



AH2923

Ambiguity resolution

Find the integer values of the float ambiguities computed in Lab 4 and compute the coordinates of ROV receiver using the fixed ambiguities. Perform validation (ratio test).

Use Matlab software LAMBDA provided by TU Delft (<http://www.citg.tudelft.nl/over-faculteit/afdelingen/geoscience-and-remote-sensing/research-themes/gps/lambda-method/>), which is available via BILDA.

The report should include:

- the receiver coordinates and their standard uncertainties (deviations) computed using the integer values of ambiguities
- the integer values of ambiguities and their comparison with the float ones
- ratio test
- Discussion about the effect of the fixed ambiguities on the quality and reliability of the computed coordinates

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