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Covering a graph by complete bipartite graphs. (In English)

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We prove the following theorem: the edge set of every graph G on n vertices can be partitioned into the disjoint union of complete bipartite graphs such that each vertex is contained by at most $c(n/\log n)$ of the bipartite graphs.

Classification:

05C70 Factorization, etc.

Keywords:

partition; coverings; complete bipartite graphs