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## METRIC DIMENSION OF A HEXAGONAL CELLULAR NETWORK

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## Abstract

The metric dimension of a connected graph G is the minimum cardinality of a subset S of vertices of G such that for any two vertices u and v of G there is a vertex w in S such that d(u;w) 6= d(v;w). A Hexagonal cellular network is a graph in which each interior region is bounded by six edges. In this paper we completely determine metric dimension of Hexagonal cellular networks and some results related to bipartite graphs.

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Key Words: Metric Dimension, Landmarks, Cellular network.

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