Mathematics Department Colloquium

Organizer: John Strain

Thursday, 4:10–5:00pm, 60 Evans

Dec. 7   **Jacob Lurie**, Harvard
Elliptic Cohomology

Elliptic cohomology lies at the intersection of several mathematical disciplines, including algebraic topology, algebraic geometry, number theory, and mathematical physics. In this talk, I will introduce the theory of elliptic cohomology from a homotopy theorist's perspective. If time permits, I will describe some of the (still conjectural) connections with physics, via the "topological Witten genus".