

FIXED POINT THEOREMS ON ADMISSIBLE MULTIRETRACTS APPLICABLE TO DYNAMICAL SYSTEMS

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Abstract. The aim of this paper is to present new fixed point theorems which can be used in the theory of dynamical systems. The main novelty consists especially in the fact that non-metric versions of these theorems are formulated. In the metric case, we give some simple applications to differential equations.

Key Words and Phrases: Admissible multiretracts, noncompact maps, Lefschetz number, Nielsen number, fixed points.

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