



Speaker: Inbar Klang
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Tuesday, October 31, 2017

2:30 PM

258 Hurley Hall

Title: Factorization homology and topological Hochschild cohomology of Thom spectra

Abstract:

By a theorem of Lewis, the Thom spectrum of an n -fold loop map to BO is an E_n -ring spectrum. I will discuss a project studying the factorization homology and the E_n topological Hochschild cohomology of such Thom spectra, and talk about some applications, such as computations, and a duality between topological Hochschild homology and cohomology of certain Thom spectra. Time permitting, I will discuss connections to topological field theories. This talk will include an introduction to factorization homology.