

# The SUMO Speaker Series for Undergraduates

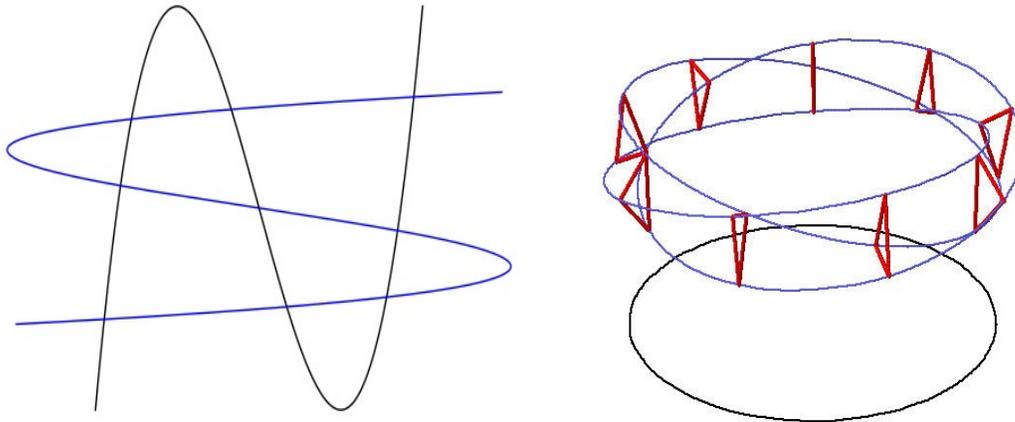
*(Pizza Provided)*

Wednesday, May 18<sup>th</sup>

**4:15-5:05, room 380C**

## What is a moduli space?

Professor Jonathan Wise



### ABSTRACT:

How many intersection points are there among two curves in the plane defined by polynomials? I'll explain one way to see the answer by treating the collection of all curves as a geometric object in its own right.

Whenever we are able to realize mathematical objects as the points of a reasonable space, we call that space a "moduli space." We'll spend the rest of the talk discussing what spaces we should consider reasonable, drawing intuition from some familiar examples from geometry (like triangles).

[sumo.stanford.edu/speakers](http://sumo.stanford.edu/speakers)