

STABILITY OF A EULER - LAGRANGE QUADRATIC FUNCTIONAL EQUATION IN FUZZY NORMED SPACES

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Abstract

In this paper, the authors investigate the generalized Hyers-Ulam- Aoki-Rassias stability of a Euler-Lagrange quadratic functional equation

$$f(ax + by) + f(ax - by) = b^2 f(x + y) + b^2 f(x - y) + 2(a^2 - b^2)f(x)$$

in fuzzy normed space.

Key Words : *Fuzzy normed space, Quadratic function, Generalized Hyers-Ulam-Aoki-Rassias stability.*

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