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Zead Mustafa* (zead@qu.edu.qa), Department of Mathematics, Statistics and Phy, Doha, 2713, Qatar, and **M.M.M. Jaradat** and **Erdal Karapınar**. *A new fixed point result via property P with an application.*

Abstract

The purpose of this paper is to introduce a new contractive condition. We prove the existence and uniqueness of a fixed point of self-mapping under this new contractive condition. Moreover, we observe analog of these results for the mappings that satisfy the property P. An application on integral equations is presented to illustrate the main result. Our results extend and generalize well-known results in the literature. (Received August 31, 2018)