

Luke Baker

Department of Mathematics
University of Oregon
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Education

Ph.D. in Mathematics

University of Oregon, Eugene, OR
2023 – Present
Advisor: Jason Murphy

B.S. in Pure Mathematics and Computer Science

Florida State University, Tallahassee, FL
Summa Cum Laude
2019 – 2023

Publications and Preprints

L.Baker and J. Murphy, *Scattering for the 1d NLS with localized nonlinearities*. Preprint. [arXiv]

Teaching Experience

Teaching Assistant:

- MATH 111Z – Precalculus 1: Functions (Fall 2023)
- MATH 243Z – Elementary Statistics (Fall 2024)

Lead Instructor:

- MATH 111Z – Precalculus 1: Functions (Winter 2024)
 - MATH 251 – Differential Calculus (Spring 2024)
 - MATH 112Z – Precalculus 2: Trigonometry (Winter 2025)
 - MATH 253 – Calculus: Sequences and Series (Spring 2025)
 - MATH 251 – Differential Calculus (Fall 2025)
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Service and Outreach

2022-2023. Organizer, Volunteer, Problem Writer. ACM at FSU Programming Contest.

2024 - 2025. Volunteer, Eugene Math Festival.

2025. Supervisor, Directed reading program for undergraduates.

2025. Presenter, Research Presentation for UO Math Club.

2025. Panel member, Panel for undergraduates interested in graduate school.