

Embedding cartesian products of graphs in symmetric products

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Let X be a metric continuum. We denote by X^n its cartesian product and by $F_n(X)$ its symmetric product, i.e. the hyperspace of all non-empty subsets of X with at most n points, $F_n(X)$ endowed with the Hausdorff metric. We will consider some conditions about the ramification points to ensure that we get an embedding $X^n \rightarrow F_n(X)$. In this context it is possible to characterize the arc.

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