

A New Fixed Point Theorem for Almost θ -Contraction

Authors : Hichem Ramoul

Abstract : In this work, we introduce a new type of contractive maps and we establish a new fixed point theorem for the class of almost θ -contractions (more general than the class of almost contractions) in a complete generalized metric space. The major novelty of our work is to prove a new fixed point result by weakening some hypotheses imposed on the function θ which will change completely the classical technique used in the literature review to prove fixed point theorems for almost θ -contractions in a complete generalized metric space.

Keywords : almost contraction, almost θ -contraction, fixed point, generalized metric space

Conference Title : ICSRD 2020 : International Conference on Scientific Research and Development

Conference Location : Chicago, United States

Conference Dates : December 12-13, 2020