Institut für Diskrete Mathematik

Combinatorics Seminar

Friday 26th May 12:30

Online meeting (Webex)

Colouring hypergraphs with bounded codegree

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(Birmingham University)

A hypergraph is *linear* if every pair of the vertices is contained in at most one edge. In 1972, Erdős, Faber, and Lovász conjectured that every linear hypergraph on n vertices with maximum degree at most n has chromatic index at most n.

In this talk, we discuss a proof of the conjecture for all large n and some generalisations. This is joint work with Deryk Osthus, Daniela Kühn, Abhishek Methuku, and Tom Kelly.

Meeting link:

https://tugraz.webex.com/tugraz/j.php?MTID=m3162bb7e6bef850e659f657a18095a1c

Meeting number: 2733 453 3442

Password: bSDVGJDp976

Joshua Erde, Mihyun Kang