

Mathematical Computer Science Seminar

Generalized Turán problems for graphs and hypergraphs

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Abstract: We will talk about a generalization of the Turán problem for hypergraphs: given a graph F , what is the maximum number of hyperedges an r -uniform n -vertex Berge F -free hypergraph can have? In particular, we will discuss tools used to reduce the hypergraph problem to problems for graphs. Finally, I will present some recent results for graphs without long Berge cycles. This is joint work with (different subsets of) Zoltan Füredi and Alexandr Kostochka.

Monday, November 12 at 3:00 PM in 427 SEO