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TensorFlow API r1.4

tf.keras.backend.conv3d

```
conv3d(
    x,
    kernel,
    strides=(1, 1, 1),
    padding='valid',
    data_format=None,
    dilation_rate=(1, 1, 1)
)
```

Defined in tensorflow/python/keras/_impl/keras/backend.py.

3D convolution.

Arguments:

- x: Tensor or variable.
- kernel: kernel tensor.
- strides: strides tuple.
- padding: string, "same" or "valid".
- data_format: "channels_last" or "channels_first". Whether to use Theano or TensorFlow data format for inputs/kernels/outputs.
- dilation_rate: tuple of 3 integers.

Returns:

A tensor, result of 3D convolution.

Raises:

ValueError: if data_format is neither channels_last or channels_first.

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