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Sarah Cobb, Michelle Knox, Marcos Lopez* (marcos.lopez@msutexas.edu), **Terry McDonald** and **Patrick Mitchell**. *Distribution of Constant Terms of Irreducible Polynomials in $\mathbb{Z}_p[x]$.*

There is a bias in the number of irreducible polynomials over a finite field with a given constant term. In this talk, we will show explicit formulas for the number of monic irreducible polynomials of degree q^k over a finite field and prescribed constant term. We show that the number such polynomials depends only on whether the constant term is a residue in the underlying field. We further show that as k becomes large, the proportion of irreducible polynomials having each constant term is asymptotically equal. (Received September 11, 2019)