

## A GENERALIZATION OF HYERS–ULAM–RASSIAS STABILITY OF THE $G$ -FUNCTIONAL EQUATION

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*Abstract.* We investigate a generalization of the Hyers-Ulam-Rassias stability for the gamma type functional equation  $f(x+p) = \Gamma(x)f(x) + \psi(x)$  and the stability in the sense of Ger for the functional equation of the form  $f(x+p) = \Gamma(x)f(x)$ . As a consequence, we obtain a stability result in the sense of Hyers-Ulam-Rassias for  $G$ -functional type equations.

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