

Neural Style Transfer

Content cost function

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$$\underline{J(G)} = \alpha \underline{J_{content}(C,G)} + \beta J_{style}(S,G)$$

- Say you use hidden layer *l* to compute content cost.
- Use pre-trained ConvNet. (E.g., VGG network)
- Let $\underline{a^{[l](C)}}$ and $\underline{a^{[l](G)}}$ be the activation of layer l on the images

Andrew Ng