OptiX

Install

CMake

* For windows
* For Linux or Unix
* Point Cloud
* KITTI Dataset

Visual Studio

Idea Note

Deep Embedding

* Group wise movement
  + Prototype loss
  + Group movement
* Meta learning side
  + Episodic Progressive learning

Super Resolution

* Guided super resolution
  + Hard negative mining or Weighted loss   
    Sample the hard examples or give a weighted loss based on the model inference.
* Model wise improvement
  + Combination with the SE Net
    - Almost completely done by RCAN
  + Shuffle layer

Curriculum Learning

* Based on the correctness
  + Sampling strategy based on the learning status

Distribution

* Mixture of Gaussian
  + See the note in 02/13

Network architecture

* Clustering
  + To reduce the tendency that the network focus on the texture when it classify the image, how about give the clustered image?