Department of Mathematics
University of Notre Dame

Ian Adelstein - Yale University

FELIX KLEIN SEMINAR

Speaker: Ian Adelstein

Yale University

Date: Thursday, April 28, 2022

Time: 2:00 PM

Location: Zoom

Zoom URL: notredame.zoom.us/j/91490739731?pwd=a0dtWWpCanlCdWFJMFNra3BhamhQQT09

Lecture Title:

Classifying manifolds all of whose geodesics are closed

Abstract

It is known that Blaschke manifolds (where injectivity radius equals diameter) are Besse manifolds (where all geodesics are closed). We show that Besse manifolds with sufficiently many diameter realizing directions are Blaschke. This is joint work with Ben Schmidt and Franco Vargas Pallete.