

Review of: "The Comparison of Traverses Adjusted by Non-Rigorous and Rigorous Methods of Adjustment"

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Potential competing interests: No potential competing interests to declare.

Before commenting on the overall suitability of the manuscript for publication, I would ask the authors to supplement it with the necessary information that should be in the manuscript. Without them, the article is unclear and completely unsuitable for publication. The manuscript requires major revisions.

- In the chapter Materials and Methods, add a clear representation of all point's locations with the necessary parameters, such as display scale, north orientation, coordinate axes, coordinate systems, height system, etc.
- Furthermore, with the measuring devices used, I would like to add the accuracy of the measured lengths and angles.
- Used calculation and adjustment methods - also add the basic principle including formulas, specifically methods: Bowditch, Transit and Least Square.
- In the chapter Results, add comments to the tabular data above Figure 4.1.
Please group the data in the presented tables, ideally for using three methods, where the differences will also be indicated - e.g. Tab. 2,3, and 4, etc.
- Table 4 - how is it possible that the unadj and adjusted coordinates have differences in the order of hundreds of meters? The accuracy of the used total station rangefinder is 2+2ppm. Angle measurement accuracy with South NTS-362R_6 is 2" or 5". In Table 5, determining the lengths and angles are 0.1 mm and about 20". The accuracy of the used rangefinder is 2+2ppm, which 200m distance gives a length measurement accuracy of 2.4mm. What can cause the large differences in the coordinates in Table 4?
- Table. 7 - Does the distance column represent the positional deviation determined by the difference in coordinates?
- In the discussion, for the first time, the author comments on the Tables, which should be commented on in the section above the mentioned Tables. A comparison with other scientific works should also be mentioned here.
- In the manuscript, I am missing the conclusion of the manuscript.