

List of Forthcoming Articles

- STABILITY RESTRICTIONS ON TIME-STEP SIZE FOR NUMERICAL INTEGRATION OF FIRST-ORDER PARTIAL DIFFERENTIAL EQUATIONS. Z. Zlatev, R. Berkowicz, and L. P. Prahm, *Air Pollution Laboratory, National Agency of Environmental Protection, Risø National Laboratory, DK-4000 Roskilde, DENMARK.*
- CONSTRAINED FINITE ELEMENTS FOR SINGULAR BOUNDARY VALUE PROBLEMS. G. Ogen and B. Schiff, *School of Mathematics, Tel Aviv University, Ramat Aviv, ISRAEL.*
- FOCUSING: A MECHANISM FOR INSTABILITY OF NONLINEAR FINITE DIFFERENCE EQUATIONS. William L. Briggs, Alan C. Newell and Talib Sarie, *Department of Mathematics, University of Arizona, Tucson, AZ 85721, USA.*
- IMPLICIT LARGE-TIMESTEP PARTICLE SIMULATION OF PLASMAS. A. B. Langdon, B. I. Cohen and A. Friedman, *Lawrence Livermore National Laboratory, University of California, P. O. Box 5508, Livermore, CA 94550, USA.*
- A NEW ALGORITHM FOR THREE-DIMENSIONAL VORONOI TESSELLATION. M. Tanemur, T. Ogawa, and N. Ogita, *The Institute of Statistical Mathematics, 4-6-7 Minami-Azabu, Minato-ku, Tokyo 106, JAPAN.*
- AN INTEGRAL EQUATION METHOD FOR THE SOLUTION OF SINGULAR SLOW FLOW PROBLEMS. M. A. Kelmanson, *Department of Applied Mathematical Studies, University of Leeds, Leeds LS2 9JT, ENGLAND.*
- A COMPARISON OF FINITE ELEMENT AND FINITE DIFFERENCE SOLUTIONS OF THE ONE AND TWO-DIMENSIONAL BURGERS' EQUATIONS. C. A. J. Fletcher, *Department of Mechanical Engineering, University of Sydney, Sydney, N.S.W. 2006, AUSTRALIA.*
- A CHEBYSHEV EXPANSION OF SINGULAR INTEGRAL EQUATIONS WITH A LOGARITHMIC KERNEL. A. Frenkel, *Armament Development Authority, Defence Department, P. O. Box 2250, Haifa, ISRAEL.*
- A CHEBYSHEV EXPANSION OF SINGULAR INTEGRODIFFERENTIAL EQUATIONS WITH A $\partial^2 \ln |s - t| / \partial s \partial t$ KERNEL. A. Frenkel, *Department of Defence, Armament Development Authority, P. O. Box 2250, Haifa, ISRAEL.*
- RAYLEIGH-TAYLOR INSTABILITY AND THE USE OF CONFORMAL MAPS FOR IDEAL FLUID FLOW. Ralph Menikoff and Charles Zemach, *Theoretical Division, Mail Stop B214, Los Alamos National Laboratory, Los Alamos, NM 87545, USA.*
- SUPRATHERMAL ELECTRON ENERGY DEPOSITION IN PLASMAS WITH THE FOKKER-PLANCK METHOD. B. R. Wienke, *C-3, Mail Stop B265, Los Alamos National Laboratory, Los Alamos, NM 87545, USA.*