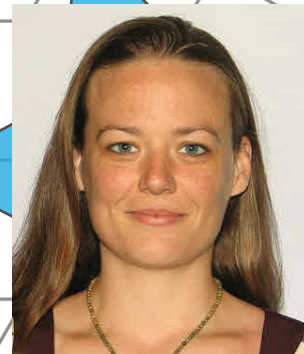


Department of Mathematics and Statistics COLLOQUIUM

Positive Twist Knots and the Uniform Thickness Property



Whitney George
West Chester University

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 \mathbb{R}^3 with the standard contact structure has been a slow process in comparison to the topological classification. 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 in the second half of the talk.

TUESDAY, SEPTEMBER 17

SCIENCE CENTER 199

Refreshments 4:15

Talk 4:30

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