

Zbl 121.40302

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On the number of triangles contained in certain graphs (In English)

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Let $G(n; m)$ be a graph of n vertices and m edges. The following result holds: Consider a graph $G(n; [n^2/4] + l)$ and assume that if $l \leq 0$ it contains at least one triangle. Then it contains at least $[n/2] + l - 1$ triangles.

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Classification:

05C30 Enumeration of graphs and maps

05C38 Paths and cycles