

A FIXED POINT THEOREM FOR CARISTI-TYPE CYCLIC MAPPINGS

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Abstract. We discuss two results for Caristi-type cyclic mappings due to Du and Karapinar [3]. We show that they can be deduced from our best proximity point theorem. Our result can be regarded as a generalized result of a fixed point theorem proved by Bollenbacher and Hicks [1] in the setting of cyclic mappings.

Key Words and Phrases: Best proximity point, fixed point, Caristi-type cyclic mapping, orbitally lower semicontinuity.

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