Ruipeng Zou

(603)-285-1742
Zou159@purdue.edu

Education:

- **Purdue University, Mathematics, Ph.D. (2022-)**
  Research Area: Algebraic Number Theory, Arithmetic Geometry
- **Stony Brook University, Mathematics, B.S. (2018-2022)**
- **Stony Brook University, Applied Mathematics, B.S. (2018-2022)**

Presentations:

1. Ruipeng Zou, Agrinsoni-Santiago, *"Théorème de Lefschetz et critères de dégénérescence de suites spectrales"* by Pierre Deligne (Classical Papers/Preprint Seminar, Purdue University)
2. Ruipeng Zou, "*Introduction to Galois Theory*", (Student Seminar, Stony Brook University)
3. Ruipeng Zou, "*Basic theorems in Etale cohomology*", (Learning Seminar on Weil Conjecture I, Purdue University)
4. Ruipeng Zou, "*Kähler Analogues of the Weil Conjectures*", (Learning Seminar on Weil Conjecture I, Purdue University)
5. Ruipeng Zou, "*Derived category and t-structure*", (Learning Seminar on F-gauge, Purdue University)
6. Ruipeng Zou, "*Prismatic Gauges as filtered objects and Local Structures*" (IU-Purdue Arithmetic Geometry Learning Seminar)

Conference:

1. Summer school on Galois representations and Reciprocity (2024, VIASM)
2. RTG Arithmetic Statistics (2025, OSU)
3. Condensed Math Seminar (2025, Purdue-Indy)
4. IU-Purdue Joint Workshop on Prismatic F-gauges (2026, Purdue-Indy)

Awards and honors

1. Summer Math Foundation Scholarship (REU in 2021)
2. Outstanding Academic Achievement Award (2019)

Mentoring:

1. Mukul Agarwal (DRP program)