On the metric dimension of some products of graphs

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. We have undertaken the evaluation of the so-called *metric dimension* of a finite connected graph, i.e., the minimum cardinality of a resolving set, for a number of graph families, as long as the study of its behavior with respect to both the cartesian and the strong product of graphs.

Ignacio Pelayo
Applied Mathematics III Department
ignacio.m.pelayo@upc.edu