

## عنوان مقاله:

On generalized Jordan  $\ast$ -derivations with associated Hochschild  $\ast$ - $\gamma$ -cocycles

## محل انتشار:

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## خلاصه مقاله:

In this paper, we introduce the notions of generalized  $\ast$ -derivations, generalized Jordan  $\ast$ -derivations and Jordan triple  $\ast$ -derivations with the associated Hochschild  $\ast$ - $\gamma$ -cocycles and then it is proved that if  $\mathcal{R}$  is a prime  $\ast$ -ring and  $f: \mathcal{R} \rightarrow \mathcal{R}$  is a nonzero generalized  $\ast$ -derivation with an associated Hochschild  $\ast$ - $\gamma$ -cocycle  $\beta$ , then  $\mathcal{R}$  is commutative. Some other results regarding generalized Jordan  $\ast$ -derivations are also established.

## کلمات کلیدی:

$\ast$ -derivation, generalized Jordan  $\ast$ -derivation, Hochschild  $\ast$ - $\gamma$ -cocycle,  $\ast$ -ring, prime (semiprime) ring

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1739964>

