

第一次作业 (三位点云重建)

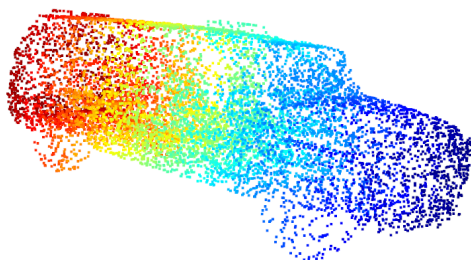
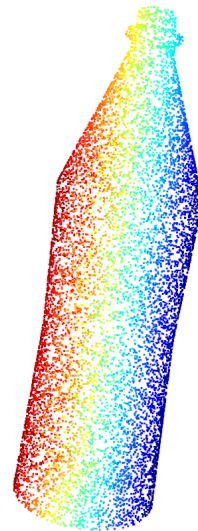
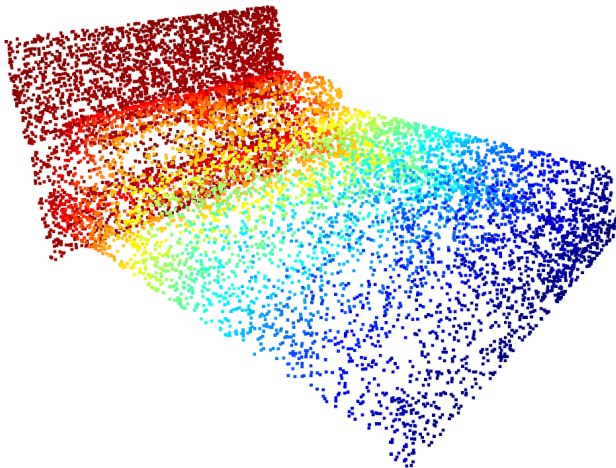
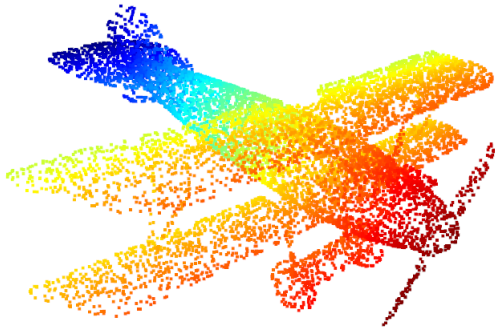
PCA, surface normal estimation and Downsample

