

## List of Forthcoming Articles

- ON THE CONSTRUCTION OF THE VORONOI MESH ON A SPHERE. Jeffrey M. Augenbaum and Charles S. Peskin, *NASA-Goddard Space Flight Center, Code 911, Greenbelt, MD 20771*; and Charles S. Peskin, *Courant Institute of Mathematical Sciences, 251 Mercer Street, New York, N.Y. 10012, USA*.
- EFFICIENT INTEGRATION ON THE HYPERSPHERE. W. Neutsch, E. Schrufer and A. Jessner, *Astronomische Institut der Universität Bonn, Auf dem Hugel 71, D-5300 Bonn 1, FEDERAL REPUBLIC OF GERMANY*.
- TABLES OF DIVERGENT FEYNMAN INTEGRALS IN THE AXIAL AND LIGHT-CONE GAUGES. Michael S. Milgram and H. C. Lee, *Applied Mathematics Branch, Atomic Energy of Canada Limited, Chalk River, Ontario, KOJ 1J0, CANADA*.
- SOLUTION OF A NONLINEAR INTEGRAL EQUATION ARISING IN PARTICLE TRANSPORT THEORY. V. C. Boffi, G. Spiga, and J. R. Thomas, Jr, *Nuclear Engineering Laboratory, University of Bologna, Via dei Colli 16, 40136 Bologna, ITALY*; and G. Spriga, *Laboratory for Transport Theory and Mathematical Physics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061*; and J. R. Thomas, Jr, *Nuclear Engineering Group, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, 24061, USA*.
- EFFICIENT SOLUTION ALGORITHMS FOR THE RIEMANN PROBLEM FOR REAL GASES. Phillip Colella and Harland M. Glaz, *Lawrence Berkeley Laboratory, University of California, Berkeley, California 94720*; and Harland M. Glaz, *Applied Mathematics Branch, Naval Surface Weapons Center, White Oak, Silver Spring, Maryland 20910, USA*.
- CONSERVATIVE REZONING ALGORITHM FOR GENERALIZED TWO-DIMENSIONAL MESHES. John D. Ramshaw, *Theoretical Division, Los Alamos National Laboratory, Group T-3/B216, Los Alamos, New Mexico, 87545, USA*.
- ON THE ACCURACY OF VORTEX METHODS. Mirta Perlman, *Department of Mathematics, University of California, Berkeley, California 94710, USA*.
- RECURSIVE RESIDUE GENERATION METHOD FOR LASER-MOLECULE INTERACTION: UTILIZATION OF STRUCTURED SPARSITY. Jose E. Castillo and Robert E. Wyatt, *Departments of Computer Science and Mathematics, The University of Texas, Austin, Texas 78712*; and Robert E. Wyatt, *Department of Chemistry and Institute for Theoretical Chemistry, The University of Texas, Austin, Texas 78712, USA*.
- AN IMPROVED ALGORITHM FOR MOLECULAR DYNAMICS SIMULATION OF RIGID MOLECULES. Roland Sonnenschein, *Max-Planck-Institut für Chemie (Otto-Hahn-Institut) D-6500 Mainz, FEDERAL REPUBLIC OF GERMANY*.
- IMPROVED ITERATION SCHEME FOR PARTIAL EQUILIBRIUM FLOW. J. D. Ramshaw and A. A. Amsden, *Los Alamos National Laboratory, T-3, MS-B216, Los Alamos, New Mexico 87545, USA*.
- NATURAL CONVECTION AT VERY HIGH RAYLEIGH NUMBERS. K. A. Cliffe, C. P. Jackson and K. H. Winters, *Theoretical Physics Division, AERE Harwell, Didcot, Oxon OX11 0RA, ENGLAND*.