

## Research Interests

I am interested in low-dimensional geometry and topology and Bers-Teichmüller theory. In particular I like to study geodesic currents and how they can be used to study geometric and topological phenomena.

## Education

BS Mathematics	Indiana University, Bloomington, 2022
BA Classical Studies	Indiana University, Bloomington, 2022
MA Mathematics	Indiana University, Bloomington, 2023

## Honors and Awards

William P. Ziemer Award	Indiana University Math Department 2019
Lillian Gay Berry Latin Scholarship	Indiana University Classical Studies Department, 2020-21
Corey M. Manack Memorial Scholarship	Indiana University Math Department 2020
Marie S. Wilcox Scholarship	Indiana University Math Department 2021
Rainard Benton Robbins Prizein Mathematics	Indiana University Math Department 2022

## Preprint(s)

### Preprints

- [0] Julia Plavnik, Sean Sanford, and Dalton Sconce. "Tambara-Yamagami Categories over the Reals: The Non-Split Case". URL: <https://arxiv.org/abs/2303.17843>.

## Contributed Talks

- (upcoming) *Why do we care about geodesic currents?* Graduate Student Geometry and Topology Seminar, April 2024

## Teaching

- MATH-J111 Introduction to College Mathematics I, Instructor of Record, Fall 2023
- MATH-M118 Finite Mathematics, Associate Instructor, Fall 2023

- Directed Reading Program adviser, Fall 2024
- MATH-J112 Introduction to College Mathematics II, Instructor of Record, Spring 2023
- MATH-M119 Brief Survey of Calculus, Associate Instructor, Spring 2023
- MATH-M118 Finite Mathematics, Associate Instructor, Summer 2023
- MATH-M127 Precalculus with Trigonometry, Instructor of Record, Fall 2023
- MATH-M106 Math of Beauty and Decision, Making Associate Instructor, Spring 2024