

Automatic Fitting of Point Clouds into 3D Models of Excavation sites to calculate progress information.

- A point cloud containing color and normal information is supplied in ply format
- A 3D model in Revit format is provided
- Both the point cloud and the model contain an excavation pit.
- Fit the point cloud into 3D model
- Calculate difference in volume and progress of excavation.

Project Characteristics

Modeling: ★★★★★

Mathematics: ★★★★★

Programming: ★★★★★

