Inner Derivations of Low-Dimensional Diassociative Algebras

Authors : M. A. Fiidow, Ahmad M. Alenezi

Abstract : In this work, we study the inner derivations of diassociative algebras in dimension two and three, an algorithmic approach is adopted for the computation of inner derivation, using some results from the derivation of finite dimensional diassociative algebras. Some basic properties of inner derivation of finite dimensional diassociative algebras are also provided.

Keywords : diassociative algebras, inner derivations, derivations, left and right operator
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