

Volume 16, Number 4**[Editorial Board.](#)**

Commun. Comput. Phys., No. 4, [16 \(2014\)](#).

Articles in the Issue:**Regular Articles:**

Pascal Jacq, Pierre-Henri Maire and Rémi Abgrall

A nominally second-order cell-centered finite volume scheme for simulating three-dimensional anisotropic diffusion equations on unstructured grids.

Commun. Comput. Phys., 16 (2014), pp. 841-891.

Published Online: July 24, 2014. [Abstract](#)



Full Article

Duo Zhang, K. Papadikis and Sai Gu

Investigations on the droplet impact onto a spherical surface with a high density ratio multi-relaxation time lattice-Boltzmann model.

Commun. Comput. Phys., 16 (2014), pp. 892-912.

Published Online: July 24, 2014. [Abstract](#)



Full Article

N. Anders Petersson and Björn Sjögreen

Super-grid modeling of the elastic wave equation in semi-bounded domains.

Commun. Comput. Phys., 16 (2014), pp. 913-955.

Published Online: August 1, 2014. [Abstract](#)



Full Article

Florian Bernard, Angelo Iollo and Gabriella Puppo

A local velocity grid approach for BGK equation.

Commun. Comput. Phys., 16 (2014), pp. 956-982.

Published Online: August 8, 2014. [Abstract](#)



Full Article

Armando Coco, Gilda Currenti, Ciro Del Negro and Giovanni Russo

A second order finite-difference ghost-point method for elasticity problems on unbounded domains with applications to volcanology.

Commun. Comput. Phys., 16 (2014), pp. 983-1009.

Published Online: August 8, 2014. [Abstract](#)



Full Article

Heng Li

Conditional simulation of flow in heterogeneous porous media with the probabilistic collocation method.

Commun. Comput. Phys., 16 (2014), pp. 1010-1030.

Published Online: August 8, 2014. [Abstract](#)



Full Article

D. V. Le and Zhijun Tan

Hydrodynamic interaction of elastic capsules in bounded shear flow.

Commun. Comput. Phys., 16 (2014), pp. 1031-1055.

Published Online: August 8, 2014. [Abstract](#)



Full Article

Wei Leng, Lili Ju, Max Gunzburger and Stephen Price

A parallel computational model for three-dimensional, thermo-mechanical stokes flow simulations of glaciers and ice sheets.

Commun. Comput. Phys., 16 (2014), pp. 1056-1080.

Published Online: August 12, 2014. [Abstract](#)



Full Article

Sheri L. Martinelli

Simulation of propagating acoustic wavefronts with random sound speed.

Commun. Comput. Phys., 16 (2014), pp. 1081-1101.

Published Online: August 12, 2014. [Abstract](#)



Full Article

Jingsu Kang, Meirong Zhang and Chunxiong Zheng

Dirichlet-to-Neumann mapping for the characteristic elliptic equations with symmetric periodic coefficients.



Full Article

Commun. Comput. Phys., 16 (2014), pp. 1102-1115.

Published Online: August 12, 2014. [Abstract](#)

Jian Cheng and Tiegang Liu

A multi-domain hybrid DG and WENO method for hyperbolic conservation laws on hybrid meshes.

Commun. Comput. Phys., 16 (2014), pp. 1116-1134.

Published Online: August 21, 2014. [Abstract](#)