tf.atan2

```
atan2(
    y,
    x,
    name=None
)
```

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

Computes arctangent of `y/x` element-wise, respecting signs of the arguments.

This is the angle (\theta \in [-\pi, \pi]) such that [x = r \cos(\theta)] and [y = r \sin(\theta)] where (r = \sqrt(x^2 + y^2)).

Args:

- `y`: A `Tensor`. Must be one of the following types: `float32`, `float64`.
- `x`: A `Tensor`. Must have the same type as `y`.
- `name`: A name for the operation (optional).

Returns:

A `Tensor`. Has the same type as `y`.

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