

Volume 16, Number 1**[Editorial Board.](#)**[Commun. Comput. Phys., No. 1, 16 \(2014\).](#)**Articles in the Issue:****Regular Articles:**

Alexandre Biroilleau, Gaël Poëtte and Didier Lucor

Adaptive Bayesian inference for discontinuous inverse problems, application to hyperbolic conservation laws.*Commun. Comput. Phys., 16 (2014), pp. 1-34.*Published Online: March 28, 2014. [Abstract](#)

Full Article

Yuezheng Gong, Jiaxiang Cai and Yushun Wang

Multi-symplectic Fourier pseudospectral method for the Kawahara equation.*Commun. Comput. Phys., 16 (2014), pp. 35-55.*Published Online: March 28, 2014. [Abstract](#)

Full Article

John Gounley and Yan Peng

Shape recovery of elastic capsules from shear flow induced deformation.*Commun. Comput. Phys., 16 (2014), pp. 56-74.*Published Online: March 28, 2014. [Abstract](#)

Full Article

Debraj Ghosh and Anup Suryawanshi

Approximation of spatio-temporal random processes using tensor decomposition.*Commun. Comput. Phys., 16 (2014), pp. 75-95.*Published Online: March 31, 2014. [Abstract](#)

Full Article

Kazufumi Ito and Tomoya Takeuchi

Immersed interface CIP for one dimensional hyperbolic equations.*Commun. Comput. Phys., 16 (2014), pp. 96-114.*Published Online: April 10, 2014. [Abstract](#)

Full Article

Nan Qi, Yufeng Nie and Weiwei Zhang

Acceleration strategies based on an improved bubble packing method.*Commun. Comput. Phys., 16 (2014), pp. 115-135.*Published Online: April 10, 2014. [Abstract](#)

Full Article

Yongguang Cheng, Luoding Zhu and Chunze Zhang

Numerical study of stability and accuracy of the immersed boundary method coupled to the lattice Boltzmann BGK model.*Commun. Comput. Phys., 16 (2014), pp. 136-168.*Published Online: April 10, 2014. [Abstract](#)

Full Article

Jian Deng, Cristina Anton and Yau Shu Wong

High-order symplectic schemes for stochastic Hamiltonian systems.*Commun. Comput. Phys., 16 (2014), pp. 169-200.*Published Online: April 10, 2014. [Abstract](#)

Full Article

Xianhu Zha, Shuang Li, Ruiqin Zhang and Zijing Lin

Remarkable thermal contraction in small size single-walled boron nanotubes.*Commun. Comput. Phys., 16 (2014), pp. 201-212.*Published Online: April 10, 2014. [Abstract](#)

Full Article

Marc Duruflé, Victor Péron and Clair Poignard

Thin layer models for electromagnetism.*Commun. Comput. Phys., 16 (2014), pp. 213-238.*Published Online: April 16, 2014. [Abstract](#)

Full Article

Marcello Righi

A modified gas-kinetic scheme for turbulent flow.

Commun. Comput. Phys., 16 (2014), pp. 239-263.

Published Online: April 16, 2014. [Abstract](#)



Full Article

Dirk Hartmann and Peter Hasel

Efficient dynamic floor field methods for microscopic pedestrian crowd simulations.

Commun. Comput. Phys., 16 (2014), pp. 264-286.

Published Online: April 16, 2014. [Abstract](#)



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