

MY RESEARCH (IN 50 WORDS OR LESS)

The symmetries of groups and graphs are well understood so in this project we investigate the symmetries of a less well know class of objects, partial groups. Partial groups are sets with an idea of identity and inverse but a product that is weaker than the product that a group has.

KEY THEMES/ TOPICS/ SKILLS

Formal
language
theory

Group
theory

Representation
theory

Graph
theory

Fusion
systems

Partial
groups



THE BEST PARTS

- The feeling when everything works, and you manage produce some mathematics that no one has done before.
- The opportunity to go to conferences and seminars and hear so many people speak about research mathematics.
- Not having to get a real job for another three and a half years!

THE WORST PARTS

- Spending several weeks on the same problem and making little progress.
- There can be issues with HR as we are both staff and students.
- Watching all my peers from undergrad who got real jobs make money.

Automorphisms of Partial Groups

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AN IMAGE TO REPRESENT MY RESEARCH

