

“Sviluppo di Modelli Computazionali 3D” (3D Models Generation)

Laboratory 07 – 28/04/2017

SfM Exercise:

1. Download Regard3D and dataset from:
 1. <http://www.regard3d.org/>
 2. http://vcg.isti.cnr.it/corsi/G3D_InfoUma/Materials/Multi_View_Stereo.zip
2. Install Regard3D and unzip Multi_View_Stereo.zip
3. Run Regard3D.
4. Proceed with the 3D reconstruction of one or more datasets following steps showed by the lecturer. Online tutorials can be found. For example:
 1. <http://www.regard3d.org/index.php/documentation/tutorial>
5. Once a dense 3D model is generated save it as a PLY.
6. Open the PLY 3D model in MeshLab.
7. Run Screened Poisson Reconstruction.