

Weekly Updates

Minseok Jang

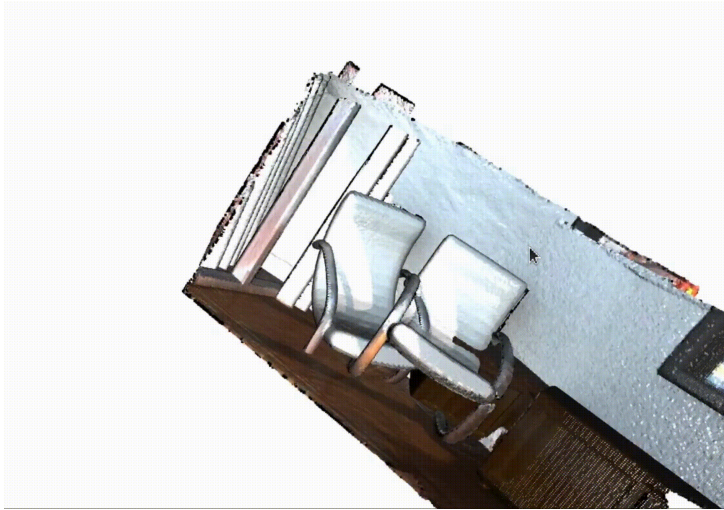
Personal Studies

- NeRF~ 3D Gaussian Splatting
- Point Cloud data processing
- Udemy : ROS for Beginners

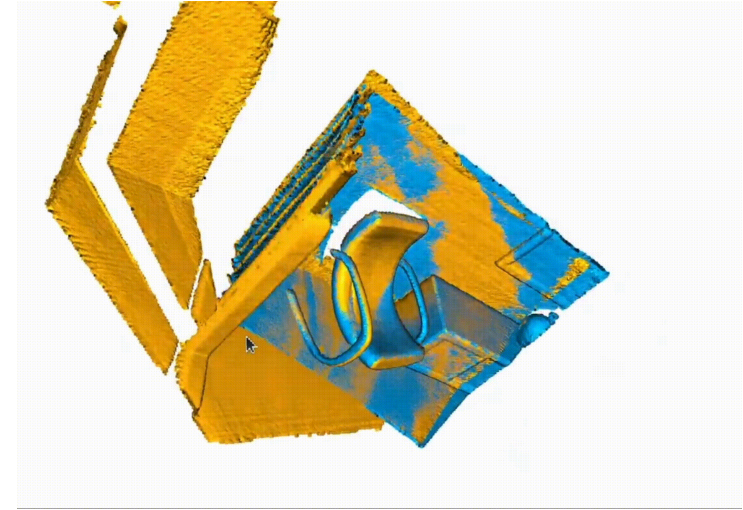
- Udemy : Pytorch for Deep Learning, Computer Vision– (Done)
- Coursera : Introduction to network (by NVIDIA) - (Done)
- 리눅스 프로그래밍 입문을 위한 리눅스 시스템 기초 및 실습 – 임성락 저 – (Done)

Weekly Updates

Classic Point Cloud Matching Practice by open3D (code by code)



