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Andrew T Bydlon* (bydlon@math.utah.edu). *Restriction of Test Ideals to Hypersurfaces.*

In positive characteristic commutative algebra and algebraic geometry, the test ideal $\tau(R, \mathfrak{a}^t)$ is an important invariant yielding important information about the severity of the singularities of R and \mathfrak{a} simultaneously. In this talk, I demonstrate that the restriction of the test ideal to a general hypersurface is not in general equal to the the test ideal of the restriction, answering questions stemming from work of Hochster and Huneke. (Received February 21, 2017)