

# Greek Letters

The following tables present the names of Greek letters and selected symbols commonly used in engineering courses, ensuring precise reference and avoiding reliance on informal descriptors such as “squiggle.”

Table 1: Greek letters.

Lower Case	Upper Case	Name
$\alpha$	A	alpha
$\beta$	B	beta
$\gamma$	$\Gamma$	gamma
$\delta$	$\Delta$	delta
$\epsilon$	E	epsilon
$\zeta$	Z	zeta
$\eta$	E	eta
$\theta$	$\Theta$	theta
$\iota$	I	iota
$\kappa$	K	kappa
$\lambda$	$\Lambda$	lambda
$\mu$	M	mu
$\nu$	N	nu
$\xi$	$\Xi$	xi
$\omicron$	O	omicron
$\pi$	$\Pi$	pi
$\rho$	P	rho
$\sigma$	$\Sigma$	sigma
$\tau$	T	tau
$\upsilon$	$\Upsilon$	upsilon
$\phi$	$\Phi$	phi
$\chi$	X	chi
$\psi$	$\Psi$	psi
$\omega$	$\Omega$	omega

Table 2: Commonly used symbols in engineering courses.

Symbol	Name	Use	Course
$\Delta$	Delta	Change	Thermodynamics
$\Delta$	Delta	Displacement	Naval Architecture
$\epsilon$	Epsilon	Emissivity	Thermodynamics
$\nabla$	Nabla	Volume	Naval Architecture
$\Sigma$	Sigma	Sum	Thermodynamics, Naval Architecture, Applied Mechanics
$\sigma$	Sigma	Stress	Thermodynamics, Applied Mechanics
$\epsilon$	Epsilon	Modulus of elasticity	Thermodynamics, Applied Mechanics
$\eta$	Eta	Efficiency	Thermodynamics
$\mu$	Mu	Friction	Thermodynamics, Applied Mechanics
$\omega$	Omega	Angular velocity	Thermodynamics, Applied Mechanics
$\rho$	Rho	Density	Thermodynamics, Naval Architecture
$\tau$	Tau	Torque	Thermodynamics, Applied Mechanics