

Code study for shape GAN — readme

Monday, December 28, 2020

10:13 AM

Reproducing the paper

- Data preparation.
 - The meshes in the Shapenet dataset need to be voxelized for the voxel-based approach, and converted to SDF point clouds for the point based approach.
 - To prepare the data:
 1. install the mesh-to-sdf pip module
 2. Download shapenet files
 3. review the settings in prepare-shapenet-dataset.py.
 4. run prepare-shapenet-dataset.py.

Using the pretrained DeepSDF model and recreating the latent space traversal animation.

- Switch to the pretrained-deepsdf-shapenet branch.
- Move the content of examples/deepsdf-shapenet-pretrained to root.
- run `python3 demo-latent-space.py`.
- render a video file from frames.