ERRATUM TO VOLUME 39


In [3, p. 490] it was asserted that the universal Steinberg symbol functor $Us$ was a functor of finite type; that is, commutes with finite products and arbitrary direct limits. As W. van der Kallen, H. Maazen and J. Steinstra have observed, however, $Us(\mathbb{Z}/2\mathbb{Z} \times \mathbb{Z}/3\mathbb{Z})$ is nontrivial while $Us(\mathbb{Z}/2\mathbb{Z}) \times Us(\mathbb{Z}/3\mathbb{Z})$ is trivial. Thus the proof of [3, Corollary 3(c), p. 490], which asserts that $K_2 R$ equals $Us(R)$ for a commutative von Neumann regular ring $R$, is incorrect.

However, as van der Kallen et al. observe, the functor based on the relations (H1)–(H5) of [2, p. 283] (1) is of finite type and (2) agrees with $K_2$ for fields, and thus by [3, Proposition 2, p. 490] agrees with $K_2$ for commutative von Neumann regular rings. A simplified description of the functor and proofs of the assertions will appear in [1].

REFERENCES


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Received by the editors May 23, 1974.