

ω . v . F . δ . $\psi^{(m)}(z)$. θ_i . K . τ . $\xi(s)$. o . Υ . ϖ . λ . $B(x, y)$. ρ . Σ . $\zeta(s)$. α . κ . χ . $H(t)$. β . ϵ . $\Gamma(n)$. Δ . $\vartheta(x)$. $\mu(n)$. Θ . Ψ . ι . ν .
 γ . Ξ . Π . Ω . Φ . π . Λ . ϕ . σ . η . O . $\vec{\theta}$.

Glossary

asymptotic notation

O big O notation. 1

o small o notation. 1

biology

Π osmotic pressure. 1

finance

Θ Theta decay. 1

fluid dynamics

ϖ angular frequency. 1

functions

F digamma function. 1

$B(x, y)$ Euler beta function. 1

$\vartheta(x)$ first Chebyshev function. 1

$\Gamma(n)$ gamma function. 1

δ Kronecker delta. 1

$\mu(n)$ Möbius function. 1

$\psi^{(m)}(z)$ polygamma function. 1

$\zeta(s)$ Riemann zeta function. 1

Ξ Riemann's original xi-function. 1

$\xi(s)$ Riemann's xi-function. 1

geometry

π Archimedes' constant. 1

κ curvature. 1

graph theory

χ chromatic number. 1

linear algebra

Λ diagonal matrix of eigenvalues. 1

λ an eigenvalue. 1

mechanics

τ torque. 1

operators

Δ Laplace operator. 1

physics

α angular acceleration. 1

ω angular velocity. 1

ν frequency. 1

ν kinematic viscosity. 1

γ Lorentz factor. 1

Φ magnetic flux. 1

Υ upsilon meson. 1

Ψ water potential. 1

quantities

ρ density. 1

ϕ the golden ratio. 1

K Kappa number. 1

Ω the omega constant. 1

η refractive index. 1

ϵ small positive quantity. 1

θ_i the i th statistical model parameter. 1

$\vec{\theta}$ the vector of statistical model parameters. 1

set theory

ι inclusion map. 1

statistical mechanics

$H(t)$ Boltzmann's H -Theorem. 1

β thermodynamic beta. 1

statistics

Σ covariance matrix. 1

σ standard deviation. 1