

# fp.atan

...

```
Copy fnatan(self:T)->T;
```

...

Returns the arctangent (inverse of tangent) of the input fixed point number.

Args

- self
- (T
- ) - The input fixed point
- 

Returns

A fixed point number representing the arctangent (inverse of tangent) of the input value.

Examples

...

```
Copy use orion::numbers::{FP16x16,FP16x16Impl,FixedTrait};
```

```
fnatan_fp_example()->FP16x16{ // We instantiate fixed point here. let fp=FixedTrait::new_unscaled(2,false);
```

```
// We can call atan function as follows. fp.atan() }
```

```
    {mag:72558, sign:false} // = 1.10714872
```

...

[Previous fp.sin](#) [Next fp.sign](#)

Last updated 6 months ago