

TOPOLOGY SEMINAR

Guest Speaker: Marissa Loving
Georgia Tech

Date: Tuesday, August 25, 2020

Time: 2:30 PM

Location: Zoom

Zoom Link: <https://notredame.zoom.us/j/97262637721>



Lecture Title:
Covers and Curves

Abstract

It is a celebrated result of Scott that every closed curve on a hyperbolic surface lifts to a simple closed curve on some finite cover. In the spirit of this work we pose the following question, What information about two covers X and Y of S can be derived by understanding how curves on S lift simply to X and Y ? In this talk, we will explore the answer to this question for regular finite covers of a closed hyperbolic surface. This work is joint with Tarik Aougab, Max Lahn, and Yang (Sunny) Xiao.