

RUOXI LI

Thackeray Hall, Pittsburgh, PA

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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

MATH 2245 Algebraic Number Theory

April 30th, 2021

Moduli of Vector Bundles

Online Seminar by students

July-November, 2020

Algebraic groups

MATH 3550 Lie groups and Lie algebras

Jan 22nd, 2020

Teaching Experiences

Teaching Assistant, *Intro Abstract Algebraic Systems, University of Pittsburgh*

2023-2024

Teaching Assistant, *Analytic Geometry & Calculus 1, University of Pittsburgh*

2021-2024

Teaching Assistant, *Intro Theory 1-Variable Calculus, University of Pittsburgh*

2023

Teaching Assistant, *Analytic Geometry & Calculus 2, University of Pittsburgh*

2021-2022

Teaching Assistant, *Business Calculus, University of Pittsburgh*

2020-2021

Teaching Assistant, *Intro Theoretical Mathematics, University of Pittsburgh*

2021

Grader, *Applied Elementary Number Theory, University of Pittsburgh*

2022-2023

Grader, *Combinatorial Mathematics, University of Pittsburgh*

2022-2023

Grader, *Finite Mathematics, University of Pittsburgh*

2021

Grader, *Partial Differential Equations 1, University of Pittsburgh*

2021

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