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## 陈锋-副教授

时间: 2019-07-06



陈锋

### 教育及工作经历:

2009年9月-2012年6月 中国矿业大学(北京) 工学博士  
2012年6月-2013年12月 临沂大学 讲师  
2013年12月-至今 山东交通学院 副教授

### 研究方向:

流体力学: 复杂流体、软物质、流体不稳定性的离散Boltzmann仿真与非平衡行为研究。

### 科研项目:

1. 山东省教育厅, 山东省高等学校青创科技支持计划, 2019KJJ009, 冲击作用下多相复杂系统动力学与非平衡效应研究, 2019-09至2022-08, 15万元, 在研, 主持
2. 国家自然科学基金委员会, 青年项目, 11402138, 高马赫数可压缩流体的格子玻尔兹曼方法研究与应用, 2015-01至2017-12, 22万元, 已结题, 主持

### 获奖:

1. Chen Feng, Viscosity, heat conductivity, and Prandtl number effects in the Rayleigh Taylor Instability, 中国物理学会, Frontiers of Physics Outstanding Paper Awards, 2019(Chen Feng; Xu Aiguo; Zhang Guangcai).
2. 陈锋, 高速可压与多相复杂流体的离散玻尔兹曼模拟与非平衡效应研究, 河北省政府, 河北省科学技术奖, 三等奖, 2017(甘延标; 许爱国; 陈锋, 李英骏).
3. 陈锋, 多相流及流体不稳定性的格子玻尔兹曼建模与模拟研究, 教育部, 高等学校科学研究优秀成果奖, 二等奖, 2015(李英骏; 甘延标; 陈锋).

### 发表文章:

1. Feng Chen\*, Aiguo Xu\*, Yudong Zhang, Qingkai Zeng, Morphological and non-equilibrium analysis of coupled Rayleigh-Taylor-Kelvin-Helmholtz instability, Physics of Fluids, (2020). (Editor's Pick).

2. Feng Chen\*, Aiguo Xu\*, Guangcai Zhang, Collaboration and Competition Between Richtmyer-Meshkov instability and Rayleigh-Taylor instability, *Physics of Fluids*, 30(10): 102105 (2018). (Editor's Pick).
3. Feng Chen, Aiguo Xu, Guangcai Zhang, Viscosity, heat conductivity, and Prandtl number effects in the Rayleigh Taylor Instability, *Frontiers of Physics*, 11(6): 114703 (2016).
4. Feng Chen, Aiguo Xu, Guangcai Zhang, Two-dimensional Multiple-Relaxation-Time Lattice Boltzmann model for compressible and incompressible flows, *Frontiers of Physics*, 9(2): 246-254 (2014).
5. Aiguo Xu, Guangcai Zhang, Yanbiao Gan, Feng Chen, Lattice Boltzmann modeling and simulation of compressible flows, *Frontiers of Physics*, 7: 582 (2012).
6. Feng Chen, Aiguo Xu, Guangcai Zhang, Yingjun Li, Prandtl number effects in MRT Lattice Boltzmann models for shocked and unshocked compressible fluids, *Theoretical & Applied Mechanics Letters*, 1: 052004 (2011).
7. Feng Chen, Aiguo Xu, Guangcai Zhang, Yingjun Li, Flux Limiter Lattice Boltzmann for Compressible Flows, *Communications in Theoretical Physics*, 56: 333 - 338 (2011).
8. Feng Chen, Aiguo Xu, Guangcai Zhang, Yingjun Li, Multiple-relaxation-time lattice Boltzmann model for compressible fluids, *Physics Letters A*, 375: 2129 - 2139 (2011).
9. Feng Chen, Aiguo Xu, Guangcai Zhang, Yingjun Li, Multiple-Relaxation-Time Lattice Boltzmann Approach to Richtmyer -Meshkov Instability, *Communications in Theoretical Physics*, 55: 325 - 334 (2011).
10. Feng Chen, Aiguo Xu, Guangcai Zhang, Yingjun Li, Three-Dimensional Lattice Boltzmann Model for High-Speed Compressible Flows, *Communications in Theoretical Physics*, 54: 1121 - 1128 (2010).
11. Feng Chen, Aiguo Xu, Guangcai Zhang, Yingjun Li, Sauro Succi, Multiple-relaxation-time lattice Boltzmann approach to compressible flows with flexible specific-heat ratio and Prandtl number, *Europhysics Letters*, 90: 54003 (2010).
12. Feng Chen, Aiguo Xu, Guangcai Zhang, Yanbiao Gan, Tao Cheng, Yingjun Li, Highly efficient Lattice Boltzmann Model for Compressible Fluids: Two-Dimensional Case, *Communications in Theoretical Physics*, 52: 681 - 693 (2009).

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