

1014-13-1462

**Bruce Olberding\*** (olberdin@nmsu.edu), Department of Mathematical Sciences, New Mexico State University, Las Cruces, NM 88003-8001. *On the integrally closed overrings of two-dimensional Noetherian domains.* Preliminary report.

Let  $D$  be a Noetherian domain of Krull dimension 2. A 1969 theorem of W. Heinzer states that every finite character intersection of rank one discrete valuation overrings of  $D$  (i.e. every Krull overring of  $D$ ) is Noetherian. We describe a class of integrally closed overrings of  $D$  that includes the overrings that are finite character intersections of arbitrary valuation overrings. (Received September 28, 2005)