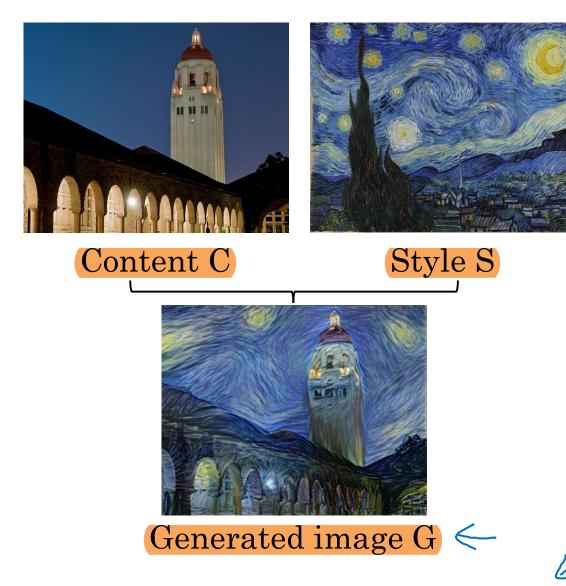


Neural Style Transfer

Cost function

Neural style transfer cost function



$$J(G) = d J_{content}(G, G)$$

$$+ \beta J_{style}(S, G)$$

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

Find the generated image G

1. Initiate G randomly

$$G: 100 \times 100 \times 3$$

2. Use gradient descent to minimize J(G)

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





