Continued from inside back cover

7207	A high-order cut-cell method for numerical simulation of hypersonic boundary-layer instability with surface roughness L. Duan, X. Wang and X. Zhong
7238	Simulation of surface tension in 2D and 3D with smoothed particle hydrodynamics method M. Zhang
7260	Efficient algebraic multigrid for migration-diffusion-convection-reaction systems arising in elec- trochemical simulations P. Thum, T. Clees, G. Weyns, G. Nelissen and J. Deconinck
7277	About the ellipticity of the Chebyshev–Gauss–Radau discrete Laplacian with Neumann condition B. Trouette, C. Delcarte and G. Labrosse
7287	The moving boundary node method: A level set-based, finite volume algorithm with applications to cell motility C.W. Wolgemuth and M. Zajac
7309	Efficient perturbation analysis of elastic network models – Application to acetylcholinesterase of <i>T. californica</i> K. Hamacher
7317	Hierarchical Bayesian inference for Ill-posed problems via variational method B. Jin and J. Zou
7344	Error estimation and anisotropic mesh refinement for 3d laminar aerodynamic flow simulations T. Leicht and R. Hartmann
7361	A nonconforming finite element method for the Cahn–Hilliard equation S. Zhang and M. Wang
7373	Study of the 1D lattice Boltzmann shallow water equation and its coupling to build a canal network P. van Thang, B. Chopard, L. Lefèvre, D.A. Ondo and E. Mendes
7401	A new set of basis functions for the discrete geometric approach L. Codecasa, R. Specogna and F. Trevisan
7411	An interface capturing method for the simulation of multi-phase compressible flows R.K. Shukla, C. Pantano and J.B. Freund
7440	A level set method for the semiclassical limit of the Schrödinger equation with discontinuous po- tentials D. Wei, S. Jin, R. Tsai and X. Yang
7456	Direct pore-level modeling of incompressible fluid flow in porous media S. Ovaysi and M. Piri
7477	A Rayleigh–Chebyshev procedure for finding the smallest eigenvalues and associated eigenvectors of large sparse Hermitian matrices C.R. Anderson
7488	Fully implicit 1D radiation hydrodynamics: Validation and verification K. Ghosh and S.V.G. Menon
7503	Improved CE/SE scheme with particle level set method for numerical simulation of spall fracture due to high-velocity impact Q. Chen, J. Wang and K. Liu
7520	Efficient simulation of surface tension-dominated flows through enhanced interface geometry in- terrogation P. Liovic, M. Francois, M. Rudman and R. Manasseh