Harry SPENCER

CONTACT

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EDUCATION

2022—2026 **PhD**, UNIVERSITY COLLEGE, LONDON SCHOOL OF GEOMETRY AND NUMBER THEORY
Joint PhD programme between Imperial, King's, and University Colleges, London.
Supervisors: Vladimir DOKCHITSER (primary), David BURNS (secondary).

2018—2022 **BA**; **MMath**, CHURCHILL COLLEGE, UNIVERSITY OF CAMBRIDGE
Part III Essay: "Deforming Galois Representations" | Advisor: Jack THORNE

PRE-PRINTS & PUBLICATIONS

WILD CONDUCTOR EXPONENTS OF CURVES
Pre-print (arXiv:[2409.12688](https://arxiv.org/abs/2409.12688)), February 2025

CONSTRUCTING FAMILIES OF 3-SELMER COMPANIONS
Pre-print (arXiv:[2502.01351](https://arxiv.org/abs/2502.01351)), February 2025

EVIDENCE FOR AND AGAINST ZAUNER'S MUB CONJECTURE IN $\mathbb{C}^6$
with Gary McConnell and Afaq Tahir, Quantum Inf. Comput. 21 (2021): 721-736.

TEACHING

2023—2025 | Teaching Assistant, UCL Department of Mathematics
Tutorials, marking coursework and exams, supervising undergraduate projects.

ORGANISATION

2023—2024 | Co-organiser, London Junior Number Theory Seminar
Organising weekly talks aimed at PhD students in number theory.

2022—2023 | Chair, LSGNT Student-Staff Liaison Committee
Organising and chairing meetings with senior members of staff at the LSGNT; representing the views of the student body.

INVITED TALKS

OCT. 2024 WILD CONDUCTOR EXPONENTS OF CURVES
Heilbronn Number Theory Seminar, University of Bristol.