

Kotaro Kajita

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Department of Mathematics, University of Kentucky

722 Patterson Office Tower, Lexington, KY, 40506

EDUCATION

University of Kentucky <i>Doctoral Program : Mathematics</i>	Lexington, KY <i>August 2021-Current</i>
University of Kentucky <i>Master of Arts : Mathematics</i>	Lexington, KY <i>May 2024</i>
Oberlin College <i>Bachelor of Arts : Mathematics (with honors), Physics</i>	Oberlin, OH <i>May 2021</i>

RESEARCH

Current Research <i>University of Kentucky</i> (Advisor : Peter Hislop) Fractional Moment Method for Anderson Localization : Using FMM to determine the localization energies of a random Schrödinger operator with magnetic field.	August 2021 – Current
Honors Research <i>Oberlin College</i> (Advisor : Jim Walsh) Discontinuous ODE model of glacial cycles : Using low order ODE to model the non-glacial to small glacial state with dynamic ice line and diffusive heat transport.	August 2020 – May 2021

AWARDS

Department Summer Fellowship (University of Kentucky)	May 2024
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CONFERENCE / SEMINAR

MAQD summer school (Northwestern University) <i>Attended</i>	June 2024
SMS summer school (University of Montreal) <i>Attended</i>	July 2023
Great Lakes Mathematical Physics Meeting <i>Attended</i>	June 2022,2023,2024
Ohio River Analysis Meeting <i>Attended</i>	March 2023,2024
Graduate Student Colloquium (Kentucky) <i>Organizer</i>	January 2022–December 2022

TEACHING

Primary Instructor*University of Kentucky*

- Math for Elementary School Teachers
- Differential Equations

Teaching Assistant*University of Kentucky*

- Multivariable Calculus
- Calculus I
- Differential Equations

Grader*University of Kentucky & Oberlin College*

- Differential Equations
- Multivariable Calculus
- Calculus I
- Mechanics and Relativity

Math 301 (Analysis) Dedicated Tutor

September 2020 – December 2020

*Oberlin College***Physics 110 (Mechanics and Relativity) Lab Assistant** September 2019 – December 2019*Oberlin College*

SKILLS

Computer Programs: Python, MATLAB, Mathematica, LaTeX**Language:** Japanese (Native), English (Fluent)