

List of Forthcoming Articles

- SPLINE-GALERKIN SOLUTION OF INTEGRAL EQUATIONS FOR THREE-BODY SCATTERING ABOVE BREAK-UP. Ayse Alaylioglu and D. Eyre, *CSIR, Pretoria, South Africa*; M. Brannigan, *University of Georgia, Athens, GA, USA*; J. P. Sverre, *University of Manitoba, Winnipeg, Manitoba, CANADA*.
- INVARIANCE THEOREMS CONCERNING REFLECTION AT NUMERICAL BOUNDARIES. R. Vichnevetsky, *Rutgers University, New Brunswick, NJ, USA*.
- ADIABATIC PARTICLE HYDRODYNAMICS IN THREE DIMENSIONS. Michael Loewenstein and William G. Mathews, *Lick Observatory, University of California, Santa Cruz, CA, USA*.
- INTEGRAL CONDITIONS FOR THE PRESSURE IN THE COMPUTATION OF INCOMPRESSIBLE VISCOUS FLOWS. L. Quartapelle, *Istituto di Fisica, Politecnico di Milano, Italy*; M. Napolitano, *Istituto di Macchine, Università di Bari, ITALY*.
- A FINITE DIFFERENCE 3-D POISSON-VLASOV ALGORITHM FOR IONS EXTRACTED FROM A PLASMA. J. H. Wheaton, R. W. McGaffey and P. S. Meszaros, *Oak Ridge National Laboratory, Oak Ridge, TN, USA*.
- AN ADAPTIVE METHOD OF LINES WITH ERROR CONTROL FOR PARABOLIC EQUATIONS OF THE REACTION-DIFFUSION TYPE. M. Bieterman, *Boeing Computer Services, Tukwila, WA, USA*; I. Babuska, *University of Maryland, College Park, MD, USA*.
- THE METHOD OF INNER BOUNDARY CONDITION: A NEW APPROACH FOR SOLVING SINGULAR PERTURBATION PROBLEMS. Mohan K. Kadalbajoo and Y. N. Reddy, *Indian Institute of Technology, Kanpur, INDIA*.
- AN EULERIAN METHOD FOR TRANSIENT NONLINEAR FREE SURFACE WAVE PROBLEMS. S. I. Cheng, *Princeton University, Princeton, NJ, USA*; Yulin Lu, *Dalian Institute of Technology, Dalian, CHINA*.
- EXACT AND APPROXIMATE GAS DYNAMICS USING THE TANGENT GAS. Prabir K. Daripa and Lawrence Sivovich, *Brown University, Providence, RI, USA*.
- AN ISOPARAMETRIC SPECTRAL ELEMENT METHOD FOR SOLUTION OF THE NAVIER-STOKES EQUATIONS IN COMPLEX GEOMETRY. Karol Z. Korczak and Anthony T. Patera, *Massachusetts Institute of Technology, Cambridge, MA, USA*.