THE STRUCTURE OF THE EFFICIENT SOLUTIONS SET - THE CONVEX CASE

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Abstract. We prove two theorems on vector convex optimization, under appropriate assumptions of compactness. The first theorem, of technical nature, entails the existence of a special decomposition of variables in efficient solutions 'intermediate' between two known ones, an efficient and a proper efficient solution. The second theorem constructs a function which attains its unique minimum in any proper efficient solution.

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