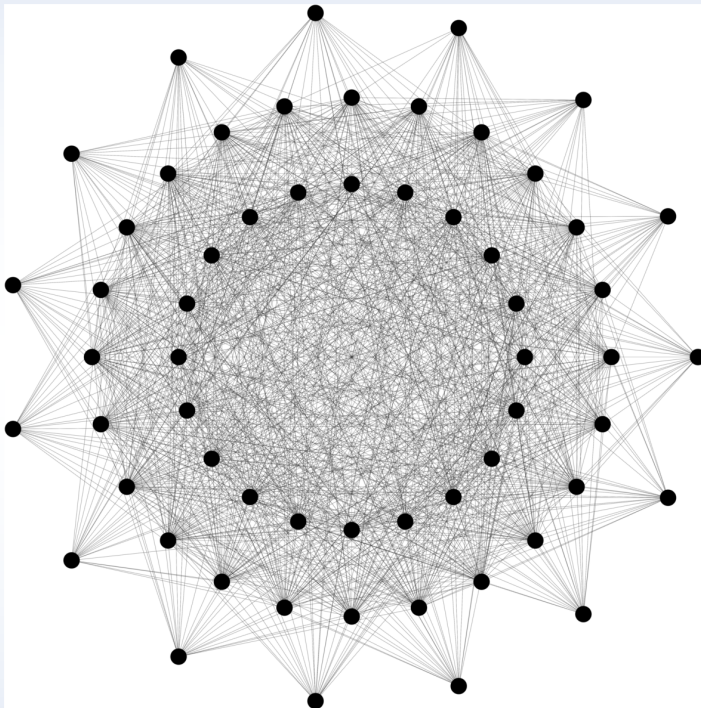


LTCC Online Intensive Course

For Researchers in the Mathematical Sciences

“Graphs defined on groups”

By Peter Cameron, University of St Andrews



The generating graph of the alternating group A_5

Image credit: Scott Harper, Bristol

The commuting graph, generating graph, power graph, and other graphs defined on a group carry important information about the group, as well as being useful for various applications. Moreover, they form a hierarchy, and studying them together can reveal many important connections.

Along the way, participants will meet many important properties of graphs (such as perfect graphs) and groups (such as finite simple groups), and see how information about graphs can throw light on groups. The subject includes many open problems, and the audience are encouraged to think about some of these.

Dates:

Tue 8 Jun (1pm to 5pm)
Wed 9 Jun (9am to 1pm)

For more information visit www.ltcc.ac.uk/intensives. For free registration, please email office@ltcc.ac.uk. Zoom details will be shared with participants by email.

The LTCC is run by a consortium of universities in London and beyond. It offers a programme of high-level courses in mathematics and statistics for PhD research students in the consortium, as well as free, short intensive courses open more widely to students, postdocs and faculty worldwide.

www.ltcc.ac.uk