

ON THE EXISTENCE OF SOLUTIONS TO PARETO AND WEAK QUASIVARIATIONAL INCLUSION PROBLEMS

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TÓM TẮT:

In this paper, we apply a version of Kakutani's fixed point theorem to study Pareto and weak quasivariational inclusion problems. Some sufficient conditions on the existence of solutions of Pareto and weak quasivariational inclusion problems with multivalued mappings are shown. As special cases, we obtain several results on the existence of solutions to Pareto and weak quasi-equilibrium problems, Pareto and weak quasi-optimization problems.