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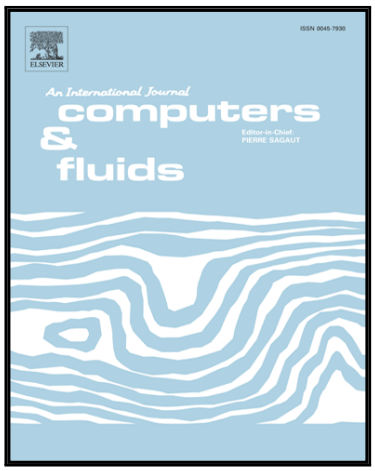

A GPU-accelerated solver for turbulent flow and scalar transport based on the Lattice Boltzmann method

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PII: S0045-7930(18)30183-X
DOI: 10.1016/j.compfluid.2018.03.079
Reference: CAF 3840

To appear in: *Computers and Fluids*

Received date: 24 January 2017
Revised date: 24 March 2018
Accepted date: 28 March 2018

Please cite this article as: Feng Ren , Baowei Song , Ya Zhang , Haibao Hu , A GPU-accelerated solver for turbulent flow and scalar transport based on the Lattice Boltzmann method, *Computers and Fluids* (2018), doi: 10.1016/j.compfluid.2018.03.079

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Highlights

- The dynamic Vreman model is incorporated under the framework of the Lattice Boltzmann approach.
- Quasi-steady and transient flows are investigated, respectively.
- The GPU parallel algorithm is introduced in detail.

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