complex.to_polar

```

Copy fnto_polar(self:T)->(F,F);

```

Returns the polar coordinates (magnitude and argument) of the complex number.

Args

- self
- (T
-) - The input complex number.
-

Returns

A tuple of two fixed point numbers representing the polar coordinates of the input number.

Examples

```

Copy useorion::numbers::complex_number::{complex_trait::ComplexTrait, complex64::complex64}; useorion::numbers::
{FP64x64,FP64x64Impl,FixedTrait};

fnto_polar_complex64_example()->(FP64x64,FP64x64) { letz:complex64=ComplexTrait::new(
FixedTrait::new(73786976294838206464,false), FixedTrait::new(77476325109580116787 2,false) );// 4 + 42i z.to_polar() }

({mag:77826898506702808 6784, sign:false}, {mag:27224496882576083824, sign:false})//
mag : 42.190046219457976 + arg : 1.4758446204521403

```

Previous complex.tanh Next complex.zero

Last updated1 month ago