Vector quasi-equilibrium problems for the sum of two multivalued mappings

Gábor Kassay, Mihaela Miholca and Nguyen The Vinh*

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Abstract

Starting from an earlier result of Kassay and Miholca, we study vector quasi-equilibrium problems for the sum of two multivalued bifunctions. The assumptions are required separately on each of these bifunctions. Sufficient conditions for the existence of solutions of such problems are shown in the setting of topological vector spaces. The results in this paper unify, improve and extend some well-known existence theorems in the literature.

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*Hanoi, Vietnam