

tf.sigmoid

Contents

Aliases:

Aliases:

- `tf.nn.sigmoid`
- `tf.sigmoid`

```
sigmoid(  
    x,  
    name=None  
)
```

Defined in [tensorflow/python/ops/math_ops.py](#).

See the guide: [Neural Network > Activation Functions](#)

Computes sigmoid of `x` element-wise.

Specifically, $y = 1 / (1 + \exp(-x))$.

Args:

- `x`: A Tensor with type `float16`, `float32`, `float64`, `complex64`, or `complex128`.
- `name`: A name for the operation (optional).

Returns:

A Tensor with the same type as `x`.

numpy compatibility

Equivalent to `np.scipy.special.expit`

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