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List of Forthcoming Articles

IMPROVED SPECTRAL MULTIGRID METHODS FOR PERIODIC ELLIPTIC PROBLEMS. Achi Brandt, *Institute for Computational Studies, P. O. Box 1852, Fort Collins, Colorado 80522, USA, and Department of Applied Mathematics, The Weizmann Institute of Science, Rehovot, ISRAEL 76100*; Scott R. Fulton, *Department of Atmospheric Science*, and G. D. Taylor, *Department of Mathematics, Colorado State University, Fort Collins, Colorado 80523, USA.*

A NOISE SUPPRESSION ALGORITHM FOR THE NUMERICAL SOLUTION OF MAXWELL'S EQUATIONS. M. Chapman and E. M. Waisman, *S-CUBED, P. O. Box 1620, La Jolla, California 92038, USA.*

LOG-DERIVATIVE METHOD FOR TWO-POTENTIAL SCATTERING PROBLEMS. Felicja Mrugała, *Institute of Physics, Nicholas Copernicus University, 87-100 Toruń, POLAND.*

HIGH ORDER ACCURATE VORTEX METHODS WITH EXPLICIT VELOCITY KERNELS. J. T. Beale, *Department of Mathematics, Duke University, Durham, North Carolina 27706*; and A. Majda, *Department of Mathematics, University of California, Berkeley, California 94720, USA.*

A FINITE DIFFERENCE SCHEME FOR THE HEAT-CONDUCTION EQUATION. E. Livne and A. Glasner, *Racah Institute of Physics, The Hebrew University of Jerusalem, ISRAEL.*

GRID GENERATION FOR INLET CONFIGURATIONS USING CONFORMAL MAPPING. Kenji Inoue, *National Aerospace Laboratory, Jindaiji, Chofu, Tokyo 182, JAPAN.*

THE COMPOUND MATRIX METHOD FOR ORDINARY DIFFERENTIAL SYSTEMS. B. S. Ng, *Department of Mathematical Sciences, Indiana University-Purdue University, Indianapolis, Indiana 46223*; and W. H. Reid, *Department of Mathematics, University of Chicago, Chicago, Illinois 60637, USA.*

NUMERICAL GENERATION OF BOUNDARY-FITTED CURVILINEAR COORDINATE SYSTEMS FOR ARBITRARILY CURVED SURFACES. Toshiyuki Takagi and Kazuyoshi Miki, *Energy Research Laboratory, Hitachi, Ltd., 1168 Moriyama-cho, Hitachi-shi, Ibaraki-ken 316, JAPAN*; and Brian C. J. Chen and William T. Sha, *Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439, USA.*

ACOUSTIC SHOCKS IN A VARIABLE AREA DUCT CONTAINING NEAR SONIC FLOWS. S. I. Hariharan, *University of Tennessee Space Institute, Tullahoma, Tennessee 37388*; and Harold C. Lester, *NASA Langley Research Center, Hampton, Virginia 23665, USA.*

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