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A Ramsey problem of Harary on graphs with prescribed size. (In English)

Discrete Math. **67**, 227-233 (1987). [0012-365X]

This paper contains several results relation the “sizes” of graphs and bounds on the corresponding Ramsey numbers. Two typical results: For any graph G with edges and no isolate vertices, $r(K_3, G) \leq [8q/3]$. For a fixed graph G with p vertices ($p \geq 3$) and q edges, there exists a constant C such that for n sufficiently large, $r(G, K_n) > C(n/\log(n))^{(p-1)(p-2)}$.

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Classification:

05C55 Generalized Ramsey theory

Keywords:

Ramsey numbers