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Autore	Tileston Donna Walker
Titolo	What every parent should know about schools, standards, and high stakes tests / / Donna Walker Tileston
Pubbl/distr/stampa	Thousand Oaks, California : , : Corwin Press, , 2006 ©2006
ISBN	1-4833-6145-4 1-4833-6362-7
Descrizione fisica	1 online resource (89 p.)
Disciplina	371.2
Soggetti	Education - Standards - United States Educational tests and measurements - United States Education - Parent participation - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>""Cover""; ""Contents""; ""Preface""; ""Acknowledgments""; ""About the Author""; ""Chapter 1 - Whose Standards?""; ""The History behind School Standards""; ""No Child Left Behind""; ""How to Access the Standards for Your Child's School""; ""National Standards""; ""Chapter 2 - Why Standards are Important to Education""; ""How Standards Help Produce the Alignment That Leads to Equity""; ""Alignment in the Classroom""; ""Standards as a Measuring Rod for Schools""; ""Why Adequate Yearly Progress Matters""; ""What to Do if Adequate Yearly Progress is Not Being Achieved""</p> <p>""Why Alignment is Important""""The Reality of Alignment""; ""Five Things Parents can Do""; ""Chapter 3 - Standards and Alignment""; ""The Format of Standards and Benchmarks""; ""How Standards are Used as a Guide for What Teachers Teach""; ""Why the Instructional Practice is Important to Student Success""; ""How Standards are Used as a Guide for What Teachers Assess""; ""What Does the Research Say is the Best Way to Teach Vocabulary?""; ""What Processes Will Students Need to Know?""; ""Chapter 4 - Asking the Right Questions""</p> <p>""What are the Standards and Benchmarks for My State's Schools?""""</p>

How Do I Know That My Child's School is Teaching to the State Standards?"; ""What Do I Need to Know about the High Stakes Test Given in My State?"; ""What Information Do I Need at the Local School Level?"; ""What Other Information is Important to Examine on the School's State Report Card?"; ""How can I be Sure That My Child's School Keeps Current with Quality Research on Learning?"; ""What Questions Should I Ask When Adequate Yearly Progress is Not Being Achieved?""  
""What can We Do to Improve the Education System?""""Where can I Go for More Information?"; ""What if?""; ""Chapter 5 - Helping Your Child Master High Stakes Tests""; ""Know the Vocabulary""; ""Practice Compare and Contrast""; ""Pay Attention to Your Child's Stress Levels""; ""Glossary""; ""References""; ""Index""

**Sommario/riassunto**

Help parents understand educational standards, mandated tests, No Child Left Behind, and other issues affecting their children's schools with this reader-friendly guide.

**2. Record Nr.**

**Autore**

UNINA9910462815103321

**Titolo**

Guo Zhaoli  
Lattice Boltzmann method [[electronic resource] ] : and its applications in engineering / / Zhaoli Guo, Chang Shu

**Pubbl/distr/stampa**

Singapore ; ; Hackensack, NJ, : World Scientific, c2013

**ISBN**

981-4508-30-6

**Descrizione fisica**

1 online resource (420 p.)

**Collana**

Advances in computational fluid dynamics ; ; vol. 3

**Disciplina**

530.138

**Soggetti**

Lattice dynamics  
Lattice field theory  
Electronic books.

**Lingua di pubblicazione**

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Description based upon print version of record.

**Nota di bibliografia**

Includes bibliographical references (p. 373-396) and index.

**Nota di contenuto**

Dedication; Preface; Contents; Chapter 1 Introduction; 1.1 Description of Fluid System at Different Scales; 1.1.1 Microscopic description: molecular dynamics; 1.1.2 Mesoscopic description: kinetic theory; 1.1.3 Macroscopic description: hydrodynamic equations; 1.2 Numerical

Methods for Fluid Flows; 1.3 History of LBE; 1.3.1 Lattice gas automata; 1.3.2 From LGA to LBE; 1.3.3 From continuous Boltzmann equation to LBE; 1.4 Basic Models of LBE; 1.4.1 LBGK models; 1.4.2 From LBE to the Navier-Stokes equations: Chapman-Enskog expansion; 1.4.3 LBE models with multiple relaxation times; 1.5 Summary

