Stable Homotopy Theory

Kiyoshi

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Basics

We want to study homotopy-invariant constructions that are preserved by suspension. We want to construct a "stable homotopy category" where this stable behavior can be studied.

What is Stable Phenomena?

We want to work with closed monoidal categories for our constructions.

Definition 0.1. The category of topological spaces Top. is defined to be the category of compactly generated weak Hausdorff topological spaces with continuous maps for morphisms Top(A, B).