

Sergey Nersisyan

Columbia University

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Research Interests

Low-dimensional topology; in particular, 4-manifolds and exotica.

Education

Columbia University, New York 2022–2027 (expected)
Ph.D., Mathematics, advised by Francesco Lin

Princeton University, Princeton 2018–2022
B.A., Mathematics, High Honors

Preprints and Publications

1. **Links of Mazur manifolds and exotica**, arXiv:2606.24220

Invited Talks

Stony Brook and Simons Center Joint Topology Seminar September 2026
Open Problem Presentation July 2026
PCMI Graduate Summer School, Park City
Lightning Talk June 2026
New Structures in Low-Dimensional Topology Workshop, Caltech, Pasadena

Teaching Assistant Experience

Columbia University

- Calculus III, GU1201 Fall 2026
- Honors Mathematics B, GU1218 (TA + Recitation) Spring 2026
- Ordinary Differential Equations, GU2030 Fall 2025
- Introduction to Differentiable Manifolds, GU4081 Spring 2025
- Calculus II, GU1102 Fall 2024
- Combinatorics, GU2006 Spring 2024
- Topology, GU4051 Fall 2023

Awards

- **The Shapiro Prize for Academic Excellence**, Princeton University 2020–2021
- **Bronze Medal at International Mathematics Olympiad** 2015, 2016, 2017

Service and Outreach

- Columbia Math DRP: mentored undergraduates in topology 2025–2026
- Taught a Math Club meant to prepare Armenia's High schoolers for IMO 2018 2017–2018