

عنوان مقاله:

Study of the structure of quotient rings satisfying algebraic identities

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خلاصه مقاله:

Assuming that \mathcal{R} is an associative ring with prime ideal P , this paper investigates the commutativity of the quotient ring \mathcal{R}/P , as well as the possible forms of generalized derivations satisfying certain algebraic identities on \mathcal{R} . We give results on strong commutativity, preserving generalized derivations of prime rings, using our theorems. Finally, an example is given to show that the restrictions on the ideal P are not superfluous.

کلمات کلیدی:

Generalized derivations, prime ideals, Prime rings

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