

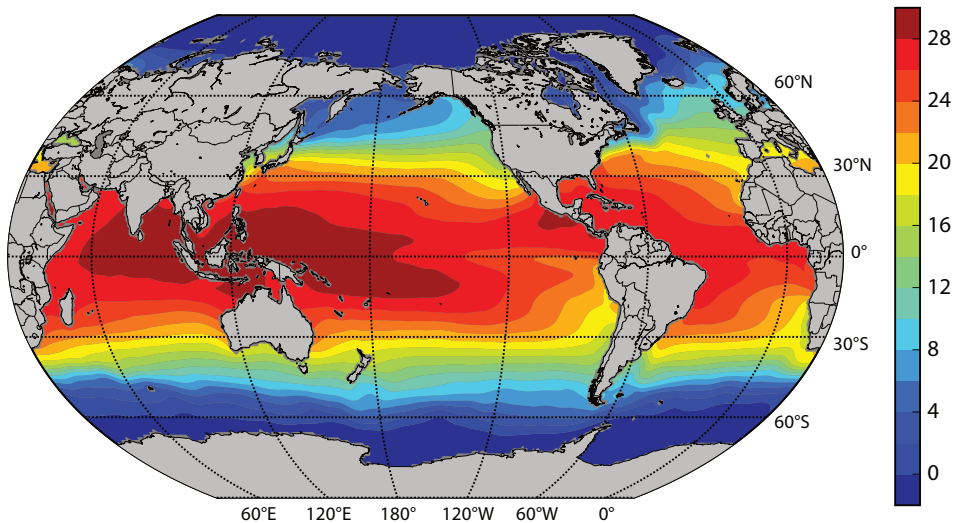


Fig. 19.1

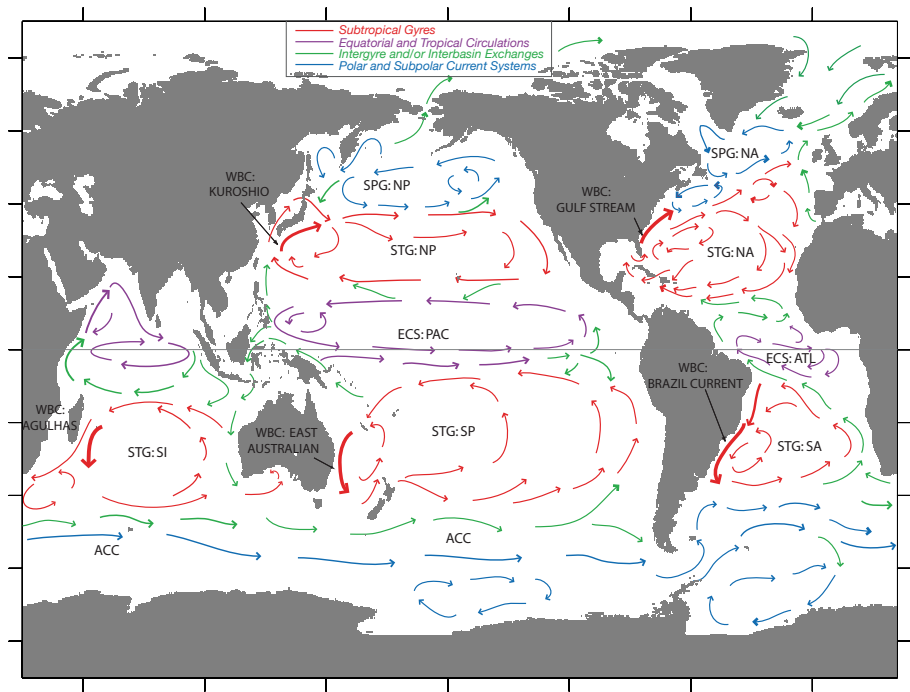


Fig. 19.2

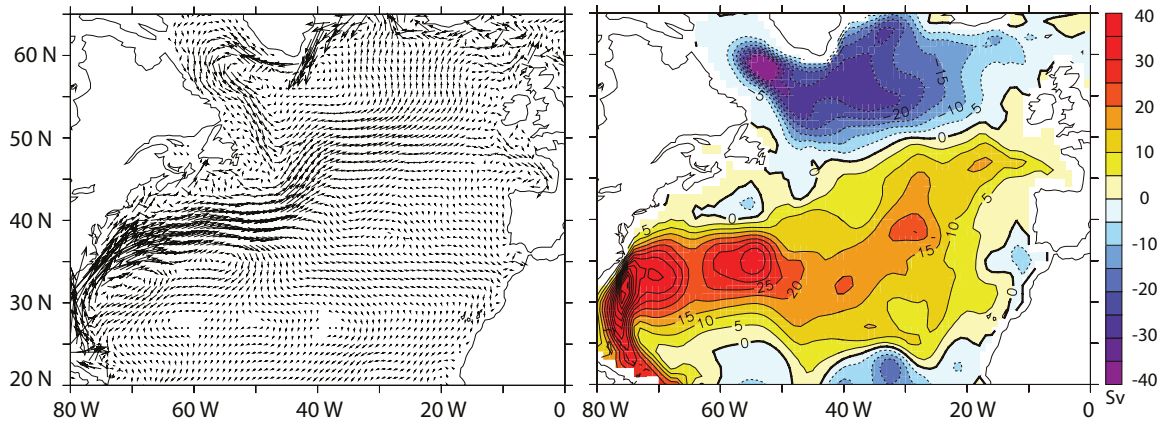


Fig. 19.3

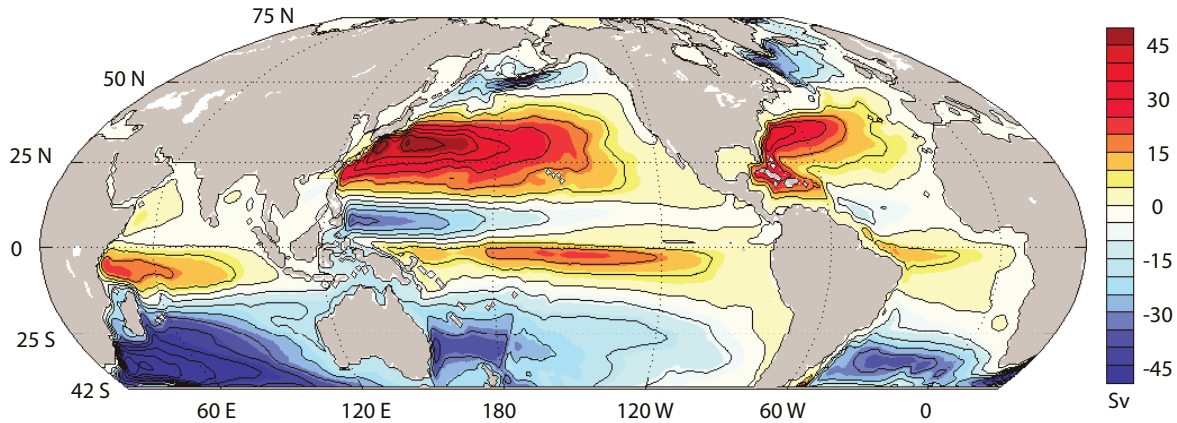
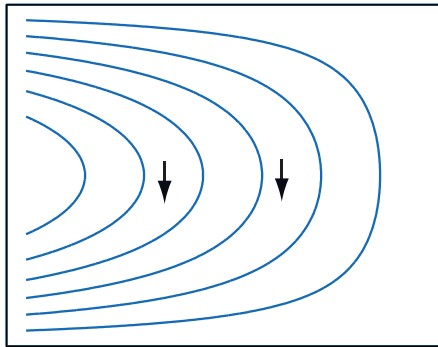


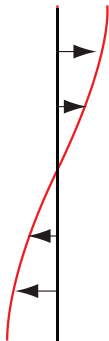
Fig. 19.4



