

Cohen, M.; Montgomery, S.

Addendum to: Group-graded rings, smash products, and group actions. (English)

Zbl 0616.16001

Trans. Am. Math. Soc. 300, 810-811 (1987).

In this addendum, the authors give an alternate (shorter) proof of the fact that for a finite group G and G -graded ring A , the graded Jacobson radical is contained in the Jacobson radical. As well, they correct the statements of Theorem 2.10 and Corollary 2.13 of the original paper [ibid. 282, 237–258 (1984; Zbl 0533.16001)].

Reviewer: Margaret Beattie (Sackville)

MSC:

- 16W50 Graded rings and modules (associative rings and algebras)
- 16Nxx Radicals and radical properties of associative rings
- 16W30 Hopf algebras (associative rings and algebras) (MSC2000)
- 46L40 Automorphisms of selfadjoint operator algebras
- 16Dxx Modules, bimodules and ideals in associative algebras
- 16S34 Group rings
- 16W20 Automorphisms and endomorphisms

Cited in **1** Review
Cited in **6** Documents

Keywords:

skew group ring; smash product; G -graded algebras; prime radical; Hopf algebra; duality theorem for coactions; prime ideals; incomparability; graded Jacobson radical

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