

Runze Wang

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Education

Ph.D. Zhejiang University 2021-(2026)
Advisor: Prof. Fan Gao
Thesis: L-parameters for genuine principal series representations

B.S. Zhejiang University 2017-2021

Languages

Conversant in Chinese. Fluent in English.

Research

Preprints and Publications

1. The stable wave front set of theta representations
with Edmund Karasiewicz and Emile Okada, (arXiv:2411.02073)
2. Hecke algebras for tame genuine principal series and local Shimura correspondence
to appear in Trans. Amer. Math. Soc., (arXiv:2405.06254)
3. Formal degrees of genuine Iwahori-spherical representations
with Ping Dong and Fan Gao, Q. J. Math. 74 (2023), no.4, 1597-1618. (arXiv:2304.06595)

In Preparation

1. On the stable wavefront sets of genuine Iwahori-spherical representations
with Fan Gao
2. Stable wavefront sets for GL-covers of Kazhdan–Patterson or Savin types
with Fan Gao and Jiandi Zou
3. On the restriction problems of genuine Iwahori-spherical representations

PhD thesis

L-parameters for genuine principal series representations

Awards

China National Scholarship, ZJU, 2025
Lingjun Leading Scholarship, ZJU, 2022-2023

Teaching

Representation theory of groups and algebras (Teaching Assistant)	2024 Fall	ZJU
Algebra II (Teaching Assistant)	2023 Spring	ZJU

Conferences

Recent Progress on Representation Theory of Reductive Groups and Quantum Theory	2025.7	Tianjin, China
Conference on Solvable Lattice Models, Number Theory and Combinatorics	2024.6	Dublin, Ireland
National Conference on Algebra	2023.11	Quanzhou, China
Workshop on L-functions and Related Topics	2022.8	Zhangzhou, China

Talks

1. "Type theory for genuine principal series representations"
Joint FDU-NUS-ZJU PhD Forum in Mathematics, National University of Singapore 2025.6 Singapore
2. "Local Langlands correspondence for genuine principal series representations"
The 3rd Conference on Frontiers in Mathematics for PhD Students, Peking University 2025.11 Beijing, China