complex.sqrt

```

Copy fnarg(self:T)->F;

```

Returns the value of the squre root of the complex number.

Args

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

Returns

A complex number '', representing the square root of the complex number. 'arg(z) = atan2(b, a)'.

Examples

```

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

fnsqrt_complex64_example()->complex64 { letz:complex64=ComplexTrait::new(
FixedTrait::new(73786976294838206464,false), FixedTrait::new(77476325109580116787 2,false) );// 4 + 42i z.sqrt() }

{real:{mag:88650037379463118848, sign:false}, im:{mag:80608310115317055488,
sign:false}}// 4.80572815603723 + 4.369785247552674 i

```

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Last updated1 month ago