FIXED POINT THEOREMS ON d_p - COMPLETE TOPOLOGICAL SPACES

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Abstract

For any integer $p \geq 2$ we define d_p - complete topological spaces. A d_2 - complete topological space is a generalized d-complete topological space introduced by Troy L. Hicks. Certain fixed point theorems for self-maps of d_p - complete topological spaces are established in this paper. Also several fixed point theorems proved by earlier researchers are shown as particular cases of our results.

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