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 $d(u;w) \neq d(v;w)$. 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.