Topology Seminar

Samik Basu

of Harvard University will be speaking on

A_∞ structures on Thom spectra

on February 23 at 4:30 in
MIT Room 2-131

Let R be an E_∞ ring spectrum. Given a map $f : X \to \mathrm{BGL}_1(R)$, we can construct a Thom spectrum Xf. If f is a loop map, then there is an A_∞ R module structure on the Thom spectrum. I will consider various examples of these Thom spectra and construct A_∞ structures on them. I will then use this identification to calculate Topological Hochschild Homology.