

Topology Seminar

Robert Burklund

of MIT will be speaking on

Multiplicative Structures on Moore Spectra

on April 25 at 4:30 in
MIT Room 2-131

One of the distinguishing features of higher algebra is the difficulty of constructing quotients. In this talk I will explain a new technique for constructing algebra structures on quotients. This technique allows us to prove that $\mathbb{S}/8$ is an \mathbb{E}_1 -algebra, $\mathbb{S}/32$ is an \mathbb{E}_2 -algebra, \mathbb{S}/p^{n+1} is an \mathbb{E}_n -algebra at odd primes and, more generally, for every h and n there exist generalized Moore spectra of type h which admit an \mathbb{E}_n -algebra structure.

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