

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

Honors & Awards

Arts & Sciences Graduate Fellowship, University of Pittsburgh

2019

Freshman's Second Prize Scholarship, Nankai University

2012

Presentations

Riemann-Roch for Riemann Surfaces and Number Fields

April 30th, 2021

Algebraic Number Theory (MATH 2245)

Moduli of Vector Bundles

July-November, 2020

Online Seminar by students

Algebraic groups

Jan 22nd, 2020

Lie groups and Lie algebras (MATH 3550)

Teaching Experiences

University of Pittsburgh

2019-present

Lecturer, Business Calculus (MATH 0120)

Teaching Assistant, Business Calculus (MATH 0120)

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

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

Teaching Assistant, Intro Theoretical Mathematics (MATH 0413)

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

Teaching Assistant, Intro Abstract Algebraic Systems (MATH 0430)

Grader, Finite Mathematics (MATH 0400)

Grader, Applied Elementary Number Theory (MATH 1020)

Grader, Combinatorial Mathematics (MATH 1050)

Grader, Partial Differential Equations 1 (MATH 1470)

Academic Services

Referee, *Pittsburgh Interdisciplinary Mathematics Review*

2024-present

Workshops and 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