

List of Forthcoming Articles

- COMPUTATION OF STRONGLY COMPRESSIBLE ROTATING FLOWS. I. Harada, *Energy Research Laboratory, Hitachi, Ltd., 1168 Moriyama-cho, Hitachi, Ibaraki 316, JAPAN.*
- NUMERICAL SOLUTION OF SINGULAR INTEGRAL EQUATIONS. APPLICATION TO THE FLANGED PLANE WAVEGUIDE. A. Caron and M. Dupuy, *Laboratoire de Mathématiques Appliquées a la Biomédecine (MEDIMAT), Université Pierre et Marie Curie, 45, rue des Saints-Peres, 75270 Paris Cedex 06;* and Ch. Pichot, *Laboratoire des Signaux et Systèmes (CNRS-ESE), Group d'Electromagnétisme, Plateau du Moulon, 91190 Gif-sur-Yvette, FRANCE.*
- IMPLEMENTATION OF NEW ITERATIVE TECHNIQUES FOR SOLUTIONS OF THOMAS-FERMI AND EMDEN-FOWLER EQUATIONS. R. C. Flagg and W. L. Perry, *Department of Mathematics, Texas A and M University, College Station, TX 77843;* and C. D. Luning, *Department of Mathematics, Sam Houston State University, Huntsville, TX 77340, USA.*
- APPLICATION OF SPLITTING-UP METHOD TO THE NUMERICAL TREATMENT OF TRANSPORT EQUATION. ANALYSIS OF THE TRANSMISSION OF ELECTRONS THROUGH THIN SELF SUPPORTING METALLIC TARGETS. H. Lanteri, R. Bindi, and P. Rostaing, *Laboratoire de Physique Expérimentale, Faculté des Sciences de Nice, Parc Valrose, 06034-Nice Cedex, FRANCE.*
- ANALYSIS OF AN UPSTREAM WEIGHTED COLLOCATION APPROXIMATION TO THE TRANSPORT EQUATION. Allen Shapiro and George F. Pinder, *Department of Civil Engineering, Princeton University, Princeton, NJ 08544, USA.*
- SHAPE INSTABILITIES AND PATTERN FORMATION IN SOLIDIFICATION: A NEW METHOD FOR NUMERICAL SOLUTION OF THE MOVING BOUNDARY PROBLEM. Jeffrey B. Smith, *Department of Physics and Center for the Joining of Materials, Carnegie-Mellon University, Pittsburgh, PA 15213, USA.*
- THE INTERACTION $\lambda x^2/(1 + gx^2)$ REVISITED. André Hautot, *Institute of Physics, University of Liège, Sart Tilman par 4000-Liège 1, BELGIUM.*
- PETROV-GALERKIN METHODS FOR NONLINEAR DISPERSIVE WAVES. J. M. Sanz-Serna, *Departamento de Matemáticas, Facultad de Ciencias, Valladolid, SPAIN;* and I. Christie, *Department of Mathematical Sciences, New Mexico State University, Las Cruces, NM 88003, USA.*