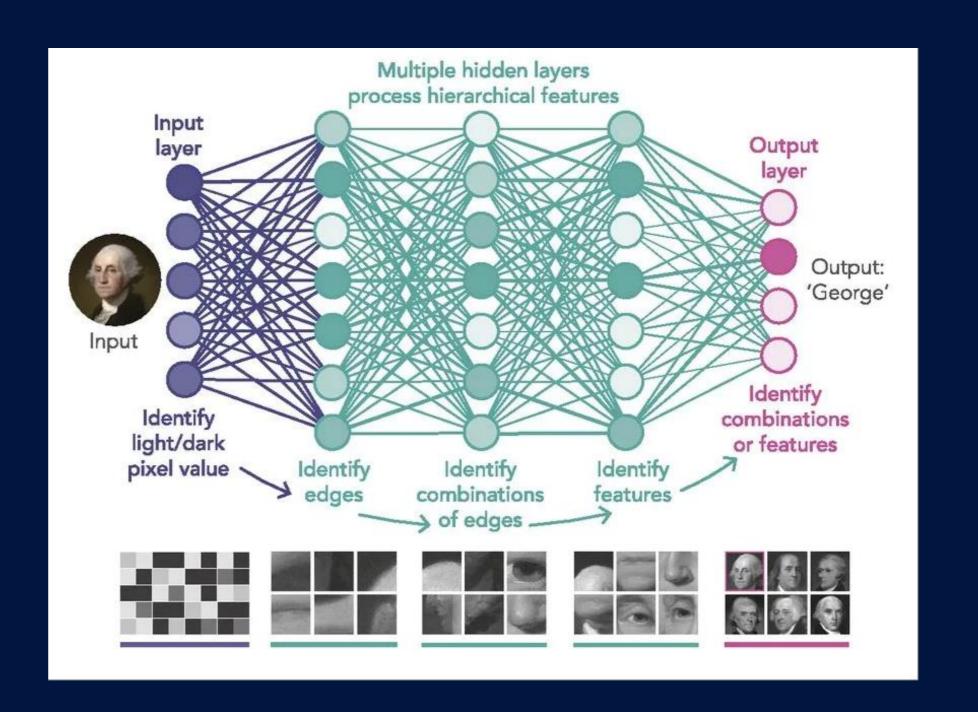
Foundations of DL in CV: Convolutional Layers

