"The course of true love never did run smooth."

-William Shakespeare

"All happy families resemble one another, each unhappy family is unhappy in its own way."

-Leo Tolstoy

"A common mistake that people make when trying to design something completely foolproof is to underestimate the ingenuity of complete fools."

-Douglas Adams

The Trivial Notions Seminar
Proudly Announces

Complete Families of Smooth Curves

A talk by
Eric Riedl

Abstract

Moduli spaces are a fundamental concept in algebraic geometry, and they continue to be critical in many active areas of research. It is a surprising fact that even algebraic geometers who mostly care about smooth varieties are often find singular objects arising naturally in their moduli spaces. This talk will explore an example of that principle. First, I will talk about what a moduli space is in general. Then I will describe a result of Chang and Ran showing that in $\mathbb{P}^n$, a complete family of smooth, generically non-degenerate curves has dimension at most $n - 1$.

Thursday September 19$^{\text{th}}$, at 1:00 pm
Science Center 507