

عنوان مقاله:

Local automorphisms of  $n$ -dimensional naturally graded quasi-filiform Leibniz algebra of type I

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خلاصه مقاله:

The notions of a local automorphism for Lie algebras are defined as similar to the associative case. Every automorphism of a Lie algebra  $\mathcal{L}$  is a local automorphism. For a given Lie algebra  $\mathcal{L}$ , the main problem concerning these notions is to prove that they automatically become an automorphism or to give examples of local automorphisms of  $\mathcal{L}$ , which are not automorphisms. In this paper, we study local automorphisms on quasi-filiform Leibniz algebras. It is proved that quasi-filiform Leibniz algebras of type I, as a rule, admit local automorphisms which are not automorphisms.

کلمات کلیدی:

Automorphisms, Leibniz algebras, Local automorphisms, Nilpotent algebras

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