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„Stability of Loday constructions.“

Abstract:

If A is a commutative ring spectrum one can form $X \otimes A$ for X a (finite pointed) simplicial set. Important examples are topological Hochschild homology ($X = S^1$), torus homology ($X = (S^1)^n$) or higher THH ($X = S^n$). In joint work with Ayelet Lindenstrauss we investigate the question when $X \otimes A$ only depends on the homotopy type of the suspension, ΣX . I will present counterexamples but also classes of examples that are stable in the above sense.