拟半(E,F)}--凸函数及拟半(E,F)--凸规划的性质

简金宝[1]，胡庆娟[1]，马鹏飞[1]，黎健玲[1]

1. 广西大学数学与信息科学学院，南宁，530004

On Properties of Quasi-semi-(E,F)-Convex Functions and Convex Programming

JIAN Jin-Bao[1], HU Qing-Juan[1], MA Peng-Fei[1], LI Jian-Ling[1]

1. College of Mathematics and Information Science, Guangxi University, 530004, Nanning, China

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摘要　简、胡及唐等(Int. J. Pure Appl. Math., 2004, 14(4): 439-454)于2004年提出了拟半(E,F)--凸函数的概念. 本文进一步深入讨论拟半(E,F)--凸函数及与之相应的拟半(E,F)--凸规划的一些重要性质，建立了此类广义凸性的若干重要结论.

关键词：　(E,F)--凸集　(E,F)--凸函数　拟半(E,F)--凸函数　拟半(E,F)--凸规划

Abstract：In 2004, Jian, Hu and Tang et al (Int. J. Pure Appl. Math., 2004, 14(4): 439-454) introduced the concept of quasi-semi-(E,F)-convex functions. In this paper, some important properties of quasi-semi-(E,F)-convex function and the associated quasi-semi-(E,F)-convex programming are further discussed. As a result, some important results for this generalized convexity are established.

Keywords：(E,F)-convex set,　(E,F)-convex function,　quasi-semi-(E,F)-convex function,　quasi-semi-(E,F)-convex programming

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通讯作者　简金宝

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