

Pengcheng Zhang

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Germany

EDUCATION

Max Planck Institute for Mathematics

Doctoral student, supervised by Don Zagier

Bonn, Germany

Jan 2022–present

St John's College, University of Oxford

Master of Mathematics in Mathematics

Oxford, UK

Oct 2017–Jun 2021

RESEARCH VISIT

The University of Hong Kong

Visiting student, hosted by Ben Kane

Hong Kong, China

Feb 19–23, 2024

SUSTech International Center for Mathematics

Visiting student, hosted by Don Zagier

Shenzhen, China

Nov 22–Dec 17, 2021

PUBLICATIONS

- [1] B. Bedert, G. Cooper, T. Oliver, and P. Zhang, “Twisting moduli for $GL(2)$ ”, *J. Number Theory*, vol. 217, pp. 142–162, 2020, ISSN: 0022-314X,1096-1658.

RESEARCH TALKS

- *Converse theorems for Hilbert modular forms* on the 36th Automorphic Forms Workshop at Oklahoma State University May 23, 2024
- *A converse theorem for Hilbert modular forms* on Oberseminar Analytic Number Theory and Automorphic Forms at University of Bonn Nov 9, 2023
- *Converse theorems for automorphic forms* on St John's College Mathematics Seminar at St John's College, University of Oxford (with Benjamin Bedert) Mar 5, 2020

OTHER TALKS

- Several talks on Exponential Sum Learning Seminar at Max Planck Institute for Mathematics Nov 17, Dec 15, 2023, and Jan 12, 2024
- *L-functions and/in Selberg Class* on IMPRS Seminar at Max Planck Institute for Mathematics Jan 24, 2023

CONFERENCES, WORKSHOPS, RESEARCH SCHOOLS ATTENDED

- **The 36th Automorphic Forms Workshop** at Oklahoma State University May 20–24, 2024
- **Shanks Conferences on L -functions and Automorphic Forms** at Vanderbilt University May 13–16, 2024
- **Periods in Physics, Number Theory and Algebraic Geometry** at Hausdorff Research Institute for Mathematics April 22–26, 2024
- **International Conference on Modular Forms and q -Series** at University of Cologne March 11–15, 2024

- **Modular Curves and their Arithmetic** at University of Warwick Dec 6–8, 2023
- **MM(P): Mahler Measures of Polynomials** at Radboud University Nijmegen Oct 24–27, 2023
- **Modular Forms and Arithmetic Geometry** at TU Darmstadt Sep 18–22, 2023
- **Young Number Theorists in Bonn** at Max Planck Institute for Mathematics Sep 11–15, 2023
- **Arithmetic of automorphic forms** at Laboratoire de Mathématiques d'Orsay Sep 4–8, 2023
- **Early Number Theory Researchers Workshop** at University of Bielefeld Aug 23–25, 2023
- **Summer School on the Arithmetic of the Langlands Program** at University of Bonn May 8–12, 2023
- **Arithmetic Statistics, Automorphic Forms, and Ergodic Methods** at Max Planck Institute for Mathematics Apr 24–28, 2023
- **Special values of L -functions** at Paderborn University Mar 13–17, 2023
- **Conference on Motives and Automorphic Forms** at Max Planck Institute for Mathematics Mar 6–10, 2023
- **Number theory meets p -adic representations** at University of Münster Feb 13–17, 2023
- **Luxembourg Number Theory Day 2022** at University of Luxembourg Dec 16, 2022
- **Early Number Theory Researchers Workshop** at TU Darmstadt Oct 26–28, 2022

OTHER EXPERIENCES

- Senior Counselor at Ross Mathematics Program (Ross/Asia) in Huangshan, China Jul 9– Aug 10, 2018
- Junior Counselor at Ross Mathematics Program (Ross/Asia) in Huangshan, China Jul 10– Aug 11, 2017

LANGUAGES

Chinese (native), English (professional), German (elementary), Japanese (elementary)