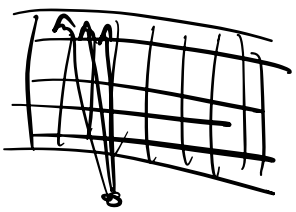
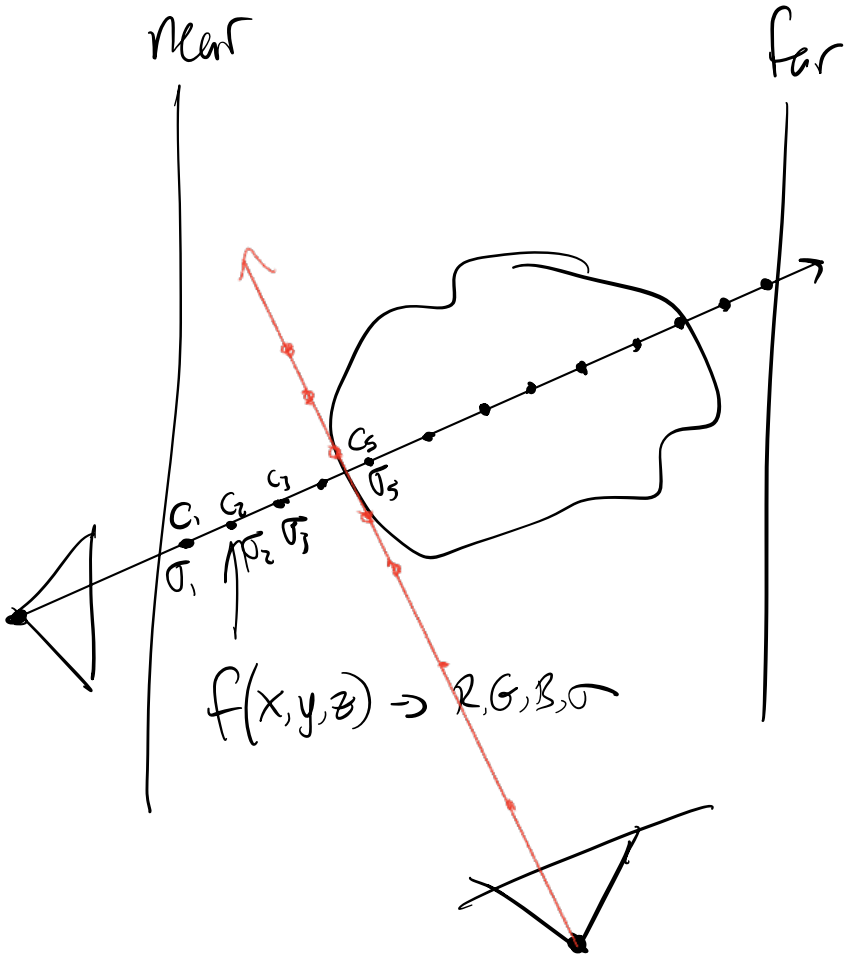
$\| \hat{I}_1 - I_1 \|_2$





$$\hat{C}(\vec{r}) = \sum_{i=0}^{N} w_i(\sigma_i) \; c_i$$