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On Reduced and Semicommutative Modules

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**Abstract:** In this paper, various results of reduced and semicommutative rings are extended to reduced and semicommutative modules. In particular, we show: (1) For a principally quasi-Baer module,  $M_R$  is semicommutative if and only if  $M_R$  is reduced. (2) If  $M_R$  is a p.p.-module then  $M_R$  is nonsingular.

**Key Words:** Reduced Rings (Modules), Baer, quasi-Baer and Rings (Modules)

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