

Exercise

A Convolutional layer of a CNN has an RGB input of 64x64 pixels and it's made of 8 filters of size 5x5, a stride of 2 and zero padding. What is the number of parameters of this layer?

$$3 \times 5 \times 5 \times 8 + 8$$

For the above layer. What are the dimensions of the resulting feature maps?

$$32 \times 32 \times 8$$