

$\omega$ .  $v$ .  $F$ .  $\delta$ .  $\psi^{(m)}(z)$ .  $\theta_i$ .  $K$ .  $\tau$ .  $\xi(s)$ .  $o$ .  $\Upsilon$ .  $\varpi$ .  $\lambda$ .  $B(x, y)$ .  $\rho$ .  $\Sigma$ .  $\zeta(s)$ .  $\alpha$ .  $\kappa$ .  $\chi$ .  $H(t)$ .  $\beta$ .  $\epsilon$ .  $\Gamma(n)$ .  $\Delta$ .  $\vartheta(x)$ .  $\mu(n)$ .  $\Theta$ .  $\Psi$ .  $\iota$ .  $\nu$ .  
 $\gamma$ .  $\Xi$ .  $\Pi$ .  $\Omega$ .  $\Phi$ .  $\pi$ .  $\Lambda$ .  $\phi$ .  $\sigma$ .  $\eta$ .  $O$ .  $\vec{\theta}$ .

## Glossary

$\alpha$  angular acceleration. 1  
 $\beta$  thermodynamic beta. 1  
 $B(x, y)$  Euler beta function. 1  
 $\Gamma(n)$  gamma function. 1  
 $\gamma$  Lorentz factor. 1  
 $\Delta$  Laplace operator. 1  
 $\delta$  Kronecker delta. 1  
 $\epsilon$  small positive quantity. 1  
 $F$  digamma function. 1  
 $\zeta(s)$  Riemann zeta function. 1  
 $H(t)$  Boltzmann's  $H$ -Theorem. 1  
 $\eta$  refractive index. 1  
 $\Theta$  Theta decay. 1  
 $\theta_i$  the  $i$ th statistical model parameter. 1  
 $\vec{\theta}$  the vector of statistical model parameters. 1  
 $\vartheta(x)$  first Chebyshev function. 1  
 $\iota$  inclusion map. 1  
 $K$  Kappa number. 1  
 $\kappa$  curvature. 1  
 $\Lambda$  diagonal matrix of eigenvalues. 1  
 $\lambda$  an eigenvalue. 1  
 $\mu(n)$  Möbius function. 1  
 $\nu$  kinematic viscosity. 1  
 $\Xi$  Riemann's original xi-function. 1  
 $\xi(s)$  Riemann's xi-function. 1  
 $O$  big O notation. 1  
 $o$  small o notation. 1  
 $\Pi$  osmotic pressure. 1  
 $\pi$  Archimedes' constant. 1  
 $\varpi$  angular frequency. 1  
 $\rho$  density. 1  
 $\Sigma$  covariance matrix. 1  
 $\sigma$  standard deviation. 1  
 $\tau$  torque. 1  
 $\Upsilon$  upsilon meson. 1  
 $v$  frequency. 1  
 $\Phi$  magnetic flux. 1  
 $\phi$  the golden ratio. 1  
 $\chi$  chromatic number. 1  
 $\Psi$  water potential. 1  
 $\psi^{(m)}(z)$  polygamma function. 1  
 $\Omega$  the omega constant. 1  
 $\omega$  angular velocity. 1