Lecturer: Mahdi S. Hosseini

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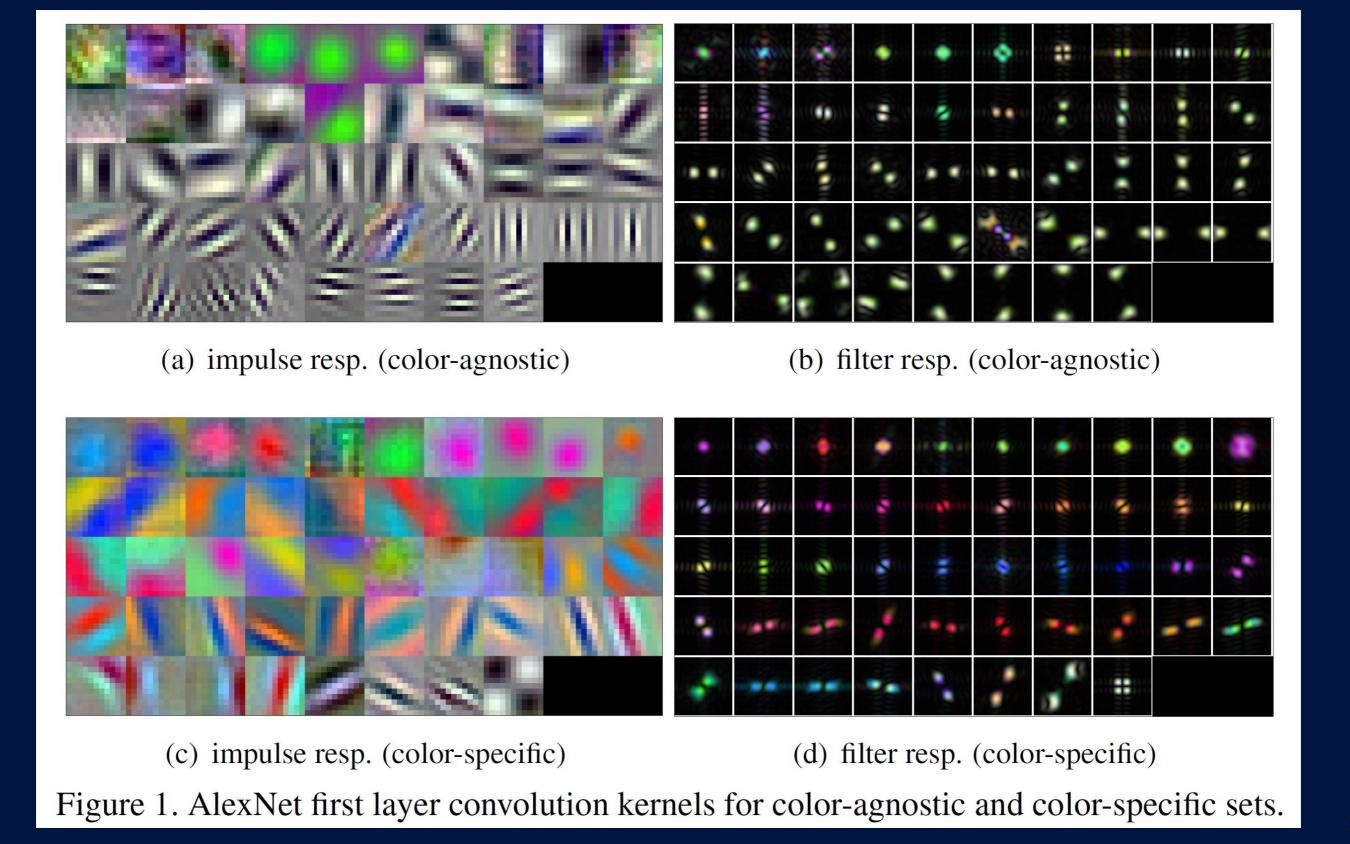
Today's Topics

- Convolution of Signals and Images
- Convolutional Layer in CNN
- Layers of CNN and How They Work in General?

