

Fig. 1.1

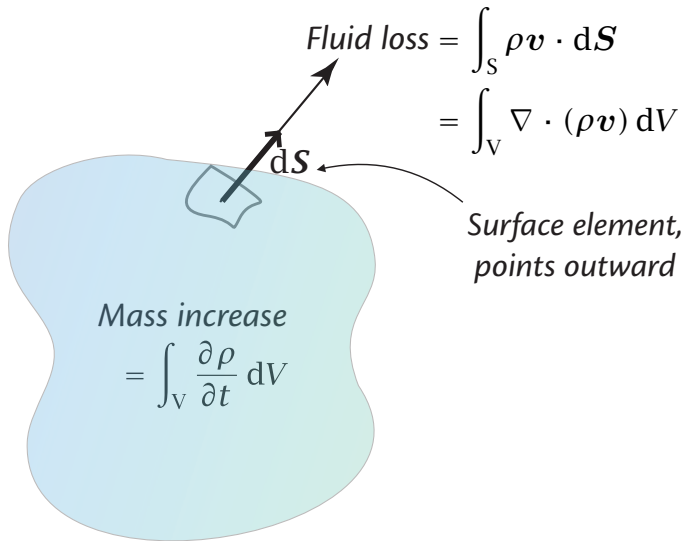
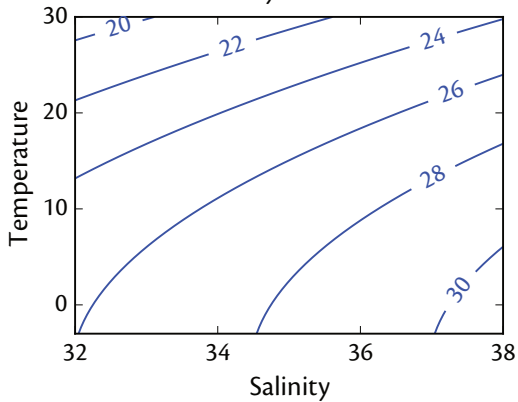


Fig. 1.2

Density at surface



Density at 4 km

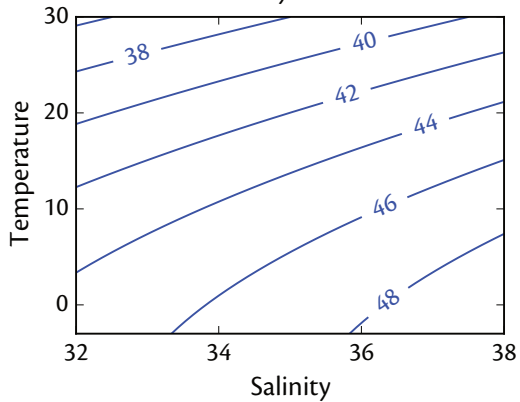


Fig. 1.3

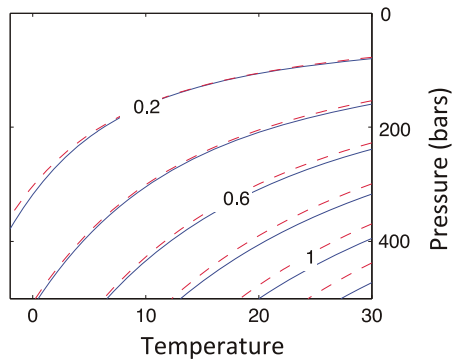
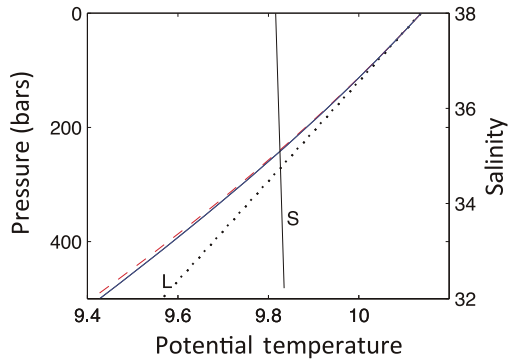


