

ON THE STABILITY OF HOMOMORPHISMS IN QUASI-BANACH ALGEBRAS ASSOCIATED TO THE PEXIDERIZED JENSEN FUNCTIONAL EQUATION

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Abstract. In this paper, we prove the Hyers-Ulam-Rassias stability of homomorphisms in quasi-Banach algebras associated to the Pexiderized Jensen functional equation. This is applied to investigate homomorphisms between quasi-Banach algebras. The concept of Hyers-Ulam-Rassias stability originated from the Th. M. Rassias' stability theorem that appeared in the paper: On the stability of the linear mapping in Banach spaces, Proc. Amer. Math. Soc. **72** (1978), 297-300.

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