

1123-11-220

Michiel Filip Kusters* (kusters@gmail.com). *Wild symbols in local class field theory.*

Let $K = k((T))$ be a Laurent series ring where k is a finite field of characteristic p . One can construct a symbol, using class field theory and Artin-Schreier-Witt theory, which helps us to understand the cyclic extensions of K of degree p^m for any m . In this talk, we will discuss an easy formula for computing this symbol.

This research is joint work with Daqing Wan. (Received August 26, 2016)