Fig. 1.4

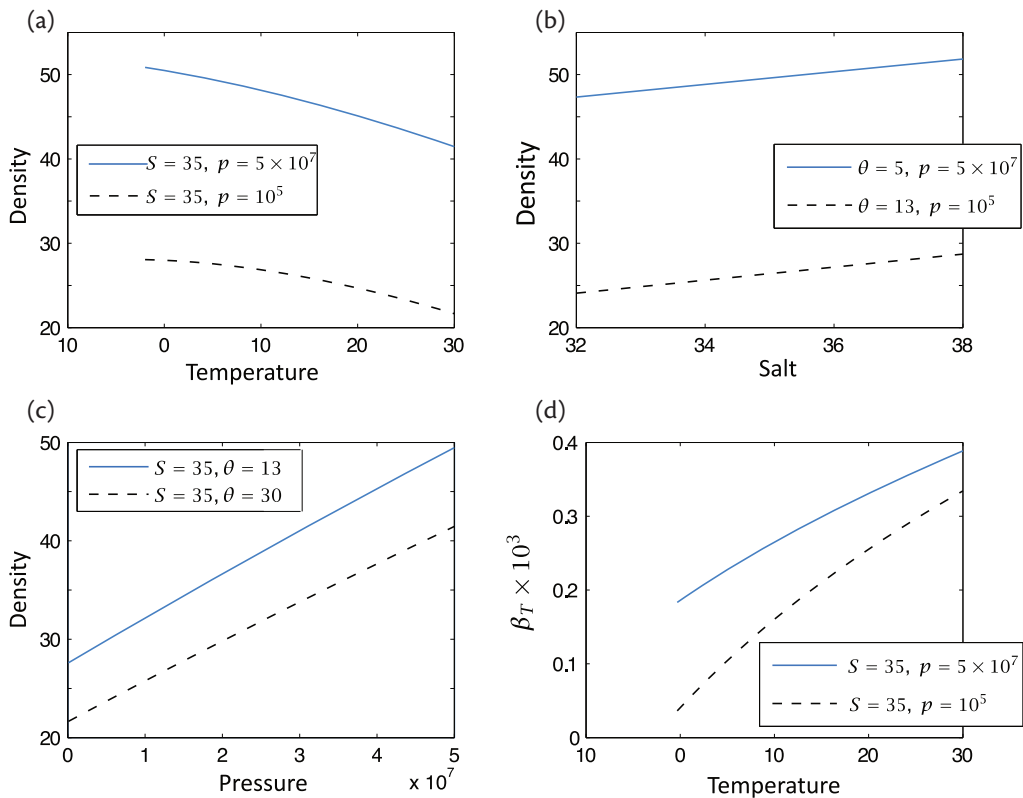


Fig. 1.5

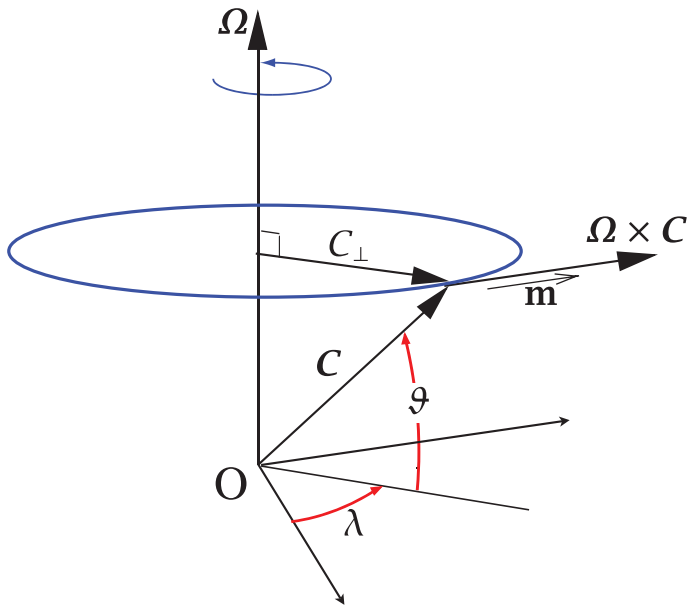


Fig. 2.1

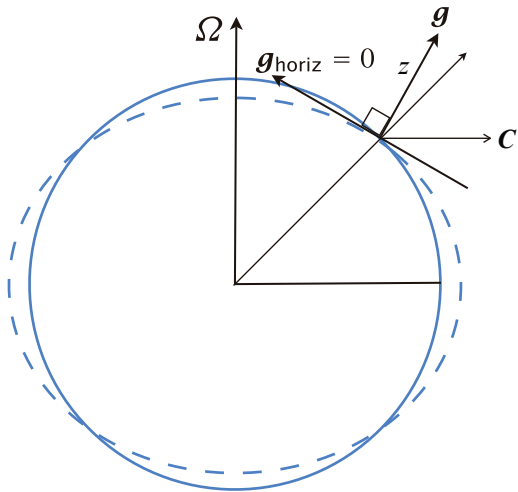
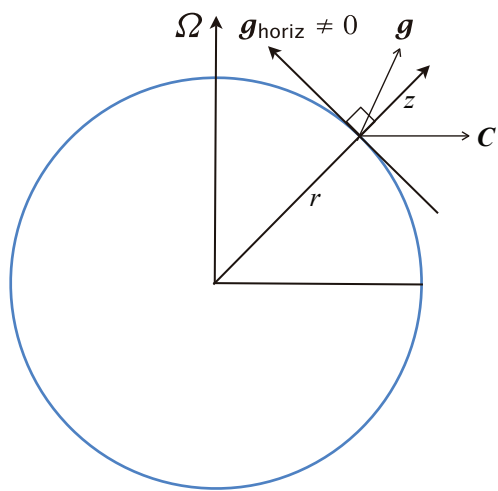


Fig. 2.2

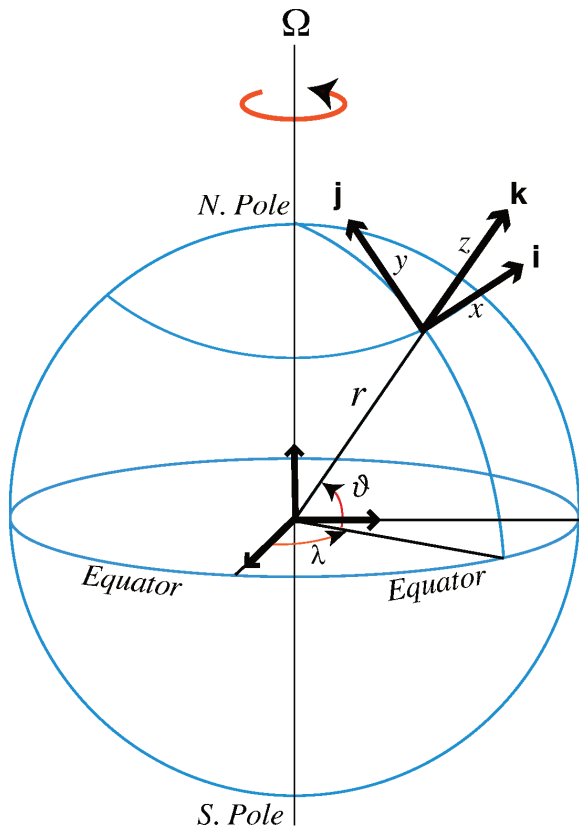
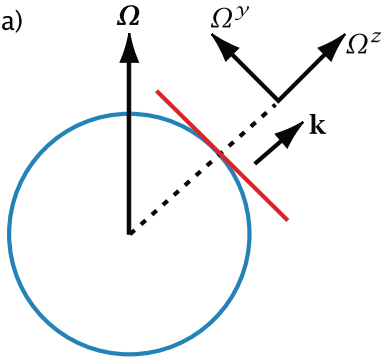


Fig. 2.3

(a)



(b)