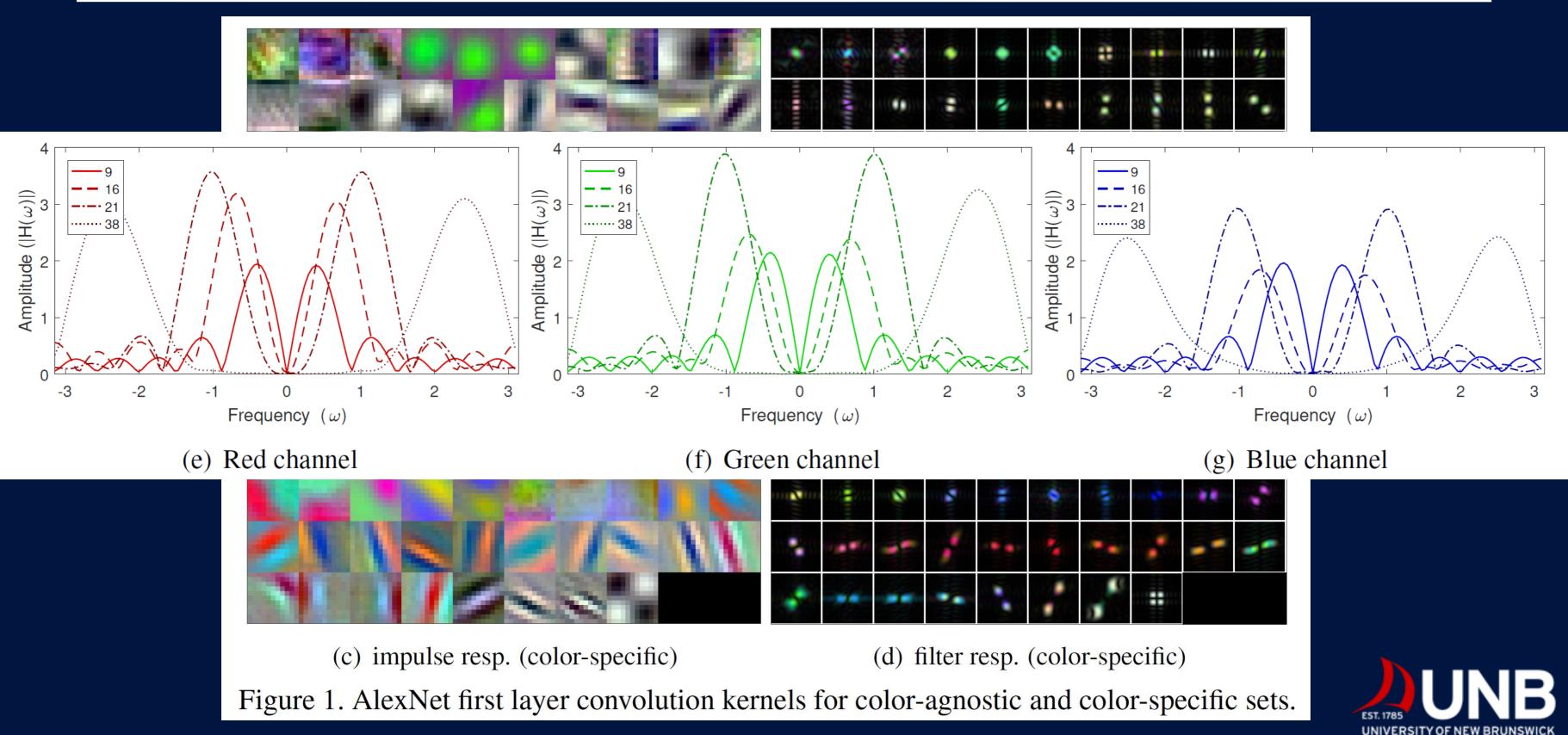


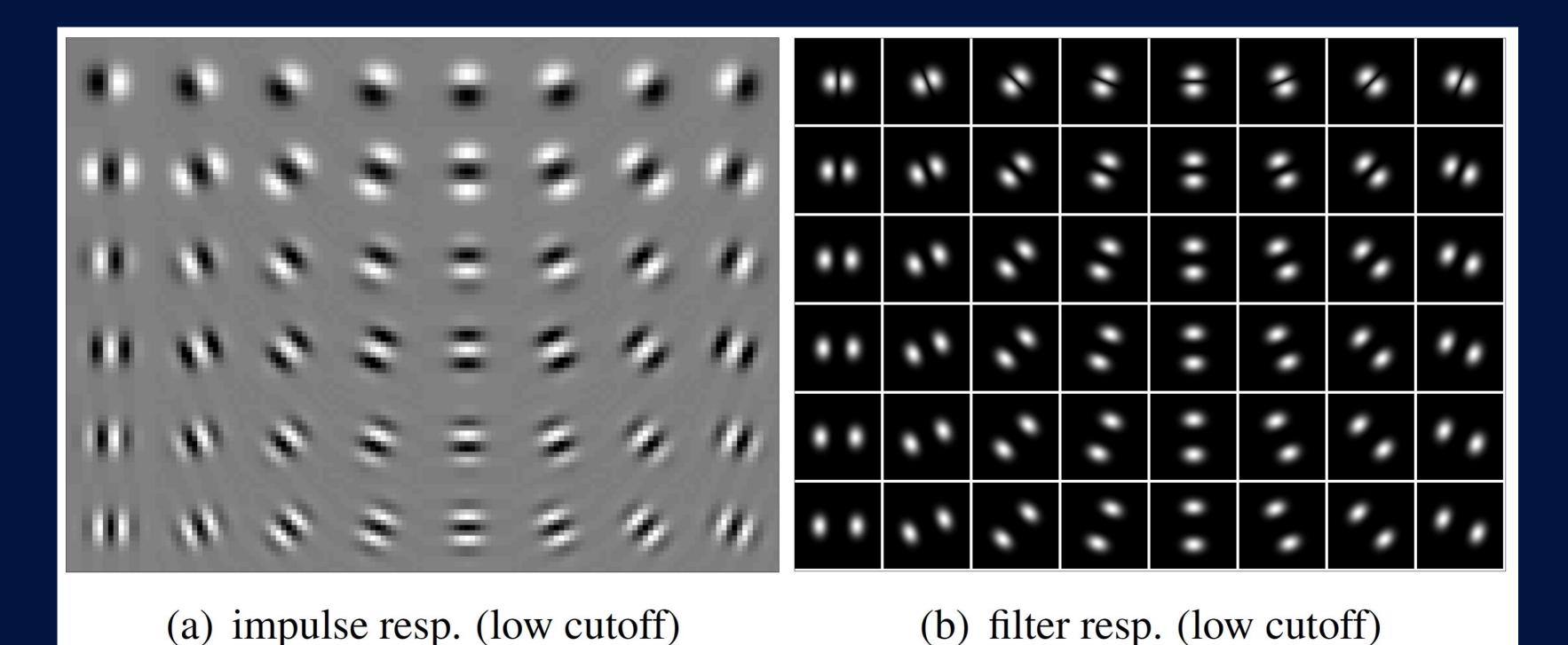
Convolution of Signals and Images Theorem



