

Generalized $(\mathcal{F}, \beta, \phi, \rho, \theta)$ -univex functions and optimality conditions in semiinfinite fractional programming

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Abstract

In this paper, we establish a set of necessary optimality conditions, and formulate and discuss a fairly large number of sets of global sufficient optimality criteria under various generalized $(\mathcal{F}, \beta, \phi, \rho, \theta)$ -univexity assumptions for a semiinfinite fractional programming problem.

Keywords and phrases : *Semiinfinite programming, fractional programming, generalized univex functions, optimality conditions.*

1 Introduction