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**Mohsen Gheibi\***, 411 S. Nedderman Dr., 445 Pickard Hall, Arlington, TX 76019. *On the structure of large homomorphisms of local rings.*

Levin in 1980 introduced the notion of the large homomorphisms of local rings. Recall that a surjective homomorphism  $f : R \rightarrow S$  of local rings is called *large* if the induced homomorphism of graded algebras  $\mathrm{Tor}_R(k, k) \rightarrow \mathrm{Tor}_S(k, k)$  is surjective. In this talk, I give a characterization of large homomorphisms over complete intersections. Also, I will address examples and ongoing open questions. (Received August 24, 2018)