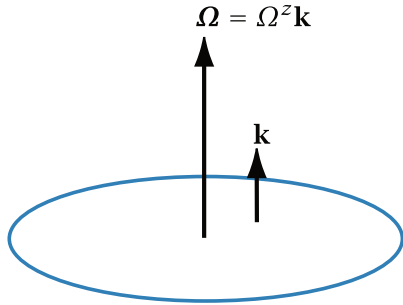


Fig. 2.4

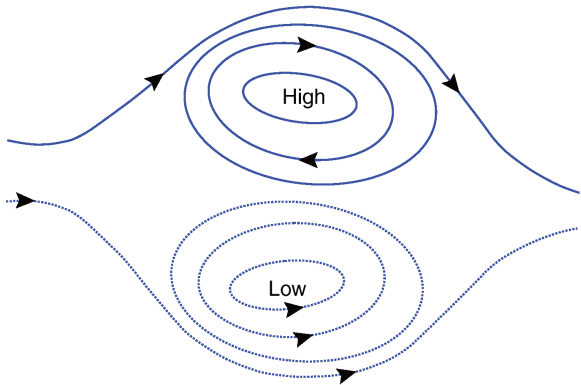


Fig. 2.5

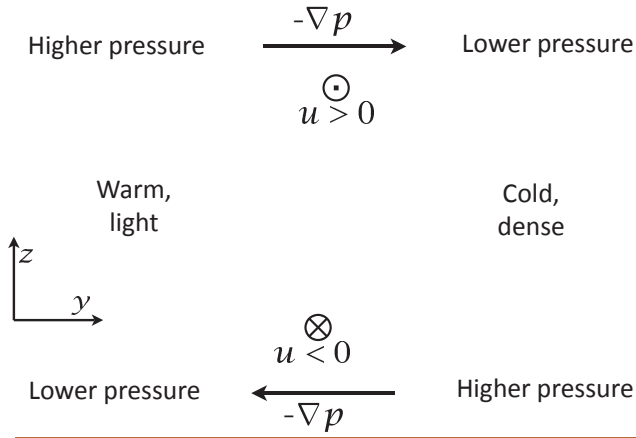


Fig. 2.6

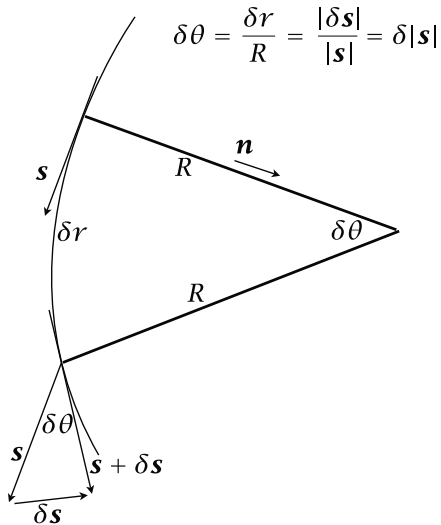
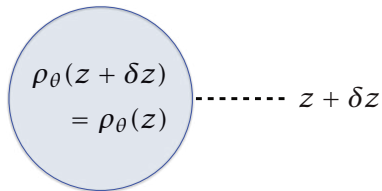


