



SUMO PRESENTS:

*Elliptic Curves, Moduli
Spaces, and a Modular Form*

A TALK BY RAWLEY HARRISON

ABSTRACT

This title, designed to be (perhaps excessively) eye-catching, comprises three topics of great mathematical significance, each of which play key roles in important problems of modern mathematics. While understanding any one of them to a significant degree would take at least an entire course, let alone one lecture, in this talk, I will attempt to scratch the tip of these three icebergs at once! In this talk, I will give a (relatively) elementary introduction to the three topics in a remarkable place where they intersect: the moduli space of elliptic curves over $\mathbb{C}$. I will first give a brief introduction to elliptic curves, some of their key properties, and then construct said moduli space. This talk is designed to be accessible to undergraduates.

OCTOBER 24, 4–5 P.M.

MATH BUILDING, 380–380X

Refreshments provided afterwards!