Western boundary layer



Wind stress



Eastern boundary layer

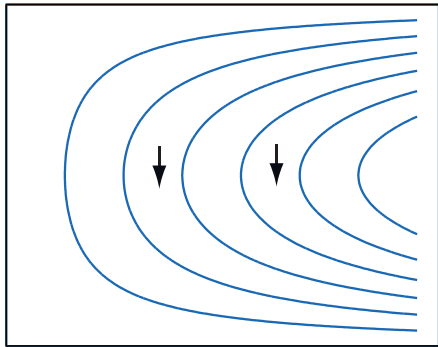
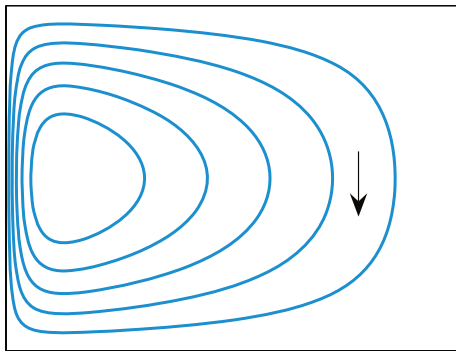


Fig. 19.5

Streamfunction



Wind stress

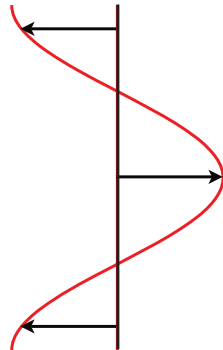
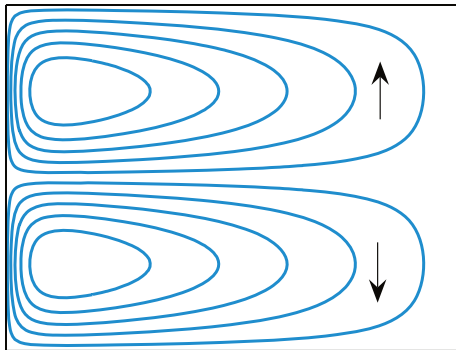
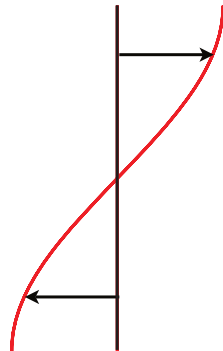


