

SOME FIXED POINT THEOREMS IN COMPLETE METRIC SPACES

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Abstract

Rhoades [1] summarized contractive mapping of different types and discussed on their fixed-point theorems. He considered many types of mappings and analyzed the relationship amongst them. These types of mappings are based on 25 types, where $d(Tx, Ty)$ is governed by, $d(x, y)$, $d(x, Tx)$, $d(y, Ty)$, $d(x, Ty)$, $d(y, Tx)$.

In this paper we are discussing the mappings, which are not discussed by Rhohdodes [1] the so-called expansion maps. In a paper Wang, Gao, and Iseki [2] proved that

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