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Juan S. Villeta-Garcia* (jvillet@emory.edu). *Stabilizing Spectral Functors of Exact Categories.*

Algebraic K-Theory is often thought of as "the" universal additive invariant of rings (or more generally, exact categories). Often, however, functors on exact categories don't satisfy additivity. We will describe a procedure that constructs a functor's universal additive approximation, and apply it to different local coefficient systems, recovering known invariants of rings (K-Theory, THH, etc.). We will talk about what happens when we push these constructions to the world of spectra, and tie in work of Lindenstrauss and McCarthy on the Taylor tower of Algebraic K-Theory. (Received February 09, 2018)