Fig. 19.6

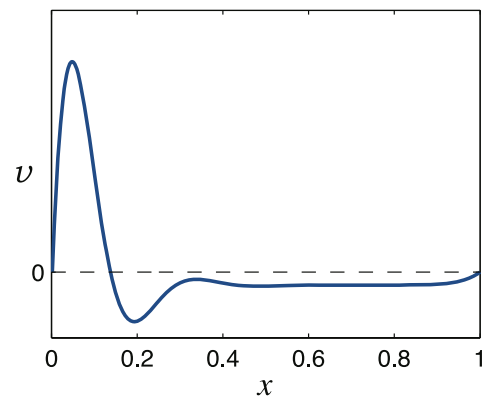
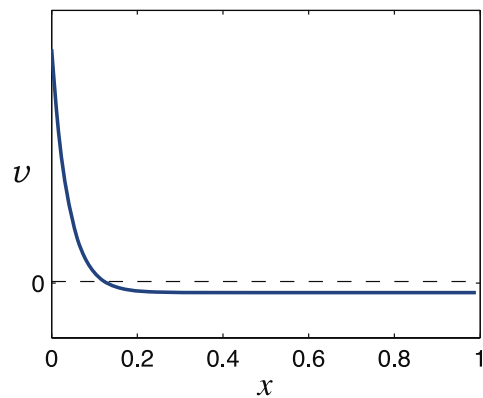
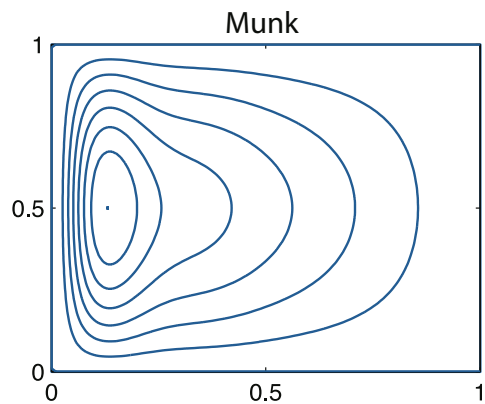
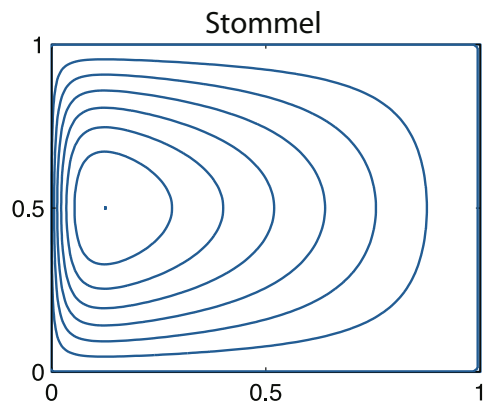


Fig. 19.7

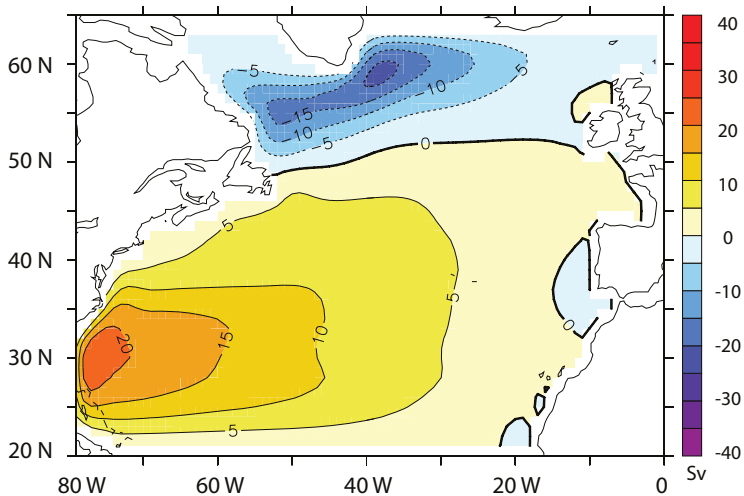


Fig. 19.8

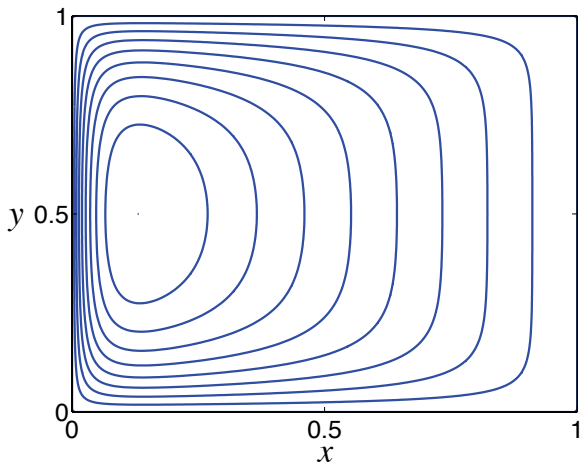


Fig. 19.9

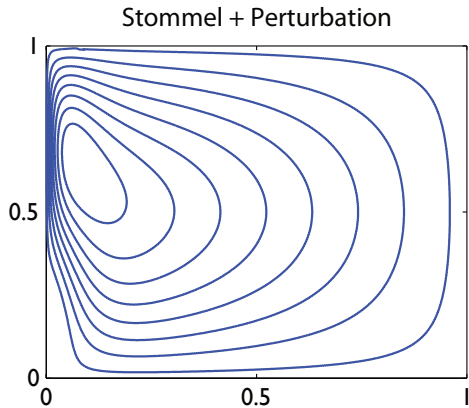
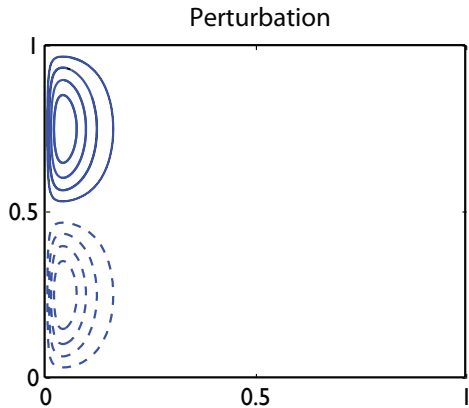


