

论文

A GENERALIZED GRADIENT METHOD FOR NONLINEAR CONSTRAINTS AND ITS CONVERGENT PROPERTIES

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收稿日期 修回日期 网络版发布日期 接受日期

摘要 Although many effective algorithms of the gradient projection type have been proposed for nonlinear programming with nonlinear constraints (see [1-9]), these algorithms must require a regular assumption (i.e. the gradient vectors of the active constraints set at any feasible point are linearly independent). In this paper a generalized gradient projection method is presented for nonlinear programming with nonlinear constraints under degeneracy. And its convergent properties are discussed.

关键词 [Constrained optimization, generalized gr](#)

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Key words [Constrained optimization](#) [generalized gradient projection method](#) [degeneracy](#) [convergent properties](#)

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