

## ZHIQI ZHU

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### Current (Research) Interests (Supervised by Shanwen Wang)

- Representation Theory and Number Theory, in particular automorphic forms,
- Algebraic Geometry, including Complex Geometry and Arithmetic Geometry,
- Harmonic Analysis.

### Education

- Undergraduate, Mathematics 2022.9 - Present  
[The Experimental Class for Top Talents Program](#), Renmin Univ. of China
- Enhanced program for Graduate Study (visiting research student), [BIMCR](#),  
2023.2 - 2023.7

### Scientific Research Foundation

- [Modular Forms, Geometric Modular Forms and Automorphic Forms](#)  
2022.4 - 2023.4  
Bichang Lei, Mucheng Dong, Yu Yao, [Zhiqi Zhu](#),

### Attended Mini Courses/Seminars

- Algebraic Geometry and Elliptic Curves, 2022.9 - Present
- [Core topics in modern number theory](#), [YMSC](#), 2022.12 - 2023.6
- [Hida's theory on p-adic modular forms](#), [BICMR](#), 2023.2 – 2023.3
- [2022 Summer School on Differential Geometry](#), [BIMCR](#), 2022.8
- [Harmonic Analysis on Manifolds](#), Tianyuan Mathematical Center in Southeast China,
- [Several Complex Variables and Complex Geometry](#), Tianyuan Mathematical Center  
in Southeast China
- [Algebraic number theory](#), summer school, Nanjing University, 2022.7
- [Deformation theory of complex manifolds via DGLA](#), [BIMSA](#). 2022 Spring

### Talks/Seminars Organized

- Algebraic Geometry and Elliptic Curves, 2022.9 - Present

- Category Theory and Homological Algebra, 2023.3 - Present
- Lie groups and the representation theory, 2022 Spring
- Differential manifolds, differential topology, 2021 Winter
- Topology. 2021 Spring

### Languages

- Chinese Native
- English Working Proficiency
- Latex Working Proficiency
- French Learning

J'ai lu quelques papiers de maths en français.

### Extra Graduate Courses have taken

- Homology Theory (Taking in BICMR), 2023 Spring
- Representation Theory (Taking in BICMR), 2023 Spring
- Modular Forms and Number Theory (Taking in PKU), 2023 Spring
- Number Theory: Perfectoid Fields (Taking in PKU), 2023 Spring
- Homology Theory and Characteristic Classes (Auditing in PKU), 2023 Spring
- Number Theory II (Auditing in PKU), 2023 Spring
- Commutative Algebra, Homological Algebra, 2023 Spring
- Riemannian Geometry, 2022 Summer, 2023 Spring
- Complex Geometry, 2022 Summer
- Representation Theory of Groups, 2022 Spring
- Riemann Surfaces, (Audited) 2022 Spring
- Harmonic Analysis. 2022 Spring

### Interests and Specialists

- Piano and classical music,
- Swimming (university team), badminton (school of mathematics team), football (school of mathematics team, coach).