A Study on Some Properties of Graded Modules and Applications

By

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Abstract

Al-Qudah, Manar Abed Al-Kareem Al-Qudah. (A study on some Properties of Graded modules and Applications), mathematics, 2004. (advisor: pf. M. AL-Refa). Let $G$ be a group with identity $e$ and $R$ be a $G$-graded ring with unity $1$. In this thesis we study graded and ungraded Noetherian Modules. Also, we study semigroup graded rings and their applications as graded Jacobson radical and introduce useful results concerning this topics.