

PARTITIONED FUNCTIONAL INEQUALITIES IN BANACH MODULES AND APPROXIMATE ALGEBRA HOMOMORPHISMS

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Abstract. We prove the generalized Hyers-Ulam-Rassias stability of partitioned functional equations in Banach modules over a unital C^* -algebra. It is applied to show the stability of algebra homomorphisms between Banach algebras associated with partitioned functional equations in Banach algebras.

Mathematics subject classification (2000): 47J05, 39B82, 46L05.

Key words and phrases: Stability, partitioned functional inequality, approximate algebra homomorphism, Banach module over C^* -algebra.

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