Fig. 19.10

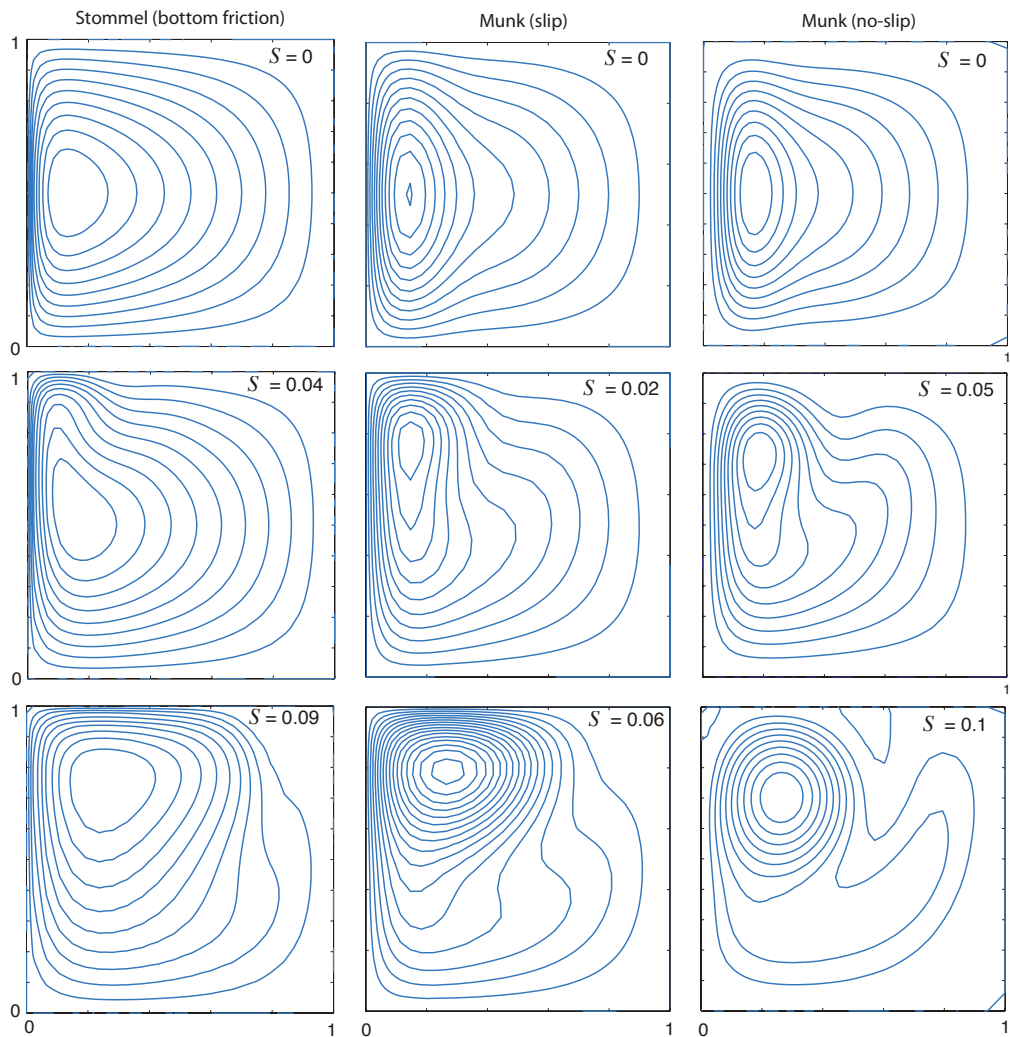


Fig. 19.11

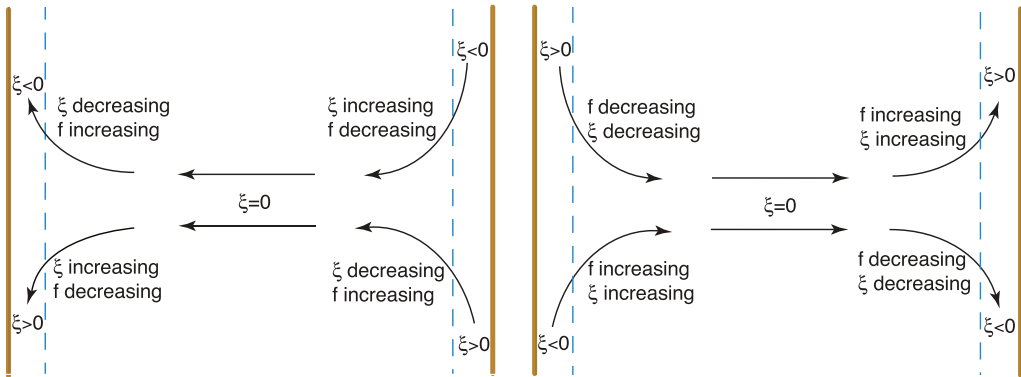


Fig. 19.12



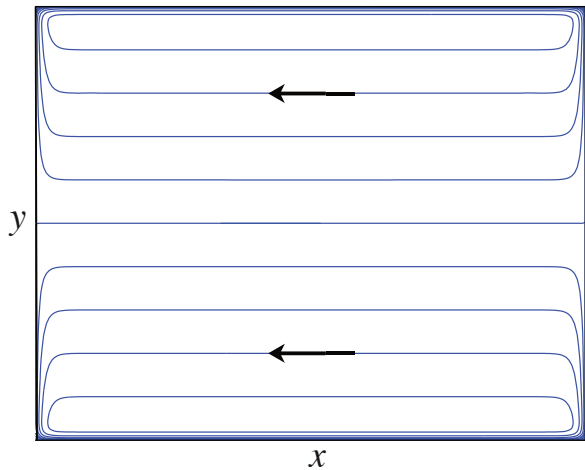


Fig. 19.13

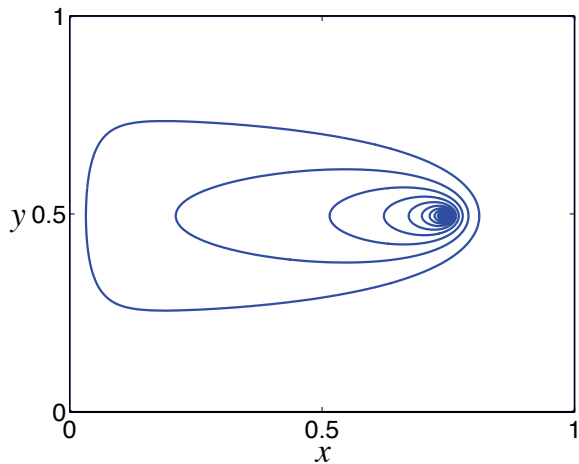


Fig. 19.14

