عنوان مقاله:

THE GENERALIZED HYERS-ULAM STABILITY OF SEXTIC FUNCTIONAL EQUATION IN VARIOUS MATRIX SPACES

محل انتشار:

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خلاصه مقاله:

Using the fixed point method, we prove the generalized Hyers-Ulam stability of the following generalized sextic functional equation Df (x, y):= f (mx+ y) +f (mx- y) +f(x+ my) +f(x- my) - (m4+ m2) [f(x+ y) +f(x- y)] - 2(m6- m4- m2+ 1) [f(x) + f(y)] in matrix fuzzy normed spaces. Furthermore, using the fixed point method, we also prove the Hyers-Ulam .stability of the above functional equation in matrix random normed spaces

کلمات کلیدی:

Hyers-Ulam stability, fixed point method, matrix fuzzy normed space, matrix random normed spaces, sextic functional equation

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