TancarFlow

TensorFlow API r1.4

tf.spectral.dct

```
dct(
    input,
    type=2,
    n=None,
    axis=-1,
    norm=None,
    name=None
)
```

Defined in tensorflow/python/ops/spectral_ops.py.

See the guide: Spectral Functions > Discrete Cosine Transforms

Computes the 1D Discrete Cosine Transform (DCT) of input.

Currently only Type II is supported. Implemented using a length **2N** padded **tf.spectral.rfft**, as described here: https://dsp.stackexchange.com/a/10606

Args:

- input: A [..., samples] float32 Tensor containing the signals to take the DCT of.
- type: The DCT type to perform. Must be 2.
- n: For future expansion. The length of the transform. Must be None.
- axis: For future expansion. The axis to compute the DCT along. Must be -1.
- norm: The normalization to apply. None for no normalization or 'ortho' for orthonormal normalization.
- name: An optional name for the operation.

Returns:

A [..., samples] float32 Tensor containing the DCT of input.

Raises:

• ValueError: If type is not 2, n is not None, axis is not-1, or norm is not None or 'ortho'.

scipy compatibility

Equivalent to scipy.fftpack.dct for the Type-II DCT. https://docs.scipy.org/doc/scipy-0.14.0/reference/generated/scipy.fftpack.dct.html

Except as otherwise noted, the content of this page is licensed under the Creative Commons Attribution 3.0 License, and code samples are licensed under the Apache 2.0 License. For details, see our Site Policies. Java is a registered trademark of Oracle and/or its affiliates.

Stay Connected	
Blog	
GitHub	
Twitter	
Support	
Issue Tracker	
Release Notes	
Stack Overflow	
English	
Terms Privacy	