1033-05-213 **Peter John Slater*** (slater@math.uah.edu), Math Sciences and Computer Science Depts, University of Alabama in Huntsville, Huntsville, AL 35899. *Colored problems are NP-complete for paths.*

For "colored" problems for graphs one is given a partition S = S1,S2, ..., St of vertex set V(G). Solution sets for the respective problems require one to use all or none of the vertices in each color class Si. It will be shown that the colored-independence and colored-domination problems are NP-complete even when graph G is restricted to be a path and under various restrictions for partition S. (Received September 11, 2007)