Joan Licata
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will speak on

Knot theory and contact lens spaces

ABSTRACT: In this talk I’ll introduce an invariant for Legendrian knots in lens spaces equipped with the universal tight contact structure. This invariant takes the form of a differential graded algebra and is closely related to Sabloff’s invariant for Legendrian knots in the standard tight three-sphere. As partial motivation, I’ll explain the relationship between the knot theory of contact lens spaces and the Berge Conjecture.

TUESDAY, 15 SEPTEMBER 2009
Lecture at 5:00 PM
Coffee, tea, and refreshments from 3:00–5:00 PM
Room 617, Wachman Building
Department of Mathematics