Pengcheng Zhang

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Education

Max Planck Institute for Mathematics — Bonn, Germany
Doctoral Student in Mathematics — 01.2022–present

International Center for Mathematics, SUSTech — Shenzhen, China
Visiting Student in Mathematics — 11.2021–12.2021

St John's College, University of Oxford — Oxford, UK
MMath in Mathematics, Distinction — 10.2017–06.2021

Publications

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

Research Experiences

The Theory and Computation of Coleman Integration at University of Oxford — Oxford, UK
supervised by Alan Lauder — 12.2020–04.2021

C^*-algebras Arising from Integral Dynamics at University of Oxford — Oxford, UK
supervised by Stuart White and Samuel Evington — 07.2020–09.2020

Converse Theorems for Automorphic Forms at University of Oxford — Oxford, UK
supervised by Thomas Oliver — 08.2019–10.2019

Talks and Presentations

C^*-algebras Arising from Subsemigroups of $\mathbb{Z}^+$ — 09.2020
Presented to Oxford Functional Analysis Research Group

Converse Theorems for Automorphic Forms — 03.2020
Presented on St John's College Mathematics Seminar (with Benjamin Bedert)

Other Experiences

Ross Mathematics Program (Ross/Asia) — Huangshan, China
Senior Counselor — 07.2018–08.2018

Ross Mathematics Program (Ross/Asia) — Huangshan, China
Junior Counselor — 07.2017–08.2017

Scholarships and Awards

- **Casperd Scholarship** at St John's College, Oxford — 2018–2021