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Szeged Index of Direct Some of Graphs

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This is a joint work with H. Yousefi-Azari and M. H. Khalifeh.

The Szeged index extends the Wiener index for cyclic graphs by counting the number of vertices on both sides of each edge and sum these counts. This topological index is defined by Ivan Gutman, 1994. In 1996, Klavar, Rajapakse and Gutman presented an exact formula for computing Szeged index of graphs. In this talk, we present an exact formula for the Szeged index of direct sum of graphs.