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, 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