Chapter 2 Initial and Boundary Conditions for Lattice Boltzmann

Method 2.1 Initial Conditions; 2.1.1 Equilibrium scheme; 2.1.2 Non-equilibrium scheme; 2.1.3 Iterative method; 2.2 Boundary Conditions for Flat Walls; 2.2.1 Heuristic schemes; 2.2.2 Hydrodynamic schemes; 2.2.3 Extrapolation schemes; 2.3 Boundary Conditions for Curved Walls; 2.3.1 Bounce-back schemes; 2.3.2 Fictitious equilibrium schemes; 2.3.3 Interpolation schemes; 2.3.4 Non-equilibrium extrapolation scheme; 2.4 Pressure Boundary Conditions; 2.4.1 Periodic boundary conditions; 2.4.2 Hydrodynamic schemes

2.4.3 Extrapolation schemes

2.5 Summary; Chapter 3 Improved Lattice Boltzmann Models; 3.1 Incompressible Models; 3.2 Forcing Schemes with Reduced Discrete Lattice Effects; 3.2.1 Scheme with modified equilibrium distribution function; 3.2.2 Schemes with a forcing term; 3.2.3 Analysis of the forcing schemes; 3.2.4 Forcing scheme for MRT-LBE; 3.3 LBE with Nonuniform Grids; 3.3.1 Grid-refinement and multi-block methods; 3.3.2 Interpolation methods; 3.3.3 Finite-difference based LBE methods; 3.3.4 Finite-volume based LBE methods; 3.3.5 Finite-element based LBE methods

3.3.6 Taylor series expansion and least square based methods

3.4 Accelerated LBE Methods for Steady Flows; 3.4.1 Spectrum analysis of the hydrodynamic equations of the standard LBE; 3.4.2 Time-independent methods; 3.4.3 Time-dependent methods; 3.5 Summary;

Chapter 4 Sample Applications of LBE for Isothermal Flows; 4.1 Algorithm Structure of LBE; 4.2 Lid-Driven Cavity Flow; 4.3 Flow around a Fixed Circular Cylinder; 4.4 Flow around an Oscillating Circular Cylinder with a Fixed Downstream One; 4.5 Summary; Chapter 5 LBE for Low Speed Flows with Heat Transfer; 5.1 Multi-speed Models

5.1.1 Low-order models

5.1.2 High-order models; 5.2 MS-LBE Models Based on Boltzmann Equation; 5.2.1 Hermite expansion of distribution function; 5.2.2 Temperature/flow-dependent discrete velocities; 5.2.3 Temperature-dependent discrete velocities; 5.2.4 Constant discrete velocities; 5.2.5 MS-LBGK models based on DVBE with constant discrete velocities; 5.3 Off-Lattice LBE Models; 5.4 MS-LBE Models with Adjustable Prandtl Number; 5.5 DDF-LBE Models without Viscous Dissipation and Compression Work; 5.5.1 DDF-LBE based on multi-component models; 5.5.2 DDF-LBE for non-ideal gases

5.5.3 DDF-LBE for incompressible flows

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## Sommario/riassunto

Lattice Boltzmann method (LBM) is a relatively new simulation technique for the modeling of complex fluid systems and has attracted interest from researchers in computational physics. Unlike the traditional CFD methods, which solve the conservation equations of macroscopic properties (i.e., mass, momentum, and energy) numerically, LBM models the fluid consisting of fictive particles, and such particles perform consecutive propagation and collision processes over a discrete lattice mesh. This book will cover the fundamental and practical application of LBM. The first part of the book consists of

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3. Record Nr.	UNINA9910136177903321
Autore	John McLennan
Titolo	Effective and Sustainable Hydraulic Fracturing // edited by Andrew Bunker, John McLennan, and Rob Jeffrey
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ISBN	953-51-6341-8 953-51-1137-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1074 pages) : illustrations
Disciplina	622.3381
Soggetti	Shale gas industry Hydraulic fracturing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book comprises the proceedings for the International Conference for Effective and Sustainable Hydraulic Fracturing (HF2013) which was held 20-22 May 2013 in Brisbane, Australia. The conference goal was to advance hydraulic fracturing technology that is effective in its purpose and sustainable in its impacts on communities and environments by bringing together hydraulic fracturing experts not only from the petroleum industry, but also from other application areas of hydraulic fracturing such as mining and geothermal energy production. Topics include hydraulic fracturing of naturally fractured formations, well completions and fracture initiation, induced seismicity, experimental investigations, and coupled modelling. Beyond this mix of traditional hydraulic fracturing research topics, this book includes papers on applications in mining and also on regulations, risk, and communities.