Characterization of Monoids by a New Generalization of Flatness Property

Authors : Mahdiyeh Abbasi, Akbar Golchin

Abstract : It is well-known that, using principal weak flatness property, some important monoids are characterized, such as regular monoids, left almost regular monoids, and so on. In this article, we define a generalization of principal weak flatness called GP-Flatness, and will characterize monoids by this property of their right (Rees factor) acts. Also we investigate new classes of monoids called generally regular monoids and generally left almost regular monoids.