

Metric Dimension on Line Graph of Honeycomb Networks

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Abstract : Let $G = (V, E)$ be a connected graph and distance between any two vertices a and b in G is a - b geodesic and is denoted by $d(a, b)$. A set of vertices W resolves a graph G if each vertex is uniquely determined by its vector of distances to the vertices in W . A metric dimension of G is the minimum cardinality of a resolving set of G . In this paper line graph of honeycomb network has been derived and then we calculated the metric dimension on line graph of honeycomb network.

Keywords : Resolving set, Metric dimension, Honeycomb network, Line graph

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