr., *The Center for the Environment and Man, Inc., 275 Windsor Street, Hartford, CT, USA.*
- NUMERICAL SOLUTION OF AN ETCHING PROBLEM. C. Vuik and C. Cuvelier, *University Utrecht, Department of Mathematics Utrecht, THE NETHERLANDS*; and C. Cuvelier, *Delft University of Technology, Department of Mathematics and Informatics, Delft, THE NETHERLANDS.*
- A NEW APPROACH TO MULTI-LEVEL NON-LTE RADIATIVE TRANSFER PROBLEMS. G. B. Scharmer and M. Carlsson, *High Altitude Observatory, National Center for Atmospheric Research, Stockholm Observatory, Saltsjobaden, SWEDEN*; and M. Carlsson, *Uppsala Astronomical Observatory and Institute of Theoretical Astrophysics, Oslo, SWEDEN.*
- AN IMPLICIT ALGORITHM FOR COMPRESSIBLE THREE DIMENSIONAL MAGNETOHYDRODYNAMIC CALCULATIONS. A. Y. Aydemir and D. C. Barnes, *Institute for Fusion Studies, The University of Texas, Austin, Texas 78712, USA.*
- AN ANALYSIS OF A FINITE-DIFFERENCE AND A GALERKIN TECHNIQUE APPLIED TO THE SIMULATION OF ADVECTION AND DIFFUSION OF AIR POLLUTANTS FROM A LINE SOURCE. E. Runca, P. Melli and F. Sardei, *TECHNITAL S.p.A., Via Carlo Cattaneo, 20, I-37121 Verona, ITALY*; and P. Melli, *IBM Scientific Center, Via del Giorgione 129, I-00147 Roma, ITALY*; and F. Sardei, *Max Planck Institut für Plasmaphysik, D-8046 Garching bei München, FRG.*
- ACCURATE SOLUTION OF THREE-DIMENSIONAL POISSON'S EQUATION IN CYLINDRICAL COORDINATE BY EXPANSION IN CHEBYSHEV POLYNOMIALS. C. S. Tan, *Gas Turbine & Plasma Dynamics Laboratory, Department of Aeronautics and Astronautics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139, USA.*