Fig. 2.7

$$\tilde{\rho}(z + \delta z) = \tilde{\rho}_{\theta}(z + \delta z)$$

$$\rho(z + \delta z) = \tilde{\rho}_{\theta}(z)$$



$$\rho_{\theta}(z) = \tilde{\rho}_{\theta}(z)$$

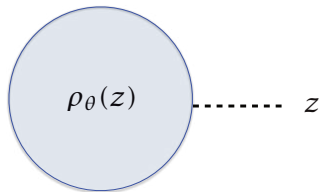


Fig. 2.8

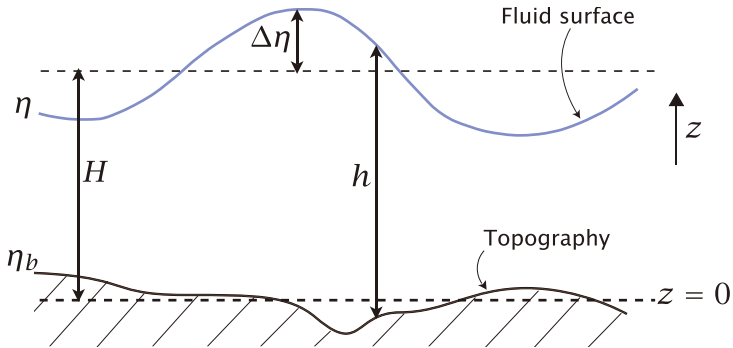


Fig. 3.1

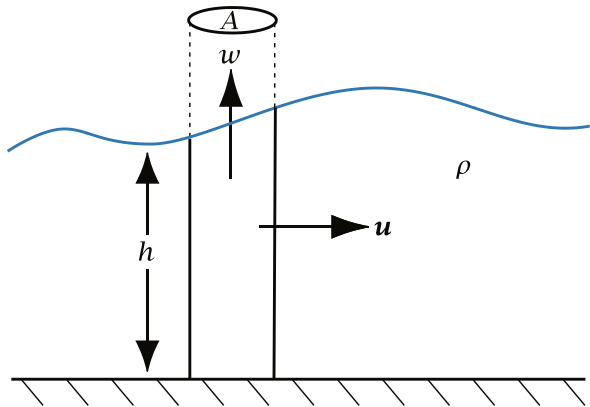


Fig. 3.2

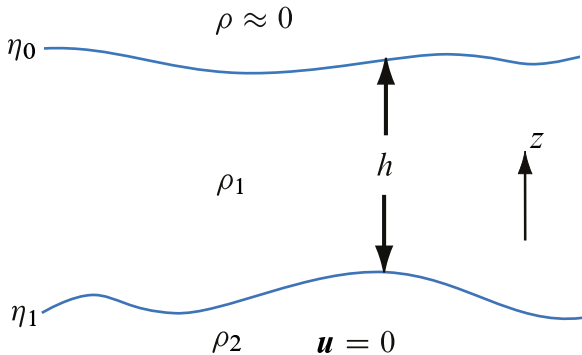


Fig. 3.3

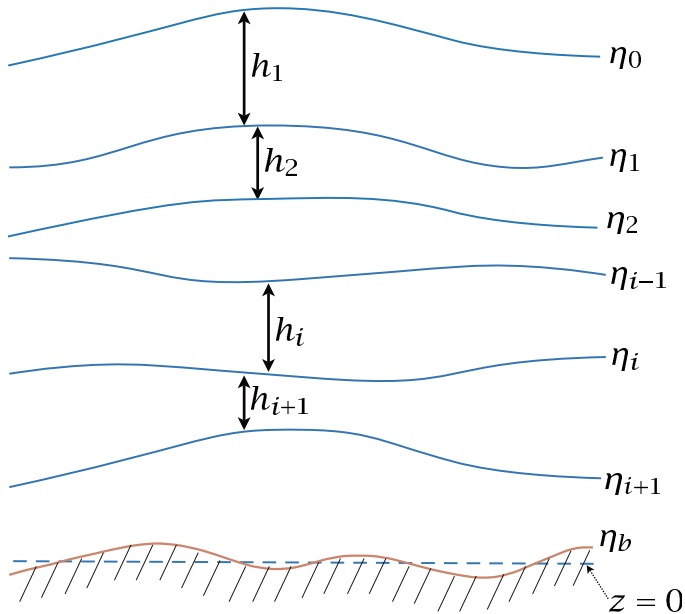


Fig. 3.4

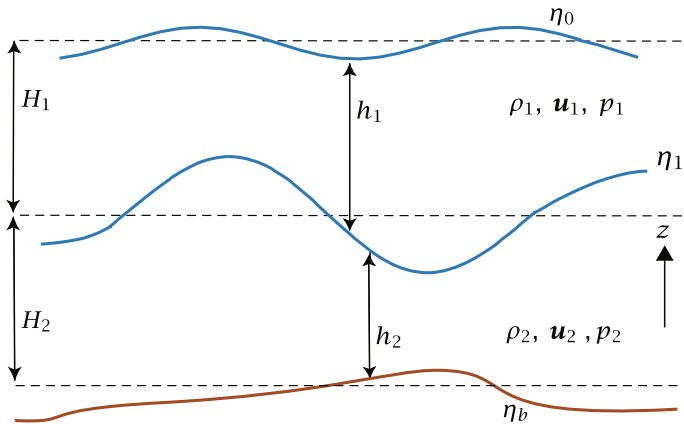


Fig. 3.5

