Institut für Diskrete Mathematik

Combinatorics Seminar

Friday 3rd December 14:15

Online meeting (Webex)

Friendly bisections of random graphs

Matthew Kwan

(IST Austria)

Resolving a conjecture of Füredi, we prove that almost every n-vertex graph admits a partition of its vertex set into two parts of equal size in which almost all vertices have more neighbours on their own side than across. Our proof involves some new techniques for studying processes driven by degree information in random graphs, which may be of general interest.

This is joint work with Asaf Ferber, Bhargav Narayanan, Ashwin Sah and Mehtaab Sawhney.

Meeting link:

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

Meeting number: 188 980 7021

Password: ahMZ84fJYQ2

Joshua Erde, Mihyun Kang