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| **教育背景** | | | |
| **1988 - 1992** | | | **博士研究生**，北京大学数学科学学院 **导师**：应隆安教授 |
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| **工作经历** | | | |
| **2015-**  **2010-** | | | **副教务长**，学科建设办公室主任，北京大学  **主任**，“数学及其应用”教育部重点实验室 |
| **2001-**  **2013-2015**  **1999-2008** | | | **常务副主任**，北京大学科学与工程计算中心  **常务副院长**，北京大学数学科学学院  **系主任**，北京大学数学科学学院科学与工程计算系 |
| **1996-** | | | **教授**， 北京大学数学科学学院 |
| **1994-1996** | | | **副教授**，北京大学数学科学学院 |
| **1992-1994** | | | **讲师**，北京大学数学科学学院 |
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| **研究领域** | | | |
| 软物质(复杂流体)的建模和计算 | |
| 应用分析和数值分析 | |
| 移动网格方法及其应用 | |
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| **所获荣誉与奖励** | | | |
| **2015**  **2014** | | | **中国科学院院士**  **国家自然科学奖二等奖** |
| **2010** | | | **北京市师德标兵** |
| **2002** | | | **长江学者** |
| **1999** | | | **冯康科学计算奖** |
|  | | |  |
| **学术兼职** | | | |
| **2016-** | | | **理事长**，**学术委员会主席**，中国工业与应用数学学会(CSIAM) |
| **2015-** | | | **学术委员会副主任**，“大规模科学与工程计算”国家重点实验室 |
| **2010-2014** | | | **副理事长**，中国计算数学学会 |
| **2006-** | | | **学术委员会副主任**，北京应用物理与计算数学研究所计算物理实验室 |
| **2002-2006** | | | **副理事长**，中国计算数学学会 |
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| **学术交流** | | | |
| **2002-2004** | | | **访问学者**，普林斯顿大学 应用与计算数学系 (5个月) |
| **1995-1999** | | | **访问学者**，加州理工学院 应用数学系 (23个月) |
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| **杂志编委** | | | |
| **2014-** | | | Multiscale Modeling & Simulation, A SIAM Interdisciplinary Journal |
| **2012-** | | | Discrete and Continuous Dynamical System - B |
| **2011-** | | | Journal of Mathematics in Industry (Coordinating Editors) |
| **2010-** | | | Applied Mathematics and Mechanics (Associate Chief-Editor from 2014) |
| **2007-** | | | Journal of Computational Mathematics |
| **2006** | | | Communications in Computational Physics |
| **2005** | | | Communications in Mathematical Sciences |
| **2005-2013** | | | SIAM Journal on Numerical Analysis |
| **代表性论文** | | | |
| **Modeling and Simulation of Soft Matter (Complex Fluids)** | | | |
| **1.**  **2.** | Jiequn Han, Yi Luo, Wei Wang, Pingwen Zhang, Zhifei Zhang, *From Microscopic Theory to Macroscopic Theory: a Systematic Study on Modeling for Liquid Crystal*s, **Archive for Rational Mechanics and Analysis**,215(3), 741-809, (2015)  Kai Jiang and Pingwen Zhang\*, *Numerical Methods for Quasicrystals*, **Journal of Computational Physics,** 256, 428-440, (2014) | | |
| **3.** | Weiquan Xu, Kai Jiang, Pingwen Zhang\* and An-Chang Shi\*, A Strategy to Explore Stable and Metastable Ordered Phases of Block Copolymers, **Journal of Physical Chemistry B**, 117 (17), 5296-5405, (2013). | | |
| **4.** | Chu Wang, Kai Jiang, Pingwen Zhang\* and An-Chang Shi\*, *Origin of Epitaxies Between Ordered Phases of Block Copolymers*, **Soft Matter,** 7, 10552-10555, (2011) | | |
| **5.** | Kai Jiang, Yunqing Huang and Pingwen Zhang\*, *Spectral method for exploring patterns of diblock copolymers*, **Journal of Computational Physics,** 229(20), 7796-7805, (2010) | | |
