## Mircea Balaj Admissible maps, intersection results, coincidence theorems

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**Abstract:** We obtain generalizations of the Fan's matching theorem for an open (or closed) covering related to an admissible map. Each of these is restated as a KKM theorem. Finally, applications concerning coincidence theorems and section results are given.

Keywords: acyclic map, convex space, matching theorem, coincidence theorem AMS Subject Classification: 47H10, 54H25, 54C60