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*Comparing the metric and edge metric dimensions of graphs*

Given a connected graph  $G$ , the cardinality of a smallest set of vertices that uniquely identifies all the (vertices or edges, resp.) of  $G$ , through a vector of distances to such set of vertices, is the (metric or edge metric, resp.) dimension of  $G$ . We shall present in this talk some comparisons between metric and edge metric dimension of graphs. Specifically, that for every  $r, t \geq 2$ , with  $r \neq t$ , there is  $n_0$ , such that for every  $n \geq n_0$  there exists a graph  $G$  of order  $n$  with metric dimension  $r$  and edge metric dimension  $t$ .