

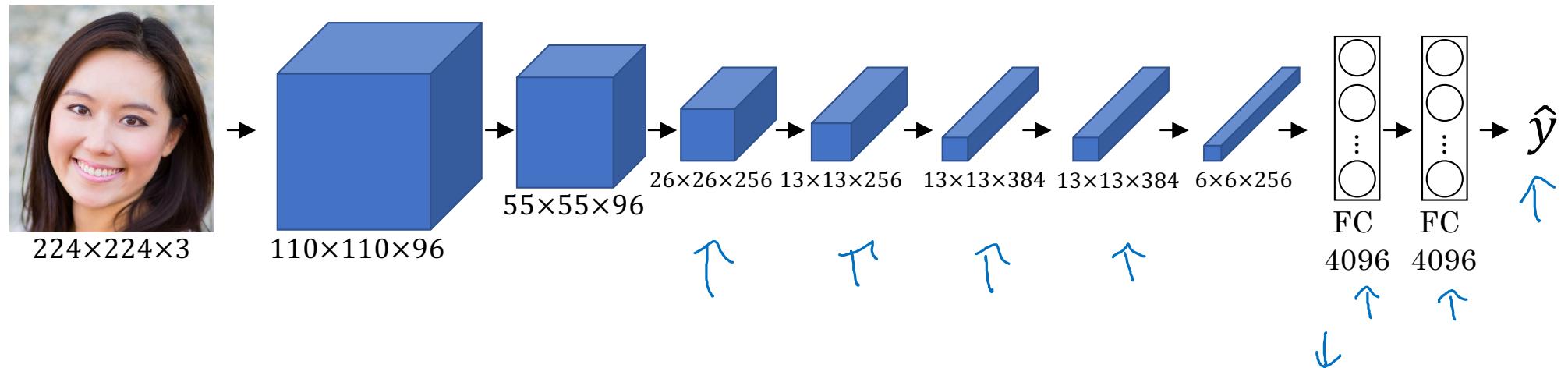


deeplearning.ai

Neural Style Transfer

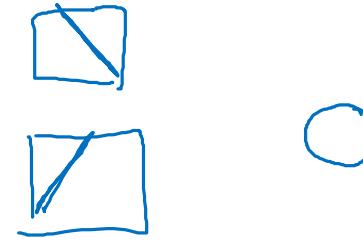
What are deep
ConvNets learning?

Visualizing what a deep network is learning

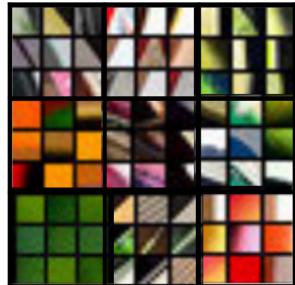


Pick a unit in layer 1. Find the nine image patches that maximize the unit's activation.

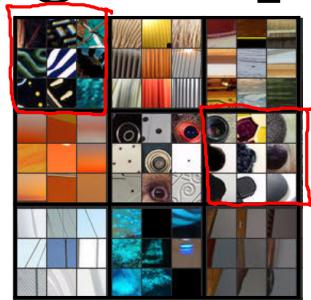
Repeat for other units.



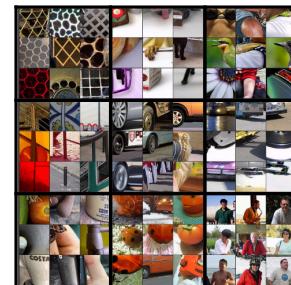
Visualizing deep layers



Layer 1



Layer 2



Layer 3



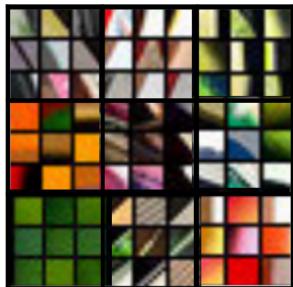
Layer 4



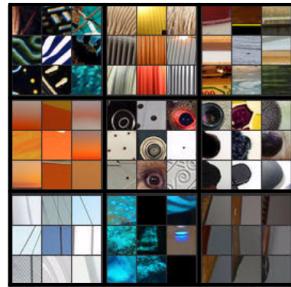
Layer 5

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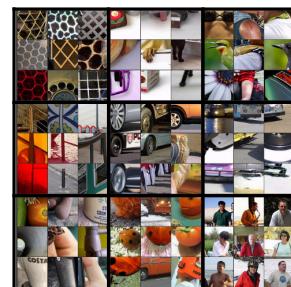
Visualizing deep layers: Layer 1



