# complex.tan

```
Copy fntan(self:T)->T;
```

Returns the tangent of the complex number.

Args

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

Returns

A complex number representing the tan of the input value.

Examples

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

fntan_complex64_example()->complex64 { letz:complex64=ComplexTrait::new( FixedTrait::new(36893488147419103232,false), FixedTrait::new(55340232221128654848,false) );// 2 + 3i z.tan() }

          {real:{mag:69433898428143694, sign:true}, im:{mag:18506486100303669886, sign:false}}// -0.00376402 + 1.00323862i
```

Last updated1 month ago