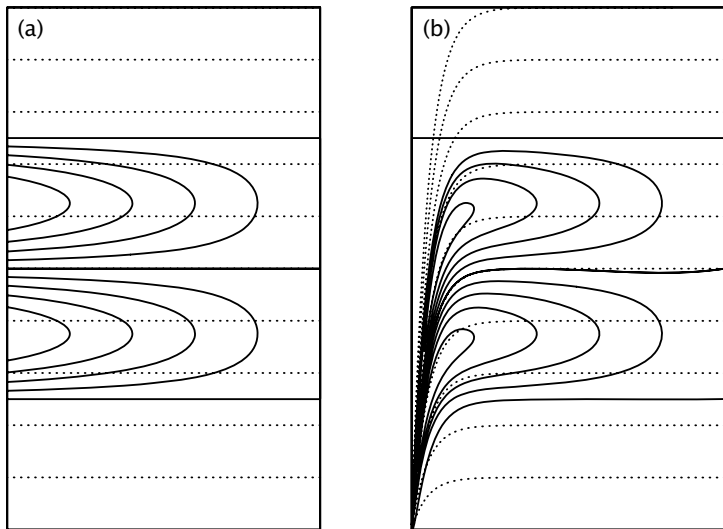


Fig. 19.15

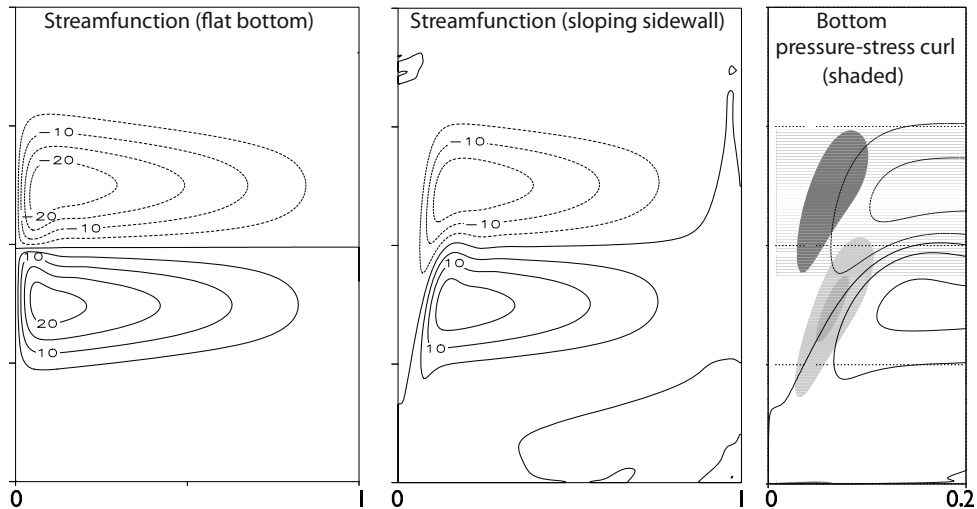


Fig. 19.16

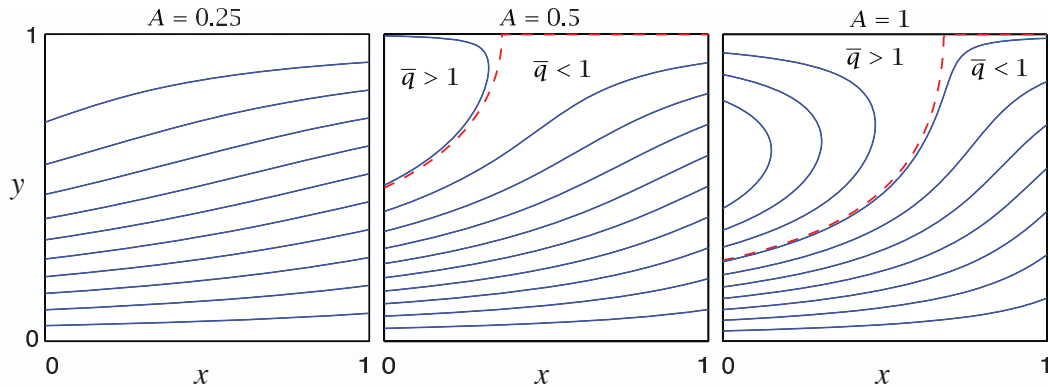


Fig. 20.1

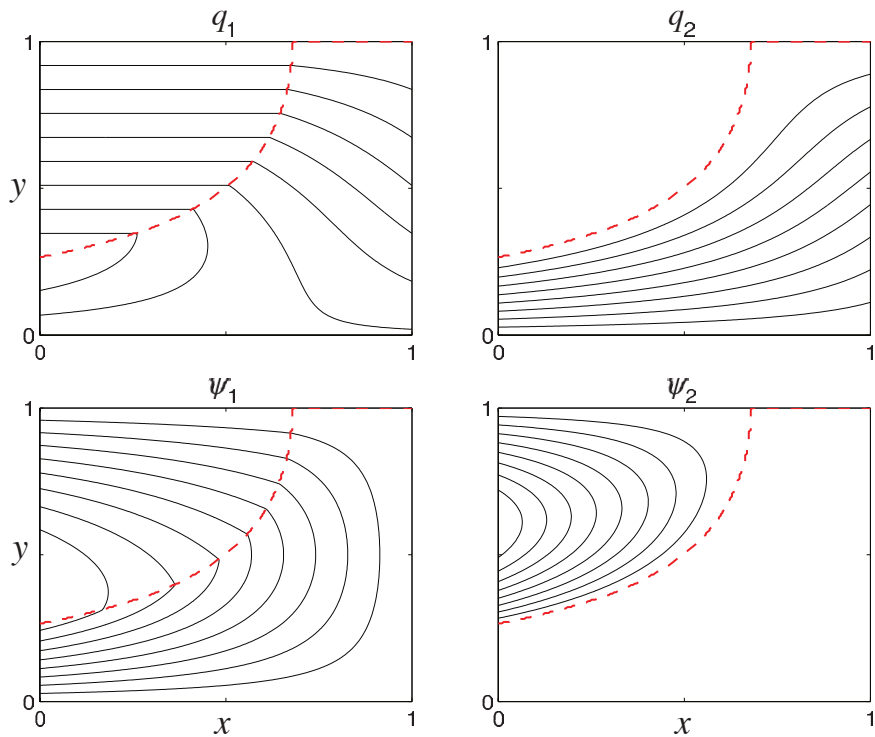
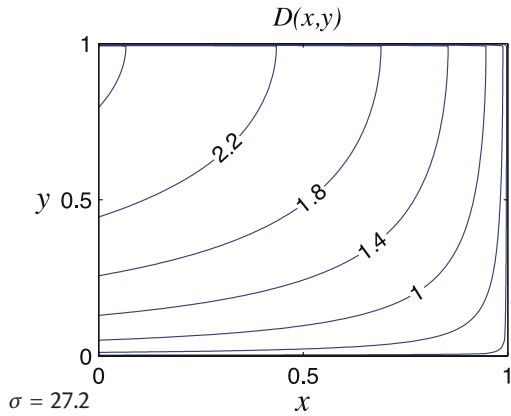


