

Original image :

$$\mathbf{x} = G(\mathbf{z}) \equiv f(\mathbf{r}) \equiv f(\mathbf{r}_{U,P}, \mathbf{r}_{\overline{U,P}})$$

Image with U ablated at pixels P :

$$\mathbf{x}_a = f(\mathbf{0}, \mathbf{r}_{\overline{U,P}})$$

Image with U inserted at pixels P :

$$\mathbf{x}_i = f(\mathbf{k}, \mathbf{r}_{\overline{U,P}})$$