1125-55-3101 **Juan S. Villeta-Garcia*** (villeta2@illinois.edu). *Stabilizing Spectral Functors of Exact Categories.* Preliminary report.

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 (due to McCarthy) that constructs a functor's universal additive approximation, and apply it to different 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 September 21, 2016)