Graz University of Technology

Institut für Diskrete Mathematik

Combinatorics Seminar

Friday 13th January 12:15

Online meeting (Webex)

Ringel's conjecture on tree-packing

Katherine Staden

(Open University)

When can (the edge-set of) a graph G be decomposed into copies of a given graph H? This question goes all the way back to Euler; despite this, the setting where the number of vertices in G and H are comparable is not yet well-understood. I will talk about the resolution of a conjecture of Ringel from 1963 where G is the complete graph on $2n+1$ vertices and H is any given tree with n edges. This is joint work with Peter Keevash; the conjecture was independently resolved by Montgomery, Pokrovskiy and Sudakov.

Meeting link:

https://tugraz.webex.com/tugraz/j.php?MTID=m44797227fd680cc7956ebb840b6f033a

Meeting number: 2730 500 3129

Password: vQydpg372D4

Joshua Erde, Mihyun Kang