
Zbl 099.39401
Erdős, Pál
On a theorem of Rademacher-Turán. (In English)
Ill. J. Math. 6, 122-127 (1962). [0019-2082]

Non-directed finite graphs without loops and parallel edges are considered. The main result is: there exists a positive constant c_1 such that, if $t < \frac{1}{2}c_1 n$, any graph having n vertices and $\left[\frac{1}{4}n^2\right] + t$ edges contains at least $t\left[\frac{1}{2}n\right]$ triangles. One of the lemma states: if a graph has n vertices and $\left[\frac{1}{4}(n-1)^2\right] + 2$ edges, then either it is even or it contains a triangle. — [Reviewer's note: — 3 must be added to the left-hand side of the formula (1) on p. 124. This correction does not touch the validity of the further estimations.]

A.Ádám

Classification:
05C38 Paths and cycles