

LOSS:-

Content Loss: -
$$L(G) = \alpha L_{content}(C,G) + \beta L(S,G)$$

Total

Total

OF GIVE

$$L_{content} = \frac{1}{2} \| a^{2} [c] - a^{2} [G] \|^{2}$$

Lstyle
$$G_{ij}^{l} = \sum_{k} g_{ik}^{l} g_{jk}^{l}$$
 Basically just multiplying output of a layer with its transpose.

 $S_{ij}^{l} = \sum_{k} S_{ik}^{l} S_{jk}^{l}$ M= AAT

 $M = AAT$

$$L_{\text{style}}(g_1 s) = \sum_{ij} (G_{ij}^{\ell} - S_{ij}^{\ell})^2$$