Euler's Reflection Formula(gamma function)

Def

=

See the followinf website.

[Euler's Reflection Formula - ProofWiki](https://proofwiki.org/wiki/Euler%27s_Reflection_Formula#google_vignette)

Proof

By Weiestrass product,

=

By Weiestrass form Gamma theorem, and we take recipocal at both side.

=

On the other hand,

=

=

=

=

Ref

[Euler's Reflection Formula - ProofWiki](https://proofwiki.org/wiki/Euler%27s_Reflection_Formula#google_vignette)