Fig. 20.2

$\sigma = 26.0$



$\sigma = 26.5$

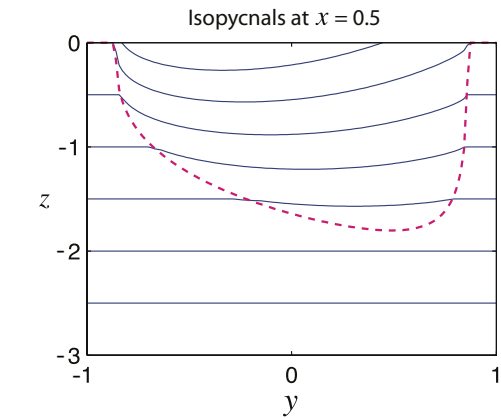
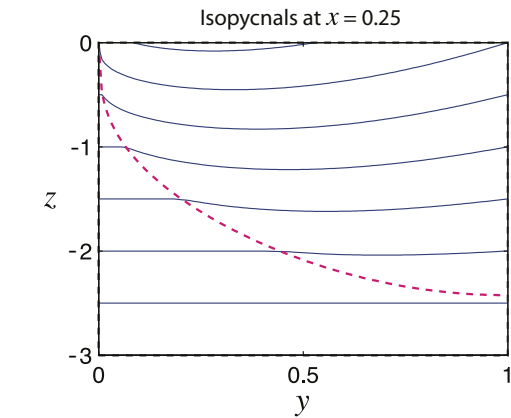
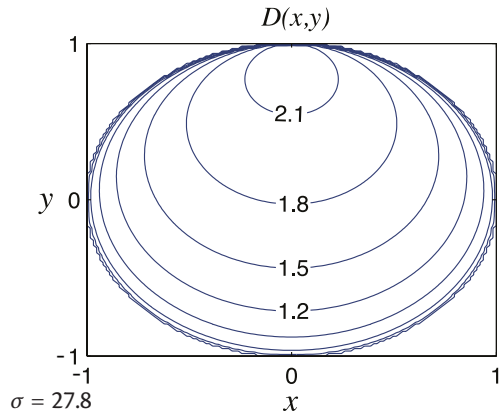
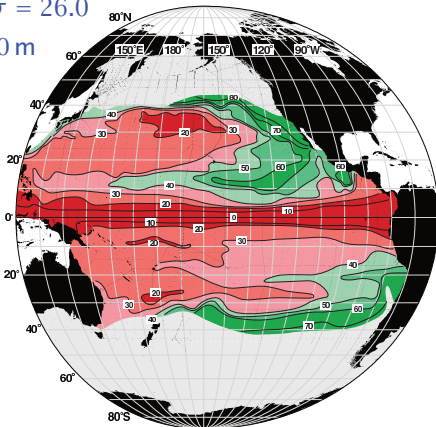


