

List of Forthcoming Articles

- ALGORITHMS FOR DETERMINATION OF PERIOD-DOUBLING BIFURCATION POINTS IN ORDINARY DIFFERENTIAL EQUATIONS. Milan Kubicek and Martin Holodniok, *Prague Institute of Chemical Technology, Prague, CZECHOSLOVAKIA*.
- APPROXIMATION OF WIENER INTEGRALS. Ole H. Hald, *University of California, Berkeley, CA, USA*.
- AN EFFICIENT ALGORITHM FOR SOLVING THE VIBRONIC COUPLING PROBLEM. K. P. Lawley, *University of Edinburgh, Scotland, UNITED KINGDOM*.
- ON THE SOLUTION OF MATRIX EQUATIONS, EXAMPLE: APPLICATION TO INVARIANT EQUATIONS. Gilles Labonte, *Royal Military College of Canada, Kingston, Ontario, CANADA*.
- THE METHOD OF FUNDAMENTAL SOLUTIONS FOR THE NUMERICAL SOLUTION OF THE BIHARMONIC EQUATION. Andreas Karageorghis, *The University College of Wales, Aberystwyth, Penglais, Dyfed, Wales, UNITED KINGDOM*; Graeme Fairweather, *University of Kentucky, Lexington, KY, USA*.
- STABILITY OF FINITE DIFFERENCE REPRESENTATIONS OF PARTIAL DIFFERENTIAL EQUATIONS: A TWO-STEP PROCESS. Ronald C. Dykhuizen, *Sandia National Laboratories, Albuquerque, NM, USA*.
- CAVITY FLOW DYNAMICS AT HIGHER REYNOLDS NUMBER AND HIGHER ASPECT RATIO. K. Gustafson, *University of Colorado, Boulder, CO, USA*; K. Halasi, *Kansas State University, Manhattan, KS, USA*.
- A NUMERICAL SIMULATION OF THE TRANSITION TO TURBULENCE IN A TWO-DIMENSIONAL FLOW. A Fortin, *Ecole Polytechnique, Montreal, CANADA*; M. Fortin and J. J. Gervais, *Université Laval, Quebec, CANADA*.
- TIME-MARCHING SOLUTION OF INCOMPRESSIBLE NAVIER-STOKES EQUATIONS FOR INTERNAL FLOW. W. Y. Soh, *NASA Lewis Research Center, Cleveland, OH, USA*.
- MOLECULAR SYMMETRY IN AB INITIO CALCULATIONS. P. V. Madhavan and J. L. Whitten, *State University of New York at Stony Brook, Stony Brook, NY, USA*.
- SEMI-IMPLICIT MAGNETOHYDRODYNAMIC CALCULATIONS. D. D. Schnack, D. C. Barnes, and Z. Mikic, *Science Applications International Corp., La Jolla, CA, USA*; Douglas S. Harnad, *Courant Institute of Mathematical Sciences, New York, NY, USA*; E. J. Caramana, *Los Alamos National Laboratory, Los Alamos, NM, USA*.
- COMPUTING MULTIGROUP RADIATION INTEGRALS USING POLYLOGARITHM-BASED METHODS. Bradley A. Clark, *Los Alamos National Laboratory, Los Alamos, NM, USA*.
- THOMAS-FERMI EQUATION WITH NON-SPHERICAL BOUNDARY CONDITIONS. M. Friedman, Y. Rosenfeld, and R. Thieberger, *NRCN, Beer-Sheva, ISRAEL*; A. Rabinovitch, *Ben-Gurion University, Beer-Sheva, ISRAEL*.
- STREAMLINED DARWIN SIMULATION OF NONNEUTRAL PLASMAS. Dennis W. Hewett and John K. Boyd, *Lawrence Livermore National Laboratory, Livermore, CA, USA*.