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**Tyler D Anway\*** ([tyler.anway@uta.edu](mailto:tyler.anway@uta.edu)). *Classifying Totally Acyclic Complexes over Rings of Finite CM Type*. Preliminary report.

Let  $(Q, \mathfrak{m}, k)$  be a Henselian CM local ring of finite CM type. This implies there are only finitely many indecomposable totally acyclic complexes over  $Q$ . Using these complexes, we define a new classification scheme and explore how to use this scheme, in conjunction with a technique of approximation, to compare the properties of complexes over quotients of  $Q$ . (Received March 02, 2020)