

1106-13-1730      **Mark Batell\*** (mbatell@uco.edu). *Factorization in Mori Domains*. Preliminary report.

Let  $R$  be an integrally closed Mori domain. It is well-known in this case that  $R^*$ , the complete integral closure of  $R$ , is a Krull domain. Therefore, it is natural to ask whether certain factorization properties of  $R$  can be ascertained by passing to the complete integral closure  $R^*$ . For example, using this strategy we can show that if  $R$  is an integrally closed Mori domain, then  $R$  is a BFD. Also,  $R$  is an FFD if and only if  $U(R) = U(R^*)$ . (Received September 15, 2014)