

tf.tanh

Contents

Aliases:

Aliases:

- `tf.nn.tanh`
- `tf.tanh`

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

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

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

Computes hyperbolic tangent of `x` element-wise.

Args:

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

Returns:

A Tensor or SparseTensor respectively with the same type as `x`.

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