

NOTE

A NOTE ON *PM*-COMPACT BIPARTITE GRAPHS¹

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Abstract

A graph is called perfect matching compact (briefly, *PM*-compact), if its perfect matching graph is complete. Matching-covered *PM*-compact bipartite graphs have been characterized. In this paper, we show that any *PM*-compact bipartite graph G with $\delta(G) \geq 2$ has an ear decomposition such that each graph in the decomposition sequence is also *PM*-compact, which implies that G is matching-covered.

Keywords: perfect matching, *PM*-compact graph, matching-covered graph.

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