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- A HYBRID COMPUTATIONAL APPROACH TO MULTIPLE-BODY VISCOUS-FLOW PROBLEMS: APPLICATION TO LARGE-EDDY BREAKUP IN A BOUNDARY LAYER. R. B. Kinney and M. E. Taslim, *Northeastern University, Boston, Massachusetts, USA*; S. C. Hung, *National Chung Hsing University, Taichung, Taiwan, ROC*.
- PARTICLE SIMULATION OF BOUNDED 1-D PLASMA SYSTEMS. William S. Lawson, *Courant Institute, New York University, New York, New York, USA*.
- IMPLEMENTATION AND PERFORMANCE OF A BINARY LATTICE GAS ALGORITHM ON PARALLEL PROCESSOR SYSTEMS. F. Hayot, M. Mandal, and P. Sadayappan, *The Ohio State University, Columbus, Ohio, USA*.
- ACCELERATED SIMULTANEOUS ITERATIONS FOR LARGE FINITE ELEMENT EIGENPROBLEMS. Flavio Sartoretto, Giorgio Pini, and Giuseppe Gambolati, *Università di Padova, Padova, ITALY*.
- COMPLEX-PLANE METHODS FOR EVALUATING INTEGRALS WITH HIGHLY OSCILLATORY INTEGRANDS. K. T. R. Davies, *Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA*.
- SPECTRAL COLLOCATION METHODS FOR STOKES FLOW IN CONTRACTION GEOMETRIES AND UNBOUNDED DOMAINS. A. Karageorghis and T. N. Phillips, *University College of Wales, Aberystwyth, UNITED KINGDOM*.
- THE GENERALIZED RIEMANN PROBLEM FOR REACTIVE FLOWS. Matania Ben-Artzi, *Technion, Israel Institute of Technology, Haifa, ISRAEL*.
- DIVERGENCE-FREE VELOCITY FIELDS IN NONPERIODIC GEOMETRIES. Laurette S. Tuckerman, *University of Texas at Austin, Austin, Texas, USA*.
- THE RELATION BETWEEN FLUX VECTOR SPLITTING AND PARABOLIZED SCHEMES. Chau-Lyan Chang and Charles L. Merkle, *The Pennsylvania State University, University Park, Pennsylvania, USA*.