

# Metric Dimension for Smallest Regular Graphs of Given Degree and Diameter

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## Abstract

A set of vertices  $S$  resolves a graph  $G$  if every vertex is uniquely determined by its vector of distances to the vertices in  $S$ . The metric dimension of  $G$  is the minimum cardinality of a resolving set of  $G$ .

Recently, Knor [6] gave a sharp lower bound on the number of vertices in a regular graph of given degree and diameter. Here we study the metric dimensions of graphs achieving such lower bound.

## References

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