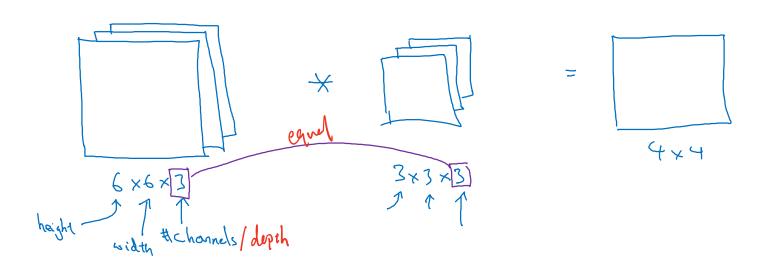
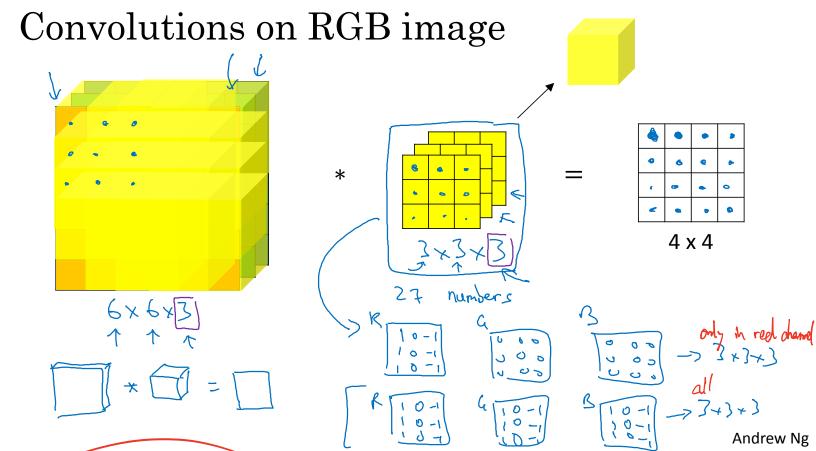


## Convolutional Neural Networks

## Convolutions over volumes

## Convolutions on RGB images





## Multiple filters Volid edge 3 x 3 x 3 4 x/4harisonth edge 4x4x2 6 x 6 x 3 channels 3 x 3 x 3

 $4 \times 4$