

1102-05-18

**Patricia Hersh\*** (plhersh@ncsu.edu) and **Karola Meszaros**. *SB-labelings and posets with each interval homotopy equivalent to a ball or sphere.*

This talk will introduce a new class of poset edge-labelings called SB-labelings. I will briefly indicate why lattices with SB-labelings have the property that each open interval is homotopy equivalent to a ball or a sphere of some dimension. Then I will describe SB-labelings for several familiar lattices and suggest other examples that could perhaps also admit SB-labelings. This is joint work with Karola Meszaros. (Received June 14, 2014)