

On the lattice of ring epimorphisms

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Abstract: Given a ring R , the ring epimorphisms $R \rightarrow S$ form a complete lattice which encodes important ring theoretic and representation theoretic information on R . We will discuss and compare some constructions of ring epimorphisms, focussing in particular on the case when R is hereditary or commutative noetherian.

The talk is based on joint work with Frederik Marks, Jan Šťovíček, Ryo Takahashi, and Jorge Vitória.