

tf.fft2d

Contents

Aliases:

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- `tf.fft2d`
- `tf.spectral.fft2d`

```
fft2d(  
    input,  
    name=None  
)
```

Defined in `tensorflow/python/ops/gen_spectral_ops.py`.

See the guide: [Spectral Functions > Discrete Fourier Transforms](#)

2D fast Fourier transform.

Computes the 2-dimensional discrete Fourier transform over the inner-most 2 dimensions of `input`.

Args:

- `input`: A **Tensor** of type `complex64`. A complex64 tensor.
- `name`: A name for the operation (optional).

Returns:

A **Tensor** of type `complex64`. A complex64 tensor of the same shape as `input`. The inner-most 2 dimensions of `input` are replaced with their 2D Fourier transform.

numpy compatibility

Equivalent to `np.fft.fft2`

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