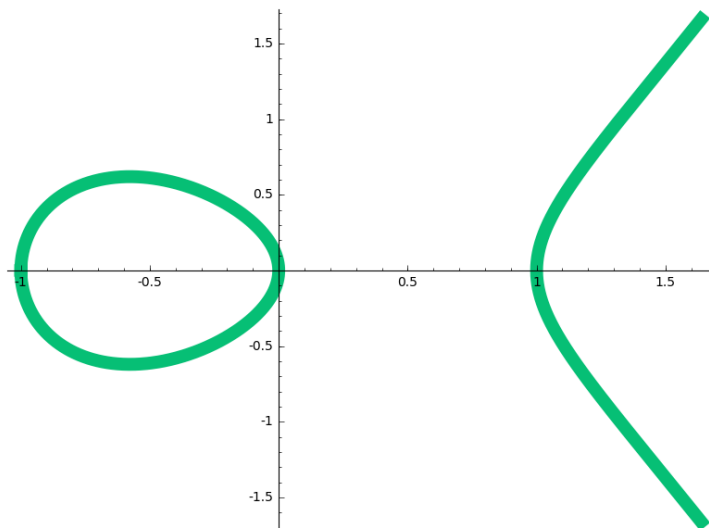# Rational Points on Elliptic Curves

Undergraduate Math Club
CORNELL UNIVERSITY

SPEAKER

Seraphina Lee

ABSTRACT

Elliptic curves are a special kind of curve that can be given as solutions to equations of the form $y^2 + a_1xy + a_3y = x^3 + a_2x^2 + a_4x + a_6$, with an added point at infinity. I will begin with an introduction to basic definitions, followed by a discussion of their significance, plus what we know (and don't know) about the group structure on their $\mathbb{Q}$- and $\mathbb{F}_p$-points.

NOV 5 at 5:15pm

Malott 532 ⋆ Refreshments