

Aisha Mechery

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EDUCATION

Rice University Ph.D. in Mathematics. Advisor: Chris Leininger	2021 -
Bryn Mawr College B.A. and M.A. in Mathematics, magna cum laude with departmental honors	2016-20

PUBLICATIONS

C. Daly, J. Gaster, M. Lahn, A. Mechery and S. Nayak, *Algebraic k -systems of curves*, *Geometriae Dedicata*. vol 209, 125-134, 2020

TALKS

Geodesic and Horocycle Flows <i>RivGGT, University of Virginia</i>	May 2025
Introduction to Geodesic Currents <i>RTG Seminar, Rice University</i>	March 2025
Supercongruences to Higher Prime Power Moduli <i>Young Mathematicians Conference, Ohio State University</i>	August 2019
p-adic Analysis and Supercongruences to Higher Prime Power Moduli <i>Master's thesis defense, Bryn Mawr College</i>	May 2019
Curves on Surfaces <i>Distressing Math Collective, Bryn Mawr College</i>	March 2019

AWARDS AND DISTINCTIONS

Baker College's Best Professor Award , <i>Rice University</i>	2023
Charlotte Angus Scott Prize in Mathematics , <i>Bryn Mawr College</i>	2020
Community Building Honor Roll , <i>Bryn Mawr College</i>	2019, 2020
Presidential Scholarship , <i>Bryn Mawr College</i>	2016-20
MAA Outstanding Poster Award , <i>Joint Mathematics Meetings</i>	2019

CONFERENCES AND WORKSHOPS

Wasatch Topology Conference <i>Park City, Utah</i>	August 2025
LG&TBQ2 <i>Centre de Recherches Mathématiques</i>	June 2025
Riverside Workshop on Geometric Group Theory <i>University of Virginia</i>	May 2025
Inverting Hierarchies <i>University of California, Riverside</i>	April 2025
Joint Mathematics Meetings	January 2019, 2020, 2024, 2025
Big Ideas in Dynamics <i>University of Illinois Chicago</i>	September 2024
Graduate Student Conference <i>Temple University</i>	June 2024
Texas Geometry and Topology <i>Rice University</i>	November 2023

Redbud Topology <i>University of Oklahoma</i>	March 2023
Riverside Workshop on Geometric Group Theory <i>University of California, Riverside</i>	March 2023
Texas Women in Math Symposium <i>University of Texas, Austin</i>	March 2023
Geometry, Arithmetic and Groups <i>University of Texas, Austin</i>	June 2022
Roots of Unity Workshop <i>Institute for Mathematics and Its Applications</i>	June 2022
Texas Women in Math Symposium <i>Rice University</i>	February 2022
paraDIGMS	April 2021
Field of Dreams <i>Washington University in St. Louis</i>	November 2019
Young Mathematicians Conference <i>Ohio State University</i>	August 2019
Southeastern Undergraduate Mathematics Workshop <i>Georgia Institute of Technology</i>	August 2019
Park City Math Institute	Julyw 2019
Summer@ICERM REU Institute for Computational and Experimental Mathematics	2018

TEACHING

Teaching Assistant, Rice University Mathematical Writing, Fall 2024, 2025 Intro to Low-Dimensional Topology, Spring 2025 Linear Algebra, Fall 2022, Spring 2023, Spring 2024 Calculus sequence, Fall 2021, Spring 2022	2021 -
Instructor of Record, Rice University Calculus II, Summer & Fall 2023	2023
Teaching Assistant, Bryn Mawr College Intro to Topology (Knot Theory), Spring 2020 Linear Algebra, Spring 2018, 2019 Real Analysis I, Fall 2018 Multivariable Calculus, Fall 2017	2017-20
Writing Tutor, Bryn Mawr College Writing Center <i>Leadership team and administrative assistant, 2019-20</i>	2017-20

SERVICE

Spectra Board Member, Rice University	2025 -
Senior Grad Liaison, Rice Math Department	2025 -
Math GSA Representative, Rice University	2023-24
Math Major Representative, Bryn Mawr College	2019-20
Distressing Math Collective Coordinator, Bryn Mawr College	2019