

$$\| h_{gen}^{(5)} - h_c^{(5)} \|_2 = L_c \cdot h \cdot w \cdot c$$

$$(l_1, l_2, \dots, l_n)$$

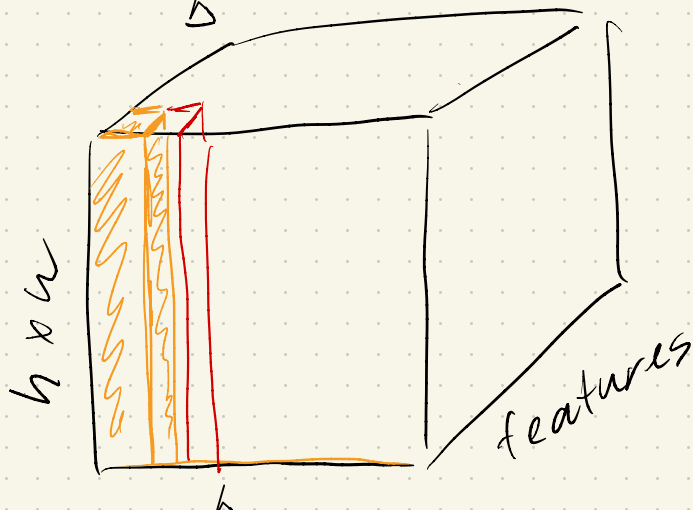
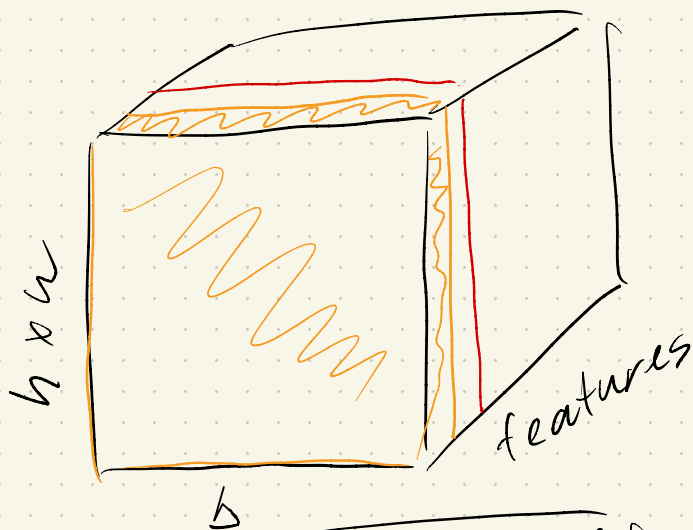
$$h \times w$$

$$G_{n \times n} = \begin{pmatrix} \langle l_1, l_1 \rangle & \langle l_1, l_2 \rangle & \dots & \langle l_1, l_n \rangle \\ \vdots & \vdots & \ddots & \vdots \\ \langle l_n, l_1 \rangle & \langle l_n, l_2 \rangle & \dots & \langle l_n, l_n \rangle \end{pmatrix}$$

$$G_{ij} = \langle l_i, l_j \rangle$$

$$\|G_{\text{gen.}} - G_s\| = L_s$$

$$L = \alpha L_{\text{content}} + (1 - \alpha) L_{\text{style}}$$

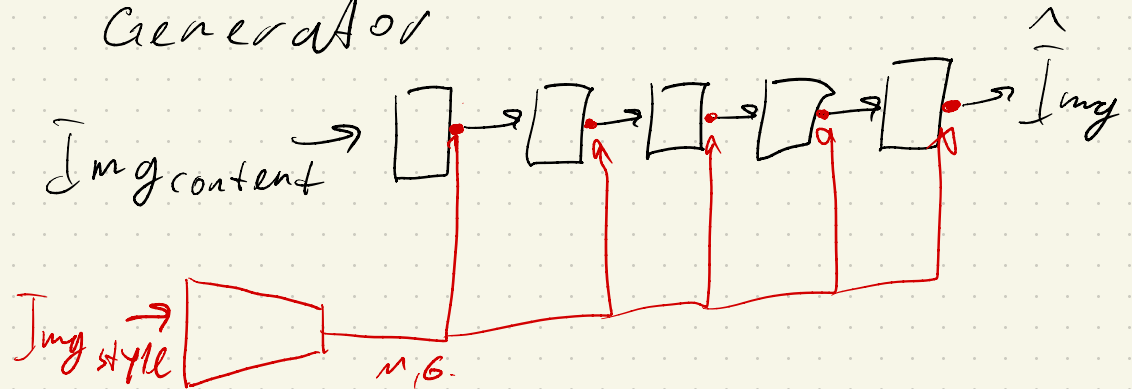


$$\frac{h - M(h)}{\sigma(h)} \cdot \sigma_{style} + M_{style}$$

Add Inj

adaptive Instance
normalization

Generator



512.
 w_1, w_2, \dots, w_n
 $\downarrow \quad \downarrow \quad \downarrow$

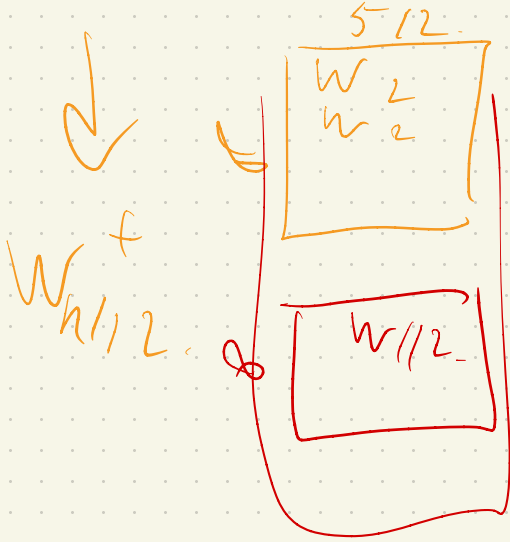
$w_1^t, w_2^t, \dots, w_n^t$

(16, 512)

$\lfloor n/2 \rfloor$

0, 8, 5, ..., 3

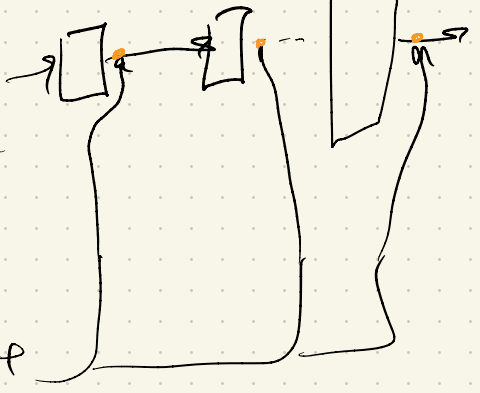
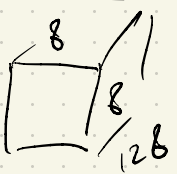
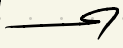
$w_1^t, w_2^t, \dots, w_{n/2-1}^t$
 $w_{n/2}^t, w_{n/2+1}^t, \dots, w_n$



w^1

$$16 \times 5/12 \times n/12.$$

$E_{cont.}$



E_{style}

$\rightarrow W \rightarrow w^+$