

Dedicated to Costică MUSTĂŢA on his 60th anniversary

THE EXISTENCE OF MAXIMAL ELEMENTS FOR A PAIR OF MULTIVALUED OPERATORS

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1. Introduction

The applications of the technique of the fixed point theory in the coincidence theory are well-known (see, for example, Browder [2], Rus [10], [11], Sessa-Mehta [12], Muntean-Petruşel [9] and others).

Also, the connection between the existence of the fixed points and the existence of the maximal elements of some multivalued operators has preoccupied numerous mathematicians (see Border [1], Mehta [4], [5], Muntean [7]).