ω. υ. F. δ. $\psi^{(m)}(z)$. θ_i. K. τ. $\xi(s)$. o. Υ. ϖ. λ. $B(x,y)$. ρ. $\mathbf{\Sigma}$. $\zeta(s)$. α. κ. χ. $H(t)$. β. ϵ. $\Gamma(n)$. Δ. $\vartheta(x)$. $\mu(n)$. Θ. Ψ. ι. ν. γ. Ξ. Π. Ω. Φ. π. $\mathbf{\Lambda}$. 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
Ξ Riemann's original xi-function. 1
$\zeta(s)$ Riemann zeta 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
$\mathbf{\Lambda}$ 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
υ 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 ith 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

$\mathbf{\Sigma}$ covariance matrix. 1

σ standard deviation. 1