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Title: Fluidic gates simulated with lattice Boltzmann method under different Reynolds numbers

Author: Michail-Antisthenis Tsompanas Andrew Adamatzky

PII: S1877-7503(18)30241-2
DOI: https://doi.org/doi:10.1016/j.jocs.2018.08.003
Reference: JOCS 905

To appear in:

Received date: 7-3-2018
Revised date: 28-7-2018
Accepted date: 7-8-2018

Please cite this article as: Michail-Antisthenis Tsompanas, Andrew Adamatzky, Fluidic gates simulated with lattice Boltzmann method under different Reynolds numbers, <*![CDATA[Journal of Computational Science]]*> (2018), https://doi.org/10.1016/j.jocs.2018.08.003

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The investigation of the threshold Reynolds number of the input fluid flows for fluidic gates to function was executed.

The simulation of fluidic gates was implemented with the multiple-relaxation-time lattice Boltzmann method and half-way bounce back boundary conditions.

The fluidic AND gate will function efficiently for Re number higher than 100 and the OR gate for Re higher 300.

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