

1116-06-2151      **Kelli M Karcher\*** ([kkarcher@vt.edu](mailto:kkarcher@vt.edu)). *The Space of Biorders on Some Solvable Groups*. Preliminary report.

A group is said to be biorderable if it has a total order invariant under left and right multiplication. These orders can be given a topology which is called the space of biorders on this group. There has been intensive study on the space of left-orders recently, but less on the space of biorders. We will focus on solvable groups to show under certain conditions the space of biorders is either finite or homeomorphic to the Cantor set. (Received September 21, 2015)