

FIXED POINT THEOREMS FOR ASYMPTOTICALLY
NONEXPANSIVE MAPPINGS IN UNIFORMLY CONVEX
BANACH SPACES

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Abstract. In this paper we obtain strong and weak convergence theorems for the Mann type doubly sequence iteration process with errors using asymptotically nonexpansive mappings in uniformly convex Banach spaces. Our new results improve, generalize and extend some recent results (see e.g. [6], [7] and [19]).

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