Abstrakt

The Erdös-Rademacher problem asks for the smallest number of r-cliques in a graph with the given number of vertices and edges. Despite decades of active attempts, the asymptotic value of this extremal function for fixed r was determined only recently, by Razborov (2008) for $r = 3$, Nikiforov (2011) for $r = 4$ and Reiher (2016) for any r. Here we describe the asymptotic structure of all almost extremal graphs. (This task for $r = 3$ was previously done by Pikhurko and Razborov (2017).)
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