

FIXED POINTS SET FUNCTION OF NONEXPANSIVE RANDOM MAPPING ON METRIC SPACES

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Abstract. We prove that the set of random fixed points of a nonexpansive random map on a uniformly convex complete separable metric space is nonempty. We also show that the fixed point set function of a nonexpansive random map is closed and convex valued.

Mathematics subject classification (2000): 47H40, 47H09, 47H10, 54H25, 60H25.

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