

tf.nn.zero_fraction

```
zero_fraction(  
    value,  
    name=None  
)
```

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

Returns the fraction of zeros in **value**.

If **value** is empty, the result is **nan**.

This is useful in summaries to measure and report sparsity. For example,

```
z = tf.nn.relu(...)  
summ = tf.summary.scalar('sparsity', tf.nn.zero_fraction(z))
```

Args:

- value**: A tensor of numeric type.
- name**: A name for the operation (optional).

Returns:

The fraction of zeros in **value**, with type **float32**.

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