

Bibliography

- [1] A. Ben-tal and J. Zowe, A unified theory of first and second order conditions for extremum problems in topological vector spaces, *Mathematical Programming Study* 19, 1982, pp. 39-76.
- [2] S.K. Berberian, *Introduction to Hilbert Space*, Oxford University Press, 1961.
- [3] D.P. Bertsekas, *Nonlinear Programming*, Athena Scientific, 1995.
- [4] J.F. Bonnans and A. Shapiro, *Perturbation Analysis of Optimization Problems*, Springer, 2000.
- [5] J.C. Duhn, On second order sufficient condition for structures nonlinear programs in infinite-dimensional function spaces, in A. V. Fiacco (ed.), *Mathematical Programming with Data Perturbations*, Marcel Dekker, Inc., New York, 1998.
- [6] E. Kreyszig, *Introductory functional analysis with applications*, John Wiley & Sons, 1978.
- [7] S. Kurcyusz, On the existence and nonexistence of Lagrange multipliers in Banach Spaces, *Journal of Optimization Theory and Applications* 20, 1976, pp. 141-146.
- [8] F. Lempio and J. Zowe, Higher order optimality conditions, in B. Korte (Ed.), *Modern Applied Mathematics, Optimization and Operations Research*, North-Holland Publishing Company, 1982, pp. 148-193.
- [9] D. Li and X. L. Sun, Local convexification of the Lagrangean function in nonconvex optimization, *J. Optim. Theor. Applic.* 104, No. 1, 2000, pp. 109-120.

- [10] D.G. Luenberger, *Optimization by Vector Space Methods*, John Wiley & Sons, 1969.
- [11] D.G. Luenberger, *Linear and Nonlinear Programming*, 2nd Edition, Addison-Wesley, Reading, Massachusetts, 1984.
- [12] K. Malanowski, Second-order conditions and constraint qualifications in stability and sensitivity analysis of solutions to optimization problems in Hilbert spaces, *Appl Math Optim* 25, 1992, pp. 51-79.
- [13] H. Maurer and J. Zowe, First and second-order Necessary and sufficient optimality conditions for infinite dimensional programming problems, *Mathematical Programming Study* 16, 1979, pp. 98-110.