

“Only by taking infinitesimally small units for observation (the differential of history, that is, the individual tendencies of men) and attaining to the art of integrating them (that is, finding the sum of these infinitesimals) can we hope to arrive at the laws of history.”

—Tolstoy

The Trivial Notions Seminar
Proudly Announces
Infinitesimal Notions

A talk by
Lucy Yang

Abstract

Synthetic differential geometry first specifies certain axioms which we would like a category of manifolds to satisfy and then asks for a model of said theory. I will explore similarities and differences between it and classical differential geometry and why it is incompatible with the law of the excluded middle. I'll also discuss models and an application to the calculus of variations.

Friday, November 1st, at 12:30 pm
Science Center 530