

Philadelphia Area Number Theory Seminar

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(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, November 12, 2015

2:40–4:00PM

Bryn Mawr College

Department of Mathematics

Park Science Center **328**

Tea and refreshments at 2:20PM in Park 355