

**Zbl 572.05036**

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*A property of random graphs.* (In English)

**Ars Comb. 19A, 287-294 (1985). [0381-7032]**

A graph is said to have property  $P(n)$  if for any two disjoint vertex sets  $A$  and  $B$  with  $|A \cup B| = k$  there is another vertex which is joined to every vertex in  $A$  and no vertex in  $B$ . Let  $f(n)$  be the largest integer such that there is a graph of order  $n$  having property  $P(f(n))$ . Probabilistic methods are used to prove bounds on  $f(n)$ .

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Classification:

05C35 Extremal problems (graph theory)

60C05 Combinatorial probability

05C80 Random graphs

Keywords:

extremal graphs; Probabilistic methods