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خلاصه مقاله:

Let R be a prime ring, I be any nonzero ideal of R and $f:I\rightarrow R$ be an additive map. Then skew-Engel condition $\langle ... \langle \langle f(x),x^{n_1} \rangle, x^{n_2} \rangle, ..., x^{n_k} \rangle = 0$ implies that $f(x) = 0 \ \forall \, x \in I$ provided $2 \neq char(R) > n_1 + n_2 + ... + n_k$, where $n_1, n_2, ..., n_k$ are natural numbers. This extends some existing results. In the end, we also generalise this result in the setting of MA-semirings

كلمات كليدى:

Additive map, prime ring, semiprime ring, MA-semiring