Philadelphia Area Number Theory Seminar

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Möbius function in function fields

Abstract: Finding the precise upper and lower bounds of $M(x)$, which is defined by

$$M(x) = \sum_{n \leq x} \mu(n),$$

is a difficult problem in analytic number theory. We look at this problem in the function field context and describe some connections with random matrix theory and the Deligne–Katz equidistribution theorem.

Wednesday, July 15, 2015
2:40–4:00PM

Bryn Mawr College
Department of Mathematics
Park Science Center **328**

Tea and refreshments at 2:20PM in Park 355