# 点云深度学习经典论文

【写在前面】

此文档建议具有深度学习基础的同学学习~

- **点云特征提取**
  - PointNet

    Paper: https://arxiv.org/abs/1612.00593

    Code: https://github.com/charlesq34/pointnet
  - PointNet++

    Paper: https://arxiv.org/abs/1706.02413

    Code: https://github.com/charlesq34/pointnet2

    Web: http://stanford.edu/~rqi/pointnet2/
  - DGCNN

    Paper: https://arxiv.org/abs/1801.07829

    Code: https://github.com/WangYueFt/dgcnn

    Web: https://liuziwei7.github.io/projects/DGCNN
  - KCNet

    Paper: https://www.merl.com/publications/TR2018-041

    Code: https://www.merl.com/research/license#KCNet
  - FoldingNet

    Paper: https://www.merl.com/publications/?tags=FoldingNet

    Code: https://www.merl.com/research/license#KCNet
  - SO-Net

    Paper: https://arxiv.org/abs/1803.04249

    Code: https://github.com/lijx10/SO-Net
  - PointCNN

    Paper: https://arxiv.org/abs/1801.07791

Code: https://github.com/yangyanli/PointCNN

- 3D-capsule

  Paper: https://arxiv.org/abs/1812.10775

  Code: https://github.com/yongheng1991/3D-point-capsule-networks

  Web: https://www.youtube.com/watch?v=fbhbuH9mUx0

- KPConv

  Paper: https://arxiv.org/abs/1904.08889

  Code: https://github.com/HuguesTHOMAS/KPConv