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List of Forthcoming Articles

EQUIVALENCE AND SINGULARITIES: AN APPLICATION OF COMPUTER ALGEBRA. Samuel M. Eleuterio and R. Vilela Mendes, *CFMC—Instituto Nacional de Investigacao Cientifica, Av. Gama Pinto, 2, 1699 Lisboa, PORTUGAL.*

CONJUGATE GRADIENT METHOD FOR THE SOLUTION OF LINEAR EQUATIONS: APPLICATION TO MOLECULAR ELECTRONIC STRUCTURE CALCULATIONS. P. E. S. Wormer, F. Visser, and J. Paldus, *Institute of Theoretical Chemistry, University of Nijmegen, Toernooiveld, 6525 ED Nijmegen, THE NETHERLANDS.*

AN EFFICIENT MATRIX ALGORITHM FOR THE CALCULATION OF THE GRADIENT OF THE CONFORMATIONAL ENERGY OF POLYMER CHAINS. C. Schmieg, P. C. Hägele, and L. M. Beck, *Abteilung Angewandte Physik, Universität Ulm, Oberer Eselberg, D-7900 ULM, WEST GERMANY (FRG).*

A NUMERICAL STUDY OF THE TWO-DIMENSIONAL NAVIER-STOKES EQUATIONS IN VORTICITY-VELOCITY VARIABLES. T. B. Gatski, C. E. Grosch and M. E. Rose, *NASA Langley Research Center, Hampton, VA 23665, USA.*

SPURIOUS SOLUTIONS IN DRIVEN CAVITY CALCULATIONS. R. Schreiber, *Computer Science Department, Stanford University, Stanford, CA 94305*; and H. B. Keller, *Applied Mathematics Department, 217-50, California Institute of Technology, Pasadena, CA 91125.*

COMPUTATIONAL STUDIES OF FIRST-BORN SCATTERING CROSS SECTIONS. I. SPECTRAL PROPERTIES OF BETHE SURFACES, AND II. MOMENT-THEORY APPROACH. D. J. Margoliash and P. W. Langhoff, *Department of Chemistry, Indiana University, Bloomington, IN 47405, USA.*

AN IMPLICIT SCHEME FOR NONLINEAR EVOLUTION EQUATIONS. M. S. Qin, *Computing Center, Chinese Academy of Sciences, Beijing, Peking, CHINA.*

"ISOLAS" IN SOLUTION DIAGRAMS. M. Kubiček, I. Stuchl and M. Marek, *Department of Chemical Engineering, Prague Institute of Chemical Technology, 16628 Prage 6, CZECHOSLOVAKIA.*

A NATURAL INTERPOLATION FORMULA FOR CAUCHY-TYPE SINGULAR INTEGRAL EQUATIONS WITH GENERALIZED KERNELS. N. I. Ioakimidis, *P. O. Box 120, Petras, GREECE.*

ON LOCAL-RELAXATION METHODS AND THEIR APPLICATION TO CONVECTION-DIFFUSION EQUATIONS. E. F. F. Botta and A. E. P. Veldman, *National Aerospace Laboratory NLR, P. O. Box 90502, 1006 BM Amsterdam, THE NETHERLANDS.*

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