Date: 2020.07.04

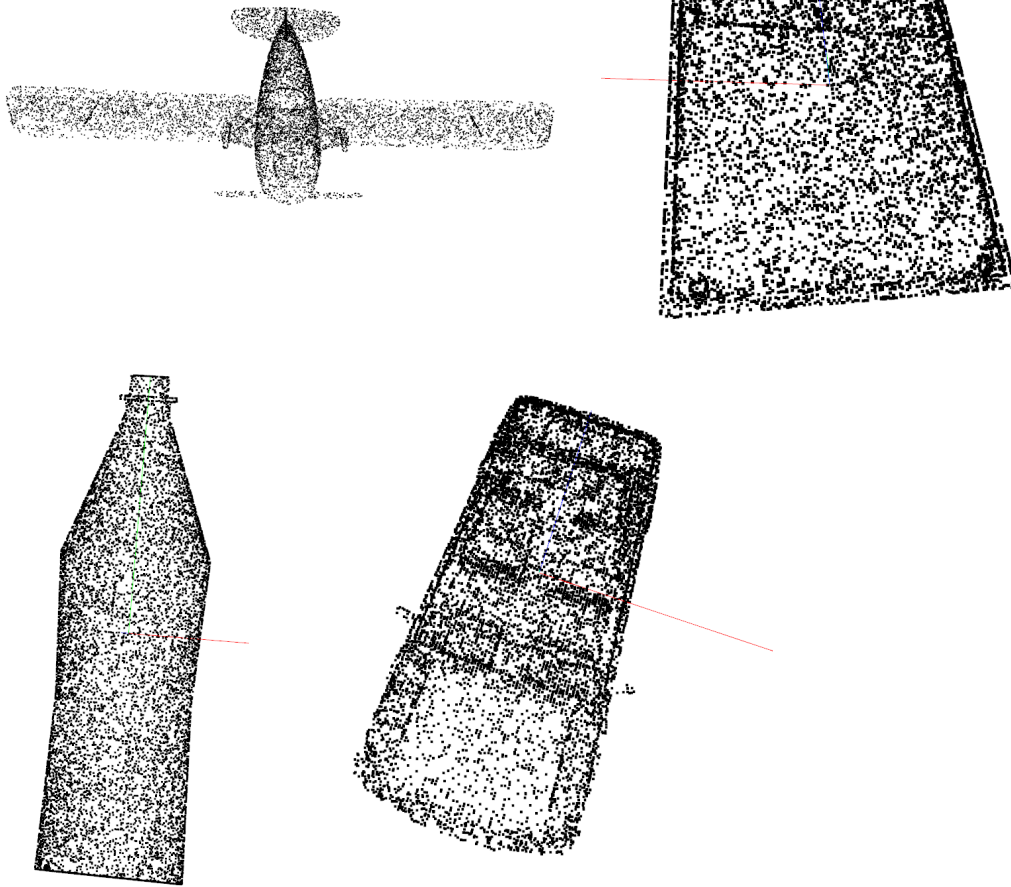
Author: MagicTZ

1. PCA

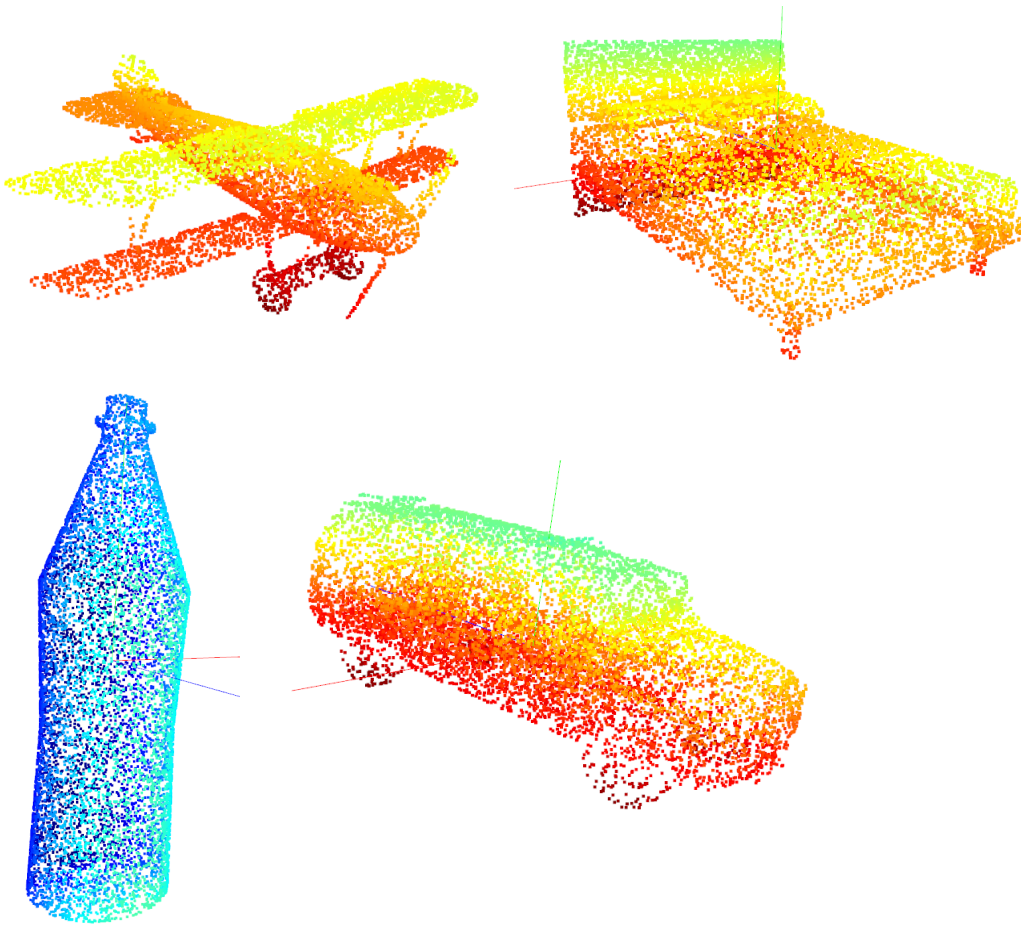
1.1 Origin



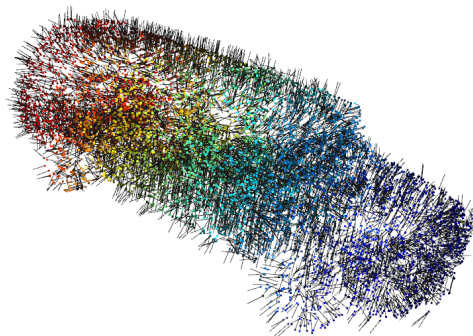
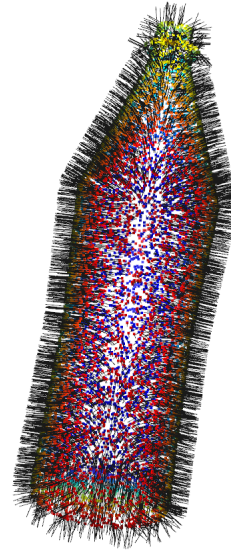
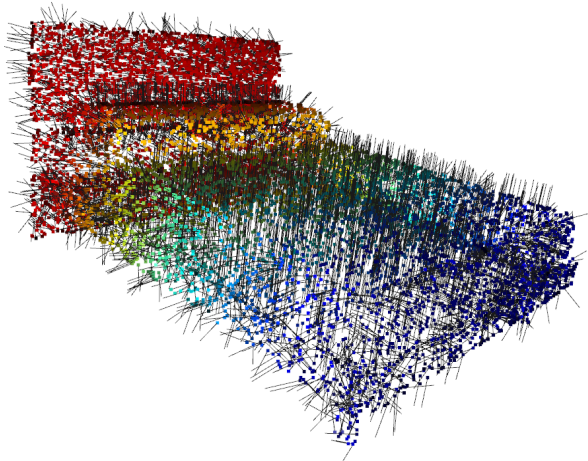
