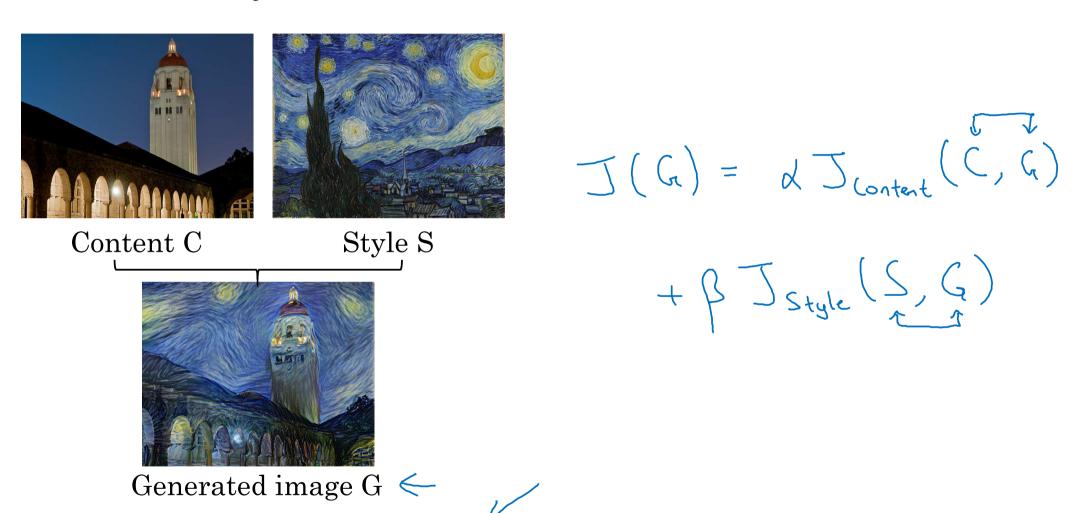


Neural Style Transfer

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

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

2. Use gradient descent to minimize J(G)

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













[Gatys et al., 2015. A neural algorithm of artistic style]

Andrew Ng