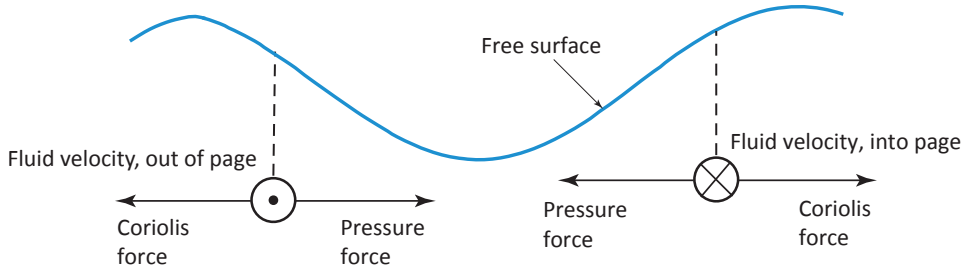


Fig. 3.6

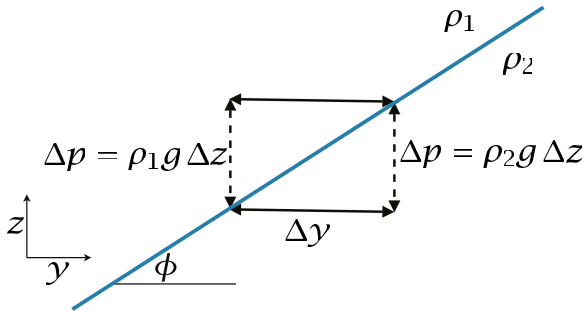


Fig. 3.7

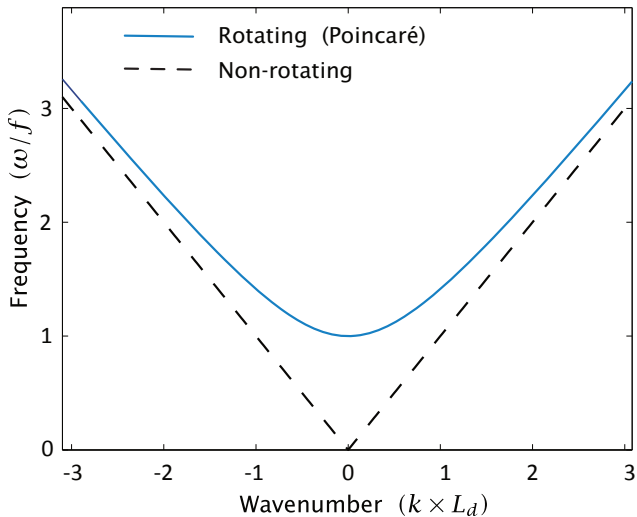


Fig. 3.8

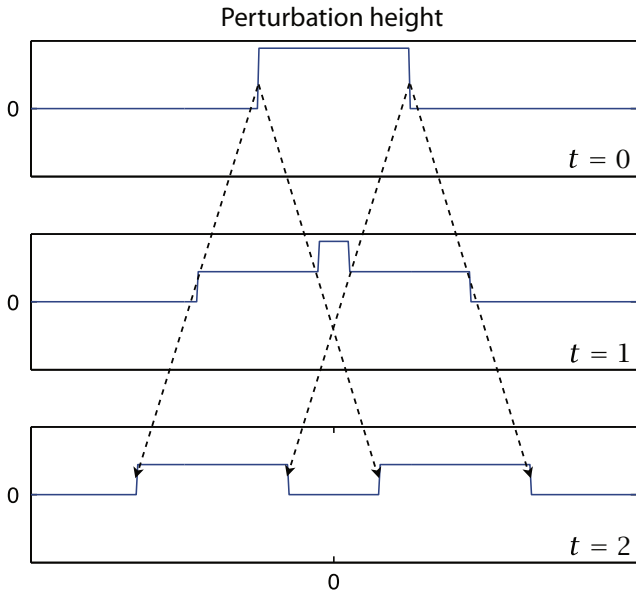


Fig. 3.9

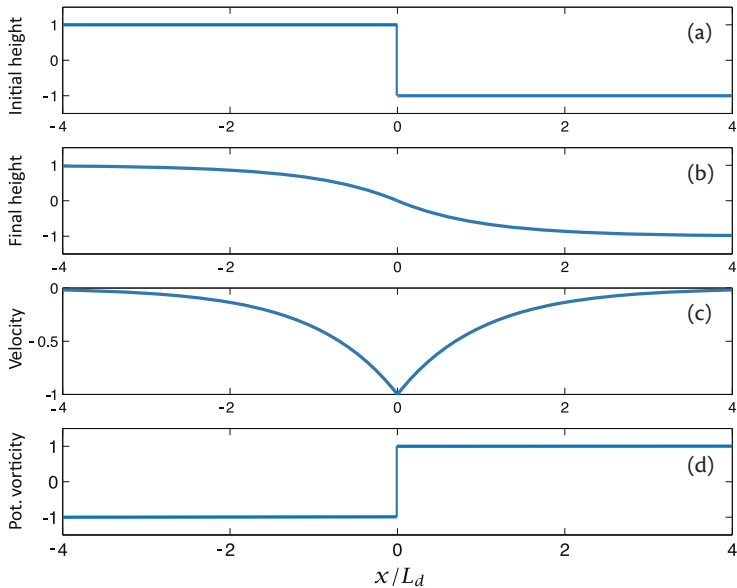


Fig. 3.10

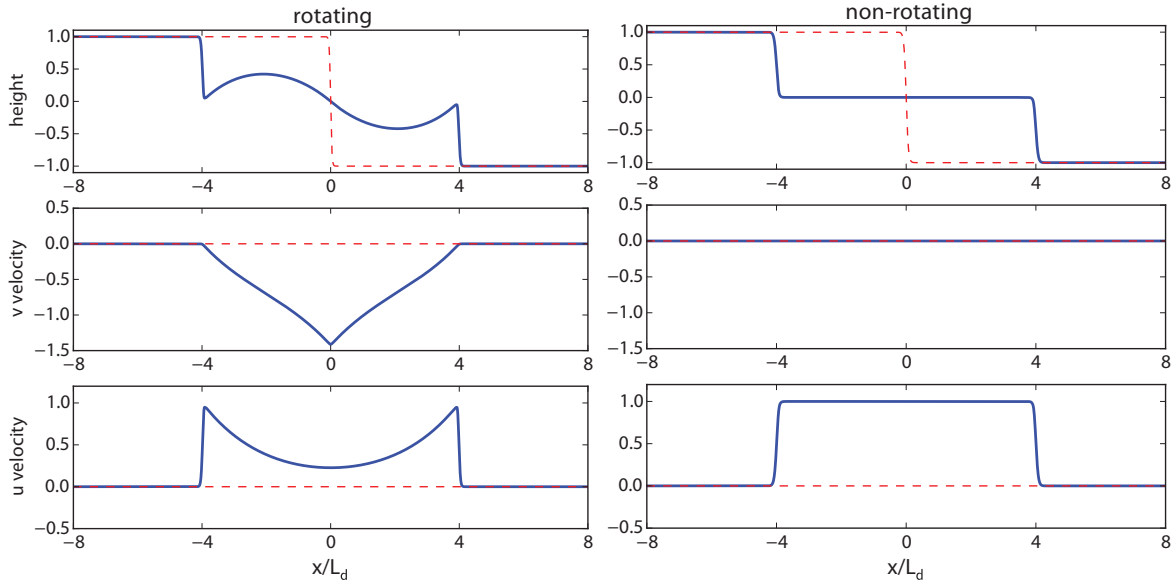


Fig. 3.11

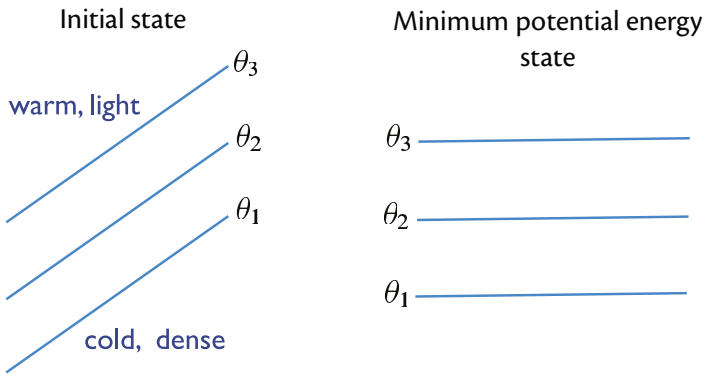


Fig. 3.12

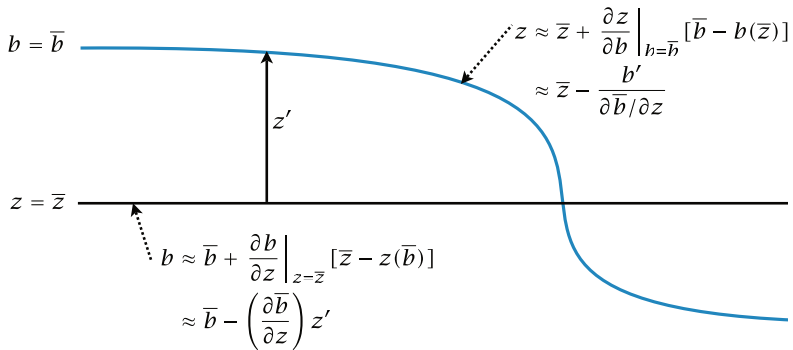


Fig. 3.13

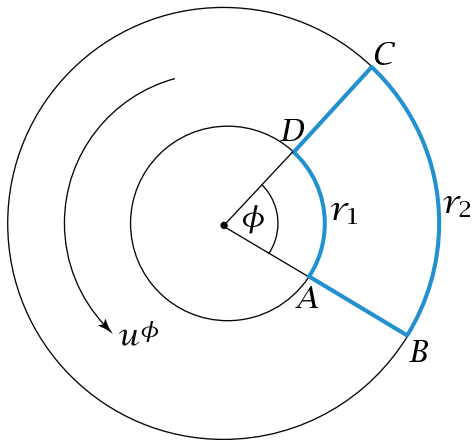


Fig. 4.1

