

عنوان مقاله:

The reformulated sombor index of a graph

محل انتشار:

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خلاصه مقاله:

In ۲۰۲۱, Gutman invented a novel degree-based topological index called the Sombor index, inspired by a geometric interpretation of degree-radii of the edges and invited researchers to investigate their mathematical properties and chemical meanings. The Sombor index was reformulated in terms of the edge degree instead of the vertex degree as the original Sombor Index. In this paper, we compute the exact values of a certain class of graphs. Also, some bounds in terms of the order, size, minimum/maximum degrees and other topological indices are obtained.

کلمات کلیدی:

Reformulated Zagreb indices, Sombor Index, Reformulated Sombor Index

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