ガンマ関数

[英]*gamma function*

$$\Gamma(p)=\int_0^{\infty} e^{-x}x^{p-1}dx \qquad (p>0)$$

$$\Gamma(p+1)=p\Gamma(p) \qquad (p>0)$$

$$\Gamma(1)=1$$

$$\Gamma\left(\frac{1}{2}\right)=\sqrt{\pi}$$

$$\Gamma(n+1)=n! \quad (n=1,2,3,\cdots)$$

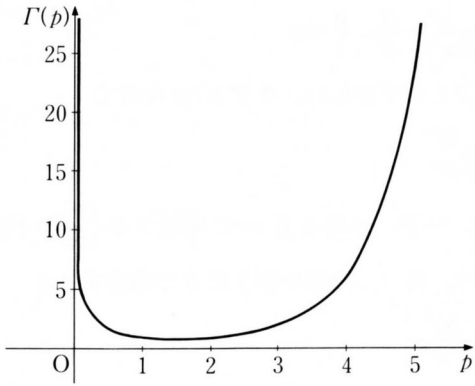

図 0. 3. 4　$\Gamma(p)$ のグラフ