

## SOME APPLICATIONS OF A COLLECTIVELY FIXED POINT THEOREM FOR MULTIMAPS

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**Abstract.** In this paper, we consider some collectively fixed point theorems for a family of multimaps. As applications, we deduce two intersection theorems for sets with nonempty sections and then we deduce a Nash-Ma type equilibrium theorem.

**Key Words and Phrases:** Collectively fixed point, equilibrium, multimaps, variational inequalities.

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