SOME RANDOM FIXED POINT THEOREMS WITH PPF DEPENDENCE FOR WEAKLY CONTRACTIVE RANDOM OPERATOR

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Abstract. In this paper, the fixed point theorem for weakly contraction proved by Rhoades [Nonlinear Anal. 47 (4) (2001), 2683–2693] will be extended for the random case with PPF dependence. By the constructive method, the result is proved and an application of this theorem for random equation is given.

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