Layer 1



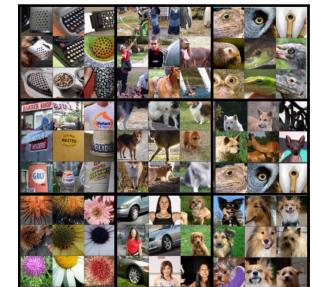
Layer 2



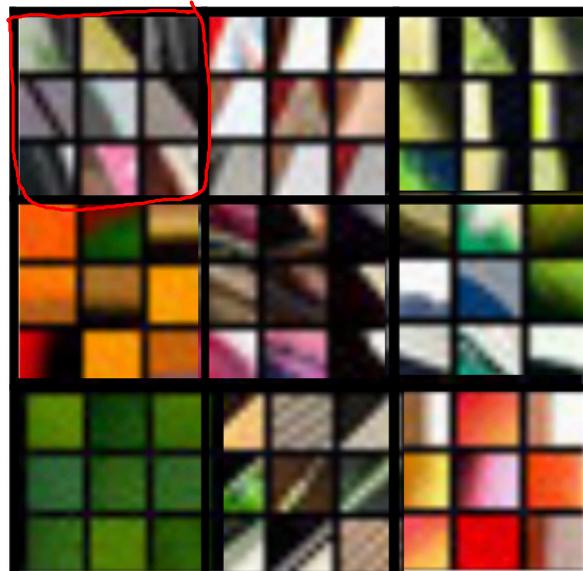
Layer 3



Layer 4

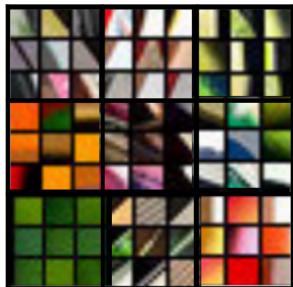


Layer 5

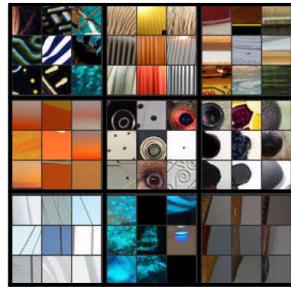


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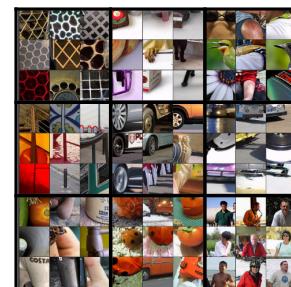
Visualizing deep layers: Layer 2



