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## Progress in Computational Physics Volume 3 Novel Trends in Lattice-Boltzmann Methods

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Wave Propoagation in Periodic Media - Progress in Computational Physics is a new e-book series devoted to recent research trends in computational physics. It contains chapters contributed by outstanding experts of modeling of physical problems. The series focuses on interdisciplinary computational perspectives of current physical challenges, new numerical techniques for the solution of mathematical wave equations and describes certain real-world applications.

## Contents

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- Add-ons for Lattice Boltzmann Methods: Regularization, Filtering and Limiters
- Discrete-Velocity Models and Lattice Boltzmann Methods for Convection-Radiation Problems
- Asymptotic Analysis of Lattice Boltzmann Methods for Flow-Rigid Body Interaction
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