

# 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(774763251095801167872,false) );// 4 + 42i z.arg() }

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

...

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