

Response to First Referee on the Paper:
A modified nearly exact method for solving
low-rank trust region subproblem

First, we would like to thank you for taking the time and effort to review and provide comments to our paper. We appreciate your willingness to help to make our paper a better, more worthwhile document.

Regarding the comments you made:

- 1 pp. 2 L20: we addressed these two comments, and added the references Toint[3] and Gould et al. [2] as you suggested.
- 2 pp. 3 L19: we made the change as you suggested.
- 3 pp. 4 L8: the LRTR subproblem has been generally defined at the bottom of pp. 2, and the LRTR subproblem given in equation (8) is a very specific one. Hence, we are inclined not to label LRTR explicitly here.
- 4 pp. 7 L7: we addressed this comment in the paper.
- 5 pp. 20: for problem FLETGBV2, the initial approximate solution provided by CUTEr is optimal, and hence the number of iterations is 0.
- 6 pp. 24: we updated the reference [11] as you suggested.

Again, thank you for your insightful comments.