

**Sidorenko, A. F.**

**Asymptotic solution for a new class of forbidden r-graphs.** (English) Zbl 0732.05031  
*Combinatorica* 9, No. 2, 207-215 (1989).

Summary: We consider the problem of finding  $ex(n;G)$ , defined as the maximal number of edges an  $r$ -graph on  $n$  vertices can have that contains no subgraph isomorphic to  $G$ . We construct certain  $r$ -graphs  $G$  for which we find the coefficient  $\tau(G)$  of the asymptotic expansion  $ex(n;G) = (\tau(G) + o(1)) \binom{n}{r}$  as  $n \rightarrow \infty$ .

**MSC:**

**05C35** Extremal problems in graph theory  
**05C65** Hypergraphs

Cited in **4** Reviews  
Cited in **23** Documents

**Keywords:**

maximal number of edges;  $r$ -graph

**Full Text:** [DOI](#)

**References:**

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