Philadelphia Area Number Theory Seminar

Ricardo Conceicao
Gettysburg College

On a Frobenius problem for polynomials

Abstract: We extend the famous diophantine Frobenius problem to the case of polynomials over a field k. Similar to the classical problem, we show that the $n = 2$ case of the Frobenius problem for polynomials is easy to solve. In addition, we translate a few results from the Frobenius problem over $\mathbb{Z}$ to $k[t]$, discuss a few ways in which the classical problem differs from the one over a polynomial ring and mention a few ideas for future research on the Frobenius problem over polynomials. This talk is based on a joint work with R. Gondim and M. Rodriguez.

Thursday, October 29, 2015
2:40{4:00PM

Bryn Mawr College
Department of Mathematics
Park Science Center **328**
Tea and refreshments at 2:20PM in Park 355