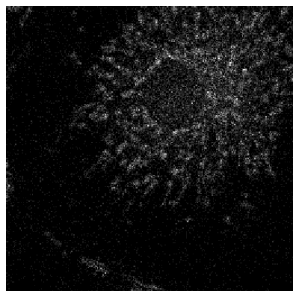
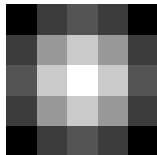
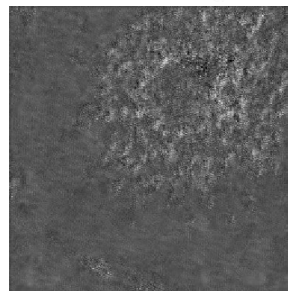


$y$  $\mathbf{k}$  $\mathbf{K}$  $f^{\text{CNN}}(\hat{\mathbf{x}}_k)$  $\alpha$ 

$$\hat{\mathbf{x}}_{k+1} = \hat{\mathbf{x}}_k - \beta [\mathbf{K}^\top (\mathbf{K} \hat{\mathbf{x}}_k - \mathbf{y}) + e^\alpha f^{\text{CNN}}(\hat{\mathbf{x}}_k)]$$

 $\hat{\mathbf{x}}_{k+1} \downarrow$ 