

1075-13-194      **Mel Hochster** and **Wenliang Zhang\*** ([w1zhang@umich.edu](mailto:w1zhang@umich.edu)). *Target elements and test ideals.*

An element  $r$  of a Noetherian domain  $R$  is called a target element if for every module-finite extension domain  $S$  of  $R$ , there is an  $R$ -linear map from  $S$  to  $R$  such that  $r$  is in the image. We will discuss some recent results on the ideal generated by target elements. This is a joint work with Mel Hochster. (Received August 29, 2011)