

GREEK ALPHABET IN MATHEMATICS

SYMBOL	NAME	COMMON MATHEMATICAL USAGE
α	Alpha	Angles, coefficients, thermal expansion
β	Beta	Angles, beta function, regression coefficients
γ / Γ	Gamma	Euler-Mascheroni constant, Gamma function
δ / Δ	Delta	Change in value, discriminant, small quantity
ϵ	Epsilon	Limit definition, small error, permittivity
θ / Θ	Theta	Unknown angle, Big O notation complexity
λ / Λ	Lambda	Eigenvalues, wavelength, decay constant
μ	Mu	Population mean, micro- prefix, friction
π / Π	Pi	Mathematical constant (3.14159), product notation

SYMBOL

NAME

COMMON MATHEMATICAL USAGE

ρ

Rho

Density, correlation coefficient, resistivity

σ / Σ

Sigma

Standard deviation, summation notation

φ / Φ

Phi

Golden ratio, phase shift, normal distribution

ω / Ω

Omega

Angular velocity, Ohm (resistance)