Stability of k-Tribonacci Functional Equation in Non-Archimedean Space

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Abstract

Throughout this paper, we investigate the Hyers-Ulam stability of k-Tribonacci functional equation if \( (k, x) = k f(k, x - 1) + f(k, x - 2) + f(k, x - 3) \) in the class of functions \( f : \mathbb{N} \times \mathbb{R} \rightarrow X \) where \( X \) is real non-archimeadean Banach space.

References


Index Terms

Computer Science Networks
Keywords

Hyers-Ulam Stability, Real Non-archimedean Banach Space, k-Tribonacci functional equation.