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Best Proximity Pair Theorems for Multifunctions with Open Fibres

Let A and B be non-empty subsets of a locally convex topological vector space with a continuous seminorm p. Given a multifunction $T : AtoB$ with open fibres, best proximity pair theorems furnishing the sufficient conditions for the existence of an element $xinA$ such that $d(x, Tx) = d(A, B)$ (distance with respect to the seminorm p) are proved.