

Recent progress on size Ramsey numbers

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Abstract

The size Ramsey number of a graph H is the smallest number of edges in a graph G with the property that every two-colouring of the edges of G contains a monochromatic copy of H . In this talk, we will discuss recent progress on several classical questions about size Ramsey numbers. For instance, what is the size Ramsey number of the complete bipartite graph $K_{s,t}$? And what is the size Ramsey number of a graph with maximum degree three? Parts of this talk represent joint work with Rajko Nenadov and Milos Trujic and also with Jacob Fox and Yuval Wigderson.