

SymmetryNet: Learning to Predict Reflectional and Rotational Symmetries of 3D Shapes from Single-View RGB-D Images

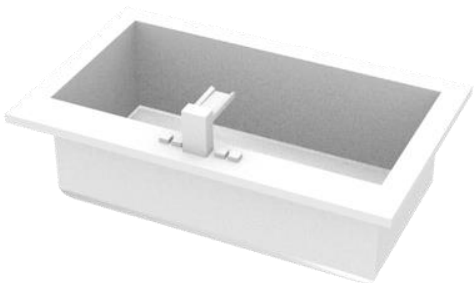
Yifei Shi, Junwen Huang, Hongjia Zhang, Xin Xu, Szymon Rusinkiewicz, Kai Xu
National University of Defense Technology , Princeton University

Supplemental Material

Outline

- [ShapeNet Train Categories](#)
- [ShapeNet Holdout Categories](#)
- [ShapeNet Occluded Data](#)
- [Dataset of discrete rotational symmetry prediction](#)

ShapeNet Train Categories



bathtub



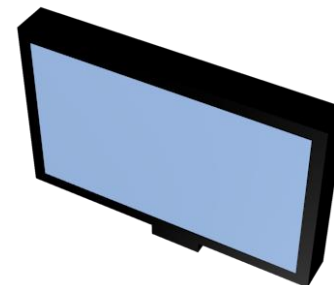
chair



pot



bench



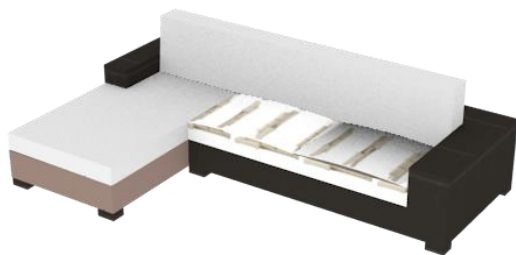
display



guitar



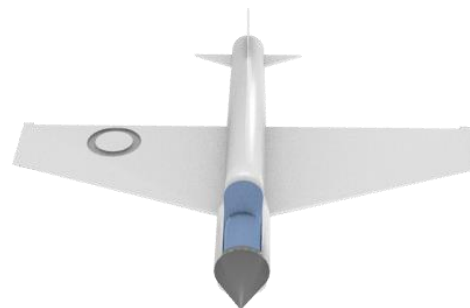
jar



sofa



table



airplane



bottle



camera

ShapeNet Holdout Categories



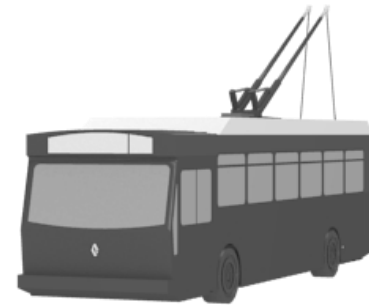
ashcan



bag



bed



bus



car



earphone



lamp



laptop

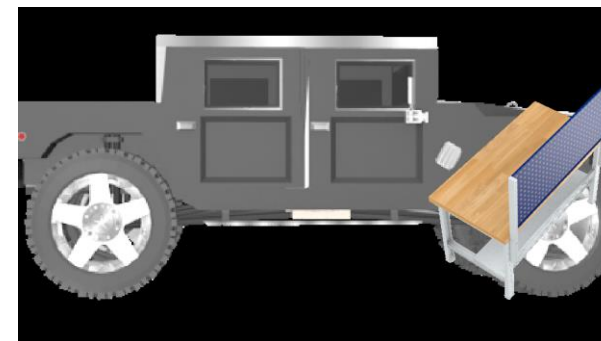
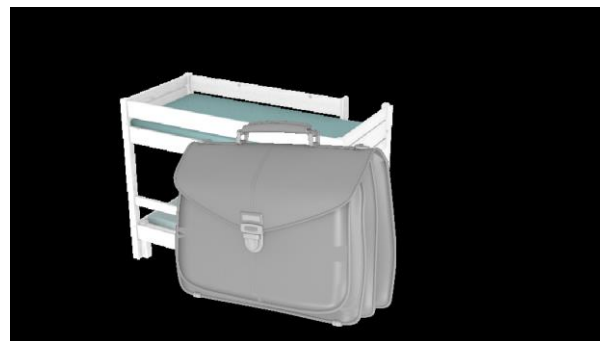


skateboard

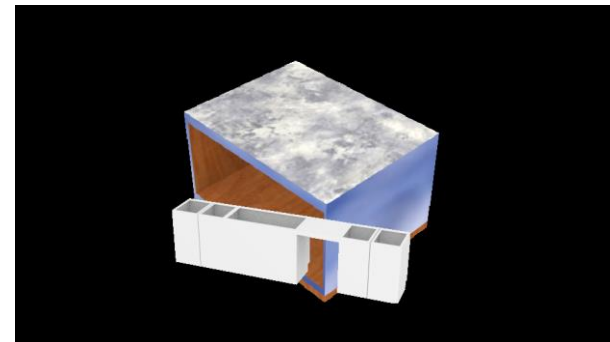
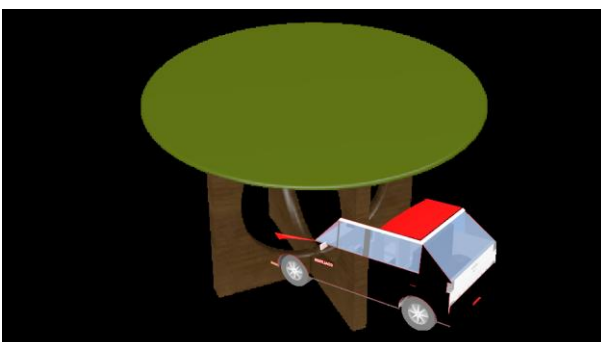
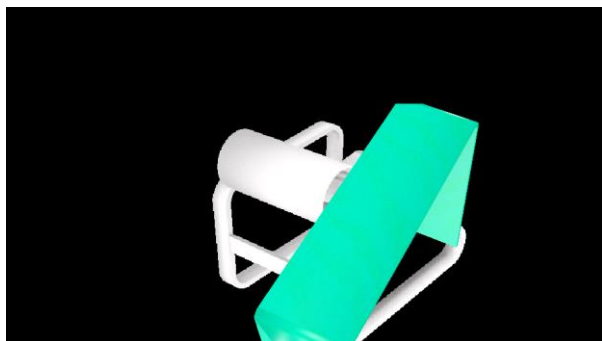


can

ShapeNet Occluded Data



ShapeNet Occluded Data



Dataset of discrete rotational symmetry prediction

Subset	Order	#View	#Object
Train	0, 4, 5, 6	2000	200
Test	0, 4, 5, 6	500	50



Examples of object in the dataset