

Yiyu Wang

418 Van Vleck Hall – Madison, WI

☎ +1 (608) 421-4880 • ✉ yiyu.wang@wisc.edu

Education

University of Wisconsin - Madison

Ph.D. in Mathematics

Advisor: Botong Wang

Madison, WI

2020–present

University of Science and Technology of China

Bachelor of Science

Hefei, Anhui

2016–2020

Publications and Preprints

2022: *Ramified cover of varieties with nef cotangent bundle*. *Comptes Rendus. Mathématique*, Volume 360 (2022), pp. 929-932.

2023: *A vanishing theorem for varieties with finitely many solvable group orbits*. *Bull. London Math. Soc.*, 56: 1643-1657.

2024: *Microlocal multiplicity of matroid Schubert varieties*. Preprint.

Conferences Attended

August 5-9, 2024: Characteristic classes of singular spaces, Zhejiang University.

July 8-12, 2024: Suzhou workshop on matroid theory, Soochow University.

March 18-19, 2023: AMS Special Session on Singer-Hopf Conjecture in Geometry and Topology, Georgia Institute of Technology.

Nov 4, 2022: Matroids Day, University of Wisconsin - Madison.

Talks Delivered

2024: Characteristic classes of singular spaces, Zhejiang University

Local Euler obstruction numbers of matroid Schubert varieties

2023: AMS Special Session on Singer-Hopf Conjecture in Geometry and Topology, Georgia Institute of Technology

Singer-Hopf conjecture and the nefness of cotangent bundle

2023: Graduate Algebraic Geometry Seminar, UW-Madison

An Introduction to Macpherson's Chern classes

2022: Graduate Algebraic Geometry Seminar, UW-Madison

The Cox Ring of Toric Varieties

Awards

2019: Yuanqing Fellowship

University of Science and Technology of China

Teaching

2024 Fall, TA: Math 375 (Topics in Multi-Variable Calculus and Linear Algebra)

2024 Spring, TA: Math 320 (Linear Algebra and Differential Equations)

2023 Fall, Lecturer: Math 112 (Algebra)

2023 Spring, TA: Math 320 (Linear Algebra and Differential Equations)

2022 Fall, TA: Math 222 (Calculus II)

2022 Summer, TA: Math 319 (Techniques in Ordinary Differential Equations)

2022 Spring, TA: Math 320 (Linear Algebra and Differential Equations)

2021 Fall, TA: Math 234 (Calculus III)

2021 Spring, TA: Math 211 (Calculus)

2020 Fall, TA: Math 234 (Calculus III)

Skills

Languages: Mandarin Chinese (Native), English (Fluent)

Programming: C++, Python