Mathematics, Statistics, and Computer Science   **@ UIC**

Geometry, Topology and Dynamics Seminar

CANCELLED

Maggie Miller (Princeton University)

Abstract: Fibering ribbon disk complements – I will discuss how to constructively extend fibrations over S^1 of 3-manifolds to bounded 4-manifolds. The fibration of the 4-manifold will in general be singular, but with some constraints we can force the extension to be smooth. This is related to a question of Casson and Gordon: if a ribbon disk D is bounded by a fibered knot, is the complement of D fibered over S^1? In particular, I show the answer is, ''yes,'' if D has 2 minima, extending a result of Scharlemann for the unknot.

There will be a Career panel discussion on the following Tuesday at lunchtime. Sign up here: https://forms.gle/RdugQAGtowVbMo

Monday, March 16 at 3:00 PM in 636 SEO