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New Developments in Hypergraph Ramsey Theory

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Abstract

I will describe several new constructions in hypergraph Ramsey theory. These constructions settle old conjectures of Erdos-Hajnal (1972) on classical Ramsey numbers and Ajtai-Erdos-Komlos-Szemeredi (1981) on off-diagonal variants, as well as more recent questions due to Conlon-Fox-Lee-Sudakov and others on generalized Ramsey problems. The talk will be accessible to a general combinatorial/mathematical audience.

Date : Monday, June 19, 2018

Time : 15:30

Place: IMBM Seminar Room, Boğaziçi University South Campus