Curriculum Vitae[1]

Yumin Shen[2]

Education

BS in Mathematics, *summa cum laude*
The Ohio State University   May 2024
MA in Mathematics
University of Wisconsin–Madison   May 2025
PhD in Mathematics
The Pennsylvania State University   Expected May 2030

Awards, Fellowships, Honors and Scholarships

At The Pennsylvania State University
  2025/2026 Academic Year University Graduate Fellow
At The Ohio State University
  1st Place, 2024 Gordon Mathematics Competition
  2nd Place, 2023 Gordon Mathematics Competition
  2024 Grace Bareis Math Prize Scholarship
  2023 Grace Bareis Math Prize Scholarship
  2023 Undergraduate Research Scholarship

Papers and Preprints

Anosov magnetic flows on surfaces, joint with James Marshall Reber, arXiv: 2406.18735   2024

Presentations[3]

"Universal Cover of Non-Positively Curved Surface", The Ohio State University, 2024
"Some Algebraic Structures of Links: from 0 to ε", The Ohio State University, 2023
"Alternating knots and Tait Conjecture", The Ohio State University, 2023
"Fundamental Theorem of Riemannian Geometry", The Ohio State University, 2023
"The Invariant Subspace Problem", The Ohio State University, 2023
"Measure, Integration and Dominated Convergence Theorem", The Ohio State University, 2022

Employment

At University of Wisconsin-Madison:
  Fall 2024: Grader for Math 322: Applied Mathematical Analysis (Partial Differential Equations and Special Functions)
  Supervisor: Saverio Spagnolie

Other Skills

Programming languages: C, C++, Python, Matlab, Assembly for 89C51.
Natural languages: Mandarin Chinese, Shanghainese, English, Japanese

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[1]Last Modified: April 16, 2025
[2]Email: nimuynehs@psu.edu
[3]Some slides archived in homepage