Fig. 20.3

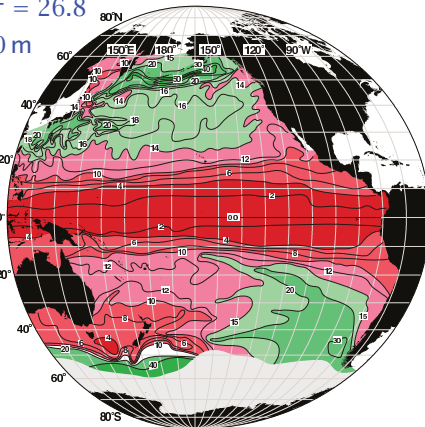
PV on  $\sigma = 26.0$

$\bar{D} \approx 200 \text{ m}$



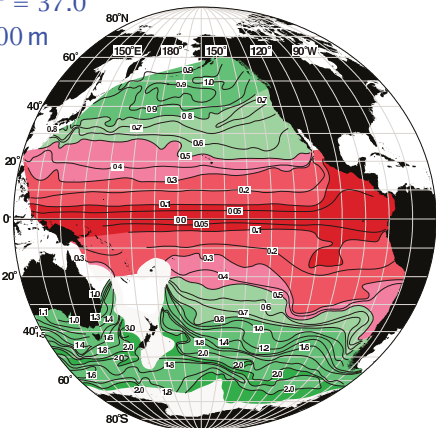
PV on  $\sigma = 26.8$

$\bar{D} \approx 400 \text{ m}$



PV on  $\sigma = 37.0$

$\bar{D} \approx 2700 \text{ m}$



PV on  $\sigma = 26.8$

$\bar{D} \approx 350 \text{ m}$

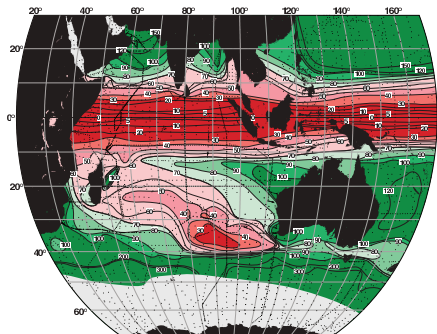
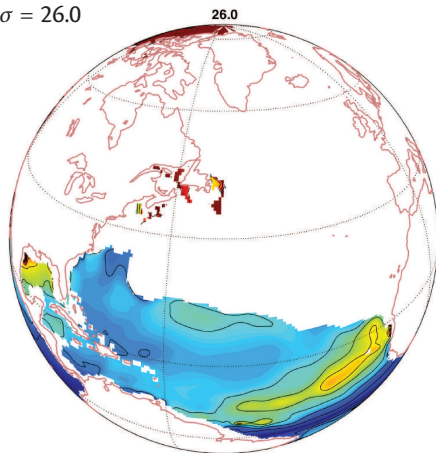


