## Note

# A NOTE ON PM-COMPACT BIPARTITE GRAPHS ${ }^{1}$ 

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#### Abstract

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


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