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Degree distance and Gutman index of two graph products. (English) Zbl 1456.05036
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Summary: The degree distance was introduced by Dobrynin, Kochetova and Gutman as a weighted version of the Wiener index. In this paper, we investigate the degree distance and Gutman index of complete, and strong product graphs by using the adjacency and distance matrices of a graph.

MSC:
05C09 Graphical indices (Wiener index, Zagreb index, Randić index, etc.)
05C90 Applications of graph theory

Keywords:
degree distance; adjacency matrix; distance matrix; complete product; strong product

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