

MODULE AND GENERALIZED MODULE LEFT (m, n) -DERIVATIONS

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Abstract. Fošner [3, 4] defined a module left (m, n) -derivation and a generalized module left (m, n) -derivation and proved the Hyers-Ulam stability of module left (m, n) -derivations and generalized module left (m, n) -derivations.

In this note, we investigate the properties of module left (m, n) -derivation and generalized module left (m, n) -derivation. Furthermore, we prove that every module left (m, n) -derivation in C^* -algebras is a zero mapping and that every generalized module left (m, n) -derivation in C^* -algebras is a zero mapping.

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