

WIENER INDEX OF DEGREE SPLITTING GRAPH OF mC_n AND mK_n

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ABSTRACT

The Wiener index $W(G)$ is a distance-based topological invariant much used in the study of the structure-property and the structure-activity relationships of various classes of biochemically interesting compounds introduced by Harold Wiener in 1947. It is defined by the sum of the distances between all (ordered) pairs of vertices of G . In this paper, we obtain Wiener index of degree splitting graph of cyclic snakes mC_n and also complete snakes mK_n obtained from the path using MATLAB.

KEYWORDS: Distance Sum, Path, Cycle, MATLAB