

Matrix Representation of Molecular Graph

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Abstract :

The Matrix representation of the molecular graph is studied and re-written in new forms. We study and present the eigenvalues and eigenvectors of the star graph. In order to that we state and prove two theorems that finding the eigenvalues and eigenvectors of the star graphs. We relate these eigenvalues and eigenvectors with the physico-chemical prosperities of the molecule under consideration. Finally few examples are given.