

Classification of a subclass of low-dimensional complex filiform Leibniz algebras.

ABSTRACT

We give a complete classification of a subclass of complex filiform Leibniz algebras obtained from naturally graded non-Lie filiform Leibniz algebras. The isomorphism criteria in terms of invariant functions are given.

Keyword: Adapted basis; Filiform leibniz algebra; Invariant; Isomorphism.