

# Calibration checks

TopoDroid v. 3.4.3r

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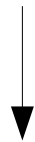
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# DistoX accuracy

- Length accuracy guaranteed by Leica
- Angle accuracy by the a *good calibration*
- Calibration checks (for any A, B, C)
  - Roll independence
  - $(A-B) = - (B-A)$
  - $(A-B) + (B-C) + (C-A) = 0$

# Accuracy theorem

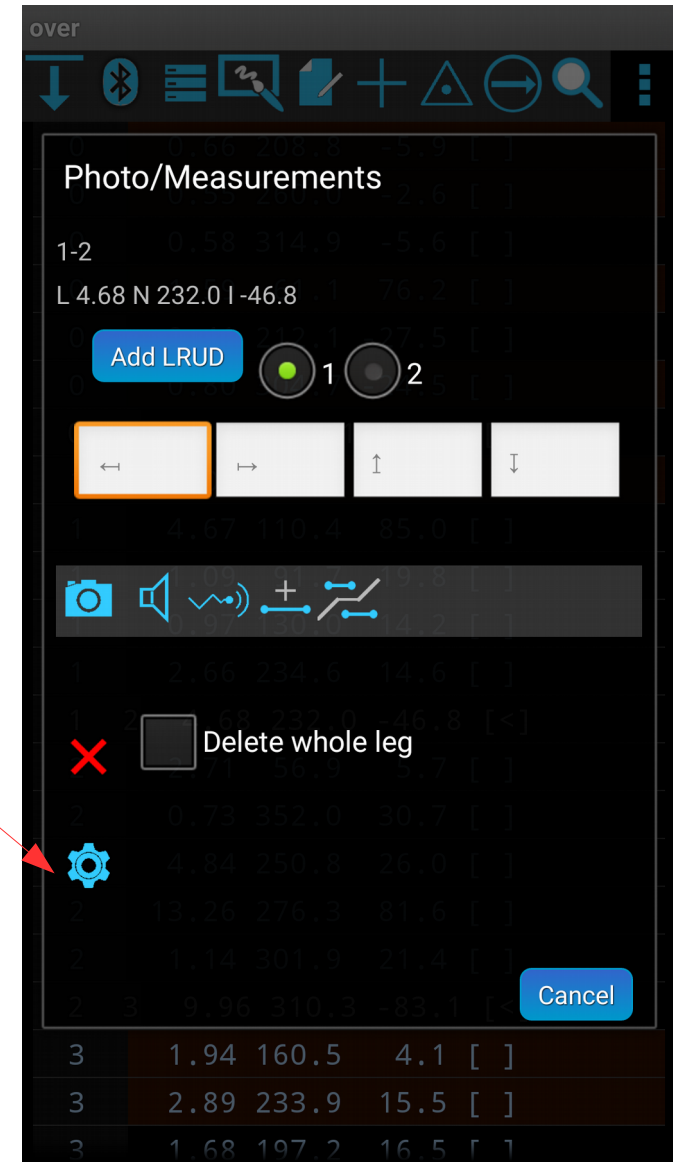
- Length accuracy
- Calibration checks
- Regularity ( $C^1$  continuity of  $\mathbf{G}$ ,  $\mathbf{M}$ )



- Angle accuracy

# Calibration checks

- Take shots A-B at roll 0, 90, 180 and 270
- Repeat for B-A, B-C, C-A
- Download data
- Mark leg as calibration-check



# TopoDroid calibration check

- Menu “calib. Check”
- Roll-independence
  - Select a leg:
  - Histogram of angular deviations
- A-B and B-A
  - Histogram of misclosures

