

LOCATING AND DOMINATING SETS IN GRAPHS

MICHAEL HENNING

University of Johannesburg, South Africa

In this talk, we present results on locating and dominating-type sets in graphs, including dominating sets, paired-dominating sets and total dominating sets. We consider such dominating sets which are also locating sets, that is distinct vertices in the graph are dominated by distinct subsets of the dominating set. We consider three variations of sets which are dominating (or paired-dominating or total dominating) and locating sets and investigate their properties.