"Shimura varieties are like laser pointers. No one knows how they're made but they're a lot of fun to play with."

– Jacob Tsimerman

The Trivial Notions Seminar
Proudly Announces

CM points on a product of two modular curves

A talk by

Ananth Shankar

Abstract

CM points on Shimura Varieties are said to be the analogue of torsion points on Abelian Varieties. The Andre-Oort conjecture quantifies one aspect of this statement. We will demonstrate Edixhoven's proof (conditional on the GRH) of the Andre-Oort conjecture in the case of a product of two modular curves, by classifying all its subvarieties which have a Zariski-dense set of CM points.

Wednesday April 15$^{\text{th}}$, at 1:00 pm
Science Center 112