# Greek letters and common uses

<table>
<thead>
<tr>
<th>Greek Letter</th>
<th>Latin</th>
<th>Name</th>
<th>Common Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Α α</td>
<td>α</td>
<td>alpha</td>
<td>(angle; angular acceleration)</td>
</tr>
<tr>
<td>B β</td>
<td>β</td>
<td>beta</td>
<td>(angle)</td>
</tr>
<tr>
<td>Γ γ</td>
<td>γ</td>
<td>gamma</td>
<td></td>
</tr>
<tr>
<td>Δ δ</td>
<td>δ</td>
<td>delta</td>
<td>(change, &quot;difference&quot;; small increment)</td>
</tr>
<tr>
<td>E ε</td>
<td>ε</td>
<td>epsilon</td>
<td>(small number)</td>
</tr>
<tr>
<td>Z ζ</td>
<td>ζ</td>
<td>zeta</td>
<td></td>
</tr>
<tr>
<td>H η</td>
<td>η</td>
<td>eta</td>
<td></td>
</tr>
<tr>
<td>Θ θ</td>
<td>θ</td>
<td>theta</td>
<td>(angle)</td>
</tr>
<tr>
<td>I i</td>
<td>i</td>
<td>iota</td>
<td></td>
</tr>
<tr>
<td>K κ</td>
<td>κ</td>
<td>kappa</td>
<td></td>
</tr>
<tr>
<td>Λ λ</td>
<td>λ</td>
<td>lambda</td>
<td>(linear density; wavelength)</td>
</tr>
<tr>
<td>M μ</td>
<td>μ</td>
<td>mu</td>
<td>(coefficient of friction, mean, &quot;multiplier&quot;)</td>
</tr>
<tr>
<td>N ν</td>
<td>ν</td>
<td>nu</td>
<td>(wave frequency)</td>
</tr>
<tr>
<td>Ξ ξ</td>
<td>ξ</td>
<td>xi</td>
<td>[&quot;ksi&quot;]</td>
</tr>
<tr>
<td>Ο ο</td>
<td>o</td>
<td>omicron</td>
<td></td>
</tr>
<tr>
<td>Π π</td>
<td>π</td>
<td>pi</td>
<td>(product; circumference-to-diameter)</td>
</tr>
<tr>
<td>P ρ</td>
<td>ρ</td>
<td>rho</td>
<td>(spatial density, &quot;ratio&quot;)</td>
</tr>
<tr>
<td>Σ σ</td>
<td>σ</td>
<td>sigma</td>
<td>(sum; standard deviation, surface density)</td>
</tr>
<tr>
<td>T τ</td>
<td>τ</td>
<td>tau</td>
<td>(period, torque, &quot;time&quot; constant)</td>
</tr>
<tr>
<td>Υ υ</td>
<td>υ</td>
<td>upsilon</td>
<td></td>
</tr>
<tr>
<td>Φ ϕ, φ</td>
<td>φ</td>
<td>phi</td>
<td>(golden ratio; angle, &quot;phase&quot;)</td>
</tr>
<tr>
<td>Χ χ</td>
<td>χ</td>
<td>chi</td>
<td>[&quot;ki&quot;]</td>
</tr>
<tr>
<td>Ψ ψ</td>
<td>ψ</td>
<td>psi</td>
<td>(wave function)</td>
</tr>
<tr>
<td>Ω ω</td>
<td>ω</td>
<td>omega</td>
<td>(resistance; angular velocity)</td>
</tr>
</tbody>
</table>