JORDAN LEFT DERIVATIONS AND SOME LEFT DERIVABLE MAPS

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Abstract. Let $\mathcal{A}$ be an algebra and $\mathcal{M}$ be a left $\mathcal{A}$-module. We say that a linear mapping $\varphi : \mathcal{A} \rightarrow \mathcal{M}$ is a left derivable mapping at $P$ if $\varphi(ST) = S\varphi(T) + T\varphi(S)$ for any $S, T \in \mathcal{A}$ with $ST = P$. In this paper, we show that Jordan left derivations or left derivable mappings at zero or unit on some algebras are zero under certain conditions.


Keywords and phrases: Left derivation, Jordan left derivation, left derivable mapping at zero point or unit.

REFERENCES