



**CONVERGENCE THEOREMS OF THREE STEP ITERATION
PROCESSES WITH ERRORS FOR MULTIVALUED
MAPPINGS IN UNIFORMLY CONVEX
BANACH SPACES**

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Abstract

In this paper, we propose a new three-step iteration for three quasi-nonexpansive multi-valued mappings in uniformly convex Banach space. Strong convergence theorems of the proposed iterations to a common fixed point of three quasi-nonexpansive multi-valued maps in uniformly convex Banach spaces are established. Our results extend and improve the recent results in literature.

Keywords and phrases: common fixed points, multi-valued mappings, quasi nonexpansive, Banach space.

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