

Hypergraph Ramsey numbers

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The Ramsey number $r(H)$ of a k -uniform hypergraph H is the smallest number n such that if the complete k -uniform hypergraph on n vertices is 2-coloured, there is guaranteed to be a monochromatic copy of H . There has been a flurry of activity in studying these numbers in recent years. We give a survey of these results, focusing specifically on some recent work of the speaker with Jacob Fox and Benny Sudakov.