TensorFlow   API r1.4

tf.keras.backend.pool3d

```
pool3d(
    x,
    pool_size,
    strides=(1, 1, 1),
    padding='valid',
    data_format=None,
    pool_mode='max'
)
```

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

3D Pooling.

Arguments:

- `x` : Tensor or variable.
- `pool_size` : tuple of 3 integers.
- `strides` : tuple of 3 integers.
- `padding` : one of `"valid"` , `"same"` .
- `data_format` : one of `"channels_first"` , `"channels_last"` .
- `pool_mode` : one of `"max"` , `"avg"` .

Returns:

A tensor, result of 3D pooling.

Raises:

- `ValueError` : if `data_format` is neither `channels_last` or `channels_first` .
- `ValueError` : if `pool_mode` is neither `max` or `avg` .

Last updated November 2, 2017.

Stay Connected

Blog

GitHub

Twitter

Support

Issue Tracker

Release Notes

Stack Overflow

English

Terms | **Privacy**