

TOPOLOGY SEMINAR

Guest Speaker: Alexandra Kjuchukova

University of Notre Dame

Date: Tuesday, March 19, 2024

Time: 2:30 PM

Location: 258 Hurley Bldg

Zoom Link: NA



Lecture Title:

Ribbon knots and coloring surfaces in the four-ball

Abstract

When does a Fox p -colored knot in S^3 bound a Fox p -colored surface in B^4 ? I'll answer (a considerably more general version of) this question and explain how it arises in the study of the slice-ribbon problem, via a ribbon obstruction obtained from the Ξ_p invariant of colored knots.