

BI-CO MATHEMATICS COLLOQUIUM

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“Counting Crossings of Curves on Surfaces”

Monday, January 28, 2013

Talk at 4:00 – E309

Tea at 3:00 – KINSC Math Lounge, H208

Abstract:

In this talk, we'll discuss a surprising connection between algebra, topology, and geometry. Our goal is to count intersection and self-intersection numbers of curves on surfaces. We will see how to do this using certain algebraic structures called Lie algebras, which are vector spaces with some additional properties.

Haverford College