

Building CAD Model Reconstruction from Point Clouds via Instance Segmentation, Signed Distance Function, and Graph Cut

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1. Supplementary #1

The same images as in this paper will be included in a paper-filling enlargement of the results of the 3D modeling. Fig. 1 in the supplemental section is the same image as Fig. 6 in the main text. Fig. 2 in the supplemental is the same image as Fig. 7 in the main text.



Point Cloud

3D Model

Point Cloud

3D Model

Figure 1. Example of 3D models from our method.

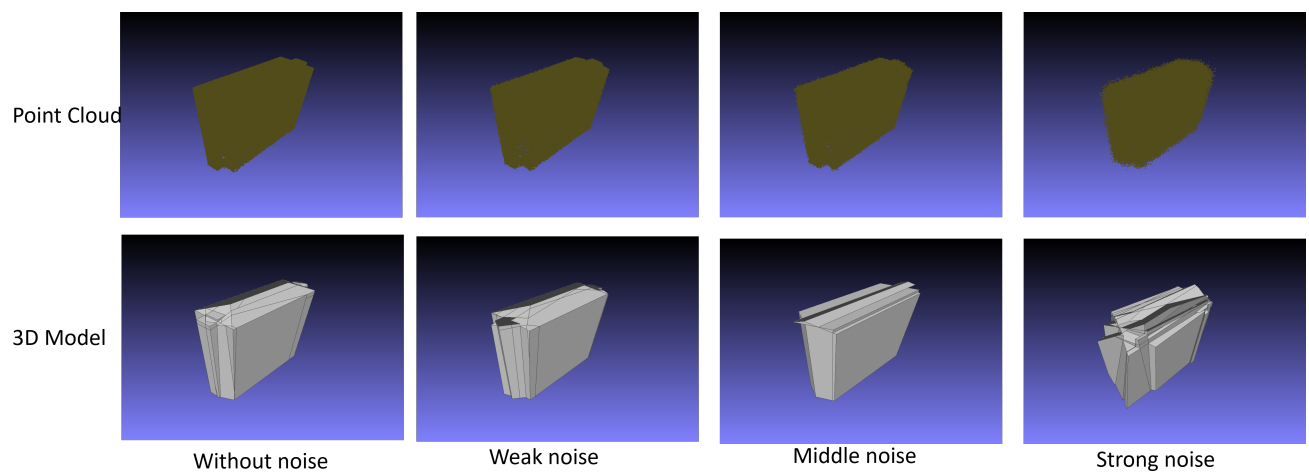


Figure 2. Robustness to noise. Note that our neural network was trained on point clouds without noise, and at the time of inference, we have fed the point cloud into the trained model with different noise levels $[0, 0.005R]$, where R denotes the radius of the bounding sphere of the input point cloud.