

**Zbl 674.05038**

**Erdős, Paul; Faudree, Ralph J.; Rousseau, C.C.; Schelp, R.H.**

*An extremal problem for complete bipartite graphs.* (In English)

**Stud. Sci. Math. Hung. 23, No.3/4, 319-326 (1988). [0081-6906]**

Let  $f(n, k)$  be the largest integer  $q$  such that for every graph on  $n$  vertices and  $q$  edges the complementary graph contains every complete bipartite graph  $K_{a,b}$  with  $a + b = n - k$ . Exact values for  $f(n, 0)$  and  $f(n, 1)$  and bounds for  $f(n, k)$ ,  $k > 1$  are obtained.

*V. Tonchev*

Classification:

05C35 Extremal problems (graph theory)

05C05 Trees

Keywords:

Turan theorem; extremal graph