

Product Dimension of Trees

Ida Svejdarova

University of Illinois, Urbana-Champaign

The product dimension of a graph G (introduced by Nešetřil and Pultr in 1977) is the minimum number d such that G is an induced subgraph of the product of d complete graphs. In this talk I will show an improvement of long-standing upper and lower bounds on product dimension of trees and show that in some cases the new bounds are optimal.