1125-VF-362 **Ian M Hill\***, hillim@dukes.jmu.edu, and **Josh E Ducey**. *The Critical Group of KG(n,2)*. Preliminary report.

Let KG(n,k) denote the graph whose vertices are the subsets of size k of a set of size n, where two vertices are adjacent if they are disjoint. This is the Kneser Graph. We will look at the critical group of KG(n,2) and take a combinatorial approach through a "chip-firing game" to prove that it is isomorphic to a particular direct sum of cyclic groups. (Received August 29, 2016)