

Andrew Slattery

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🔄 AndrewSlattery

🌐 <https://andrewslattery.github.io/>

Education

Oct 2020 –

University of Leeds

PhD in Category Theory

- Funding provided by EPSRC Scholarship
- Supervisors: Dr Nicola Gambino, Dr Andrew Brooke-Taylor
- Thesis Title: Pseudocommutativity of Relative Pseudomonads

Oct 2019 – Jun 2020

University of Cambridge

Masters of Mathematics (Part III) – Pass

Oct 2016 – Jun 2019

University of Cambridge

Bachelor of Arts in Mathematics – First

Research interests

Category theory, two-dimensional category theory, categorical logic, monad theory, multicategories, homotopy type theory

Publications and Pre-prints

2023

- I. **Slattery, A.** Pseudocommutativity and lax idempotency for relative pseudomonads [to appear]. *Theory and Applications of Categories* (2023).

Conference Talks

2023

Category Theory 2023, Louvain-la-Neuve

Pseudocommutativity and lax idempotency for relative pseudomonads (poster)

107th Peripatetic Seminar on Sheaves and Logic, Athens

Pseudocommutativity for relative pseudomonads

Seminar Talks

2022

Yorkshire and Midlands Category Theory Seminar 27, Leeds

Property-like structures and relative pseudomonads

2021

‘Proofs, Constructions, Computations and Categories’ seminar, Leeds

The 2-category of algebras over a relative 2-monad

Postgraduate Logic Seminar, Leeds

Well-quasiorders and Kruskal’s Tree Theorem

Professional Experience

Oct 2021 –

University of Leeds

Teaching Assistant

- MATH1055 Numbers and Vectors, tutorials (20 students, 2021)
- MATH1050 Calculus and Math Analysis, tutorials (20 students, 2021)
- MATH1026 Sets, Sequences and Series, tutorials (10 students, 2022)
- MATH1060 Introductory Linear Algebra, tutorials (10 students, 2022)
- MATH1025 Number Systems, tutorials (10 students, 2023)

Co-organiser

- Yorkshire and Midlands Category Theory Seminar (2022)
- ‘Proofs, Constructions, Computations and Categories’ seminar (2021 – 2022)

Scholarships and Awards

Oct 2020 – Apr 2024 | EPSRC PhD Scholarship

2019 | Harry Patten Prize for Best Result in Part II Mathematics at Clare

2017 | Amiya Batterji Prize for Best Result in Part I Mathematics at Clare