On Local Error Bound in Nonlinear Programs

Minchenko L. I. [1],

Sirotko S. I. [2]

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1, 2 R&D Lab 6.2 «Software for applied information technologies», Department of Informatics, Belarusian State University of Informatics and Radioelectronics, Brovki Str. 6, Minsk 220013, The Republic of Belarus

Abstract: Numerous efforts in the literature are devoted to studying error bounds in optimization problems. The existence of local error bounds is closely related with constraint qualifications. It is well-known that some constraint qualifications imply error bounds. We consider constraint qualifications, which do not impose as strong requirements on the structure of the optimization problem as traditional conditions do. On their base necessary and sufficient conditions of error bounds are derived.

Internet-link for the article:

https://link.springer.com/chapter/10.1007/978-3-030-91059-4_3.