

# On metric dimension of Cayley digraphs of metacyclic groups

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(joint work with Tomáš Vetrík)

The metric dimension of a (di)graph  $G$  is the minimum cardinality of a subset  $R$  (resolving set) of vertices of  $G$  such that all vertices of  $G$  are uniquely determined by their distances to (or from) the vertices of  $R$ . In this talk we deal with metric dimension of 2-generated Cayley digraphs of split metacyclic groups. We show some interesting results for general split metacyclic groups. For some special parameters we give exact values of metric dimension.