

عنوان مقاله:

Necessary and sufficient conditions for M-stationarity of nonsmooth optimization problems with vanishing constraints

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خلاصه مقاله:

We consider a nonsmooth optimization problem with a feasible set defined by vanishing constraints. First, we introduce a constraint qualification for the problem, named NNAMCQ. Then, NNAMCQ is applied to obtain a necessary M-stationary condition. Finally, we present a sufficient condition for M-stationarity, under generalized convexity assumption. Our results are formulated in terms of Mordukhovich subdifferential

کلمات کلیدی:

Stationary conditions, Vanishing constraints, Nonsmooth optimization, Constraint qualification

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