complex.atanh

```

Copy fnatanh(self:T)->T;

```

Returns the value of the inverse hyperbolic tangent of the complex number.

Args

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

Returns

The inverse hyperbolic tangent of the input complex number.

Examples

```

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

fnatanh_complex64_example()->complex64 { letz:complex64=ComplexTrait::new(
FixedTrait::new(36893488147419103232,false), FixedTrait::new(55340232221128654848,false) );// 2 + 3i z.atanh() }

                {real:{mag:2710687792925618924, sign:false}, im:{mag:24699666646262346226,
                sign:false}}// 0.146946666 + 1.33897252i

```

Previous complex.atan Next complex.conjugate

Last updated1 month ago