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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