

LandStar8 FAQ

Project a point, Manual Traverse, Turn Angle Right and project DESCRIPTION

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If you have an occupied point (current station) and a backsight point, how do you turn an angle-right and project a distance, then stake or store the solution?

Solution

Before you begin, check and make sure that **Azimuth input mode** is set to **dd.mmsssss**. From the main menu click on the **Blue-guy** (top left corner), then **Software settings > Units > Azimuth input mode = dd.mmsssss**; and **Lat/Lon input mode = dd.mmsssss**.

Assume two points:

- | | |
|---|--------------|
| 1 | 100 e, 100 n |
| 2 | 100 e, 200 n |

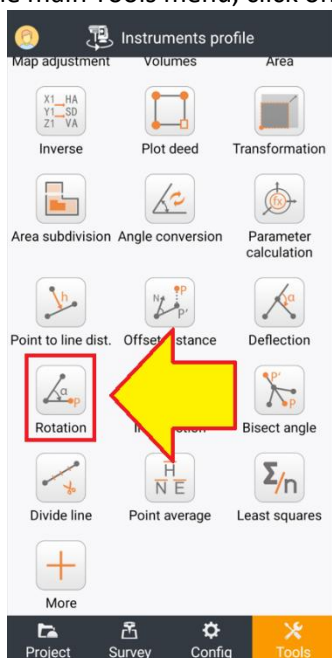
2
100, 200



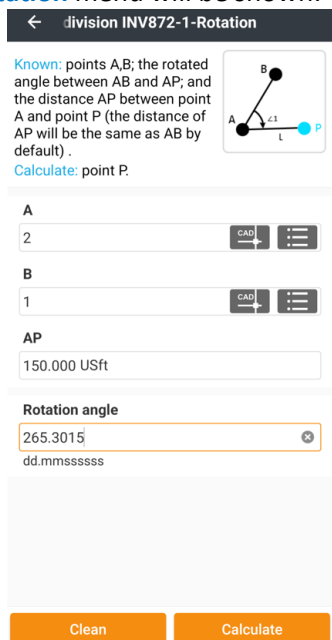
1
100, 100

Treat 1 as a backsight (BS), 2 as an occupied station (STN) then project a new point 265° 30' 15" AR, 150.0 feet from the station.

From the main Tools menu, click on **Rotation**:



The **Rotation** menu will be shown:



← division INV872-1-Rotation

Known: points A,B; the rotated angle between AB and AP; and the distance AP between point A and point P (the distance of AP will be the same as AB by default) .

Calculate: point P.

A
2

B
1

AP
150.000 USft

Rotation angle
265.3015
dd.mmsssss

Clean Calculate

Select **2** (STN) as the **A** point, select **1** (BS) as the **B** point, enter **150** as the **AP** distance.

Enter the **Rotation angle** in dd.mmss format. Use a negative sign to indicate an angle left.

Click on **Calculate**:

Result

Name

Code
 >

North (N)

East (E)

Elevation

Description

Cancel
Save
Stakeout

Click **Stakeout** to immediately stakeout this point, without adding it to the **Point list**. Click **Save** to add it to the **Point list**.

The results of this computation are:

