Meeting: 999, Nashville, Tennessee, SS 14A, Special Session on Graph Theory and Matroid Theory

999-05-187 **Peter John Slater*** (`slater@math.uah.edu`), Mathematical Sciences Department, University of Alabama in Huntsville, Huntsville, AL 35899. *Colored domination and colored independence in graphs.* Preliminary report.

Problems in which the vertex and/or edge set of a graph G are partitioned, and for which a solution is required to consist of the union of a subset of the elements of the partition, will be discussed. Two specific problems involving partitions of vertex set V(G), namely, domination and independence, will be considered. (Received August 23, 2004)