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$360°$
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comparative review
general
compression
framework
novel
image
compression
algorithm
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approximate
sampling
algorithm
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S
$X_1, X_2, , X_n$
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lossless
lossy
$\vec{x} \in^N$
$C \circ$
$\vec{\hat{x}} \in^N$
$\hat{x}$
C
N
lossy
encoder
lossless
code
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$\hat{x}$
$\circ C^{-1}$
distortion
$\hat{x}$
$\vec{x}$
rate
$\vec{x}$
$d(\cdot, \cdot):$
$\times \to$
D
$D = d(\vec{x}, \vec{\hat{x}}) p(\vec{\hat{x}}).$

d
L_2
$$d(\vec{x}, \vec{\hat{x}}) = \frac{1}{N} \sum_i^N (x_i - \hat{x}_i)^2, =^N .$$

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perceptual
tual