

Topology Seminar

Gonçalo Tabuada

of MIT will be speaking on

The Fundamental Theorem via Derived Morita Invariance, Localization, and \mathbb{A}^1 -Homotopy Invariance

on November 21 at 4:30 in
MIT Room 2-131

We prove that every functor defined on dg categories which is derived Morita invariant, localizing, and \mathbb{A}^1 -homotopy invariant, satisfies the fundamental theorem. As an application, we recover, in a unified and conceptual way, Weibel and Kassel's fundamental theorems in homotopy algebraic K-theory, and periodic cyclic homology, respectively.