

个人简历

谢双全

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个人信息

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工作经历

2013/01-2017/05, 助教 (Tutor), 各类本科基本课程, 加拿大戴尔豪斯大学.

2015/09-2016/04, 助教 (Tutor), 线性代数, 加拿大英属哥伦比亚大学.

2015/05 讲师 (Instructor), 常微分方程 I, 加拿大戴尔豪斯大学.

2017/06 讲师 (Instructor), 常微分方程 II, 加拿大戴尔豪斯大学.

2017/10/01-至今 助理教授 (Assistant Professor), 日本东北大学高等材料研究中心数学组

教育经历

2013/01/04-2017/09/28 应用数学博士 加拿大戴尔豪斯大学

博士论文: Complex dynamics of localized patterns in reaction-diffusion systems.

导师: Theodore Kolokolnikov 教授

2010/09/01-2012/07/28 基础数学硕士 武汉大学

硕士论文: Application of moving plane method on PDE.

导师: 陈文艺教授

2006/09/01-2010/07/01 基础数学本科 武汉大学

研究兴趣

- 生物数学及集群行为
- 数学物理
- 动力系统
- 数据驱动建模

学术文章

1. **S Xie**, PG Kevrekidis, T Kolokolnikov, Multi-vortex crystal lattices in Bose-Einstein condensates with a rotating trap. Proc. R. Soc. A (2018) 474 (2213), 20170553.
2. PG Kevrekidis, W Wang, R Carretero-González, DJ Frantzeskakis, **S Xie**, Vortex procession dynamics in general radially symmetric potential traps in two-dimensional atomic Bose-Einstein condensates, Physical Review A (2017) 96 (4), 043612.

3. E.A Hernandez, **S Xie**, K Akagi, Y Nishiura, Bridging a mesoscopic inhomogeneity to macroscopic performance of amorphous materials in the framework of the phase field modeling , Physica D: Nonlinear Phenomena (2020), 132470.
4. T Kolokolnikov, **S Xie**, Spike density distribution for the Gierer-Meinhardt model with precursor, Physica D: Nonlinear Phenomena (2020): 132247.
5. **S Xie**, T Kolokolnikov, Moving and jumping spot in a two-dimensional reaction–diffusion model, Nonlinearity (2017) 30 (4), 1536.
6. JC Tzou, **S Xie**, T Kolokolnikov, First-passage times, mobile traps, and Hopf bifurcations,(2014) Physical Review E 90 (6), 062138.
7. **S Xie**, T Kolokolnikov, Oscillations of many interfaces in the near-shadow regime of two-component reaction-diffusion systems,(2016) DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B 21 (3), 959-975.
8. JC Tzou, **S Xie**, T Kolokolnikov, MJ Ward, The stability and slow dynamics of localized spot patterns for the 3-d Schnakenberg reaction-diffusion model, (2017) SIAM Journal on Applied Dynamical Systems 16 (1), 294-336.
9. **S Xie**, T Kolokolnikov and Y. Nishiura, Complex oscillatory motion of multiple spikes in a three-component Schnakenberg system, preprint

学术会议

- SIAM Conference on Applications of Dynamical Systems, Snowbird, 盐城, 美国, 2015/05
- 英属哥伦比亚大学访问学生, 加拿大, 2015/10-2016/4
- Coherent Structures in PDEs and Their Application Workshop,Oaxaca, 墨西哥, 2016/06
- SIAM Conference on Applications of Dynamical Systems, Snowbird, 盐城, 美国, 2017/05
- Canadian Applied and Industrial Mathematics Annual Meeting, 哈利法克斯, 加拿大, 2016/06.
- SIAM Conference on Applications of Dynamical Systems, 拉昆塔, 美国, 2019/12

语言和电脑技能

语言	普通话, 英文
软件	LaTeX, Matlab, Mathematica, Python, Maple, FreeFem