

Topology Seminar

Ezra Getzler

of Northwestern University will be speaking on

Higher stacks and categories of fibrant objects

on September 22 at 4:30 in
MIT Room 2-131

We present a simple set of axioms on a category of “spaces” which allows us to show that the category of “fibrant simplicial spaces” is a category of fibrant objects. This provides a general framework for studying higher stack theory (or, equivalently, higher Lie groupoids). As an example, we outline a generalization of Kuranishi theory to the higher stack of perfect complexes.

This is joint work with Kai Behrend.