

Continued from outside back cover

- 8712 **The black-box fast multipole method**
W. Fong and E. Darve
- 8726 **Polynomial chaos representation of spatio-temporal random fields from experimental measurements**
S. Das, R. Ghanem and S. Finette
- 8752 **Perfectly matched layers for coupled nonlinear Schrödinger equations with mixed derivatives**
T. Dohnal
- 8766 **A combined Event-Driven/Time-Driven molecular dynamics algorithm for the simulation of shock waves in rarefied gases**
P. Valentini and T.E. Schwartzentruber
- 8779 **A new time-space domain high-order finite-difference method for the acoustic wave equation**
Y. Liu and M.K. Sen
- 8807 **An efficient fluid-solid coupling algorithm for single-phase flows**
Y.T. Ng, C. Min and F. Gibou
- 8830 **Rational Legendre pseudospectral approach for solving nonlinear differential equations of Lane-Emden type**
K. Parand, M. Shahini and M. Dehghan
- 8841 **An implicit high-order hybridizable discontinuous Galerkin method for nonlinear convection-diffusion equations**
N.C. Nguyen, J. Peraire and B. Cockburn
- 8856 **Gaussian beam decomposition of high frequency wave fields**
N.M. Tanushev, B. Engquist and R. Tsai
- 8872 **High order conservative Lagrangian schemes with Lax-Wendroff type time discretization for the compressible Euler equations**
W. Liu, J. Cheng and C.-W. Shu
- 8892 **Integral equation methods for elliptic problems with boundary conditions of mixed type**
J. Helsing
- 8908 **A family of functions for mass and energy flux splitting of the Euler equations**
A.C. Raga and J. Cantó
- 8919 **A numerical method for solving the Vlasov-Poisson equation based on the conservative IDO scheme**
K. Imadera, Y. Kishimoto, D. Saito, J. Li and T. Utsumi