

1135-13-2851 **Kevin Bombardier*** (kevin-bombardier@uiowa.edu). *Atoms in Quasi-local Atomic Domains*. Preliminary report.

We consider quasi-local integral domains (R, M) in which every nonzero nonunit is a finite product of irreducible elements, also called atoms, and usually with a finite number of non-associate atoms. We discuss several results concerning the number of non-associate atoms, the number of non-associate atoms not in M^2 , and the number of generators of M . (Received September 26, 2017)