Department of Mathematics
University of Notre Dame

Lorenzo Riva - University of Notre Dame

GRADUATE STUDENT SEMINAR

Guest Speaker: Lorenzo Riva

University of Notre Dame

Date: Monday, September 26, 2022

Time: 4:00 PM

Location: 125 Hayes-Healy Hall

Zoom URL: notredame.zoom.us/j/93888654312

Lecture Title:

Morse theory II: Differential Boogaloo

Abstract

We will exploit the Morse theoretic tools developed last week, along with a healthy amount of linear algebra and a bunch of pictures, to outline a proof of the h-cobordism theorem, one of whose powerful consequences is a solution of the Poincaré conjecture in high dimensions.