



杰曼诺夫数学中心
SUSTech International Center for Mathematics

代数与离散数学论坛

Prime graphs and actions of primitive groups



Melissa Lee is a postdoctoral fellow at the University of Auckland. Her research interests include group actions, in particular bases of permutation groups, as well as problems in the representation theory of groups of Lie type.

SPEAKER

ABSTRACT:

I will be discussing a number of problems related to properties of finite groups that have piqued my interest over the past couple of years. Many involve *bases* of permutation groups $G \leq \text{Sym}(\Omega)$, which are subsets $B \subseteq \Omega$ with trivial pointwise stabiliser. There will also be a few open problems along the way.



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