Practical examples of optimization problems involving generalized interior notions

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Abstract

The quasi relative interior and the quasi interior of a set have received an ever-growing interest in the optimization community during the last decade, mostly in connection to the formulation of relaxed optimality conditions. As well they have been used in defining new optimality notions. The purpose of this talk is to present some explicit optimization problems for which such generalized interior notions are mandatory and for which other approaches fail.