Yu Xin

Contact Information	Department of Mathematics Bar-Ilan University Ramat-Gan, 5290002, Israel	yu.xin@biu.ac.il

Employment

Bar-Ilan University, Oct. 2023 – current

Postdoctoral Researcher, Mathematics

Education

Brandeis University, Sep. 2017 – Aug. 2023

Ph.D., Mathematics, Aug. 2023
- Dissertation Topic: On the Sp_{2n}-Distinguished Spectrum of U_{2n}
- Advisor: Omer Offen

Brandeis University, Sep. 2015 – May 2017

Master of Art, Mathematics, May 2017

Tongji University, 2010-2015

Bachelor of Science, Mathematics and Applied Mathematics, July 2015
- Thesis Topic: Some Relations of Multiple Zeta Values and Their Applications
- Advisor: Zhonghua Li

Research Interests

Number Theory, Automorphic Representation, Representation Theory, Integral representations

Papers

On the Rankin-Selberg gamma factor of simple supercuspidal representations of the even unitary group for p-adic local fields, submitted, arXiv:2410.11995

On the Sp_{2n}-distinguished spectrum of U_{2n}, submitted, arXiv:2412.05518

Honors and Awards

Harold I Levine Endowed Fellowship Prize, 2022
Summer research funding, 2021

Talks

On the Casselman-Shalika Formula, Ph.D. qualification major exam (advisor: Omer Offen), Brandeis University, Oct. 2021

The Root Datum of a Reductive Group, Ph.D. qualification minor exam (advisor: Jöel Bellaïche), Brandeis University, May 2021

An Introduction to the Langlands Program, Graduate Student Seminar, Brandeis University, November 2021

Conference Participation

Winter STAR 2024 workshop, Weizmann Institute of Science, Rehovot, Israel, Dec 24-26, 2024

The 25th Autumn Workshop on Number Theory (Representation theory of p-adic groups and related topics), Hokkaido University, Sapporo, Japan, Oct 28 - Nov 1, 2024

Modular Forms, L-functions and Eigenvarieties (A conference in memoriam of Joël Bellaïche), École Normale Supérieure, Paris, France, June 18-21, 2024

TEACHING EXPERIENCE	Fall 2017	Teaching Assistant, Introduction to Combinatorics
	Spring 2018	Teaching Assistant, Mathematical Statistics
	Spring 2019	Instructor, Techniques of Calculus (a)
	Summer 2019	Instructor, Techniques of Calculus (b)
	Fall 2019	Instructor, Techniques of Calculus (a)
	Spring 2020	Instructor, Techniques of Calculus (a)
	Fall 2020	Teaching Assistant, Real Analysis
	Spring 2021	Teaching Assistant, Complex Analysis
	Fall 2021	Teaching Assistant, Introduction to Combinatorics
	Spring 2022	Teaching Assistant, Topology II
	Fall 2022	Instructor, Applied Linear Algebra
	Spring 2023	Instructor, Applied Linear Algebra

OTHER EXPERIENCE

Evening Help on Calculus, Fall 2017 & Spring 2018
Instructor of Brandeis Graduate Students Prep Camp, Algebra, 2021 & 2022

MISCELLANIES

Language Proficiency: Chinese(native), English(fluent), Japanese(fluent)