Harry SPENCER

CONTACT

EMAIL: harry.spencer.22@ucl.ac.uk
URL: hspen99.github.io

EDUCATION

2022–2026 **PhD**, University College, London School of Geometry and Number Theory
Joint PhD programme between Imperial, King's, and University Colleges, London.
Supervisor: Vladimir DOKCHITSER

2018–2022 **BA, MA; 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, February 2025 (arXiv:2409.12688)

CONSTRUCTING FAMILIES OF 3-SELMER COMPANIONS
Accepted, to appear in *Res. Number Theory* (arXiv:2502.01351)

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 staff at the LSGNT; representing student views.

INVITED TALKS

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

Feb. 2025 CURVES, REPRESENTATION THEORY AND CONDUCTORS
Junior Number Theory Seminar, University of Warwick