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ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

Leica-EPFL Compass-GPS Personal Navigation System Trials
Outdoor Navigation

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Participants

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Description

The tests took place in Manassas, Virginia. The true traveled distance was measured using a calibrated wheel. The step model was supposed to be the same than the one calibrated during the 6 November tests using GPS data.

The **computed traveled distance (2979.1m)** matches the true (3019.4 m) one within **–1.3 %.** The difference in **position** is 5.8 m i.e. **0.2%** (figure 1).

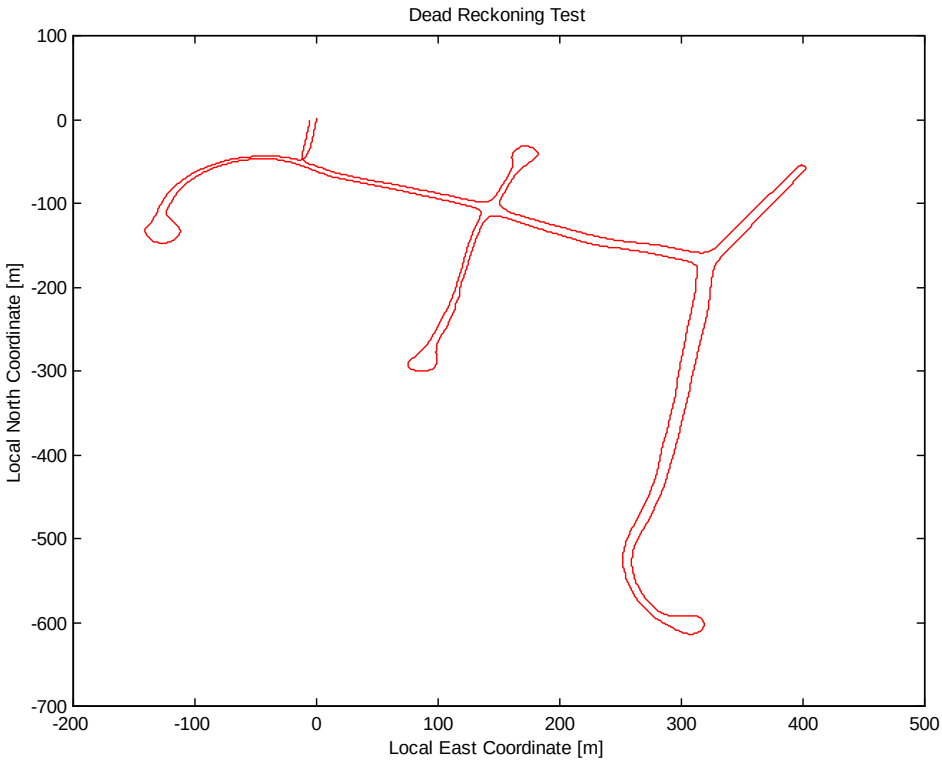

Figure 1: Dead Reckoning trajectory leads to a difference in position of 5.8 meters i.e 0.2**%** of the traveled distance.