

Ramsey theorems for random structures

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The talk is based on the joint work with Rajko Nenadov and Nemanja Skoric.

Session: 27. Probabilistic and Extremal Combinatorics

In this talk we consider various versions of Ramsey-type questions in a random graph setting: the classical Ramsey problem, anti-Ramsey questions, Maker-Breaker games. It is easy to see that one should expect the same threshold (namely, the m_2 -density of the forbidden graph F) for all these problems. The aim of this talk is to provide a general framework for proving 0-statements and to then apply it to the three problems mentioned above. We also provide an extension to hypergraphs.