

## A GENERALIZATION OF THE CARISTI FIXED POINT THEOREM IN METRIC SPACES

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**Abstract.** We provide the existence either of fixed points and of contractive fixed points in not necessarily complete metric spaces. As a consequence, we state a Caristi type fixed point theorem and generalize a fixed point theorem of [7].

**Key Words and Phrases:** Fixed point theorem, contractive fixed point, Caristi fixed point theorem, partially complete graph, equivalent Cauchy sequences.

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