

List of Forthcoming Articles

AN ASYMPTOTIC OUTER SOLUTION APPLIED TO THE KELLER BOX METHOD. Everett Jones, *Department of Aerospace Engineering, University of Maryland, College Park, MD 20742, USA.*

ALGORITHMS FOR SOME INTEGRALS OF BESSEL FUNCTIONS AND MULTIVARIATE GAUSSIAN INTEGRALS. Riho Terras, *Department of Mathematics, C-012, University of California, La Jolla, CA 92093, USA.*

ON A FOURTH ORDER ACCURATE IMPLICIT FINITE DIFFERENCE SCHEME FOR HYPERBOLIC CONSERVATION LAWS. II. FIVE-POINT SCHEMES. A. Harten and H. Tal-Ezer, *Department of Mathematics, Tel-Aviv University, Tel-Aviv, ISRAEL.*

PIC CALCULATIONS OF MULTIPHASE FLOW. Thomas L. Cook, Ruth B. Demuth, and Francis H. Harlow, *University of California Los Alamos Scientific Laboratory, Los Alamos, NM 87545, USA.*

THREE-DIMENSIONAL SHIP WAVE GENERATION USING AN EFFICIENT FINITE DIFFERENCE SCHEME WITH DOUBLE MODEL LINEARIZATION. Samuel Ohring, *Code 1843, David W. Taylor Naval Ship Research and Development Center, Bethesda, MD 20084, USA.*

APPLICATIONS OF NUMERICAL CONFORMAL MAPPING. Daniel I. Meiron and Steven A. Orszag, *Department of Mathematics, Massachusetts Institute of Technology, Cambridge, MA 02139, USA;* and Moshe Israeli, *Department of Computer Science, Technion-Israel Institute of Technology, Haifa, ISRAEL.*

CALCULATIONS OF ATOMIC SPIN ORBIT MATRIX ELEMENTS IN THE UNITARY GROUP APPROACH. R. D. Kent, M. Schlesinger, and G. W. F. Drake, *Department of Physics, University of Windsor, Windsor, Ontario, CANADA N9B 3P4.*