Layer 1



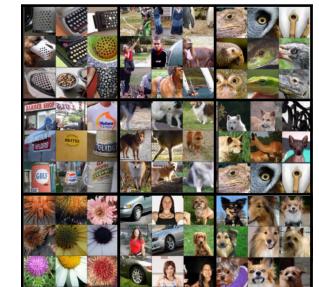
Layer 2



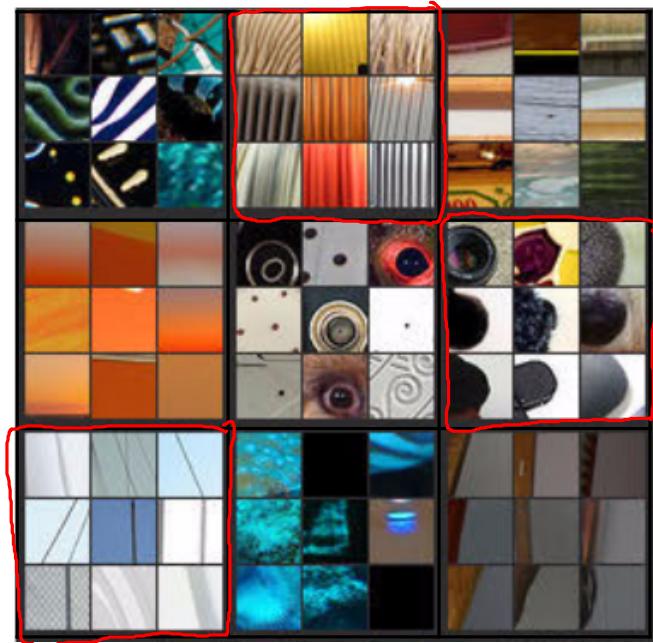
Layer 3



Layer 4

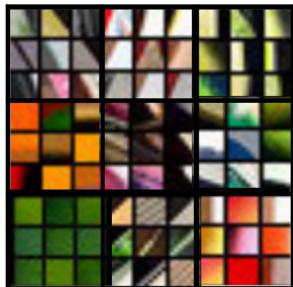


Layer 5

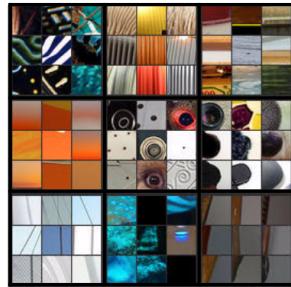


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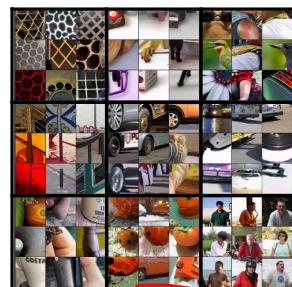
Visualizing deep layers: Layer 3



