

***P*-regular nonlinear optimization – calculus and methods**

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Abstract

We give a description of the p -regularity theory applications to nonlinear singular optimization problems and present numerical method for solving such problems. A construction of the p -factor operator has been used for the formulation of the p th-order necessary and sufficient optimality conditions.

Keywords: regularity condition, nonlinear optimization, singularity, optimality conditions

References

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