

# DistoX calibration checks

Marco Corvi

[marco.corvi@gmail.com](mailto:marco.corvi@gmail.com)

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# Calibration checks

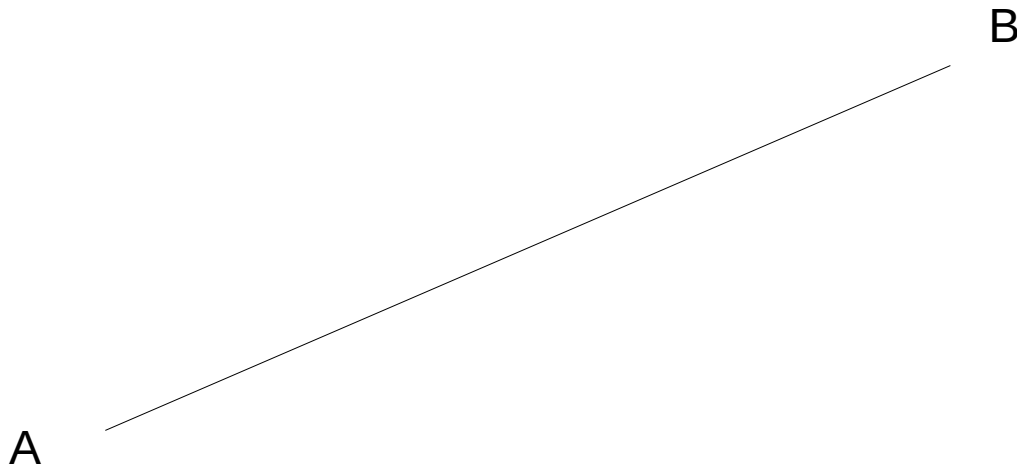
- Roll invariance
- Loop closures
  - two-leg loop: A-B and B-A
  - triangle loop: A-B, B-C, and C-A
- TopoDroid displays loop misclosures graphically:
  - make a “check” survey,
  - download data
  - display plan and projected profiles in the sketch window

# Roll invariance

- The azimuth and inclination of data should remain “invariant” when the DistoX is rotated around the laser axes



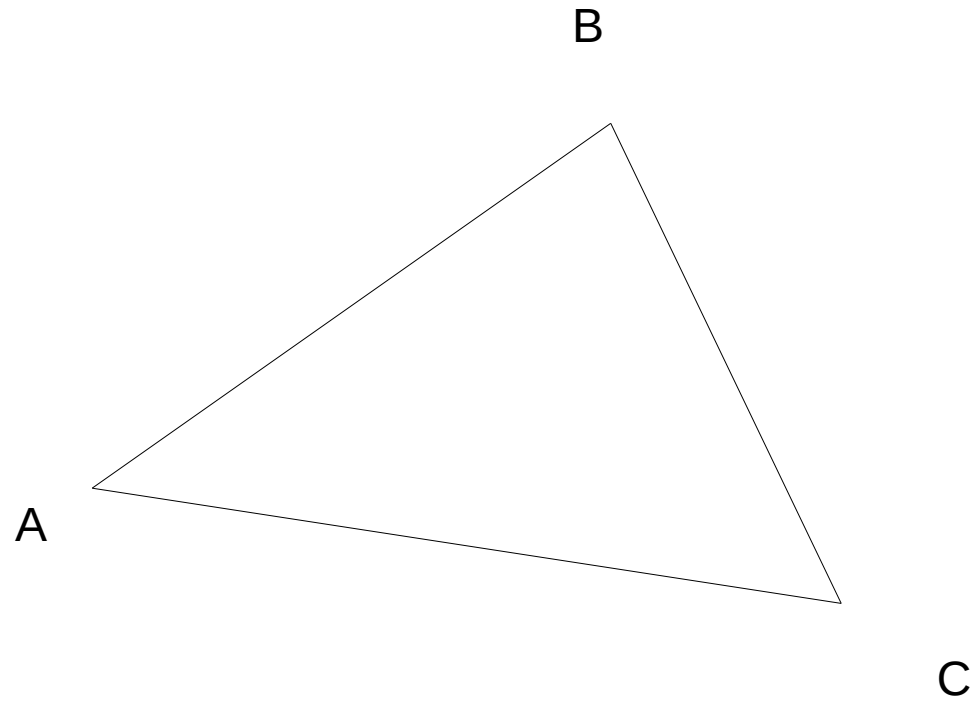
# Two-leg loop



The azimuths of the leg AB and BA should differ by 180 degrees

The inclinations of the legs AB and BA should have opposite signs

# Triangle loop



# Checks hints

- Check roll-invariance in several directions
- Check two-leg loops in several directions  
(at all inclinations)
- Check several triangles, even inclined ones