

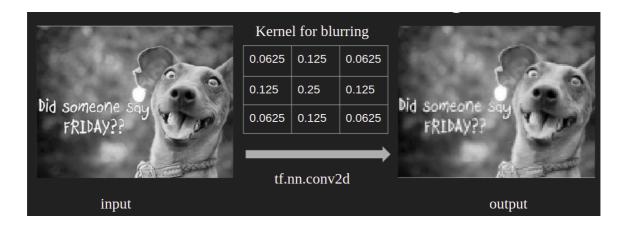
Slide-7-Convnets-in-TensorFlow

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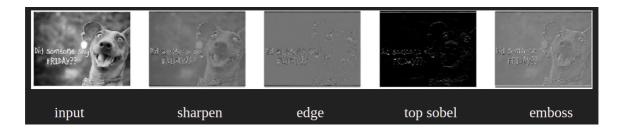
@Apr 13, 2021 10:06 AM

Understanding the convolutions

- ▼ Intiuative of convolution in math?
 a function derived from two given functions by integration that expresses how the shape of one is modified by the other
- ▼ What happen if convol the kernel without training?



- ▼ List some basic kernel?
 - sharpen
 - edge
 - top sobel
 - emboss

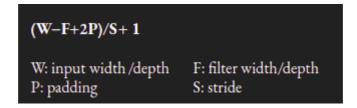


▼ The main point of kernel in Deep Learning?

We try to tearn the parameters of kernels ⇒ dont hard code the kernel

ConvNet with MNIST and tf.layers

▼ The formular for calculate dimension output?



- ▼ Some poplular layers we use for DL?
 - tf.layers.conv2d
 - tf.layers.max_pooling2d
 - tf.layers.dense