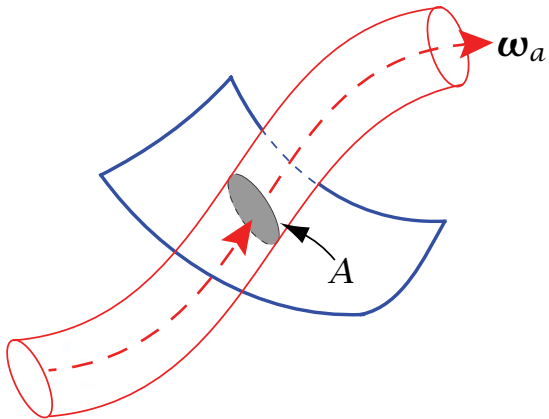


Fig. 4.2

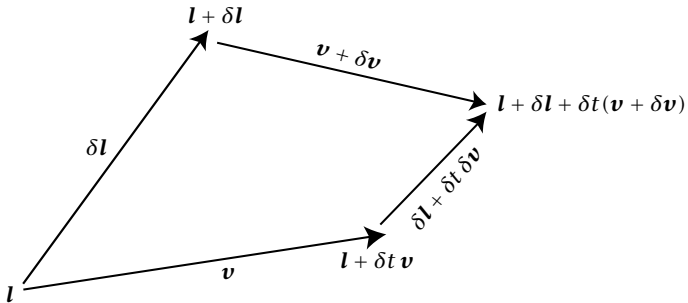


Fig. 4.3

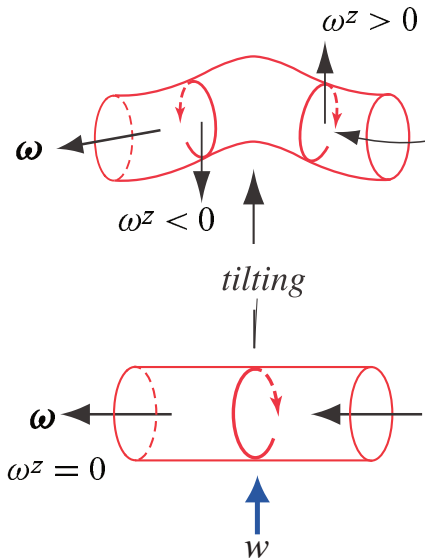


Fig. 4.4

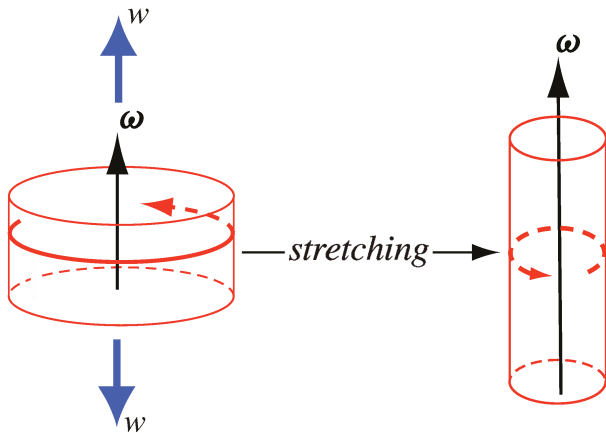


Fig. 4.5

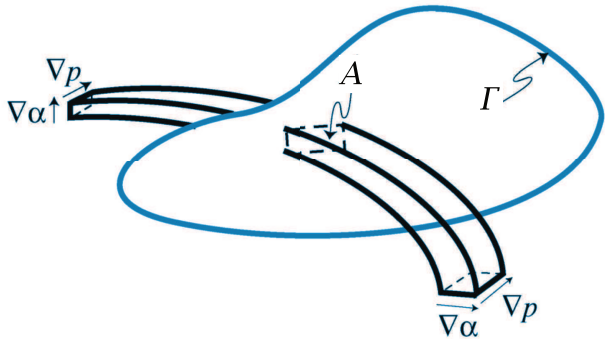


Fig. 4.6

$$\int_A (\boldsymbol{\omega} + 2\boldsymbol{\Omega}) \cdot d\mathbf{A} = 2\boldsymbol{\Omega} A_{\perp}$$

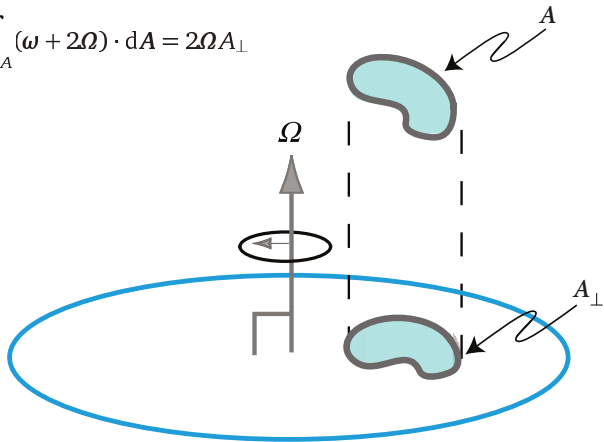


Fig. 4.7

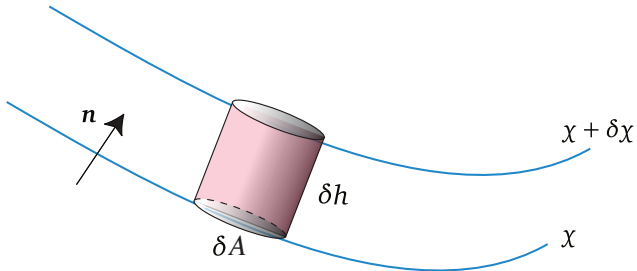
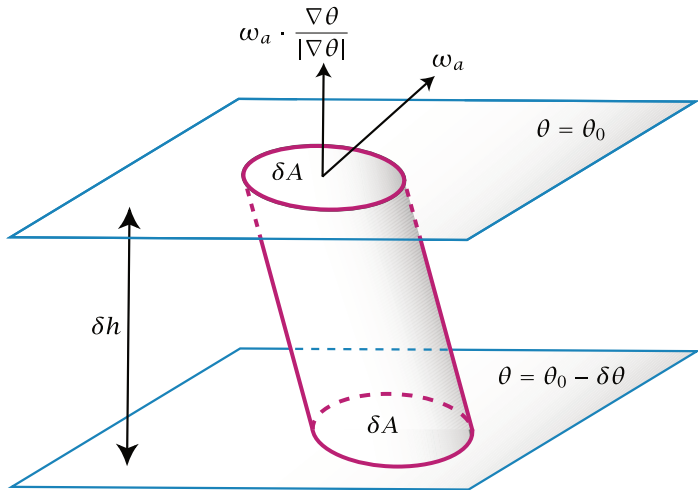


