Department of Mathematics
University of Notre Dame

TOPOLOGY SEMINAR

Guest Speaker: Carlos Marcelo Servan
University of Chicago

Date: Tuesday, October 25, 2022
Time: 2:15 PM
Location: 117 Hayes-Healy Hall
Zoom Link: NA

Lecture Title:
On the uniqueness of the Prym map

Abstract

The classical Prym construction associates an abelian variety of dimension g-1 to a double cover $Y->X$ of a smooth genus g curve, The construction globalizes to a map between moduli spaces Prym: $R_g \to A_{g-1}$. One can ask to what extent is this construction special? In this talk, I will discuss my recent work showing that Prym is unique. A big step in the proof is a classification of homomorphisms between the orbifold fundamental groups $\pi_1(R_g) \to Sp(2g, Z)$.

Carlos Marcelo Servan - University of Chicago