Imperial College London

Weekly Meeting

Week 7

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Steps for Kernel Point Classification

Steps

- 1. Object Classification
 - Training a Model
 - Plot a logged training
 - Test the trained model
- 2. Pretrained Model
- 3. Scene Segmentation
- 4. Slam Segmentation
- 5. Visualisation.

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Learning Process from KPConv

 $https://github.com/HuguesTHOMAS/KPConv\\Issues$

- Deprecated
- Not Updated
- Some tools do not work



Figure 1: Required Version



Figure 2: New Version

Imperial College London Learning Process from KPConv PyTorch

https://github.com/HuguesTHOMAS/KPConv-PyTorch Object Classification: Training Model. Result: It is not done yet.

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[1] Hugues Thomas et al. "Kpconv: Flexible and deformable convolution for point clouds". In: *Proceedings of the IEEE/CVF international conference on computer vision*. 2019, pp. 6411–6420.

[1]