

1161-13-147

Simplice Tchamna* (simplice.tchamna@gcsu.edu), 231 W. Hancock Street, Box 017,
Milledgeville, GA 31061. *Some results on the star-hash property for ring extensions.*

we give the definition of a ring extension having the star-hash property. We study the hash-star property in pullback diagrams of type \square . A characterization of Prüfer extensions having the star-hash property with respect to star operations of finite type is given. We investigate condition under which the extension $R[X] \subseteq S[X]$ has the β -hash property given that the extension $R \subseteq S$ has the α -hash property, where X is an indeterminate over S , and α, β are strict star operations of finite type on $R \subseteq S$ and on $R[X] \subseteq S[X]$, respectively. (Received August 15, 2020)