1078-03-388 **Clifton F Ealy** and **Jana Marikova*** (j-marikova@wiu.edu). *Definable sets in o-minimal fields with convex subrings.*

We let R be an o-minimal field, V a convex subring, and k the corresponding residue field with structure induced from R. Towards answering the question whether the (first order axiomatisable) class of structures (R,V) for which k is o-minimal is a useful generalization of the T-convex case, we show that if k is o-minimal, then the structure on the residue field induced from (R,V) is also o-minimal. Together with a result by Hasson and Onshuus this yields stable embeddedness of the residue field in (R,V). This is joint work with Clifton Ealy. (Received December 13, 2011)