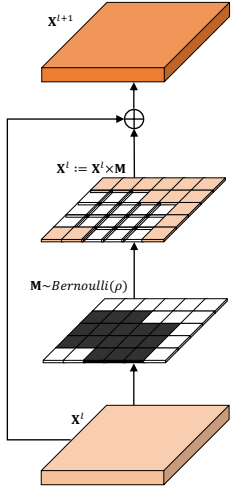
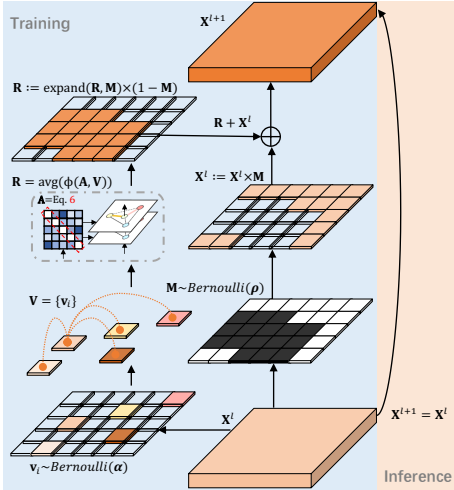


DropBlock



DropGraph

Algorithm 1 DropGraph

Input: $\mathbf{X} \in \mathbb{R}^{w \times h \times c}$, $mode$, s, ρ, and α.

Output: $\mathbf{X} \in \mathbb{R}^{w \times h \times c}$

if $mode$ == *Inference* **then**
  return $\mathbf{X}$
end if
########initialize########
$\mathbf{V} = \texttt{sample}(\alpha, \mathbf{X})$
$\mathbf{M} = \texttt{sample}(\rho, \mathbf{X}, s)$
####generate distortions####
$\mathbf{A} \leftarrow$ Eq. 6
$\mathbf{R} = \texttt{average}(\Phi(\mathbf{A}, \mathbf{V}))$
$\mathbf{R} = \texttt{expand}(\mathbf{R}, \mathbf{M})$
#####apply distortions#####
$\mathbf{X} = \mathbf{X} \cdot \mathbf{M} + \mathbf{R} \cdot (1 - \mathbf{M})$
return $\mathbf{X}$