Combinatorics Seminar

Thursday, February 13, 2003

3:00 pm in Hume 331

Dr. Bing Wei

Department of Mathematics
The University of Mississippi

On the total domination number of graphs

ABSTRACT

A *total dominating set* in a graph G is a subset A of vertices such that every vertex in G is adjacent to a vertex in A. The *total domination number* of a graph G is defined as the cardinality of the smallest total dominating set. Some results on the total domination number of graphs will be presented and some related problems will be proposed. We will also give a proof of a recent conjecture of Favaron et al.