

YMC2004 TALK ABSTRACT

Shawn Elledge

Arizona State University

Title: Applications of Graph Pebbling to Group Theory

Description:

In 1989 Chung used graph pebbling to prove a number theoretic result of Kleitman and Lemke, first conjectured by Erdős and Lemke. Kleitman and Lemke then conjectured group theoretic generalizations of this result. Our research aims to use graph pebbling to prove these conjectures for solvable groups.