| **6.**  **7.**  **8.** | Xiuyuan Cheng, Ling Lin, Weinan E, Pingwen Zhang\* and An-Chang Shi\*, *Nucleation of Ordered Phases in Block Copolymers*, **Physical Review Letters,** 104(14), 148301, (2010)  Ling Lin, Xiuyuan Cheng, Weinan E, An-Chang Shi and Pingwen Zhang\*, *A numerical method for the study of nucleation of ordered phases*, **Journal of Computational Physics**, 229(5), 1797-1809, (2010)  Pingwen Zhang\* and Xinwei Zhang, *An efficient numerical method of Landau-Brazovskii model*, **Journal of Computational Physics**, 227 (11), 5859-5870, (2008) | | |
| **9.** | Dongzhuo Zhou, An-Chang Shi\* and Pingwen Zhang\*, *Numerical simulation of phase separation coupled with crystallization*, **Journal of Chemical Physics**, 129, 154901, (2008) | | |
| **10.** | Haijun Yu and Pingwen Zhang\*, *A kinetic-hydrodynamic simulation of microstructure of liquid crystal polymers in plane shear flow*, **Journal of Non-Newtonian Fluid Mechanics,** 141 (2-3): 116-127 Feb. 15 (2007) | | |
| **11.** | Dongzhuo Zhou, Pingwen Zhang\* and Weinan E\*, *Modified models of polymer phase separation*, **Physical Review E,** 73 (6): Art. No. 061801 Part 1 Jun. (2006) | | |
| **Applied Analysis and Numerical Analysis** | | | |
| **1.** | Wei Wang, Pingwen Zhang and Zhifei Zhang, The Small Deborah Number Limit of the Doi-Onsager Equation to the Ericksen-Leslie Equation , **Communications on Pure and Applied Mathematics**, 68 (8), 1326-1398, (2015). | | |
| **2.**  **3.**  **4.** | Wei Wang, Pingwen Zhang and Zhifei Zhang, Well-Posedness of the Ericksen-Leslie System, **Archive for Rational Mechanics and Analysis**, 210 (3), 837-855, (2013).  Tiejun Li and Pingwen Zhang, *Mathematical analysis of multi-scale models of complex fluids*, **Communications in Mathematical Sciences,** 5 (1): 1-51 Mar. (2007)  Hui Zhang and Pingwen Zhang, *Local existence for the FENE-dumbbell model of polymeric fluids,* **Archive for Rational Mechanics and Analysis**, 181 (2): 373-400 Jul. (2006) | | |
| **5.** | Hailiang Liu, Hui Zhang and Pingwen Zhang, *Axial symmetry and classification of stationary solutions of Doi-Onsager equation on the sphere with Maier-Saupe potential*, **Communications in Mathematical Sciences**, 3: 201-218, (2005) | | |
| **6.** | Chong Luo, Hui Zhang and Pingwen Zhang, *The structure of equilibrium solutions of one-dimensional Doi equation*, **Nonlinearity**, 18, 379-389, (2005) | | |
| **7.**    **8.** | Weinan E, Pingbing Ming and Pingwen Zhang, *Analysis of the heterogeneous multiscale method for elliptic homogenization problems*, **Journal of the American Mathematical Society** 18 (1): 121-156, (2005)  Weinan E, Tiejun Li and Pingwen Zhang, *Well-posedness for the dumbbell model of polymeric fluids*, **Communications in Mathematical Physics**, 248 (2): 409-427, (2004) | | |
| **Moving Mesh Methods and Applications** | | | |
| **1.** | Yana Di, Ruo Li, Tao Tang and Pingwen Zhang, *Moving mesh finite element methods for the incompressible Navier-Stokes equations*, **SIAM Journal on Scientific Computing,** 26 (3): 1036-1056, (2005) | | |
| **2.** | Rou Li, Tao Tang and Pingwen Zhang, *A moving mesh finite element algorithm for singular problems for two and three space dimensions*, **Journal Computational Physics**, 177, 365-393 (2002) | | |
| **3.** | Rou Li, Tao Tang and Pingwen Zhang, *Moving mesh methods in multiple dimensions based on harmonic maps*, **Journal of Computational Physics**, 170, 562-588 (2001) | | |