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**Peter A Cholak\*** (cholak@nd.edu) and **Charlie McCoy** (mccoy@up.edu). *Effective Prime Uniqueness.*

Assuming the obvious definitions we show that a decidable model that is effectively prime is also effectively atomic. This implies that two effectively prime (decidable) models are computably isomorphic. This is in contrast to the theorem that there are two atomic decidable models which are not computably isomorphic. One corollary of the proof is that the prime uniqueness theorem holds in  $\text{RCA}_0$ . (Received July 17, 2015)