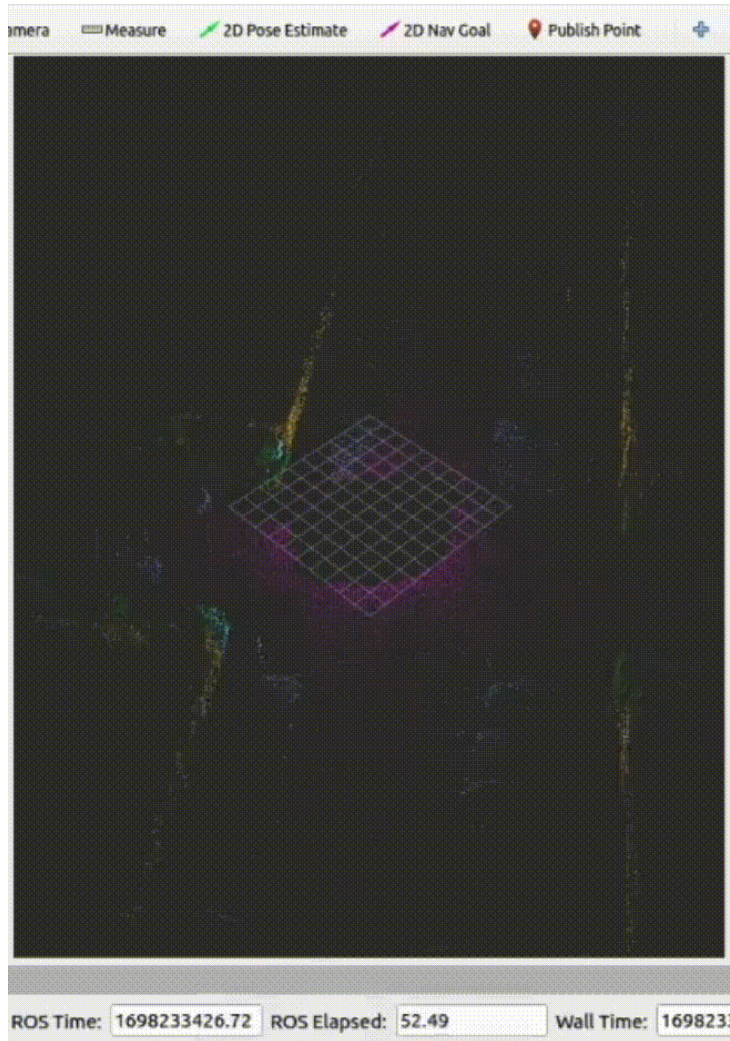
Point To Point



Point To Plane

Weekly Updates

LiDAR Object Tracking using ROS (KITTI sample)



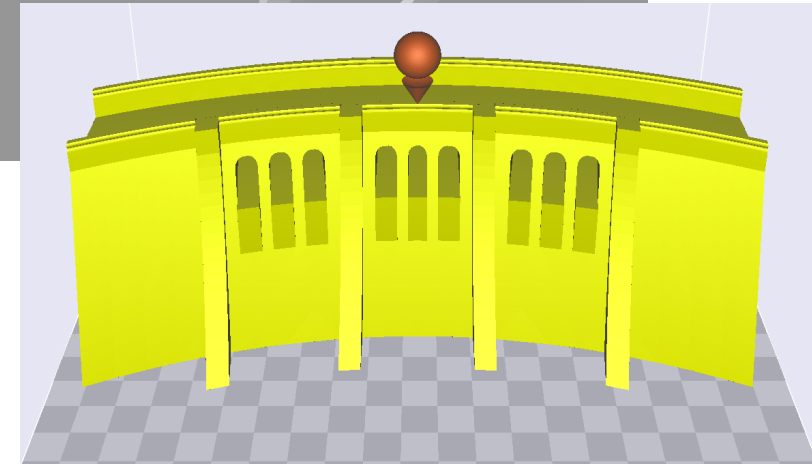
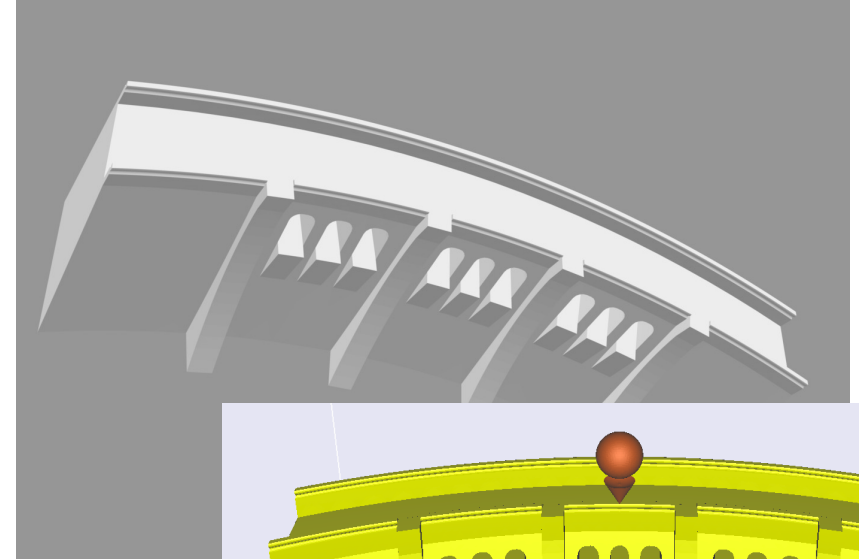
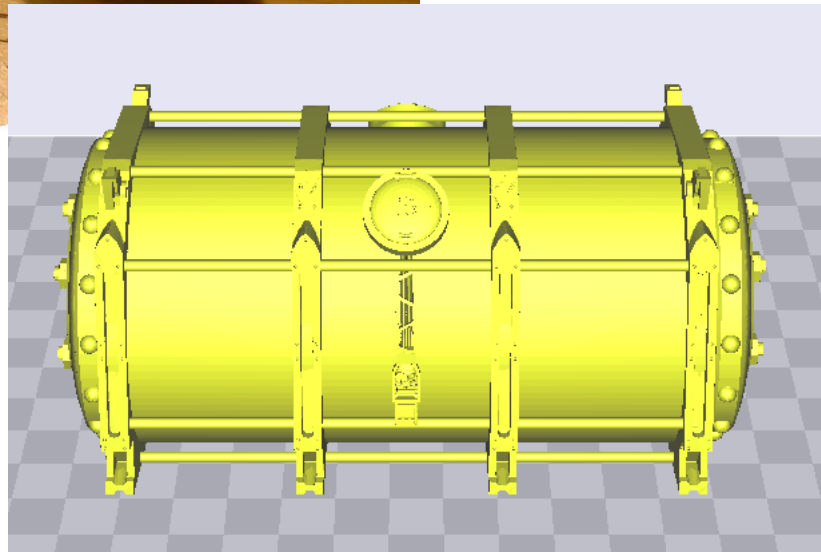
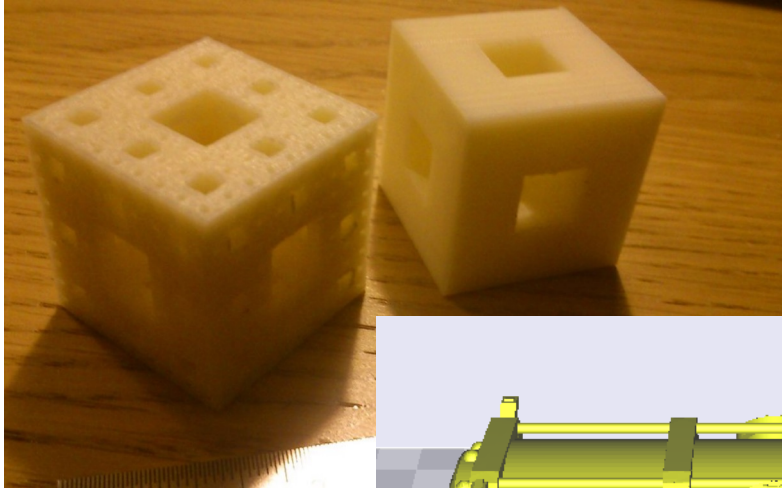
```
[INFO] [1627481508.114919511] [velodyne_driver_node]: Velodyne HDL-64E rotating at 600.000000 RPM
[INFO] [1627481508.115023689] [velodyne_driver_node]: publishing 260 packets per scan
[INFO] [1627481508.115039991] [velodyne_driver_node]: Cut at specific angle feature activated. Cutting velodyne po
[INFO] [1627481508.115055682] [velodyne_driver_node]: expected frequency: 10.000 (Hz)
[INFO] [1627481508.115259149] [velodyne_driver_node]: Opening UDP socket: port 2368
[WARN] [1627481509.116997391] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481510.118475119] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481511.120067803] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481512.121322459] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481513.122099591] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481514.123429389] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481515.124767754] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481516.126113049] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481517.127709118] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481518.128968379] [velodyne_driver_node]: Velodyne poll() timeout
[WARN] [1627481519.130052946] [velodyne_driver_node]: Velodyne poll() timeout
^C[INFO] [1627481519.757593519] [rclcpp]: signal_handler(signal_value=2)
[WARN] [1627481520.131363781] [velodyne_driver_node]: Velodyne poll() timeout
```

