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A New Fixed Point Theorem for Almost θ-Contraction

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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

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