

Extremal values of Topological Indices

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In recent years, topological indices have attained great response from mathematicians and chemist due to their collective interests and applications in both sciences. These indices have extreme significance in quantitative structure activity relationship(QSAR) and quantitative structure property relationship(QSPR) study and are used to predict the biological activities and physical or chemical properties of different chemical compounds. In this talk, the behavior of modified Schultz index under some graph theoretic transformations/operators is discussed. The extreme values of different topological indices among the certain families of trees by using these transformations are investigated.

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