SELECTIONS AND COMMON FIXED POINTS FOR SOME MULTIVALUED MAPPINGS

ALINA SÎNTĂMÂRIAN

Department of Mathematics
Technical University of Cluj-Napoca
Str. C. Daicoviciu Nr. 15, 400020
Cluj-Napoca, Romania
E-mail: Alina.Sintamarian@math.utcluj.ro

Abstract. We prove that a multivalued operator which satisfies a contraction type condition of Latif-Beg type has a selection which is a Caristi type operator. Another purpose of this paper is to give a common fixed point theorem for two multivalued mappings defined on a closed ball of a complete metric space with values in the set of all nonempty and closed subsets of this space, mappings which satisfy a contraction type condition of Latif-Beg type.

Key Words and Phrases: Multivalued mapping, selection, fixed point, common fixed point.

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References


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