

**Number theory and Representation
Theory seminar, Fall 2007
East Hall 4096
December 10, 3:10-5:00pm
(tea break at 4pm)**

Equicharacteristic Galois representations of local function fields

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Abstract

Let k be a finite field and let G be the absolute Galois group of $k((t))$. I will discuss an invariant which measures the complexity of G -representations over F_p ($p = \text{char}(k)$). This invariant has some applications to cohomology in positive characteristic.