Topology Seminar

Akhil Mathew

of The University of Chicago will be speaking on

Syntomic Complexes of Regular Rings

on September 19 at 3:00 in
MIT Room 2-131

Syntomic complexes are a form of p-adic motivic cohomology that filter p-adic étale K-theory (or topological cyclic homology), and which are defined in terms of prismatic cohomology. I will explain a description of the syntomic complexes of p-torsionfree regular rings, based on a mixed characteristic analog of the Cartier isomorphism, closely related to the Segal conjecture for THH. (Joint with Bhargav Bhatt.)