ON PATH-PAIRABILITY IN THE CARTESIAN PRODUCT
OF GRAPHS

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Abstract

We study the inheritance of path-pairability in the Cartesian product of
graphs and prove additive and multiplicative inheritance patterns of path-
pairability, depending on the number of vertices in the Cartesian product.
We present path-pairable graph families that improve the known upper
bound on the minimal maximum degree of a path-pairable graph. Further
results and open questions about path-pairability are also presented.
Keywords: path-pairable graphs, Cartesian product of graphs.
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References

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