

1135-13-2011 **Cory H Colbert*** (cc6@williams.edu). *Results concerning the spectrum of Noetherian rings*. Preliminary report.

Given a commutative ring R , it is easy to produce a partially ordered set from it by considering $\text{Spec } R$ with the inclusion relations. We are concerned with the reverse direction: if U is a partially ordered set, when is U the spectrum of some Noetherian commutative ring R ? We present some classical results in this area as well as some new classifications. (Received September 25, 2017)