

List of Forthcoming Articles

- A RANDOM WALK METHOD FOR SOLVING RADIATIVE TRANSFER EQUATIONS. J. Giorla and R. Sentis, *Centre d'Etudes de Limeil, Villeneuve St. Georges, FRANCE.*
- NUMERICAL SOLUTION FOR VISCOUS FLOW FOR TWO-DIMENSIONAL DOMAINS USING ORTHOGONAL COORDINATE SYSTEMS. A. A. Rangwalla and B. R. Munson, *Iowa State University, Ames, IA, USA.*
- THE CUBIC-INTERPOLATED PSEUDO PARTICLE (CIP) METHOD: APPLICATION TO NONLINEAR AND MULTI-DIMENSIONAL HYPERBOLIC EQUATIONS. H. Takewaki and T. Yabe, *Osaka University, Osaka, JAPAN.*
- A LAGRANGIAN FRACTIONAL STEP METHOD FOR THE INCOMPRESSIBLE NAVIER-STOKES EQUATIONS ON A PERIODIC DOMAIN. C. Borghers, *Lawrence Berkeley Laboratory, University of California, Berkeley, CA, USA;* C. S. Peskin, *Courant Institute of Mathematical Sciences, New York University, New York, NY, USA.*
- NONPERTURBATIVE METHOD FOR TREATING SQUARE ROOT OPERATORS IN RELATIVISTIC QUANTUM THEORIES. W. N. Polyzou, *The University of Iowa, Iowa City, IA, USA.*
- A BARELY IMPLICIT CORRECTION FOR FLUX-CORRECTED TRANSPORT. G. Patnaik and R. H. Guirguis, *Berkeley Research Associates, Springfield, VA, USA;* J. P. Boris and E. S. Oran, *Naval Research Laboratory, Washington, DC, USA.*
- ORTHOGONAL RATIONAL FUNCTIONS ON A SEMI-INFINITE INTERVAL. John P. Boyd, *University of Michigan, Ann Arbor, MI, USA.*
- AN ANALYSIS OF TIME DISCRETIZATION IN THE FINITE ELEMENT SOLUTION OF HYPERBOLIC PROBLEMS. J. Donea and V. Selmin, *Joint Research Centre of the Commission of the European Communities, Ispra, ITALY;* L. Quartapelle, *Politecnico di Milano, ITALY.*
- A PSEUDOSPECTRAL METHOD FOR SOLUTION OF THE THREE-DIMENSIONAL INCOMPRESSIBLE NAVIER-STOKES EQUATIONS. H. C. Ku, R. S. Hirsh, and T. D. Taylor, *The Johns Hopkins University, Laurel, MD, USA.*
- A NEW SPLITTING TO SOLVE A LARGE HERMITIAN EIGENPROBLEM. C. M. M. Nex, *University of Cambridge, Cambridge, UK.*