

# complex.log2

...

Copy fnlog2(self:T)->T;

...

Returns the base-2 logarithm of the complex number.

Args

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

- Panics if the input is negative.
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Returns

A complex number representing the binary logarithm of the input number.

Examples

...

Copy useorion::numbers::complex\_number::{complex\_trait::ComplexTrait, complex64::complex64}; useorion::numbers::{FP64x64,FP64x64Impl,FixedTrait};

fnlog2\_complex64\_example()->complex64 { letz:complex64=ComplexTrait::new(FixedTrait::new(36893488147419103232,false), FixedTrait::new(55340232221128654848,false) );// 2 + 3i z.log2() }

{real:{mag:34130530934667840346, sign:false}, im:{mag:26154904847122126193, sign:false}}// 1.85021986 + 1.41787163 i

...

[Previous complex.ln](#) [Next complex.log10](#)

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