Yuxiang Jiao
焦宇翔

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Beijing International Center for Mathematical Research
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▪ Educations

Ph.D., **Peking University**, 2022 - present.
○ The advisor: Gang Tian.

B.S. in mathematics, **Peking University**, 2018 - 2022.
○ Thesis title: *On Regularity of Stationary Measures on Weakly Contracting Systems.*
○ Thesis advisors: Weikun He and Disheng Xu.

High school, **The High School Affiliated to Renmin University of China**, 2015 - 2018.

▪ Research Interests

Dynamical system. Random dynamics and smooth group actions. Dimension theory. Homogeneous Dynamics. Connection with arithmetic combinatorics.

▪ Grants & Honors

○ Xiao-Song Lin Fellowship. (2022)
○ Excellent Graduate of Peking University. (2022)
○ Gold medal in China Mathematics Olympiad, the second round in Team Selection Test. (2017)

▪ Papers

○ (with Weikun He and Disheng Xu) *On the dimension theory of random walks and group actions by circle diffeomorphisms*, preprint, arXiv: 2304.08372.
○ (with Jialun Li, Wenyu Pan and Disheng Xu) On the dimension of limit sets on $\mathbb{P}(\mathbb{R}^3)$ via stationary measures: variational principles and applications. arXiv:2311.10262.