*Incomplete RGB-D Scan*

**S⁴R**

**Self-supervised geometry and color training**

Diff. render

2D loss

Real RGB
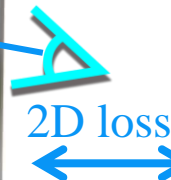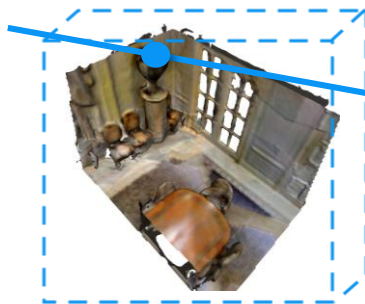
**Self-and pseudo-supervised semantic training**

Diff. render

2D loss

Pseudo GT
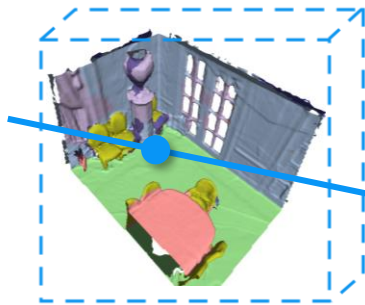
*Complete Semantic Reconstruction*