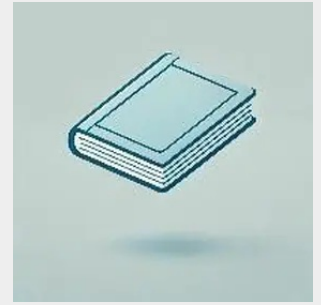


Fluid Dynamics with the Lattice Boltzmann Method

Originating from the lattice Gas Automaton, LBM has reshaped the field with its straightforward approach and high efficacy. Despite its widespread use, navigating the scattered literature can be daunting for newcomers. Fluid Dynamics with the Lattice Boltzmann Method presents a clear path from novice to expert. This comprehensive guide bridges gaps in understanding, covering essential principles and exploring advanced topics like compressible flows and combustion. Authored by experts, this book consolidates diverse models and recent advancements, ensuring you're equipped to navigate the latest developments in computational fluid dynamics. Whether you're just starting out or aiming to stay ahead of the curve, this book is your essential companion in mastering LBM.

Originating from the lattice Gas Automaton, LBM has reshaped the field with its straightforward approach and high efficacy. Despite its widespread use, navigating the scattered literature can be daunting for newcomers. Fluid Dynamics with the Lattice Boltzmann Method presents a clear path from novice to expert. This comprehensive guide bridges gaps in understanding, covering essential principles and exploring advanced topics like compressible flows and combustion. Authored by experts, this book consolidates diverse models and recent advancements, ensuring you're equipped to navigate the latest developments in computational fluid dynamics. Whether you're just starting out or aiming to stay ahead of the curve, this book is your essential companion in mastering LBM.



175,50 €

175,50 € (zzgl. MwSt.)

*vorbestellbar, Erscheinungstermin ca.
Oktober 2026*

Artikelnummer: 9780443383236

Medium: Buch

ISBN: 978-0-443-38323-6

Verlag: Elsevier Science

Erscheinungstermin: 01.10.2026

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2026

Produktform: Kartoniert

Gewicht: 450 g

Seiten: 250

Format (B x H): 152 x 229 mm

