Accepted Manuscript

A multiphase single relaxation time lattice Boltzmann model for heterogeneous porous media

G.G. Pereira

 PII:
 S0307-90

 DOI:
 10.1016/j

 Reference:
 APM 114

S0307-904X(16)30604-7 10.1016/j.apm.2016.11.009 APM 11435

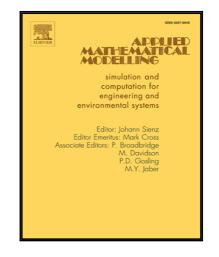
To appear in:

Applied Mathematical Modelling

Received date:30 April 2016Revised date:13 September 2016Accepted date:24 November 2016

Please cite this article as: G.G. Pereira, A multiphase single relaxation time lattice Boltzmann model for heterogeneous porous media, *Applied Mathematical Modelling* (2016), doi: 10.1016/j.apm.2016.11.009

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- Lattice Boltzmann method developed for non-binary digital data. Each voxel can be between void or solid.
- Multiphase, immiscible flow
- Excellent comparison with analytic solutions
- Applied to real CT data with realistic physical results

A CERTIFICATION OF THE SCALE

Download English Version:

https://daneshyari.com/en/article/5471134

Download Persian Version:

https://daneshyari.com/article/5471134

Daneshyari.com