

## عنوان مقاله:

A New Weak Slater Constraint Qualification for Non-Smooth Multi-Objective Semi-Infinite Programming Problems

## محل انتشار:

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## خلاصه مقاله:

This paper addresses a non-smooth multi-objective semi-infinite programming problem that involves a feasible set defined by inequality constraints. Our focus is on introducing a new weak Slater constraint qualification and deriving the necessary and sufficient conditions for (weakly, properly) efficient solutions to the problem using (weak and strong) Karush-Kuhn-Tucker types. Additionally, we present two duals of the Mond-Weir type for the problem and provide (weak and strong) duality results for them. All of the results are given in terms of Clarke subdifferential

## کلمات کلیدی:

Semi-infinite programming, Multiobjective optimization, Constraint qualification, Optimality conditions

## لینک ثابت مقاله در پایگاه سیویلیکا:

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