TRIPLE DERIVATIONS OF SEMIPRIME RINGS

K. SUVARNA AND D. S. IRFANA

Abstract

In this paper, we prove that if d is a Jordan derivation of a semiprime ring R, then d is a quarter derivation. Using this, we show that d is a triple derivation. Also we prove that if R is a semiprime ring of char. $\neq 2$ and d acts as a homomorphism on R, then d is a central derivation.

_____