

1116-13-1199 **Luigi Ferraro*** (lferraro2@math.unl.edu). *On the bimodule structure of bounded cohomology.*

Stable cohomology is a \mathbb{Z} -graded multiplicative cohomology theory generalizing Tate cohomology and first defined by Pierre Vogel. It is connected through a short exact sequence to the absolute cohomology and another cohomology theory called bounded cohomology. In this talk we investigate the structure of the bounded cohomology as a graded bimodule using the Hopf algebra structure of the Ext algebra. We use the information on the bimodule structure of the bounded cohomology to study the stable cohomology algebra as a trivial extension algebra. (Received September 17, 2015)