

Abstrakt

Agnieszka Widz

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Random Graph

The Rado Graph, sometimes also known as the (countable) Random Graph, can be generated almost surely by putting an edge between any pair of vertices with some fixed probability $p \in (0, 1)$, independently of other pairs.

In my talk, I will show the influence of allowing different probabilities for each pair of vertices. More specifically, I will show characterize for which sequences $(p_n)_{n \in \mathbb{N}}$ of values in $[0, 1]$ there exists a bijection f from pairs of vertices in \mathbb{N} to \mathbb{N} such that if we put an edge between v and w with probability $p_{f(\{v,w\})}$, independently of other pairs, then the Random Graph arises almost surely.

The results presented in this talk are the result of the work of L. Coregiano J. Swaczyna and myself.