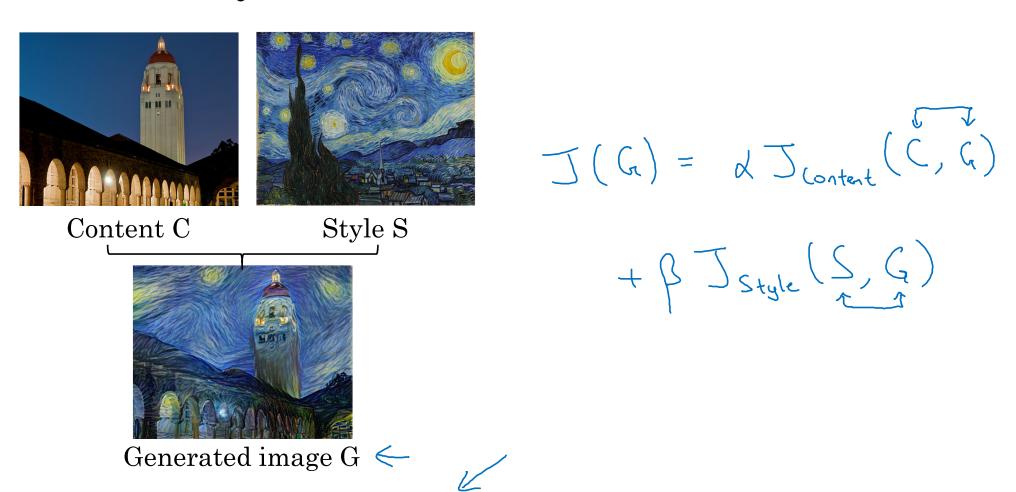


## Neural Style Transfer

## Cost function

## Neural style transfer cost function



[Gatys et al., 2015. A neural algorithm of artistic style. Images on slide generated by Justin Johnson] Andrew Ng

## Find the generated image G

1. Initiate G randomly

$$\underline{G}: \underline{100} \times \underline{100} \times \underline{3}$$

2. Use gradient descent to minimize J(G)

$$G := G - \frac{\lambda}{\lambda G} J(G)$$











