

Degree of Nondensifiability and Applications

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Abstract

In this talk we introduce the notion of degree of nondensifiability and its relationship with the measure of noncompactness. Some applications to the fixed point theory and the study of initial and boundary value problems for fractional differential equations are presented.

Mathematics Subject Classification : 34B15, 34G20.

Keywords : Degree of nondensifiability, measure of noncompactness, fixed point, space-filling curves, continuum, alpha-dense curves, and fractional differential equations.

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