

Topology Seminar

Nat Stapleton

of Max Planck Institute will be speaking on

The infinite prime in chromatic homotopy theory

on May 9 at 3:30 in
MIT Room 2-131

The behavior of the category of E_n -local spectra simplifies in various ways as $p \rightarrow \infty$. For a collection of categories indexed by the prime numbers we construct a category 'at the infinite prime' that captures behavior of all but finitely many of the input categories. We then apply this construction to the E_n -local and $K(n)$ -local situations and analyze the resulting categories. This talk represents joint work with Barthel and Schlank.