Extremal problems related to domination in graphs, particularly in trees

Marcin Krzywkowski

Institute of Mathematics, Polish Academy of Sciences

November 26th, 2013

Let $G = (V, E)$ be a graph. A subset D of $V(G)$ is a dominating set of G if every vertex of $V(G) \setminus D$ has a neighbor in D. The minimum cardinality of a dominating set of G is called the domination number of G. The talk will concern extremal problems related to domination in graphs (particularly in trees). Results concerning counting or listing certain domination type sets will be presented.