

LEFSCHETZ FIXED POINT THEOREMS FOR COMPACT MORPHISMS

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Dedicated to Professor Ioan A. Rus on the occasion of his 70th birthday

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Abstract. The Lefschetz fixed point theorem is extended to compact morphisms defined on admissible subsets of a Hausdorff topological space. Also using the projective limit approach we present new Lefschetz fixed point theorems for compact morphisms defined on PRLF's or CPRLF's.

Key Words and Phrases: compact morphisms, Hausdorff topological space, projective limit approach, Lefschetz fixed point theorem.

2000 Mathematics Subject Classification: 47H10.

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Received: May 9, 2006; Accepted: May 26, 2006.