
ANDER LAMAISON, Masaryk University
Hypergraphs with minimum uniform Turán density

Reiher, Rödl and Schacht showed that the uniform Turán density of every 3-uniform hypergraph is either 0 or at least $1/27$, and asked whether there exist 3-uniform hypergraphs with uniform Turán density equal or arbitrarily close to $1/27$. We construct 3-uniform hypergraphs with uniform Turán density equal to $1/27$. Joint work with Frederik Garbe and Dan Král.