Fig. 4.8



$$\text{mass} = \rho \delta A \delta h = \text{constant}$$

$$\text{entropy} \propto \delta \theta = \delta h |\nabla \theta| = \text{constant}$$

Fig. 4.9

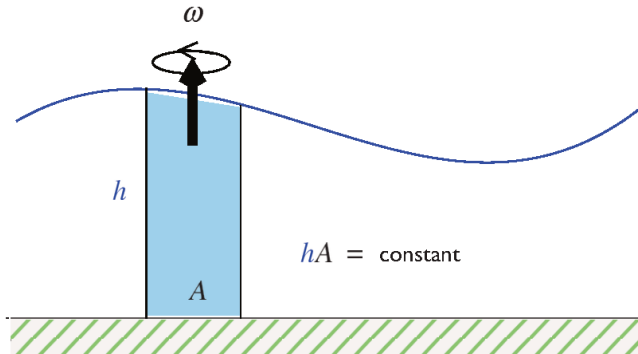


Fig. 4.10

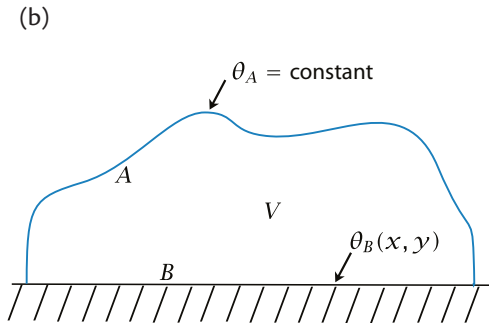
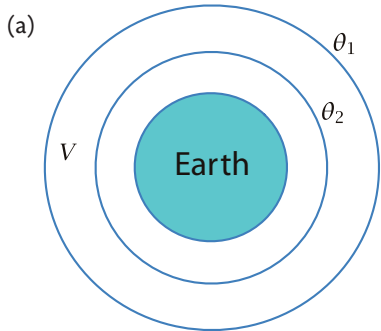


