
Summary: The objective of this paper is to solve an optimal solutions for new nonlinear mapping in the setting of metric spaces. Our results extend, generalize, and improve some known results from best proximity point theory and fixed point theory. Examples are given to support our main results.

MSC:

41A50  Best approximation, Chebyshev systems
47H10  Fixed-point theorems
54H25  Fixed-point and coincidence theorems (topological aspects)

Keywords:
proximal; $C_n$-contraction mapping

Full Text: DOI

References:

[20] Kumam, P; Aydi, H; Karapinar, E; Sintunavarat, W, Best proximity points and extension of Mizoguchi-Takahashi's fixed point theorems, No. 2013, (2013) · Zbl 1381.47040


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