

ON IDEALS AND (θ, θ) HIGHER LEFT DERIVATIONS

ABDULLAH ASSIRY

Received October 30,2021

Abstract. Let R be a 2-torsion free prime ring and I be a non-zero ideal of R . Let θ be an automorphism of R . We will show that the existence of a non-zero Jordan (θ, θ) higher left derivation on an ideal of R implies that $I \subseteq Z(R)$.