

The SUMO Speaker Series for Undergraduates

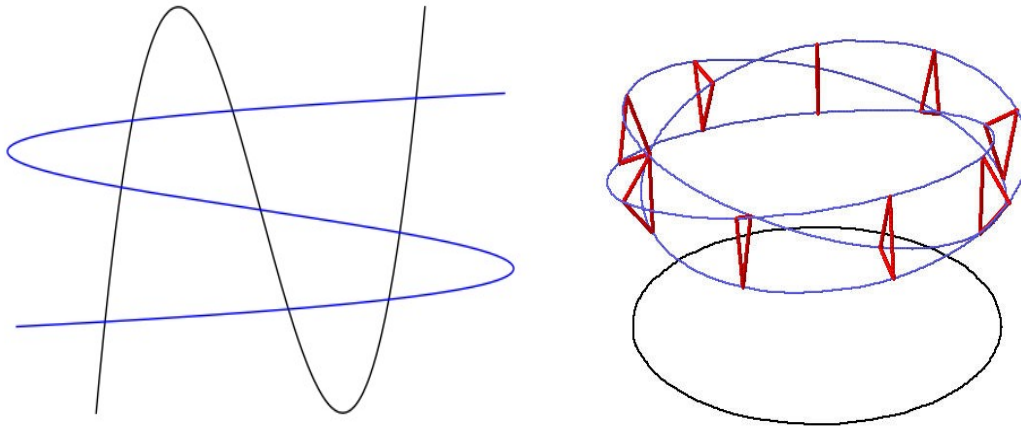
(Pizza Provided)

Wednesday, May 18th

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