

ZHONGKAI TAO

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RESEARCH INTERESTS

Microlocal analysis, spectral theory and dynamical systems.

EDUCATION

University of California, Berkeley

PhD candidate in Mathematics.

Advisor: Maciej Zworski.

August 2020 - Present

Xi'an Jiaotong University

Bachelor of Science in Mathematics.

September 2016 - July 2020

RESEARCH PAPERS

1. Flat trace estimates for Anosov flows, with Long Jin; arXiv:2204.02677.
2. Exact Control for Schrödinger Equation on Torus, *Pure and Applied Mathematics* 3(2021), 387-401.
3. 0-th Order Pseudo-differential Operator on the Circle, to appear in *Proceedings of the AMS*.

SEMINARS AND TALKS

- Observability for Schrodinger equation on the torus, *Harmonic Analysis and Differential Equations Seminar (HADES)*, UC Berkeley, October 2021.

TEACHING

- Fall 2021, Math 53 (Multivariable Calculus), UC Berkeley, teaching assistant
- Spring 2021, Math 53 (Multivariable Calculus), UC Berkeley, teaching assistant