

1150-55-578

Cary Malkiewich* (malkiewich@math.binghamton.edu). *K-theory of endomorphisms, TR, and periodic points.*

It is known, though not terrifically well-known, that topological Hochschild homology (THH) holds the complete invariant for removing fixed points from a self-map f of a compact manifold of dimension at least 3. I will talk about joint work with Ponto that begins to prove the same for topological restriction homology (TR) and periodic points. I will also talk about joint work with Campbell, Lind, Ponto, and Zakharevich that gives an explicit model for the trace map from K-theory of endomorphisms to TR. Along this trace, the periodic point invariants come from a single class in K-theory of endomorphisms. (Received July 16, 2019)