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Endomorphisms and Derivations in prime ring with involution

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Abstract

The main goal of this paper is to study certain algebraic identities satisfied by Hermitian elements that arise from additive mappings in prime rings equipped with an involution. In particular, we aim to extend results concerning the interaction between endomorphisms or derivations and Hermitian elements. Furthermore, special attention is given to the behavior and structural properties of a fixed element « a » within prime rings, especially with regard to its influence on the ring.

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