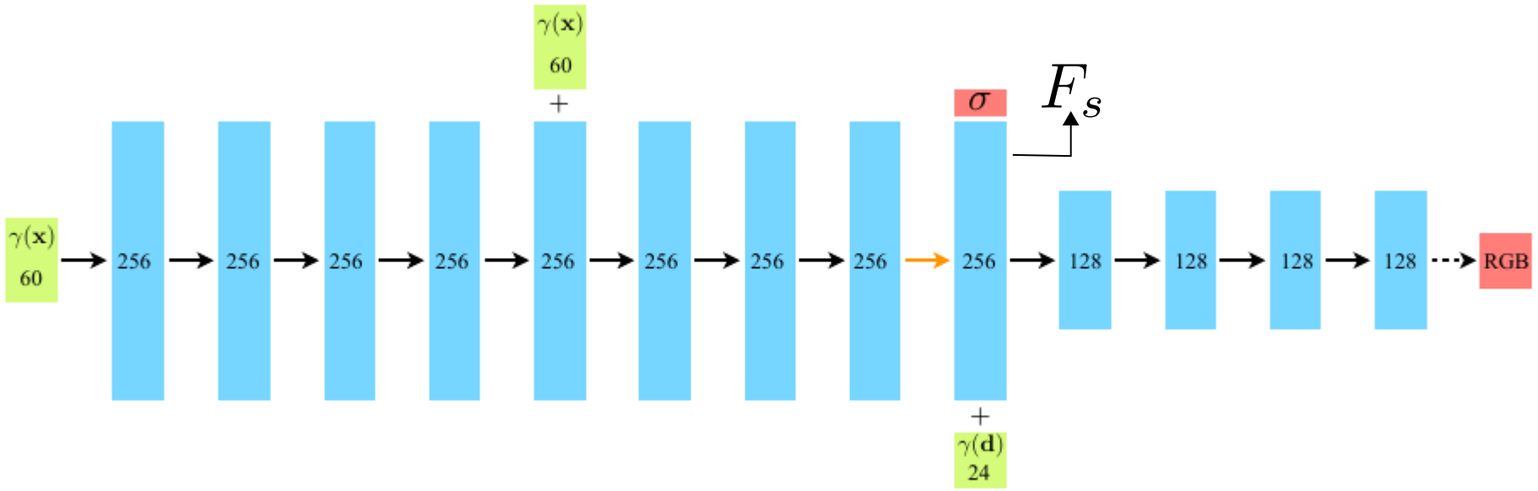

Distance between adjacent samples $\delta_i = t_{i+1} - t_i$

Accumulated transmittance along the ray from near to far depth $T_i = \exp\left(-\sum_{j=1}^{i-1} \sigma_j \delta_j\right)$

Weight of each sample ray for alpha composition $w_i = T_i(1 - \exp(-\sigma_i \delta_i))$

Final color of a ray $C(r) = \sum^N w_i c_i$

Final semantic feature of a ray $F(r) = \sum^N w_i F_i$

NERF

A naive extension to predict semantic