AUGMENTED LAGRANGIAN QUADRATIC GROWTH AND SECOND-ORDER SUFFICIENT OPTIMALITY CONDITIONS

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Resumo/Abstract:
We characterize the second-order sufficient optimality condition throught the primal quadratic growth condition of the proximal augmented Lagrangian function. The result was stated analyzing optimality conditions of a suitable auxiliary problem. Using this technique, we characterize the weak second order sufficient optimality condition throught the primal quadratic growth condition of the sharp augmented Lagrangian function.

References

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