tf.angle

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

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

See the guide: Math > Complex Number Functions

Returns the argument of a complex number.

Given a tensor `input` of complex numbers, this operation returns a tensor of type `float32` or `float64` that is the argument of each element in `input`. All elements in `input` must be complex numbers of the form *a* + *bj*, where *a* is the real part and *b* is the imaginary part.

The argument returned by this function is of the form *atan2*(*b*, *a*).

For example:

```
# tensor 'input' is [-2.25 + 4.75j, 3.25 + 5.75j]
tf.angle(input) ==> [2.0132, 1.056]
```

Args:

- `input`: A `Tensor`. Must be one of the following types: `complex64`, `complex128`.
- `name`: A name for the operation (optional).

Returns:

A `Tensor` of type `float32` or `float64`.

Last updated November 2, 2017.