Layer 1



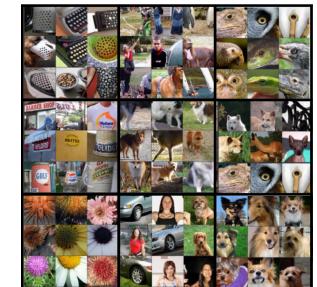
Layer 2



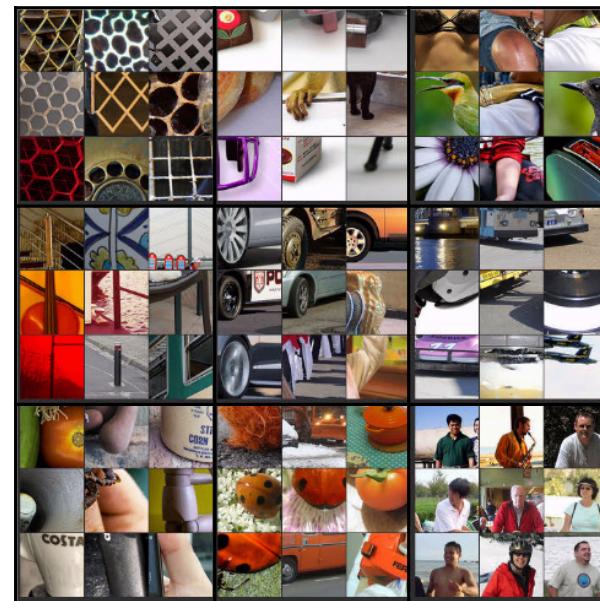
Layer 3



Layer 4

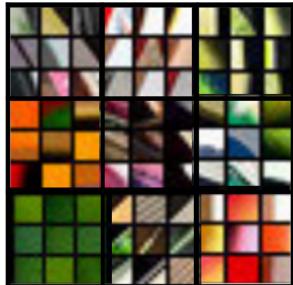


Layer 5

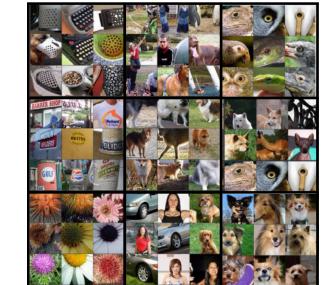
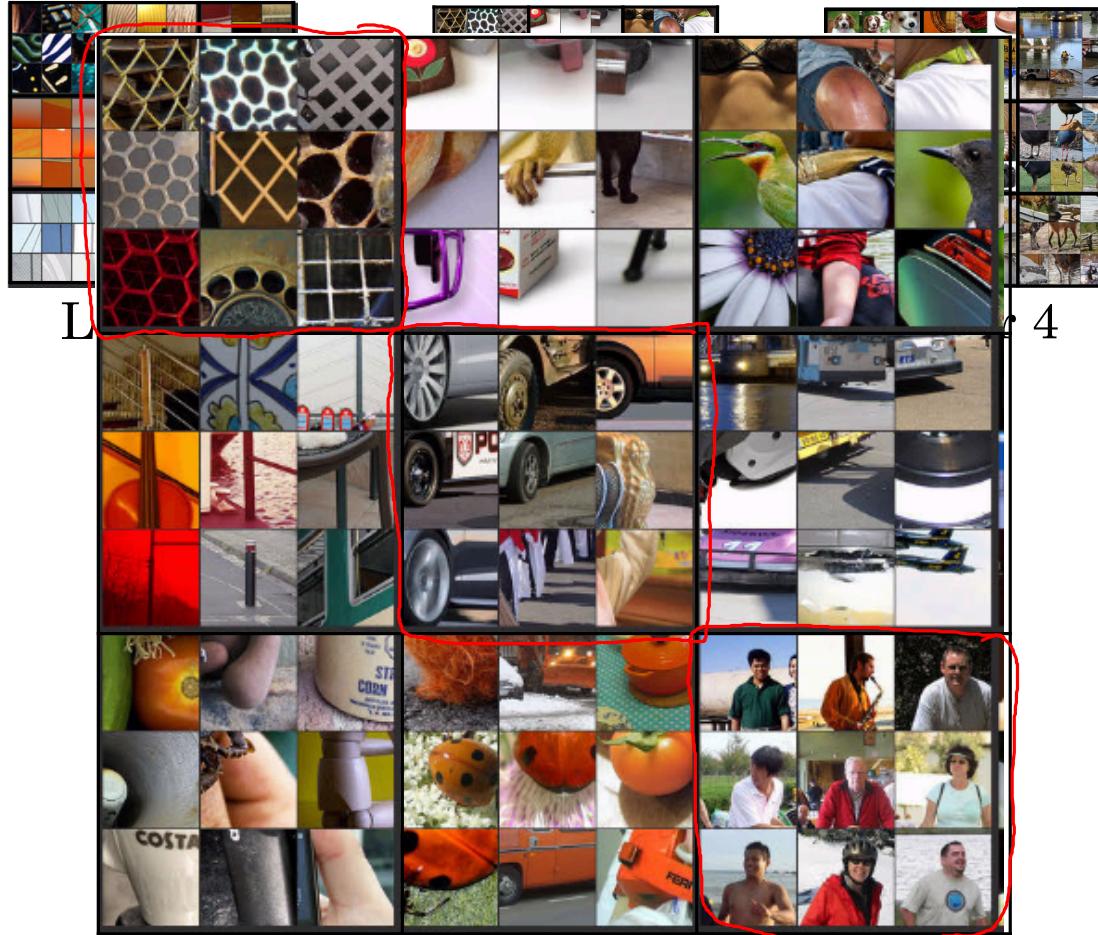


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Visualizing deep layers: Layer 3



