

Harry SPENCER

CONTACT

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EDUCATION

- 2022— **PhD**, University College, London School of Geometry and Number Theory
Expected to finish by autumn 2026.
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
Submitted, February 2025 ([pdf](#))

CONSTRUCTING FAMILIES OF 3-SELMER COMPANIONS
Res. Number Theory **11**, art. 67 (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— 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

- Feb. 2025 CURVES, REPRESENTATION THEORY AND CONDUCTORS
Junior Number Theory Seminar, University of Warwick
- Oct. 2024 WILD CONDUCTOR EXPONENTS OF CURVES
Heilbronn Number Theory Seminar, University of Bristol