

1096-14-1961 **Joseph A Ross*** (josephr@usc.edu) and **Eric M Friedlander**. *Intersection theory on singular varieties*. Preliminary report.

We introduce some ideas from motivic cohomology into the study of singular varieties. Our approach is modeled on the intersection homology of Goresky-MacPherson; our goal is to intersect cycles on a stratified singular variety provided the cycles do not meet the strata too badly. We define "perverse" analogues of Chow groups and motivic cohomology. Properties include homotopy invariance, a localization theorem, and a splitting theorem. As a consequence we obtain pairings between certain "perverse" cycle groups on a singular variety. (Received September 16, 2013)