

Topology Seminar

Teena Gerhardt

of Michigan State University will be speaking on

Cyclotomic spectra and computations in algebraic K-theory

on March 7 at 4:30 in
MIT Room 2-131

In this talk I will describe joint work with Vigleik Angeltveit, Mike Hill, and Ayelet Lindenstrauss, yielding new computations of algebraic K-theory groups. In particular, we consider the K-theory of truncated polynomial algebras in several variables. Techniques from equivariant stable homotopy theory are often key to algebraic K-theory computations. In this case we use n -cubes of cyclotomic spectra to compute the topological cyclic homology, and hence K-theory, of the rings in question.