## 1024-13-48Jason Green Boynton\* (jason.boynton@ndsu.edu), 300 Minard Hall, P.O. Box 5075, Fargo,<br/>ND 58103. Pullbacks of Arithmetical Rings.

We give necessary and sufficient conditions that the pullback of a conductor square be a chain ring (that is, a ring whose ideals are totally ordered by inclusion). We also give necessary and sufficient conditions that the pullback of a conductor square be an arithmetical ring (that is, a ring which is locally a chain ring at every maximal ideal). For any integral domain D with field of fractions K, we characterize all Prfer domains R between D[X] and K[X] such that the conductor C of K[X] into R is non-zero. As an application, we show that for n&#8805;2, such a ring R has the n-generator property (every finitely generated ideal can be generated by n elements) if and only if R/C has the same property. (Received December 13, 2006)