

Review Article



Stochastic Collocation on Unstructured Multivariate Meshes

preview

Akil Narayan and Tao Zhou

Communications in Computational Physics / Volume 18 / Issue 01 / 七月 2015, pp 1 - 36

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DOI: <http://dx.doi.org/10.4208/cicp.020215.070515a> (About DOI), Published online: 03 七月 2015

Abstract

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Research Articles



GPU Accelerated Discontinuous Galerkin Methods for Shallow Water Equations

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Rajesh Gandham, David Medina and Timothy Warburton

Communications in Computational Physics / Volume 18 / Issue 01 / 七月 2015, pp 37 - 64

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Discrete Maximum Principle for the Weak Galerkin Method for Anisotropic Diffusion Problems

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Weizhang Huang and Yanqiu Wang

Communications in Computational Physics / Volume 18 / Issue 01 / 七月 2015, pp 65 - 90

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Communications in Computational Physics / Volume 18 / Issue 01 / 七月 2015, pp 91 - 103

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Niall Emmart, Yang Chen and Charles C. Weems

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Huajie Chen and Reinhold Schneider

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Peder Aursand and Johanna Ridder

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On the “Preconditioning” Function Used in Planewave DFT Calculations and

Yunkai Zhou, James R. Chelikowsky, Xingyu Gao and Aihui Zhou

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Numerical Simulation for Moving Contact Line with Continuous Finite Element Schemes

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Yongyue Jiang, Ping Lin, Zhenlin Guo and Shuangling Dong

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A Fast Semi-Implicit Level Set Method for Curvature Dependent Flows with an Application to Limit Cycles Extraction in Dynamical Systems

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Guoqiao You and Shingyu Leung

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Modeling 3D Magma Dynamics Using a Discontinuous Galerkin Method

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Seshu Tirupathi, Jan S. Hesthaven and Yan Liang

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A Model of a Quantum Particle in a Quantum Environment: A Numerical Study

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Raffaele Carlone, Rodolfo Figari and Claudia Negulescu

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