

## List of Forthcoming Articles

- COORDINATE GENERATION WITH PRECISE CONTROLS OVER MESH PROPERTIES. P. R. Eisman, *Department of Applied Physics and Nuclear Engineering, Columbia University, New York, New York 10027, USA.*
- HIGH LEVEL CONTINUITY FOR COORDINATE GENERATION WITH PRECISE CONTROLS. P. R. Eisman, *Department of Applied Physics and Nuclear Engineering, Columbia University, New York, New York 10027, USA.*
- EFFICIENT VARIANCE-REDUCTION TRANSFORMATIONS FOR THE SIMULATION OF A RATIO OF TWO MEANS: APPLICATION TO QUANTUM MONTE CARLO SIMULATIONS. H. L. Gordon, S. M. Rothstein, *Department of Chemistry, Brock University, St. Catharines, Ontario L2S 3A1, CANADA*; and T. R. Proctor, *Chemistry Department, University of New Orleans, Louisiana 70122, USA.*
- CONJUGATE GRADIENT METHOD FOR THE SOLUTION OF LINEAR EQUATIONS: APPLICATION TO MOLECULAR ELECTRONIC STRUCTURE CALCULATIONS. P. E. S. Wormer, F. Visser, *Institute of Theoretical Chemistry, University of Nijmegen, Toernooiveld, 6525 ED Nijmegen, THE NETHERLANDS*; and J. Paldus, *Department of Applied Mathematics, University of Waterloo, Waterloo, Ontario N2L 3G1, CANADA.*
- A NEW ALGORITHM FOR MOLECULAR DYNAMICS CALCULATIONS. S. Toxvaerd, *Institute of Chemistry, University of Copenhagen, DK-2200 Copenhagen N, DENMARK.*
- MORE ON THE CALCULATION OF OSCILLATORY INTEGRALS. H. E. Fettis, *Consultant, Apt. 62, 1885 California, Mountain View, California 94041*, and R. L. Pexton, *L-316, Lawrence Livermore National Laboratory, P. O. Box 808, Livermore, California 94550, USA.*
- QUASINEUTRAL HYBRID SIMULATION OF MACROSCOPIC PLASMA PHENOMENA. D. S. Harned, *MS-642, Los Alamos National Laboratory, P. O. Box 1663, Los Alamos, New Mexico 87545, USA.*
- SOLUTION OF THE SCHRÖDINGER EQUATION BY A SPECTRAL METHOD. M. D. Feit, J. A. Fleck, Jr., and A. Steiger, *L-71, Lawrence Livermore National Laboratory, University of California, P. O. Box 808, Livermore, California 94550, USA.*
- APPLICATION OF GENERALIZED PADÉ APPROXIMANTS TO THE SPECIAL FUNCTION EVALUATION. A. Hautot, *Institute of Physics, University of Liège, Sart Tilman par 4000 Liège 1, BELGIUM.*
- A SEGMENTATION APPROACH TO GRID GENERATION USING BIHARMONICS. J. B. Bell, *EXXON Production Research Company, P. O. Box 2189, Houston, Texas 77043*; G. R. Shubin and A. B. Stephens, *Applied Mathematics Branch (R44), Naval Surface Weapons Center, Silver Spring, Maryland 20910, USA.*
- AN EFFICIENT MATRIX ALGORITHM FOR THE CALCULATION OF THE GRADIENT OF THE CONFORMATIONAL ENERGY OF POLYMER CHAINS. C. Schmieg, P. C. Hägele, and L. M. Beck, *Abteilung Angewandte Physik, Universität Ulm, Oberer Eselsberg, D-7900 Ulm, FEDERAL REPUBLIC OF GERMANY.*
- A NOTE ON THE STABILITY OF THE EXPLICIT FINITE DIFFERENCED TRANSPORT EQUATION. S. Paolucci and D. R. Chenoweth, *Division 8124, Sandia National Laboratories, Livermore, California 94550, USA.*