

Institut für Diskrete Mathematik

Combinatorics Seminar

Thursday 20th January 17:00 (Irregular date and time)

Online meeting (Webex)

Recent progress on size Ramsey numbers

DAVID CONLON

(California Institute of Technology)

The size Ramsey number of a graph H is the smallest number of edges in a graph G with the property that every two-colouring of the edges of G contains a monochromatic copy of H . In this talk, we will discuss recent progress on several classical questions about size Ramsey numbers. For instance, what is the size Ramsey number of the complete bipartite graph $K_{s,t}$? And what is the size Ramsey number of a graph with maximum degree three? Parts of this talk represent joint work with Rajko Nenadov and Milos Trujic and also with Jacob Fox and Yuval Wigderson.

<https://tugraz.webex.com/tugraz/j.php?MTID=m6c5170bb9fef922f6a2c6f0ae61c425>

Meeting number: 2731 791 2435

Password: JPmsWgYG332

Joshua Erde, Mihyun Kang