



拟半 (E, F) -凸函数及拟半 (E, F) -凸规划的性质

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

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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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