BI-CO MATHEMATICS COLLOQUIUM

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"Positive Twist Knots and the Uniform Thickness Property"

Monday, March 18, 2013

Talk at 4:00 – E309
Tea at 3:00 – KINSC Math Lounge, H208

Abstract:

In 2007, Etnyre and Honda defined a new knot invariant called the Uniform Thickness Property in order to better understand Legendrian knots. The classification of Legendrian knots in R^3 with the standard contact structure has been a slow process in comparison to the topological classification in R^3. In this talk, we will discuss what makes Legendrian knots more delicate than topological knots, and how the Uniform Thickness Property can help in their classification. My current research investigates the Uniform Thickness Property with respect to positive twist knots which we will discuss towards in the second half of this talk.

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