

## List of Forthcoming Articles

- STIFF ODE SOLVERS: A REVIEW OF CURRENT AND COMING ATTRACTIONS. George D. Byrne, *Exxon Research & Engineering Company, Annandale, NJ, USA*; Alan C. Hindmarsh, *Lawrence Livermore National Laboratory, Livermore, CA, USA*.
- ESTIMATION OF TWO-PHASE PETROLEUM RESERVOIR PROPERTIES BY REGULARIZATION. Tai-Yong Lee and John H. Seinfeld, *California Institute of Technology, Pasadena, CA, USA*.
- COMPUTATION OF ANOMALOUS MODES IN THE TAYLOR EXPERIMENT. J. H. Bolstad, *Lawrence Livermore National Laboratory, Livermore, CA, USA*; H. B. Keller, *California Institute of Technology, Pasadena, CA, USA*.
- HIGHER ORDER ACCURATE DIFFERENCE SOLUTIONS OF VORTEX GENERATION FROM A CIRCULAR CYLINDER IN AN OSCILLATORY FLOW. Nobuhiro Baba and Hideaki Miyata, *University of Tokyo, JAPAN*.
- AN ALTERNATIVE FORM FOR THE LEGENDRE POLYNOMIAL EXPANSION COEFFICIENTS. P. J. Scanlon, *Queen's University, Kingston, Ontario, CANADA*.
- PART I. NUMERICAL SOLUTIONS FOR THE PRESSURE POISSON EQUATION WITH NEUMANN BOUNDARY CONDITIONS USING A NON-STAGGERED GRID. S. Abdallah, *Pennsylvania State University, State College, PA, USA*.
- PART II. NUMERICAL SOLUTIONS FOR THE INCOMPRESSIBLE NAVIER-STOKES EQUATIONS IN PRIMITIVE VARIABLES USING A NON-STAGGERED GRID. S. Abdallah, *Pennsylvania State University, State College, PA, USA*.
- NUMERICAL MODELING OF LOWER HYBRID HEATING AND CURRENT DRIVE. Ernest J. Valeo, *Princeton Plasma Physics Laboratory, Princeton, NJ, USA*; David C. Eder, *Lawrence Livermore National Laboratory, Livermore, CA, USA*.
- ADAPTIVE UMBRELLA SAMPLING: SELF-CONSISTENT DETERMINATION OF THE NON-BOLTZMANN BIAS. Mihaly Mezei, *Hunter College, New York, NY, USA*.