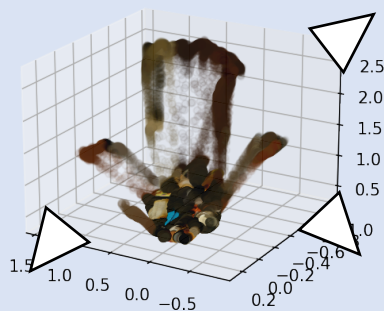


Camera Pose and Dense Point Estimation



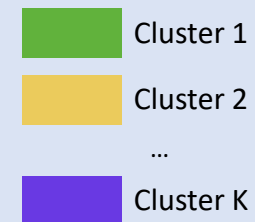
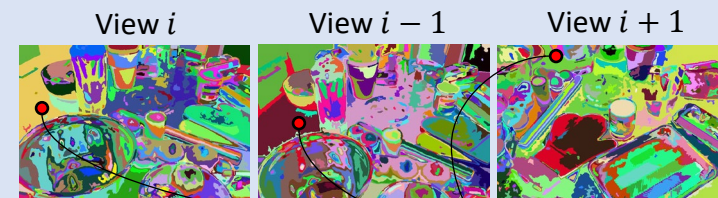
Pixel-wise dense point clouds
+ Camera poses

2D Segmentation

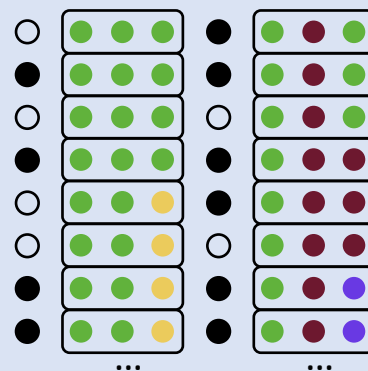


Segmentation of N views

Segment-Aware 3D Labeling

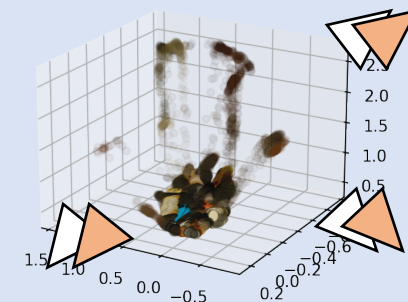


Downsampling



○ Unselected
● Random Selected

Gaussian Initialization + Joint Optimization



Downsampled point clouds

▷ Original Camera poses
▷ Optimized Camera poses