Función zeta de Riemann

$$\zeta(s) = \sum_{n=1}^{\infty} \frac{1}{n^s} = \prod_{p \text{ primo}} \frac{1}{1 - p^{-s}}$$

 $\zeta(s) = 2^{s} \pi^{s-1} \sin\left(\frac{s\pi}{2}\right) \Gamma(1-s) \zeta(1-s)$

Im
$$\zeta(1/2 + it)$$
2

Polar graph of Riemann zeta(1/2 + it)

1.5

1.5

1.5

1.5

1.5

2.5

3