

1112-16-236

**Van C. Nguyen\*** (v.nguyen@neu.edu), Northeastern University, Department of Mathematics, Boston, MA 02115, and **Sarah Witherspoon**, Texas A&M University. *Finite generation of cohomology rings.*

People are interested in the cohomology rings for various reasons. One of the properties they look at is whether the cohomology ring of an algebra is finitely generated. In this talk, we show that some skew group algebras have Noetherian cohomology rings, a property inherited from their component parts. The proof is an adaptation of Evens' proof of finite generation of group cohomology. We apply the result to a series of examples of finite dimensional Hopf algebras in positive characteristic. (Received August 05, 2015)