This folder contains
1) a video (video.mp4) which demonstrates the method for multi-view 3D reconstruction using our SDFDiff and shows some examples;
2) a document (Single_view_3D_Reconstruction_Results.pdf) which includes additional visual results for single-view 3D reconstruction from the ShapeNet benchmark (corresponding to Section 6 “Single-view Reconstruction using Deep Learning” in our paper submission);
3) source code for multi-view 3D reconstruction using our SDFDiff (the folder multi_view_code);
4) source code for single-view 3D reconstruction using our SDFDiff and deep learning models (the folder single_view_code);

We will release all of these if this paper is accepted in the future.

To run multi-view 3D reconstruction example, you can follow the following steps in the folder multi_view_code/code:

1. You need to run “python setup.py install” to compile our SDF differentiable renderer.
2. Once built, you can execute the bunny reconstruction example via “python main.py”