

1070-18-171 **Mindy Capaldi** and **Thomas Lada*** (lada@math.ncsu.edu). *L_∞-algebras and Symmetric Brace Algebras*. Preliminary report.

Symmetric brace algebras can be used to describe L_∞ - algebras. In this talk we will describe L_∞ -algebra morphisms using symmetric braces. We will also show how one may deform a given L_∞ - algebra on a vector space to a new algebra structure on the same underlying space. (Received February 09, 2011)