Image with partial ablation at pixels P: Image with partial insertion at pixels P:

Objective:

 $\mathbf{x}_a' = f((\mathbf{1} - \boldsymbol{\alpha}) \odot \mathbf{r}_{\mathbb{U},P}, \ \mathbf{r}_{\mathbb{U},\overline{P}})$ $\mathbf{x}_i' = f(\boldsymbol{\alpha} \odot \mathbf{k} + (1 - \boldsymbol{\alpha}) \odot \mathbf{r}_{\mathbb{U}.P}, \ \mathbf{r}_{\mathbb{U}.\overline{P}})$

$$\mathbf{x}_i = \mathbf{y}$$

$$\delta_{\mathbf{x} \to c} = \mathbb{F}$$

$$\delta_{oldsymbol{lpha}
ightarrow c} = \mathbb{E}_{\mathbf{z},\mathrm{P}}\left[\mathbf{s}_c(\mathbf{x}_i')
ight] - \mathbb{E}_{\mathbf{z},\mathrm{P}}\left[\mathbf{s}_c(\mathbf{x}_a')
ight],$$