

MINIMAL GRAPHS WITH RESPECT TO GEOMETRIC DISTANCE REALIZABILITY

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Abstract

A graph G is minimal non-unit-distance graph if there is no drawing of G in Euclidean plane having all edges of unit length, but, for each edge e of G , $G - e$ has such a drawing. We prove that, for infinitely many n , the number of non-isomorphic n -vertex minimal non-unit-distance graphs is at least exponential in n .

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