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FUZZY STABILITY OF A 2- VARIABLE QUADRATIC FUNCTIONAL EQUATION

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Abstract

In this paper, the authors discussed the generalized Hyers-Ulam- Aoki-Rassias stability of a 2- variable quadratic functional equation

$$f(x + y, z + w) + f(x - y, z - w) = 2f(x, z) + 2f(y, w)$$

in fuzzy normed space.

Key Words and Phrases : *Fuzzy normed space, 2 variable quadratic function, Generalized Hyers-Ulam-Aoki-Rassias stability.*

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