

**BEST PROXIMITY POINT THEOREMS OF CYCLIC ϕ -
CONTRACTION MAPPINGS ON UNIFORMLY CONVEX AND
REFLEXIVE BANACH SPACES**

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Abstract

We generalize Theorem 3.13 [4] using p -cycle ϕ -contraction map instead of Meir Keeler type and provide a positive answer to a question raised by Al-Thagafi et al. [5] about best proximity points of cyclic ϕ - contractions on reflexive Banach spaces.

Key Words: Best proximity point, fixed point, cyclic ϕ -contractions metric space, Banach space.

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