Velodyne poll() timeout

External Project

Applying <Project Natick> to Korea?

3D modeling & printing

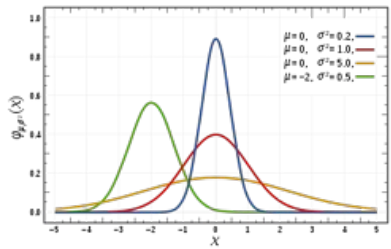


Plans

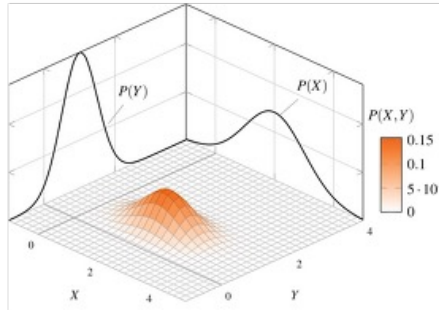
- Solving network error
- Organizing Lab notebook

- Maths

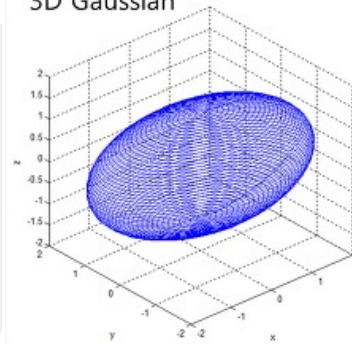
1D Gaussian



2D Gaussian



3D Gaussian



- Preparing Seminar (2.28)

