

ERRATUM FOR  
“GALOIS ALGEBRAS, HASSE PRINCIPLE,  
AND INDUCTION–RESTRICTION METHODS”  
CF. DOCUMENTA MATH. 16 (2011), 677–707

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ABSTRACT. This is a correction to [BP 11] E. Bayer–Fluckiger, R. Parimala, Galois algebras, Hasse principle and induction–restriction methods, *Documenta Math.* 16 (2011), 677–707.

Theorem 3.5 of [BP 11] is not correct as stated, and should be replaced by

THEOREM. *Let  $V$  be a  $k[G]$ –module that is a finite dimensional  $k$ –vector space, and let  $E = \text{End}(V)$ . Let  $R_E$  be the radical of  $E$ , and set  $\overline{E} = E/R_E$ . Suppose that all the orthogonal components of  $\overline{E}$  are split, and let  $(V, q), (V, q')$  be two  $G$ –forms. Then  $q \simeq_G q'$  over  $k$  if and only if  $q \simeq_G q'$  over all the completions of  $k$ .*

This is proved in [BPN 13], Theorem 2.1. Note however that very few changes are needed in [BP 11]. Indeed, Theorem 3.5 and its proof are correct when  $k[G]$  is semi–simple, and this is the only case that is used in the sequel of [BP 11].

BIBLIOGRAPHY

[BP 11] E. Bayer–Fluckiger, R. Parimala, Galois algebras, Hasse principle and induction–restriction methods, *Documenta Math.* 16 (2011), 677–707.

[BPN 13] E. Bayer–Fluckiger, B. Nivedita and R. Parimala, Hasse principle for  $G$ –quadratic forms, *Documenta Math.* 18, 383–392 (2013),

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