Institut für Diskrete Mathematik

Combinatorics Seminar

Friday 17th September 14:15

Online meeting (Webex)

Finding and using large subexpanders

Hong Liu

(University of Warwick)

We will discuss some recent work which utilises large expander subgraphs and some natural conditions that ensure the existence of such subgraphs. In particular, we shall introduce a notion of crux, which lower bounds the size of an expander subgraph in any given graph. We then show its connection with well-mixing vertices and embedding sparse graphs.

Meeting link:

https://tugraz.webex.com/tugraz/j.php?MTID=ma70275cd258e7748417214793956c7bf

Meeting number: 188 980 7021

Password: ahMZ84fJYQ2

Joshua Erde, Mihyun Kang