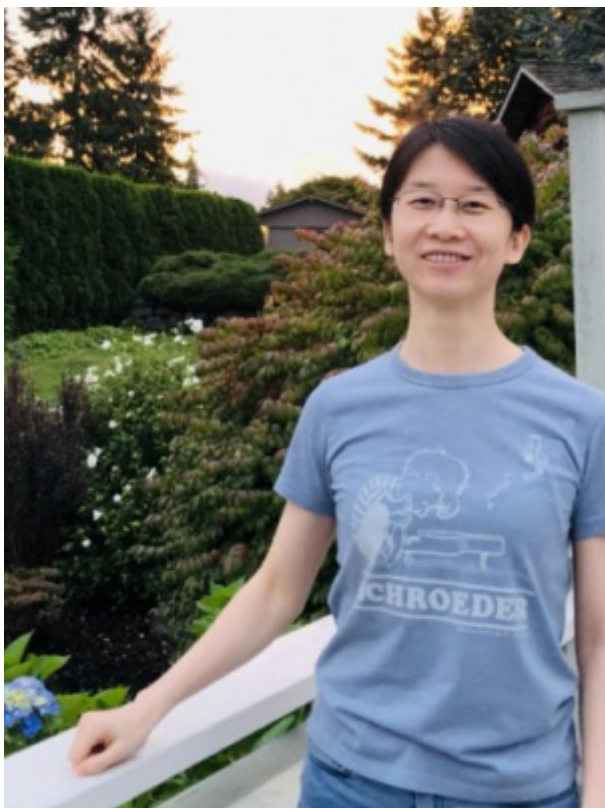




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发表论文:

[1] Y. Deng, S. Ibrahim: Global Existence and Singularity of the N-body Problem with Strong Force. Qualitative Theory of Dynamical Systems. 19, Article number: 49 (2020)



[2] Y. Deng, F. Diacu, S. Zhu: Variational Property of Periodic Kepler Orbits in Constant Curvature Spaces. *Journal of Differential Equations*, 267, 5851-5869 (2019)

[3] Y. Deng, Z. Xia: Instability of Periodic Orbits by Conley-Zehnder Index Theory. *Proceedings of A.M.S.* DOI: <https://doi.org/10.1090/proc/14253> (2018)

[4] Y. Deng, Z. Xia: Conley-Zehnder index and bifurcation of fixed points of Hamiltonian maps. *Ergodic Theory and Dynamical Systems*, 38(6), 2086-2107 (2018)

学术报告:

2019年12月, Global Dynamics of the Hill' s Type Lunar Problem, a PDE Approach. SIAM Conference on Analysis of Partial Differential Equations. La Quinta, California, U.S.

2019年7月, A PDE approach to the N-body problem with strong force. Banff International Research Station for Mathematical Innovation and Discovery (BIRS) Workshop "Advances in Dispersive Equations: Challenges & Perspectives". Banff, Alberta, Canada

2019年6月, Global Existence and Singularity of the N-body Problem with Strong Force. CAIMS Annual Meeting. Whistler, BC, Canada

2018年12月, Global Existence and Singularity of the N-body Problem with Strong Force. CMS Winter Meeting. Vancouver, BC, Canada

2016年12月, Conley-Zehnder Index and Bifurcation of Fixed Points of Hamiltonian Maps. CMS Winter Meeting. Niagara Falls, Ontario, Canada

2016年7月, Stability of Periodic Orbits by Conley-Zehnder Index Theory. International Conference on Statistical Properties of Nonequilibrium Dynamical Systems. Shenzhen, Guangdong, China



2015年3月, Instability of Periodic Minimizers by Conley-Zehnder Index. AMS Joint Mathematics Meetings. East Lansing, Michigan, U.S.

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