MAXIMAL ELEMENTS AND PAIR OF GENERALIZED GAMES IN LOCALLY CONVEX TOPOLOGICAL VECTOR SPACES

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Abstract

In this paper we prove some existence theorem for pair of maximal elements for ψ condensing correspondences which are either L_c-majorized or u-majorized and whose domain are non-compact sets in locally convex topological vector spaces. As an application, we obtain an existence theorem of equilibrium points for one-person pair game from which an existence theorem of equilibrium points for an N-person pair game is derived. Finally, an existence theorem of equilibrium points of generalized pair games with any (countable or uncountable) set of players is given.

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