

 $oldsymbol{z} = oldsymbol{f}_{oldsymbol{y}, \phi(\hat{\mathbf{x}}, \hat{\mathbf{y}})}(oldsymbol{x}), \, oldsymbol{x} \sim p_{\phi(\hat{\mathbf{x}}, \hat{\mathbf{y}})}(oldsymbol{x} | oldsymbol{y})$

