

1116-13-2319 **Daniel J Hernández*** (dhernan@umich.edu), dhernan@umich.edu, and **Emily E Witt**. *Explicit descriptions of F -thresholds*.

Using the Frobenius endomorphism, one can associate to any polynomial over a finite field a numerical invariant called an F -threshold. In this talk, we describe some explicit formulas for F -thresholds, and time permitting, we will discuss an interesting application of these formulas (originally observed by Mustata, Takagi, and Watanabe) to the problem of determining roots of Bernstein-Sato polynomials. This is joint work with Emily Witt. (Received September 22, 2015)