

SELECTION THEOREM IN L^1

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Abstract

Let F be a multifunction from a metric space X into L^1 , and B a subset of X . We give sufficient conditions for the existence of a measurable selector of F which is continuous at every point of B . Among other assumptions, we require the decomposability of $F(x)$ for $x \in B$.

Keywords: multifunction, measurable selector, continuous selector, decomposable set.

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