

Zhixiang Wu

Curriculum Vitae

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📄 wzxmath.github.io

Education

- 2019–2022 **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.

Positions

- 2022–now **Postdoc**, Mentor: Eugen Hellmann, Westfälische Wilhelms-Universität Münster, Münster.

Papers

Publications

1. A note on presentations of supersingular representations of $GL_2(F)$. *manuscripta math.* 165, 583-596 (2021).
2. Companion points on the eigenvariety with non-regular weights. *International Mathematics Research Notices*, 2022.

Preprints

3. Local models for the trianguline variety and partially classical families. (2021). accepted in *Annales scientifiques de l'École normale supérieure*.

Talks

- 15/02/2022 Algebra Number theory seminar at University of Arizona, online
- 14/12/2021 Journées Arithmétique du LAGA, Villeteuse
- 01/06/2021 Séminaire Arithmétique et Géométrie Algébrique, Orsay
- 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

Services

- Reviewer zbMATH, MathSciNet
- Referee *manuscripta mathematica*, *Peking Mathematical Journal*

2020-2022 Co-organizer of Mathjeunes seminar

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)