CONVERGENCE OF MANN’S ITERATION FOR RELATIVELY NONEXPANSIVE MAPPINGS

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Abstract. We consider the Mann’s iterative process to approximate the fixed points and best proximity points of a relatively non-expansive mapping \( T : A \cup B \to A \cup B \), satisfying \( \|Tx - Ty\| \leq \|x - y\| \) \( \forall x \in A, y \in B \). These mappings need not be continuous.

Key Words and Phrases: Von Neumann sequences, relatively nonexpansive mappings, best proximity points, fixed points.

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REFERENCES


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