TOPOLOGICAL ASPECTS ON CORONENE GRAPH USING SOME GRAPH OPERATORS

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Abstract: The Topological index is a numerical parameter of molecular graph which correlates its $QSPR$(Quantitative Structure Property Relationships) and $QSAR$(Quantitative Structure Activity Relationships). In this article, we compute topological indices of some graphs obtained from k-Coronene graph using some graph operations.

Keywords and Phrases: Line graph, semi-total line graph, subdivision graph, semi-total point graph, Topological indices and k-Coronene graph.

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1. Introduction and Preliminaries

Topological indices are the graph invariants which are used to correlate chemical and physical properties of molecular structure. Path number is the first Topological index which is introduced by Harold Wiener (1947) [1], [10], [13], while he