

## MY RESEARCH (IN 50 WORDS OR LESS)

I work with graphs and different ways of analysing their structure and decomposing them. Sometimes this structure relates to embeddability (whether they can be injectively 'drawn' on a surface). Other times it is about connectivity (how robust a graph is to removing vertices). Usually, it's a combination.

## KEY THEMES/ TOPICS/ SKILLS

Graphs

Weird kinds of  
vector spaces

More graphs

Topology

Matroids

Graphs of  
graphs



# Local separators of Cayley graphs

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initiative



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## THE BEST PART

Coming up with cool ideas and objects and getting to give them weird names.

The atmosphere is very friendly.

Getting to be part of inventing new and exciting maths.

## THE WORST PART

It's very fast-paced and often stressful because of this.

It's easy to accidentally take on too much work and become overwhelmed.

## AN IMAGE TO REPRESENT MY RESEARCH

