SOME REMARKS ON THE PAPER “SOME FIXED POINT GENERALIZATIONS ARE NOT REAL GENERALIZATIONS”

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Abstract. In this short paper we show that the results obtained by using the axiom of choice in [R.H. Haghi, Sh. Rezapour and S. Naseer: Some fixed point generalizations are not real generalizations, Nonlinear Anal., 77(2011), 1799-1803], [N. Hussain, A. Latif and M.H. Shah: Coupled and tripled coincidence point results without compatibility, Fixed Point Theory Appl., 2012, 2012:77] and [B.K. Bisht, M. Jain and S. Kumar: Erratum to: Common fixed point theorems for expansion mappings in various spaces, Acta Math. Hungar., 146(2015), No. 1, 261-264] are weaker than the ones obtained without axiom of choice. Furthermore, we claim that all known results with two self-maps \( f, g : X \to X \) satisfying \( f(X) \subseteq g(X) \) do be genuine generalizations of the results with one self-map \( f : X \to X \).

REFERENCES

Some remarks on the paper “Some fixed point generalizations are not real generalizations”


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