

ON EQUIVALENCE BETWEEN CONVERGENCE OF ISHIKAWA—MANN AND NOOR ITERATIONS

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Abstract. In this paper, we prove the equivalence of convergence between the Mann–Ishikawa–Noor and multistep iterations for Φ –strongly pseudocontractive and Φ –strongly accretive type operators in an arbitrary Banach spaces. Results proved in this paper represent an extension and refinement of the previously known results in this area.

Mathematics subject classification (2010): 47H09, 47H10, 47H15.

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