

Block Sombor Index and Its Properties

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ABSTRACT

Block Sombor index is the block number version of the classical Sombor index. The Block Sombor index $BS(G)$ is defined as the square root of the sum of squares of block numbers of adjacent vertices where the block number of a vertex is the number of blocks to which that vertex belongs to. In this paper, we obtain some bounds and characterizations.

Keywords: Graphical indices; Block number; Block Sombor index.

