

# Homotopy invariants of singularity categories

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The existence of a grading on a ring often makes computations a lot easier. In particular this is true for the computation of homotopy invariants. For example one can readily compute such invariants for the stable categories of graded modules over connected graded self-injective algebras. Using work of Tabuada, we will show how to deduce from this knowledge the homotopy invariants of the ungraded stable categories for such algebras. This is based on joint work with Greg Stevenson.