

CD	plane	car	chair	rifle	table
HSP	0.001633	0.001227	0.002896	0.00156	0.002741
AtlasNet25	0.00081	0.00081	0.001847	0.00094	0.00142
AtlasNetO	0.001137	0.000825	0.002535	0.001067	0.002167
IM-SVR	0.000974	0.000968	0.002209	0.001057	0.001897

LFD	plane	car	chair	rifle	table
HSP	6306.98	2009.28	4255.01	6359.93	3765.13
AtlasNet25	4876.58	1667.04	3244.43	6506.94	2725.42
AtlasNetO	5207.95	1750.94	4124.17	6116.84	3908.76
IM-SVR	4743.23	1657.63	3321.38	5066.79	2917.64

Quantitative evaluation for single-view 3D reconstruction using symmetric chamfer distance (CD) and light field descriptor (LFD). The mean is taken over the first 100 shapes in the testing set for each category. AtlasNet25 is AtlasNet with 25 patches (28900 mesh vertices in total) and AtlasNetO (7446 vertices) is with one sphere. IM-SVR and HSP were sampled with marching cubes at 256^3 resolution.