TencorFlow

TensorFlow API r1.4

tf.matrix_transpose

Contents

Aliases:

Aliases:

- tf.linalg.transpose
- tf.matrix_transpose

```
matrix_transpose(
    a,
    name='matrix_transpose'
)
```

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

See the guide: Math > Matrix Math Functions

Transposes last two dimensions of tensor a.

For example:

Note that **tf.matmul** provides kwargs allowing for transpose of arguments. This is done with minimal cost, and is preferable to using this function. E.g.

```
# Good! Transpose is taken at minimal additional cost.
tf.matmul(matrix, b, transpose_b=True)

# Inefficient!
tf.matmul(matrix, tf.matrix_transpose(b))
```

Args:

- a: A Tensor with rank >= 2.
- name: A name for the operation (optional).

Returns:

A transposed batch matrix Tensor.

Raises:

• ValueError: If a is determined statically to have rank < 2.

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