Dedicated to Professor Emeritus Ioan A. Rus on the occasion of his 80th anniversary

Caristi's random fixed point theorem for generalized distance on Polish spaces

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ABSTRACT.

In this paper, we present the random version of generalized Caristi's fixed point theorem for generalized distance on Polish spaces. Moreover, we prove some Caristi's random fixed point theorems for multi-valued mappings on Polish spaces. Our results in this paper extend and improve some known results in the literature.

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