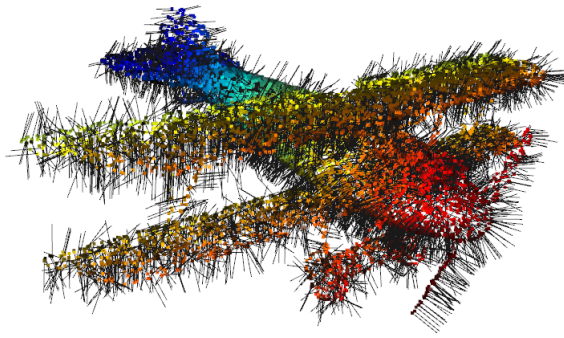
1.2 The first and second principle (Only a plane)



1.3 The result of decoder

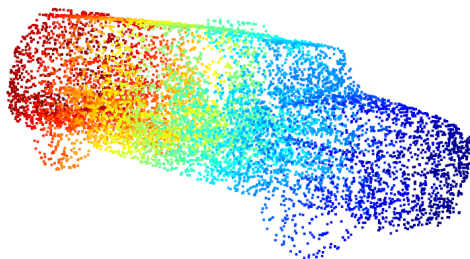
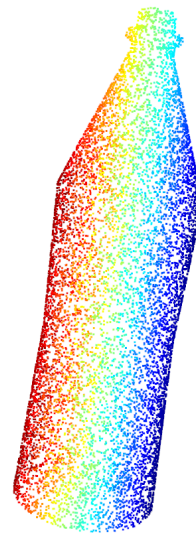
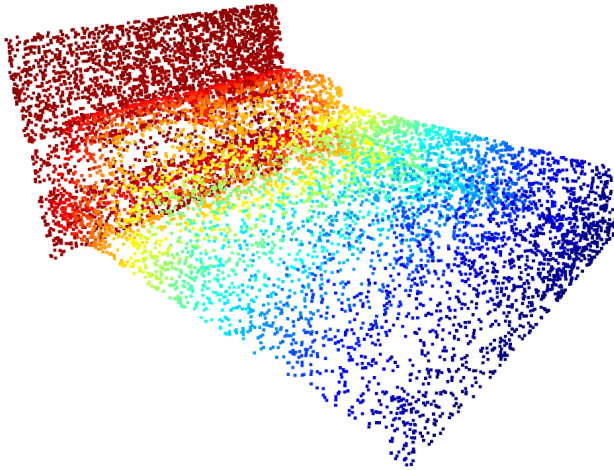
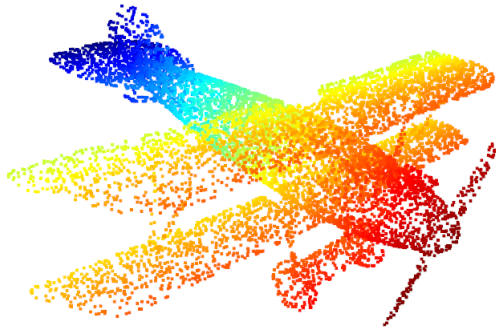


