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On unavoidable graphs. (In English)

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A graph G is called an (n, e) -unavoidable graph if every graph on n vertices and e edges contains G as a subgraph. Let $f(n, e)$ denote the largest integer m with the property that there exists an (n, e) -unavoidable graph on m edges. In this paper the authors obtain bounds on $f(n, e)$ which are in many cases asymptotically best possible.

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Classification:

05C35 Extremal problems (graph theory)

Keywords:

subgraphs; Turan-like property; unavoidable graph