
Zbl 241.05111

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On the number of unique subgraphs of a graph. (In English)

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A subgraph H of a graph G is unique if H is not isomorphic to any other subgraph of G. The existence of a graph on n vertices having at least $2^{n^2/2-cn^{3/2}}$ unique subgraphs is proven for $c > \frac{3}{2}\sqrt{2}$ and n sufficiently large.

Classification:
05C99 Graph theory