

STABILITY OF THE GENERALIZED ARUN-ADDITIVE FUNCTIONAL EQUATION IN INTUITIONISTIC FUZZY NORMED SPACES

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Abstract

In this paper, the authors investigate the Generalized Hyers-Ulam- Aoki-Rassias stability of the generalized Arun-additive functional equation

$$f(qx \pm y \pm z) = f(x \pm y) + f(x \pm z) + (q - 2)f(x), q \geq 2$$

in the setting of intuitionistic fuzzy normed spaces.

Key Words : *Additive functional equation, Generalized Hyers-Ulam-Aoki-Rassias stability, Intuitionistic fuzzy normed spaces.*

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