Math Club

How to Tie Your Unicycle in Knots: An Introduction to Legendrian Knot Theory

Presented by: Josh Sabloff, Haverford College

Abstract: You can describe the configuration of a unicycle on a sidewalk using three coordinates (x,y,t) where t is the angle that the direction the wheel makes with the x axis. The motions of the unicycle are constrained to moving in the direction the wheel is pointing. This is an example of a "contact structure," and a path that obeys the constraints is a "Legendrian curve." If the curve returns to its starting spot it is a "Legendrian Knot."

Where: Wachman Hall Room 617

When: THURSDAY, January 29th, 1:00pm

Pizza will be served afterwards!