

ALGEBRA  
SEMINAR

*Stabilizing Spectral Functors of Exact Categories*

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**Abstract:** 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 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.

Tuesday, September 26, 2017, 4:00 pm  
Mathematics and Science Center: W306

MATHEMATICS AND COMPUTER SCIENCE  
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