TEST IDEALS IN RINGS WITH FINITELY GENERATED ANTI-CANONICAL ALGEBRAS

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ABSTRACT. Test ideals are subtle and important invariants for measuring singularities in positive characteristic and are heavily related to multiplier ideals. These are easiest to work with under the assumption that the ambient ring is quasi-Gorenstein or even just Q-Gorenstein. In this talk, we will review some of these results and discuss that many of the results extend proivded the anticanonical section ring is finitely generated. This is joint work with Alberto Chiecchio, Florian Enescu, and Karl Schwede.