

comparative review general lossy compression framework novel image compression algorithm sampling algorithms

[illegible]
$$\dot{X}_1, X_2, \dots, X_n$$
loss-
less
lossy

?

$$\vec{x} \in \mathbb{R}^N$$
$$\begin{matrix} \vec{x} \\ \vec{x}_N \end{matrix} \in \mathbb{R}^N$$
lossy
en-
coder

Lossless code

???

$$\vec{x} \circ C^{-1}$$

distortion

rate

$$d(\cdot, \cdot) :$$
$$\begin{aligned} \vec{D} &\rightarrow \\ D &= d(\vec{x}, \hat{\vec{x}})p(\hat{\vec{x}}). \end{aligned}$$
 d_{L_2}
$$d(\vec{x}, \hat{\vec{x}}) = \frac{1}{N} \sum_i^N (x_i - \hat{x}_i)^2, =^N.$$

?