

# 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<br>Architecture, Applied<br>Mechanics |
| $\sigma$   | Sigma   | Stress                | Thermodynamics,<br>Applied Mechanics                        |
| $\epsilon$ | Epsilon | Modulus of elasticity | Thermodynamics,<br>Applied Mechanics                        |
| $\eta$     | Eta     | Efficiency            | Thermodynamics  |
| $\mu$      | Mu      | Friction              | Thermodynamics,<br>Applied Mechanics                        |
| $\omega$   | Omega   | Angular velocity      | Thermodynamics,<br>Applied Mechanics                        |
| $\rho$     | Rho     | Density               | Thermodynamics, Naval<br>Architecture                       |
| $\tau$     | Tau     | Torque                | Thermodynamics,<br>Applied Mechanics                        |