

Yuxiang Jiao

焦宇翔

Peking University
Beijing International Center for Mathematical Research
No.5 Yiheyuan Road, Haidian District, Beijing, China
☎ +86 157-0112-0910
✉ ajorda@pku.edu.cn



■ Educations

Ph.D., **Peking University**, 2022 - present.

- The advisor: Gang Tian.
- Co-advisors: Weikun He and Disheng Xu.

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 dimension theory of random walks and group actions by circle diffeomorphisms*, preprint, [arXiv: 2304.08372](https://arxiv.org/abs/2304.08372).
- (with Disheng Xu) *Group actions of C^1 circle diffeomorphisms*, in preparation.