



The Department of Mathematics
Presents

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Monday, March 7, 2016

11:00AM – 12:00PM

PB 192

The relational complexity of finite permutation groups

Abstract:

This talk will introduce a relatively new invariant of finite permutation groups known as the relational complexity. Relational complexity originated in an area of mathematical logic known as model theory where it was a crucial ingredient of a very general classification theory for finite homogeneous relational structures. However, not much is known about it for specific examples. The goals of the talk are to present a variety of open problems about relational complexity (many of which are accessible to undergraduate and Master's students) and to discuss recent results about groups of relational complexity 2.