

GROUP GRADED BIMODULES OVER A COMMUTATIVE G -RING

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Abstract. In this paper we discuss G -graded algebras and G -acted algebras and Morita equivalences over a commutative G -ring Z . We also associate a central simple G -graded algebra over Z to a character of a strongly G -graded algebra over a field of characteristic zero.

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Key words. Group graded algebras, G -algebras, Morita equivalence, characters, central simple algebras.

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