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*Some question about metric dimension of some families of graphs*

The metric dimension of graph has been studied since the works of Slater (1975) and Harary-Melter (1976). We focus in some of the problem we are working within that subject. Namely, we shall show that the metric dimension of some important families of graphs as Kneser graphs and Johnson graphs are related with some other problems as partial geometries or surface tilings. Additionally, we try to find how many different bases can a graph have.