1069-13-141 **Evan Houston*** (eghousto@uncc.edu), **Abdeslam Mimouni** and **Mi Hee Park**. *Noetherian domains which admit only finitely many star operations.*

We attempt to characterize Noetherian domains which admit only finitely many star operations. We succeed in reducing the problem to the case of local (Noetherian) one-dimensional domains (R, M). In the local case, it turns out to be somewhat natural to concentrate on the case where the R/M-vector space $(R : M)/M$ has dimension 3. In that case, $(R : M)$ is "often" a PID, and we are able to count the number of star operations on R precisely. (Received January 20, 2011)