

List of Forthcoming Articles

COMPUTATION OF SCATTERING FUNCTIONS IN SECOND ORDER MANY-BODY THEORY. T. Scott. *Department of Physics, University of Durham, Durham DH1 3LE, ENGLAND.*

INITIAL BOUNDARY VALUE PROBLEMS FOR THE METHOD OF LINES. John C. Strikwerda. *ICASE, Mail Stop 132C, NASA Langley Research Center, Hampton, VA 23665, USA.*

ON THE FACR(I) ALGORITHM FOR THE DISCRETE POISSON EQUATION. Clive Temperton. *European Centre for Medium Range Weather Forecasts, Shinfield Park, Reading, Berkshire RG2 9AX, ENGLAND.*

ON THE CALCULATION OF ROTATION MATRICES. A. O. Caride and S. I. Zanette. *Centro Brasileiro de Pesquisas Físicas, Av. Wenceslau Bras, 71-Fundos, 22290 Rio de Janeiro, BRAZIL.*

NUMERICAL SOLUTIONS OF CHEMICALLY REACTING FLOWS IN POROUS MEDIA. Ray C. Y. Chin and R. L. Braun. *University of California, Lawrence Livermore Laboratory, P. O. Box 808, Livermore, CA 94550, USA.*

ON THE STRUCTURE AND USE OF LINEARIZED BLOCK ADI AND RELATED SCHEMES. W. R. Briley and H. McDonald. *Scientific Research Associates, Inc., P. O. Box 498, Glastonbury, CT 06033, USA.*

MORE EFFICIENT NUMERICAL SOLUTION OF DIURNAL KINETICS PROBLEMS. Philip S. Brown, Jr. *Center for the Environment and Man, Inc., 275 Windsor Street, Hartford, CT 06120, USA.*

MONTE-CARLO SOLUTION OF SCHRÖDINGER'S EQUATION FOR THE HYDROGEN ATOM IN A MAGNETIC FIELD. Yasuo Tomishima and Jiro Ozaki. *Department of Physics, Okayama University, Tsushima Okayama 700, JAPAN.*

TRANSIENT, THREE-DIMENSIONAL POTENTIAL FLOW PROBLEM AND DYNAMIC RESPONSE OF THE SURROUNDING STRUCTURES. I. DESCRIPTION OF THE FLUID DYNAMICS BY A SINGULARITY METHOD (COMPUTER CODE SING). R. Krieg and G. Hailfinger. *Institut für Reaktorentwicklung, Kernforschungszentrum Karlsruhe GmbH, Postfach 3640, 7500 Karlsruhe, FEDERAL REPUBLIC OF GERMANY.*

TRANSIENT, THREE-DIMENSIONAL POTENTIAL FLOW PROBLEMS AND DYNAMIC RESPONSE OF THE SURROUNDING STRUCTURES. II. SIMULTANEOUS COUPLING BETWEEN FLUID AND STRUCTURAL DYNAMICS (COMPUTER CODE SING-S). R. Krieg, B. Göller, and G. Hailfinger. *Institut für Reaktorentwicklung, Kernforschungszentrum Karlsruhe GmbH, Postfach 3640, 7500 Karlsruhe, FEDERAL REPUBLIC OF GERMANY.*

ON THE CONVERGENCE OF NUMERICAL SOLUTIONS FOR 2-D FLOWS IN A CAVITY AT LARGE RE. A. S. Benjamin, *Division 4414, Sandia Laboratories, Albuquerque, NM 87115, USA;* and V. E. Denny, *Energy and Kinetics Department, University of California, Los Angeles, CA 90024, USA.*