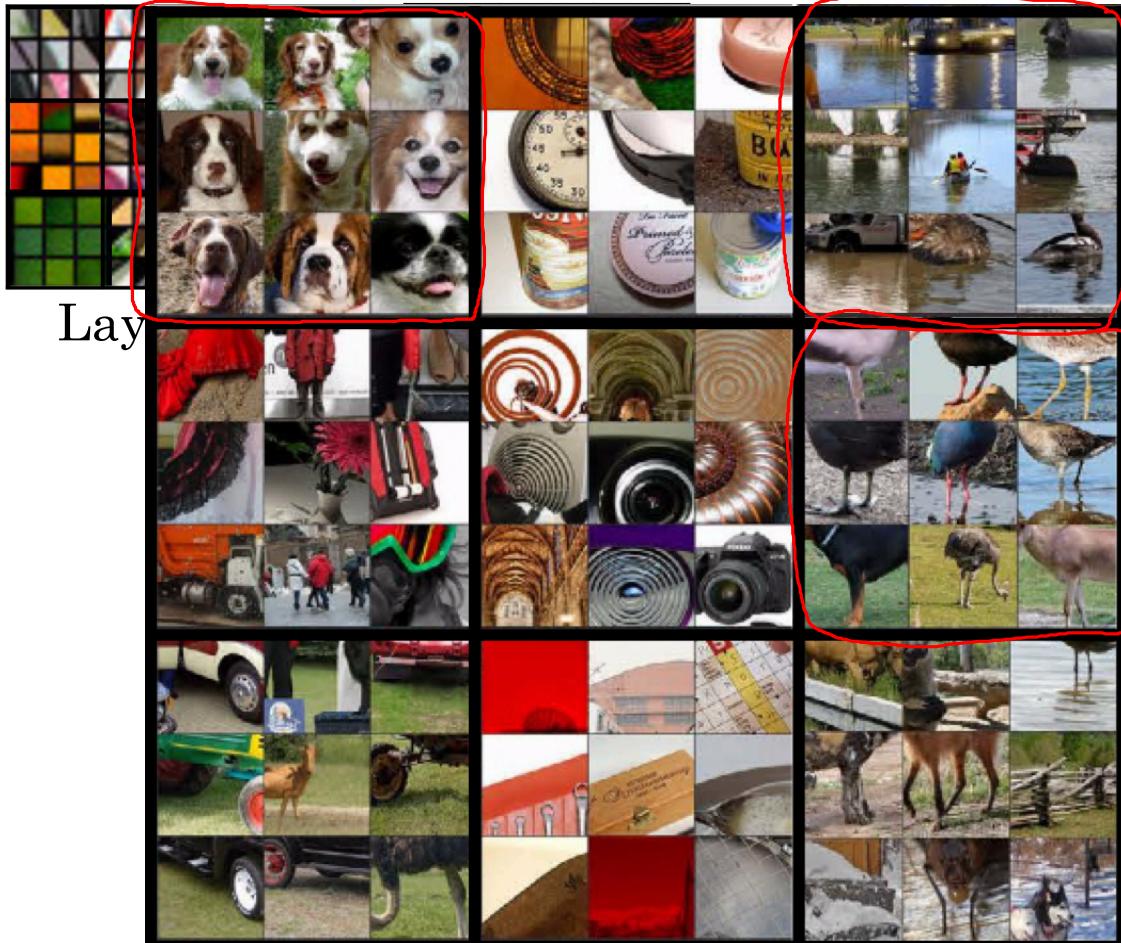
Layer 1



Layer 5

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Visualizing deep layers: Layer 4



Lay



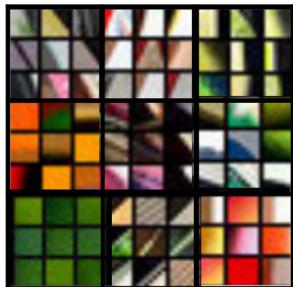
Layer 4



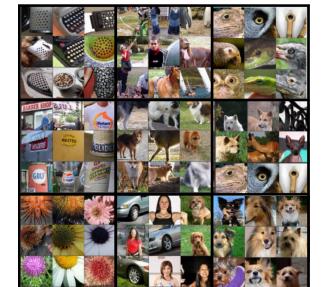
Layer 5

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Visualizing deep layers: Layer 5



Layer 1



Layer 5

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