

Zbl 534.05037

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On maximum chordal subgraph. (In English)

Combinatorics, graph theory and computing, Proc. 14th Southeast. Conf., Boca Raton/Flo. 1983, Congr. Numerantium 39, 367-373 (1983).

[For the entire collection see Zbl 523.00001.]

Let $f(n)$ be the smallest integer such that every graph G on n vertices can be made chordal by deleting at most $f(n)$ edges of G . The result of this paper is that $f(n) = \frac{n^2}{2} - (1 + o(1))\sqrt{2}n^{3/2}$.

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Classification:

05C35 Extremal problems (graph theory)

Keywords:

chordal graph; deleting edges