

عنوان مقاله:

On the additive maps satisfying Skew-Engel conditions

محل انتشار:

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نویسندگان:

M. Nadeem - Department of Mathematics, Government College University, Lahore, Pakistan

M. Aslam - Department of Mathematics, Government College University, Lahore, Pakistan

Y. Ahmed - Department of Mathematics, Government College University, Lahore, Pakistan

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 $\langle x, x^{n_1} \rangle \langle x, x^{n_2} \rangle \langle x, x^{n_3} \rangle \dots \langle x, x^{n_k} \rangle = 0$ implies that $f(x) = 0$ for all $x \in I$ provided $\text{char}(R) \neq n_1 + n_2 + \dots + n_k$, where n_1, n_2, \dots, n_k are natural numbers. This extends some existing results. In the end, we also generalise this result in the setting of MA-semirings

کلمات کلیدی:

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

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