2. Surface Normal Estimation

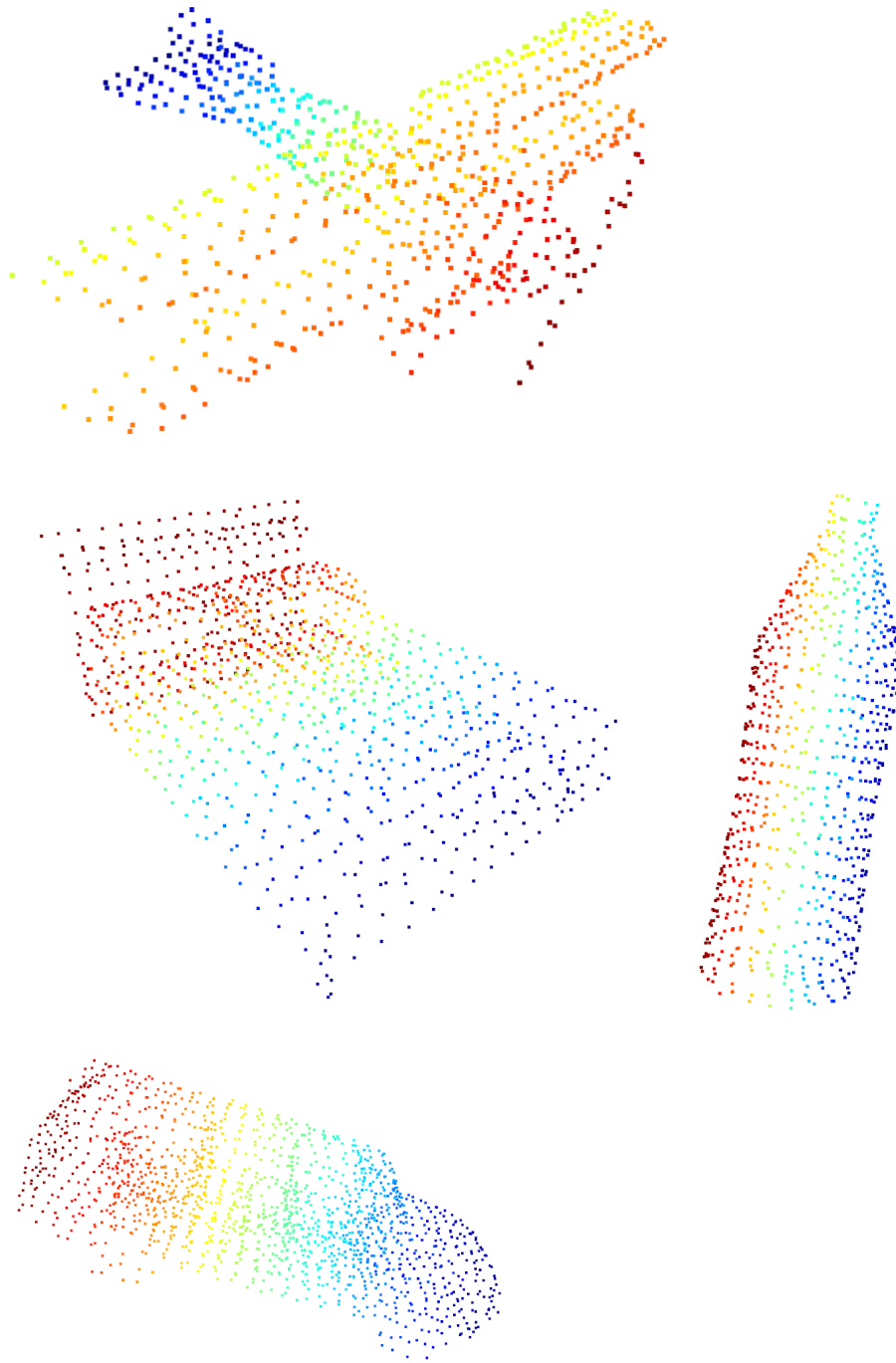


3. Downsample

3.1 Origin



3.2 Centroid



3.3 Random

