

## THE TRANSFER OF THE KRULL DIMENSION AND THE GABRIEL DIMENSION TO SUBIDEALIZERS\*: ERRATUM

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In Lemma 1.3(i) we claim that the canonical map  $f: AM \rightarrow AM \otimes_R T$  is an isomorphism, where  $A$  denotes a right  $R$ -module and  $R$  is a subidealizer of an idempotent right ideal  $M$  of a ring  $T$ . While it remains true that  $f$  is an epimorphism, its inverse, the multiplication "map"  $m: AM \otimes_R T \rightarrow AMT$ , may not be defined; for  $AMT$  is defined only when  $AM$  embeds in a right  $T$ -module.

The isomorphism property of  $f$  is used in the proofs of Lemma 1.3(ii), Proposition 1.4, and Proposition 2.3. All these results can be recovered. In 1.3(ii) the module  $A_R$  is flat, and this together with the diagram on p. 877 forces  $f$  to be a monomorphism. Rather than equalities, only the inequalities

$$G\text{-dim } (AM)_R \cong G\text{-dim } (AM \otimes_R T)_R$$

and

$$K\text{-dim } (AM)_R \cong K\text{-dim } (AM \otimes_R T)_R$$

are needed in the proofs of Propositions 1.4 and 2.3, respectively; these inequalities are immediate consequences of  $f$  being an epimorphism.

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