Fig. 4.11

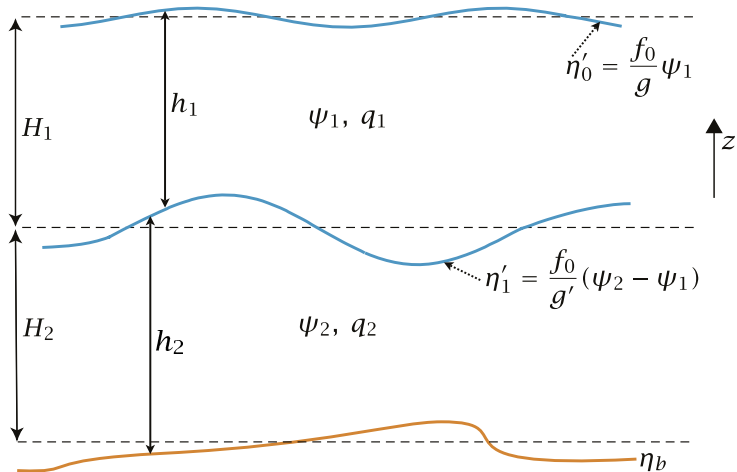


Fig. 5.1

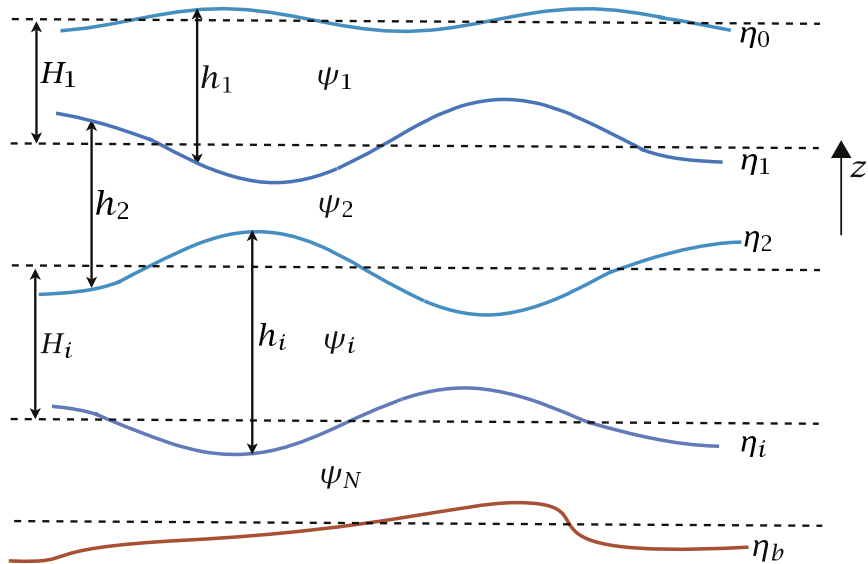


Fig. 5.2

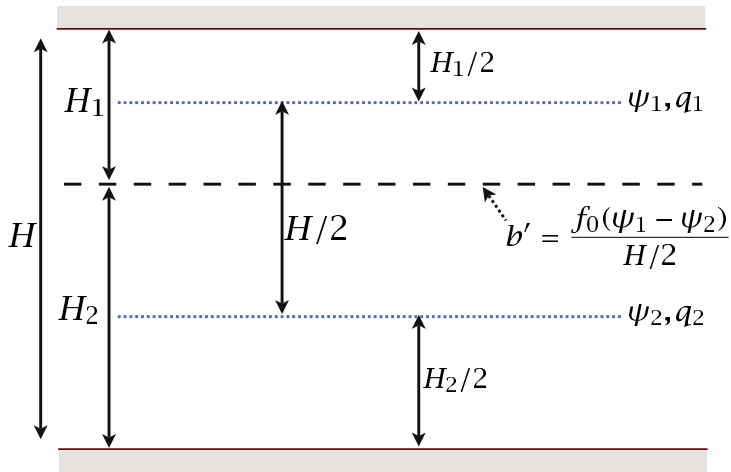


Fig. 5.3

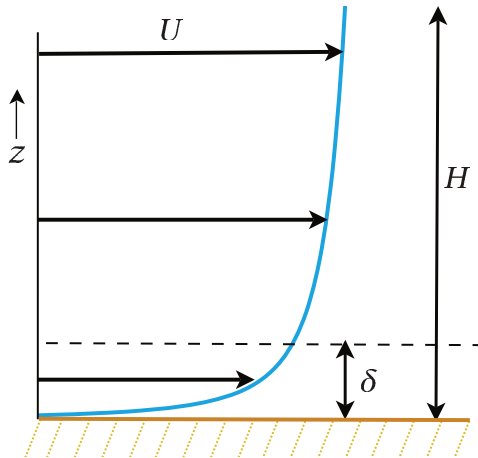


Fig. 5.4

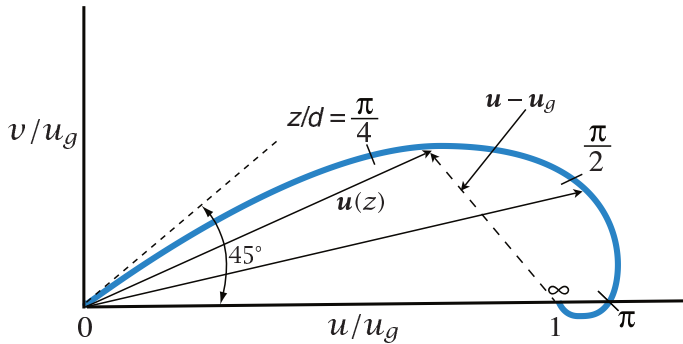


Fig. 5.5

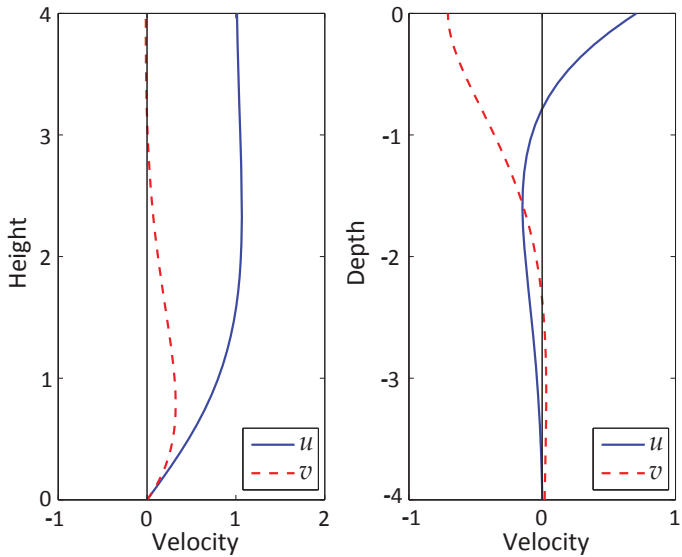


Fig. 5.6

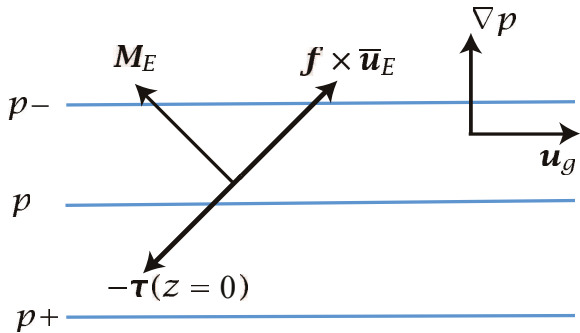


Fig. 5.7

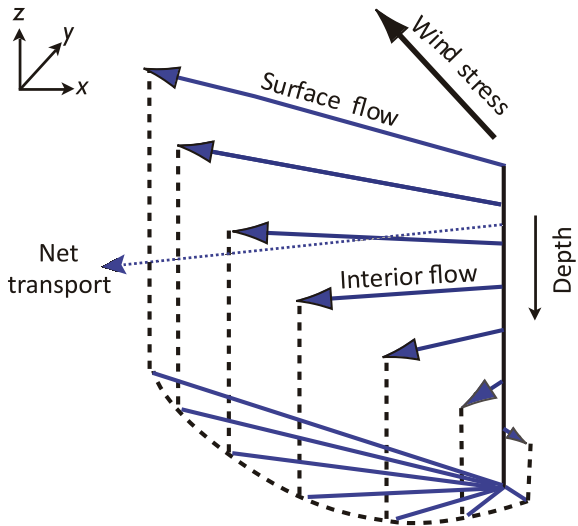


Fig. 5.8

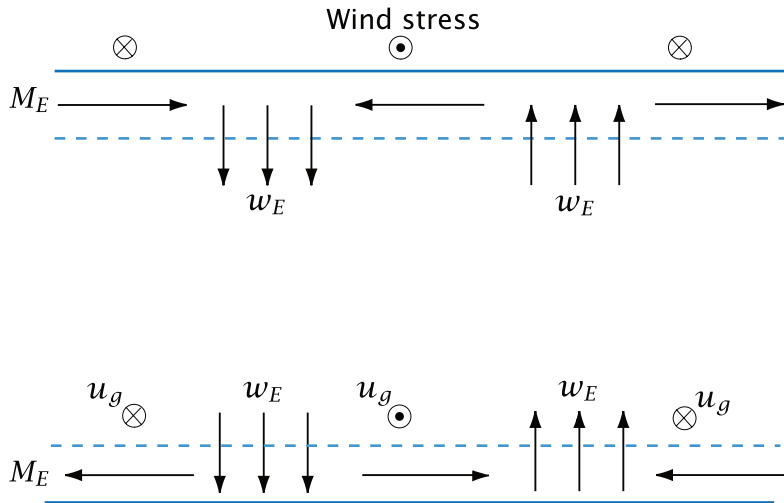


Fig. 5.9