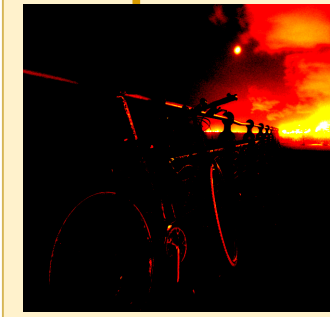


FeatEnhancer



Input Image

$$I \in \mathbb{R}^{H \times W \times 3}$$

$$I_q \in \mathbb{R}^{\frac{H}{4} \times \frac{W}{4} \times 3}$$

$$I_o \in \mathbb{R}^{\frac{H}{8} \times \frac{W}{8} \times 3}$$

Feature Enhancement Network

$$F \in \mathbb{R}^{H \times W \times 24}$$

$$F_q \in \mathbb{R}^{\frac{H}{4} \times \frac{W}{4} \times 24}$$

$$F_o \in \mathbb{R}^{\frac{H}{8} \times \frac{W}{8} \times 24}$$

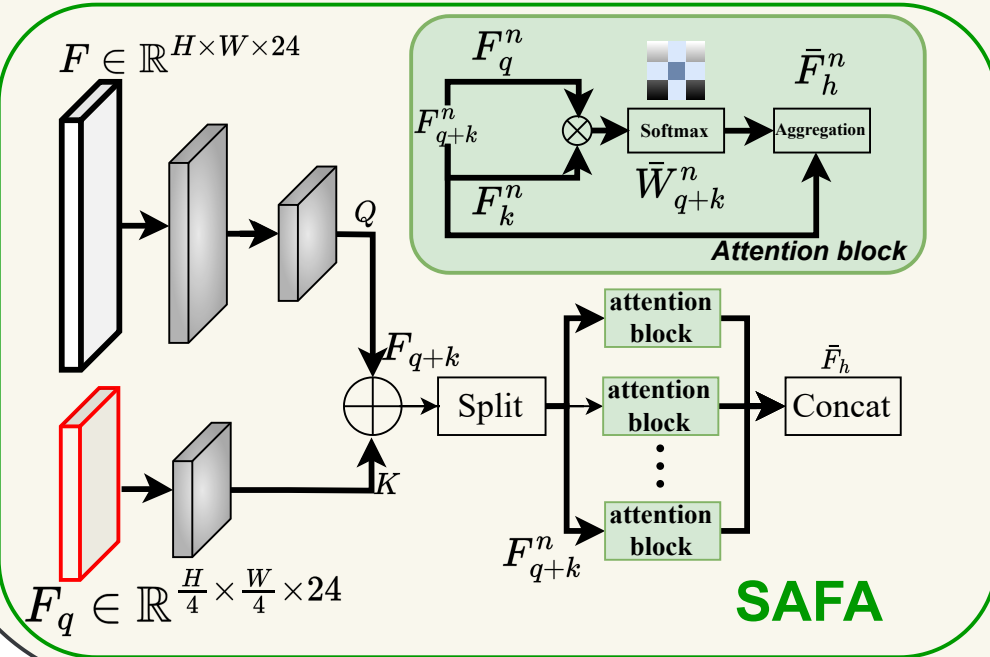


Enhanced Image

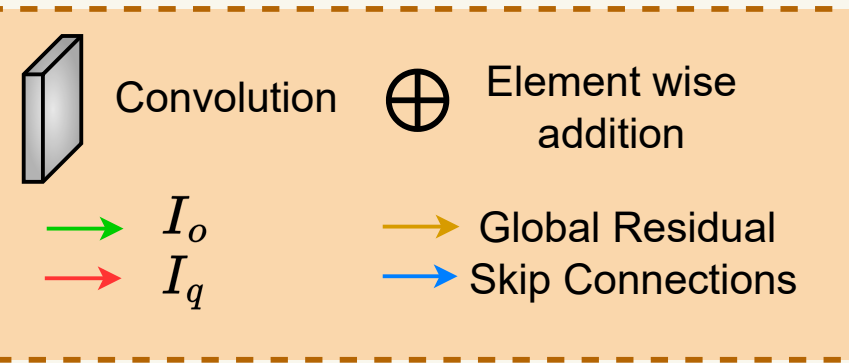
Task Specific Network

Task Specific Loss

$$F \in \mathbb{R}^{H \times W \times 24}$$



SAFA



Hierarchical Representation

