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
(σ, τ) - LIE IDEALS IN PRIME RINGS WITH DERIVATION

of

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Mathematics

Abstract: Let R be a prime ring, $\text{char } R \neq 2, 3$, $\sigma, \tau : R \rightarrow R$ two automorphisms, U a nonzero (σ, τ) - Lie ideal of R and $d : R \rightarrow R$ a derivation such that $\sigma d = d\sigma$, $\tau d = d\tau$. In this paper we have proved the following results. (1) If $d(U) \subseteq Z$ then $U \subseteq Z$ (2) If $d(U) \subseteq U$ and $d^2(U) \subseteq Z$ then $U \subseteq Z$.

 [Keywords](#)
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