

Zhixiang Wu

Curriculum Vitae

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📁 wzxmath.github.io

Research Interests

- algebraic number theory
- representation theory of p -adic Lie groups
- p -adic automorphic forms and eigenvarieties
- p -adic and mod- p Langlands programs

Education

- 2019–now **Phd student in mathematics**, Thesis advisor: Benjamin Schraen, Université Paris-Saclay, Orsay.
- 2018–2019 **Master(M2) in Arithmétique, Analyse, Géométrie**, Université Paris-Sud, Orsay.
- 2014–2018 **Bachelor of Science in Pure and Applied Mathematics**, Tsinghua University, Beijing.

Papers

Publications

1. A note on presentations of supersingular representations of $GL_2(F)$. *manuscripta math.* 165, 583-596 (2021).

Preprints

2. Local models for the trianguline variety and partially classical families. (2021)
3. Companion points on the eigenvariety with non-regular weights. (2021)

Talks

- 01/06/2021 Séminaire Arithmétique et Géométrie Algébrique, Orsay
- 29/05/2021 Séminaire MathJeunes, online.
- 19/04/2021 UCLA Number Theory Seminar, online.
- 13/04/2021 University of Münster, online.
- 07/04/2021 POINTS - Peking Online International Number Theory Seminar, online.
- 23/11/2020 Paris-London Number Theory Seminar, online.
- 30/11/2019 Séminaire MathJeunes, Jussieu, Paris.

Teaching

- Aut. 2021 TD of Math 1: Calculus, Université Paris-Saclay, Orsay

Experience

- Spr. 2019 **Master thesis**, Université Paris-Sud, Orsay.
Master thesis advisor: Benjamin Schraen
Title: Mod- p representations of p -adic Lie groups

- Spr. 2018 Exchange program of Ecole Normale Supérieure, Ecole Normale Supérieure, Paris.
Undergraduate thesis supervisor: Jean-François Dat
- 2018-2019 Master scholarship of The Mathematics Foundation Jacques Hadamard (FMJH)
- 08/2017 S.T.Yau college student mathematics contests, Silver Prize in Algebra and Number Theory.
- 2015-2018 Tsinghua Xue Tang Ban Program in Mathematics.

Skills & Languages

Skills C/C++, Matlab, Mathematica, SageMath, Macaulay2, \LaTeX

Languages Chinese, English, French(basic)