Department of Mathematics
University of Notre Dame

Eric Riedl - University of Notre Dame

GRADUATE STUDENT SEMINAR

Guest Speaker: Eric Riedl

University of Notre Dame

Date: Tuesday, November 9, 2021

Time: 4:00 PM

Location: 258 Hurley Hall

Zoom URL: notredame.zoom.us/j/95815357423

Lecture Title:

Geometric Manin's Conjecture in Fano Threefolds

Abstract

Manin's Conjecture predicts the number of rational points on a variety with bounded height. Like many conjectures in Number Theory, it appears far out of reach to prove in general. However, we can obtain evidence for this conjecture by considering the analogous version for varieties defined over the function field of a curve, namely, Geometric Manin's Conjecture. In this talk, we describe why Geometric Manin's Conjecture is the analogue of the number theory conjecture, then we talk about some results toward proving Geometric Manin's Conjecture for Fano Threefolds.