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

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Abstract

In this paper, we formulate and discuss a fairly large number of dual problems for (P) and establish a multitude of duality results 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, duality models, duality theorems.*

1. Introduction

Our aim in this paper is to establish a fairly large number of sets of duality results under various generalized $(\mathcal{F}, \beta, \phi, \rho, \theta)$-univexity as-