

Zbl 677.05053

Erdős, Paul; Pach, János; Spencer, Joel

On the mean distance between points of a graph. (In English)

Graph theory, 250th Anniv. Conf., Lafayette/Indiana 1986, Congr. Numerantium 64, 121-124 (1988).

[For the entire collection see Zbl 663.00003.]

The (computer made) conjecture $\mu(G) \leq r(G)$ is disproved (G is a connected graph, $\mu(G)$ the mean distance and $r(G) = \sum \deg(x)^{-1}$).

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Classification:

05C40 Connectivity

Keywords:

connected graph; mean distance