

CODES FOR LOCATING SETS OF VERTICES IN A GRAPH

TERO LAIHONEN

In this talk, we concentrate on identifying codes, which can locate more than one vertex in a graph. In particular, we will introduce known results in the case of binary hypercubes, infinite square grid, triangular grid, king grid and hexagonal mesh. We also study the extremal question of minimizing the number of vertices of a graph admitting an identifying code, which can simultaneously locate several vertices. We also discuss the case where we do not know in advance an upper bound on the number of vertices to be located.