

## List of Forthcoming Articles

- THE REDUCTION OF A GENERAL COMPLEX MATRIX TO A CONDENSED FORM BY BOUNDED SINGLE ELEMENT TRANSFORMATION. Douglas F. Hager and Roy G. Gordon. *Department of Chemistry, Harvard University, 12 Oxford Street, Cambridge, MA 02138, USA.*
- THE GLOBAL ELEMENT METHOD APPLIED TO A HARMONIC MIXED BOUNDARY VALUE PROBLEM. J. A. Hendry. *Computer Centre, University of Birmingham, Birmingham B15 2TT,* and L. M. Delves, *Department of Computational and Statistical Science, University of Liverpool, Liverpool L69 3BX, ENGLAND.*
- A NUMERICAL DIFFERENTIATOR. G. A. Evans. *Department of Mathematics, Loughborough University of Technology, Loughborough, Leicestershire LE11 3TU, ENGLAND.*
- CURVILINEAR FINITE DIFFERENCE METHOD FOR THREE DIMENSIONAL POTENTIAL PROBLEMS. P. C. M. Lau. *Department of Civil Engineering, The University of Western Australia, Nedlands, W.A. 6009, AUSTRALIA.*
- A SIMULTANEOUS COORDINATE RELAXATION ALGORITHM FOR LARGE, SPARSE MATRIX EIGENVALUE PROBLEMS. Richard C. Raffanetti. *Theoretical Chemistry Group, Chemistry Division, Argonne National Laboratory, Argonne, IL 60439, USA.*
- CONTINUUM WAVE FUNCTIONS FOR THE TWO-CENTRE, ONE-ELECTRON SYSTEM. J. Rankin and W. R. Thorson. *Department of Chemistry, University of Alberta, Edmonton, Alberta T6G 2G2, CANADA.*
- TRANSPORT-DIFFUSION INTERFACES IN RADIATIVE TRANSFER. G. C. Pomraning and G. M. Foglesong. *School of Engineering and Applied Science, 5405 Boelter Hall, University of California, Los Angeles, CA 90024, USA.*
- THE METHOD OF DIFFERENTIAL AREAS FOR COMPUTING CRYSTAL SYMMETRY INDEPENDENT DENSITY OF STATES SPECTRA. Aaron B. Budgor. *L-488, Lawrence Livermore Laboratory, P. O. Box 808, Livermore, CA 94550, USA.*
- AN ILUCG ALGORITHM WHICH MINIMIZES IN THE EUCLIDEAN NORM. M. Petravac and G. Kuo-Petravic. *Plasma Physics Laboratory, Princeton University, P. O. Box 451, Princeton, NJ 08540.*
- AN ALGORITHM WITH ALGOL 60 PROGRAM FOR THE COMPUTATION OF THE ZEROS OF ORDINARY BESSEL FUNCTIONS AND OF THEIR DERIVATIVES. N. M. Temme. *Mathematisch Centrum, 2e Boerhaavestraat 49, 1091 AL Amsterdam, THE NETHERLANDS.*
- EVALUATION OF THE INTEGRAL  $\int_0^\infty t^n \exp(-t^2 - x/t) dt$ . R. J. Cole. *Department of Mathematics, University of Strathclyde, Glasgow, SCOTLAND;* and C. Pescatore, *214 Nuclear Engineering Laboratory, University of Illinois, Urbana, IL 61801, USA.*
- VARIANCE REDUCTION IN MONTE CARLO COMPUTATIONS USING MULTIDIMENSIONAL HERMITE POLYNOMIALS. F. H. Maltz and D. L. Hitzl. *Dept. 52-56, Bldg. 201, Lockheed Research Laboratory, 3251 Hanover Street, Palo Alto, CA 94304, USA.*
- A NUMERICAL METHOD FOR LINEAR TWO-POINT BOUNDARY-VALUE PROBLEMS USING COMPOUND MATRICES. B. S. Ng. *Department of Mathematical Sciences, Indiana University-Purdue University, Indianapolis, IN 46205;* and W. H. Reid, *Department of Mathematics, University of Chicago, IL 60637, USA.*

A NONLINEAR INTEGRAL EQUATION FROM THE BALL-ZACHARIASEN MODEL OF DIFFRACTIVE SCATTERING:  
NUMERICAL SOLUTION NEAR A SINGULARITY OF THE FRECHET DERIVATIVE. Robert Lee Warnock.  
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Physics, Illinois Institute of Technology, Chicago, IL 60616, USA.*