

RUOXI LI

Thackeray Hall, Pittsburgh, PA

✉ rul44@pitt.edu

Education

University of Pittsburgh

Doctor of Philosophy in Mathematics

2019-2025 (Expected)

Pittsburgh, PA, United States

University of Illinois Urbana-Champaign

Master of Science in Mathematics

2016-2018

Champaign, IL, United States

Nankai University

Bachelor of Science in Mathematics and Applied Mathematics

2012-2016

Tianjin, China

Research Interests

- Motivic classes of moduli stacks
- Serre polynomials of character varieties
- Motives of the moduli space of Higgs bundles on a curve

Talks & Presentations

Algebraic Groups and the Geometric Langlands Program Seminar

Motivic classes of stacks in finite characteristic and applications to stacks of Higgs bundles

September 24th, 2024

Pittsburgh, PA

Richmond Geometry Meeting (Poster)

Motivic classes of stacks in finite characteristic and applications to stacks of bundles with connections

August 12-14th, 2024

Richmond, VA

Online Seminar by students

Moduli of Vector Bundles

July-November, 2020

Teaching Experiences

University of Pittsburgh

Lecturer, Differential Equations (MATH 0290)

2019-present

SU 2024

Teaching Assistant, Business Calculus (MATH 0120)

FA 2020, 2021

Teaching Assistant, Analytic Geometry & Calculus 1 (MATH 0220)

SP 2021, 2022, 2024

Teaching Assistant, Analytic Geometry & Calculus 2 (MATH 0230)

SP 2021, SU 2021, FA 2021, 2022

Teaching Assistant, Intro Theoretical Mathematics (MATH 0413)

SU 2021

Teaching Assistant, Intro Theory 1-Variable Calculus (MATH 0420)

SP 2023

Teaching Assistant, Intro Abstract Algebraic Systems (MATH 0430)

SP 2023, 2024

Grader, Finite Mathematics (MATH 0400)

SP 2021

Grader, Differential Equations (MATH 0290)

FA 2024

Grader, Applied Elementary Number Theory (MATH 1020)

FA 2022, 2023

Grader, Combinatorial Mathematics (MATH 1050)

FA 2022, 2023

Grader, Partial Differential Equations 1 (MATH 1470)

FA 2021

Academic Services

Referee, *Pittsburgh Interdisciplinary Mathematics Review*

2024-present

Honors & Awards

Arts & Sciences Graduate Fellowship, *University of Pittsburgh*

2019

Freshman's Second Prize Scholarship, *Nankai University*

2012

Workshops & Conferences

WARTHOG workshop, *Eugene, OR, United States*

July 10-14th, 2023

Categorical methods in moduli theory, *Philadelphia, PA, United States*

April 7-9th, 2023

Workshop on Moduli, motives, and bundles, *online*

September 19-23rd, 2022

Derived FRG, *Ann Arbor, MI, United States*

July 30-August 5th, 2022

GAeL XXVIII, *online*

July 5-9th, 2021

Special Month on Singularities and K-Stability, *online*

May 17-June 11th, 2021

Overview of Springer theory, *online*

June 8-12th, 2020

Workshop on Lie Theory and Integrable Systems, *online*

June 5-7th, 2020

Warwick virtual M2 Workshop, *online*

June 1-5th, 2020

Geometry and Dynamics of Foliations, *online*

May 25-28th, 2020