

AutoResection

Automatic point selection for resection

AUTORESECTION

ALLNAV AutoResection is capable of calculating a resection without knowing your actual backsight point names. This allows a quick station setup without the risk of adding wrong points to the station setup.

WORKFLOW

A typical AutoResection workflow looks like this:

First a user imports a set of known points if they don't exist already in the job.

Then in AutoResection define the point thresholds for the resection.

Next enter in the applicable instrument point information then measure to at least three points.

These points can be measured in any order and need to exist in the job.

As soon as AutoResection has enough points to perform the correlation it will calculate all possible resections (in case of ambiguity) and present the result to the user.

The user can then either select a resection, add measurements or remove used points.

Once completed you can switch to General Survey or any other application and continue as normal with the defined station setup.

The goal of AutoResection is to make field work more simple and intuitive without the hassle of searching for the correct backsight point.

Benefits

RELIABILITY

- ▶ No wrong point selection
- ▶ Measure and calculate
- ▶ Easy to use

FLEXIBILITY

- ▶ Calculate any time
- ▶ Check any time

