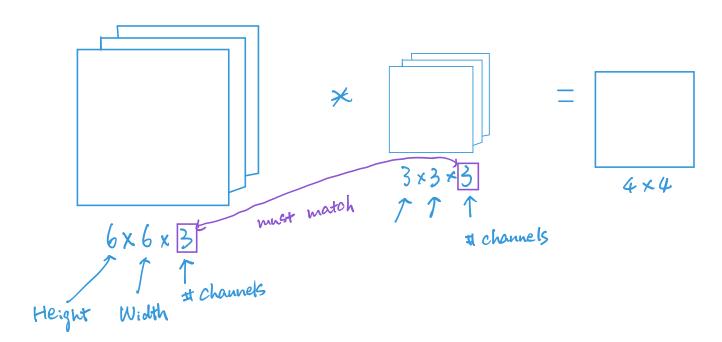


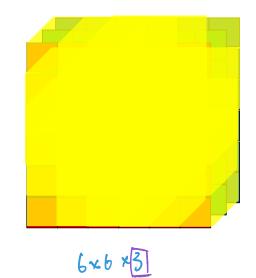
Convolutional Neural Networks

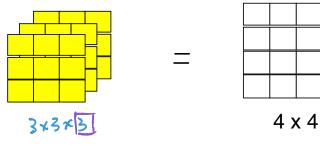
Convolutions over volumes

Convolutions on RGB images



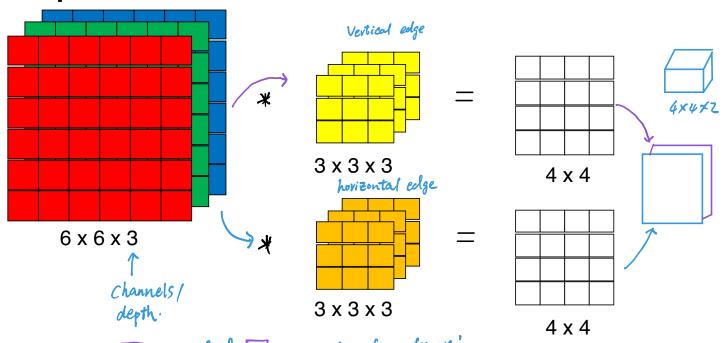
Convolutions on RGB image







Multiple filters



Summary: $n \times n \times [nc] \times f \times f \times [nc] \longrightarrow n - f + \times n + f + \times n + c'$ $6 \times 6 \times 3$ $3 \times 3 \times 3$ $4 \times 4 \times 2$ 7 + of fitters

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