complex.arg

```

Copy fnarg(self:T)->F;

```

Returns the argument of the complex number

Args

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

Returns

A fixed point number '', representing the argument of the complex number in radian. 'arg(z) = atan2(b, a)'.

Examples

```

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

fnarg_complex64_example()->FP64x64{ letz:complex64=ComplexTrait::new(
FixedTrait::new(73786976294838206464,false), FixedTrait::new(77476325109580116787 2,false) );// 4 + 42i z.arg() }

                    {mag:27224496882576083824, sign:false}// arg = 1.4758446204521403 (rad)

```

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Last updated1 month ago