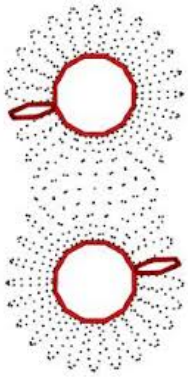
TEXAS STATE UNIVERSITY

The rising STAR *of Texas*



Topology Seminar

2018, March 23, Friday, 11:00-11:50 a.m., in DERR 334

Speaker: Dr. Diana Hubbard (Univ. of Michigan)

Title: *Minimal representatives of knots*

ABSTRACT

A knot is a smooth embedding of the circle into either three-dimensional Euclidean space or the three-sphere, considered up to isotopy. A classical result of Alexander from the 1920's states that every knot can be represented as the closure of a braid. In fact, every knot has infinitely many braid representatives. In this talk I will discuss joint work with Peter Feller that addresses, in a large variety of cases, the basic problem of deciding when a braid representative of a knot is minimal.

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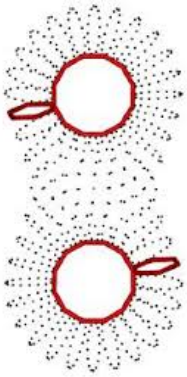

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