

Dedicated to Costică MUSTĂŢA on his 60th anniversary

FIXED POINTS FOR NON-SURJECTIVE EXPANSION MAPPINGS SATISFYING AN IMPLICIT RELATION

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Abstract. A general fixed point theorem for four non-surjective expansion mappings satisfying an implicit relation which generalize Theorem 4.1 of [7] is proved.

MSC: 54H10, 54H25.

Keywords and phrases: d-complete topological spaces, semi-compatible mappings, implicit relations.