

Some classes of equilibrium problems

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Abstract

We intend to present some classes of vector equilibrium problems on standard and special spaces, studied by us in the last years. We shall also present the classes of nonlinear functionals used to define the framework for our problems (most of these satisfying different types of generalized convexity) and some properties of them. For the considered problems we shall give existence criteria based both on classical (like the KKM theorem for the finite-dimensional case and Ky Fan's lemma for the infinite dimensional one) and modern (for example Chowdhury-Tan theorems for the weighted case) fixed-point results.

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