Philadelphia Area Number Theory Seminar

Robert Styer
Villanova University
(Joint Work with Reese Scott)

Number of Solutions to $a^x + b^y = c^z$

Abstract: For relatively prime integers a and b both greater than one and odd integer c, there are at most two solutions in positive integers (x, y, z) to the equation $a^x + b^y = c^z$. There are an infinite number of (a, b, c) giving exactly two solutions. The proof uses only elementary methods.

Thursday, / P W F N C, 2015
2:40{4:00PM

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