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

$\boldsymbol{\Sigma}$ covariance matrix 1
σ standard deviation 1