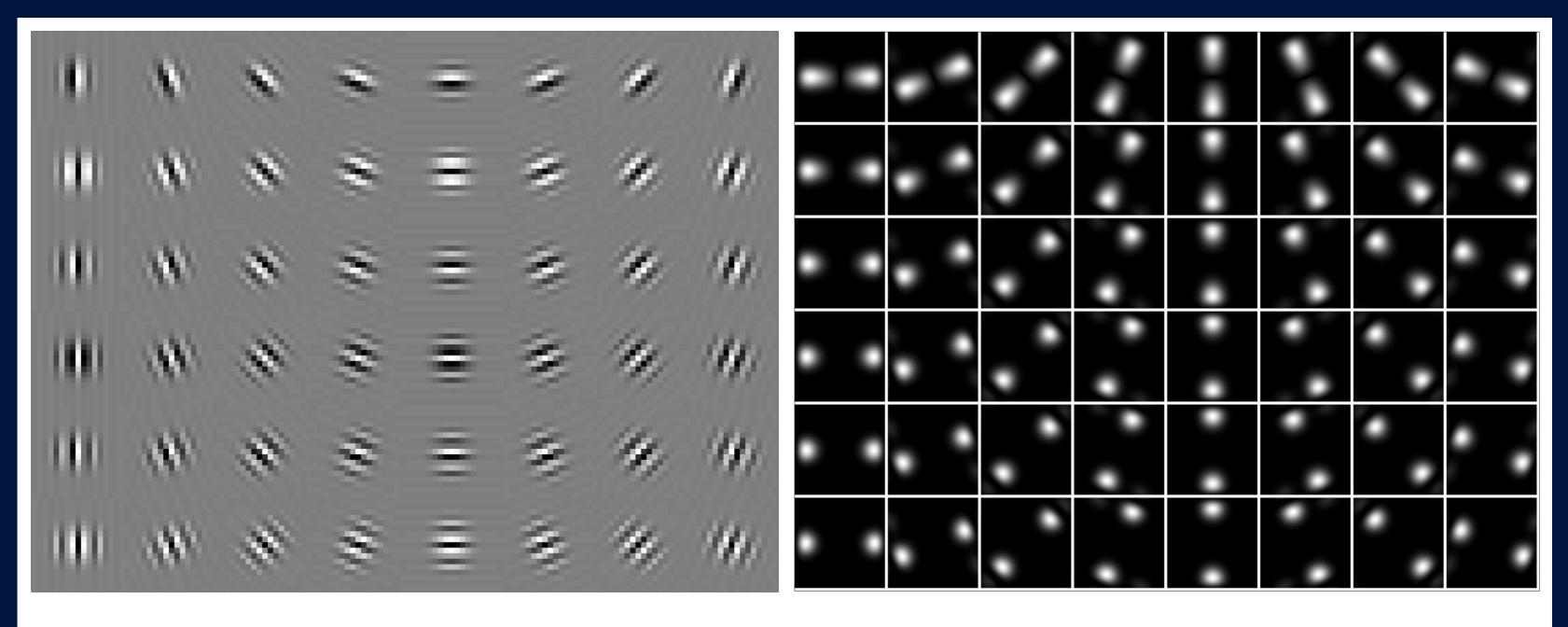


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(c) impulse resp. (high cutoff)

(d) filter resp. (high cutoff)



Convolutional Layers in CNN