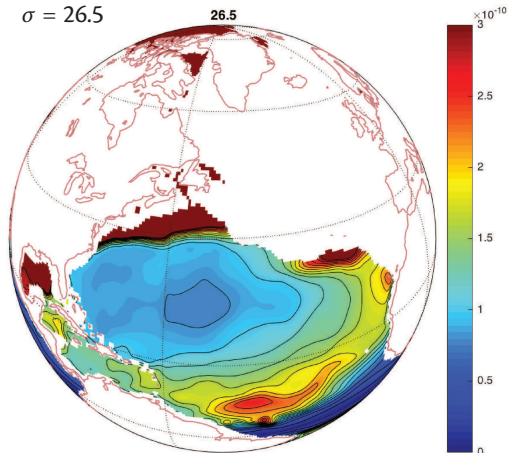
Fig. 20.4



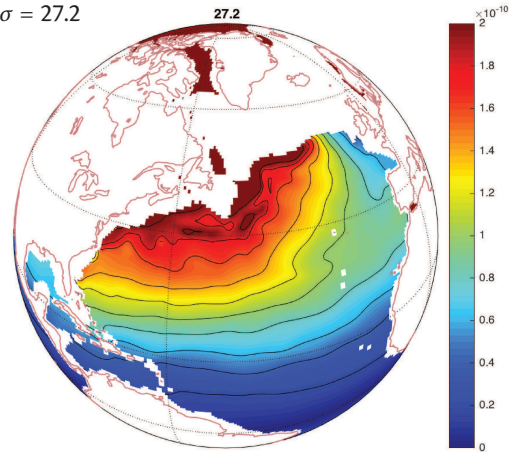
$\sigma = 26.0$



$\sigma = 26.5$



$\sigma = 27.2$



$\sigma = 27.8$

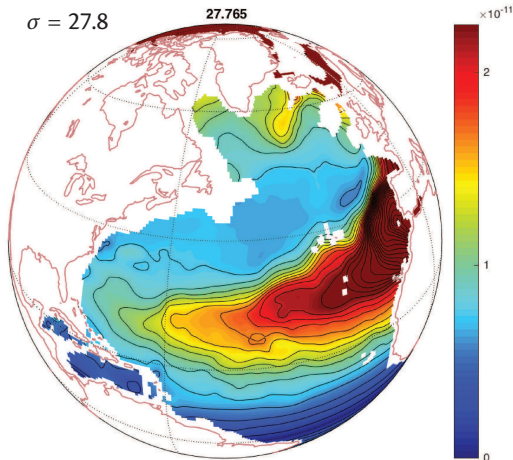


Fig. 20.5

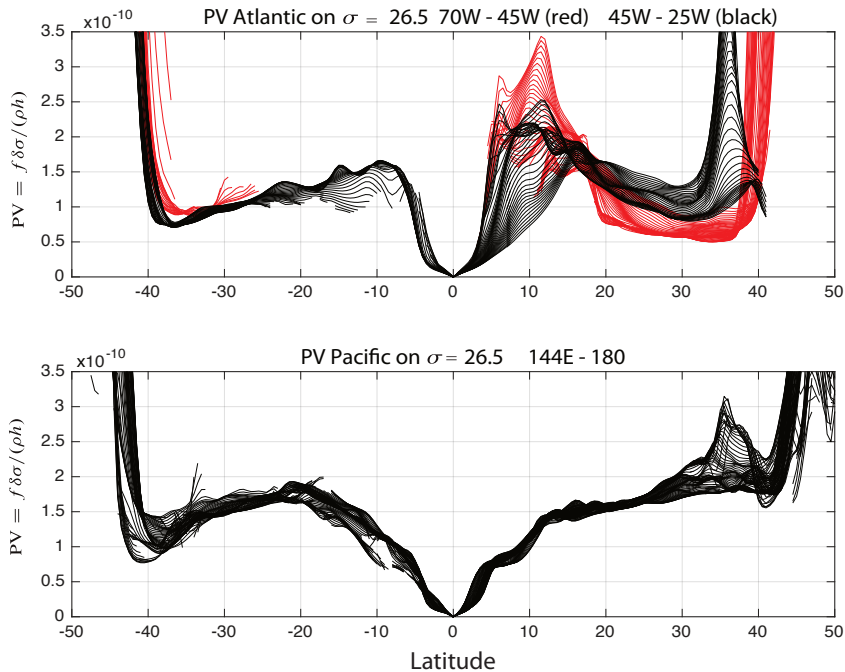


Fig. 20.6

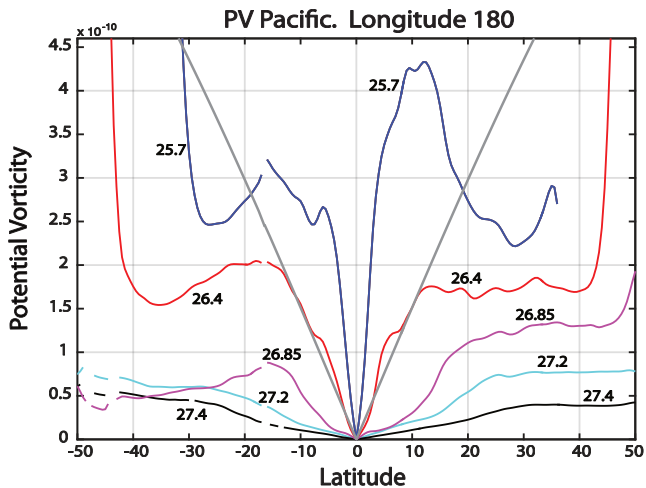


Fig. 20.7

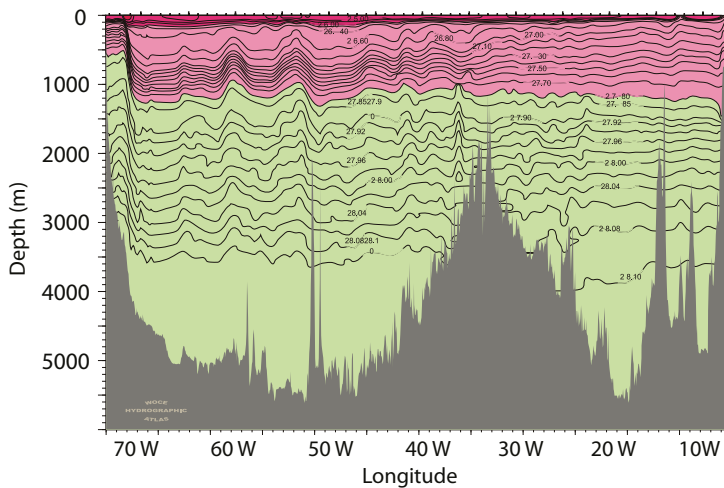
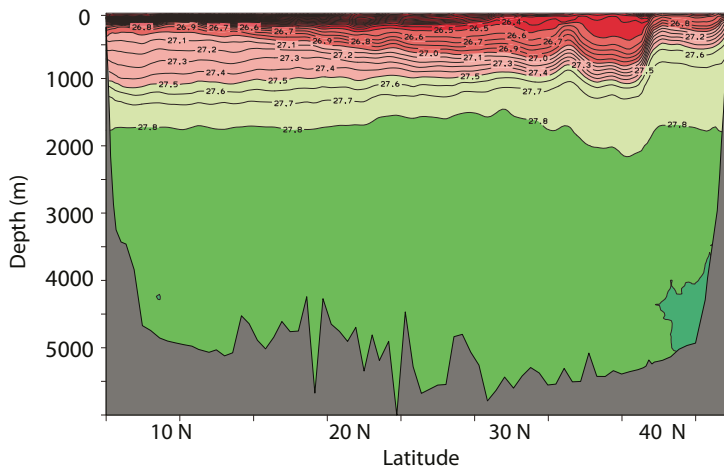


Fig. 20.8

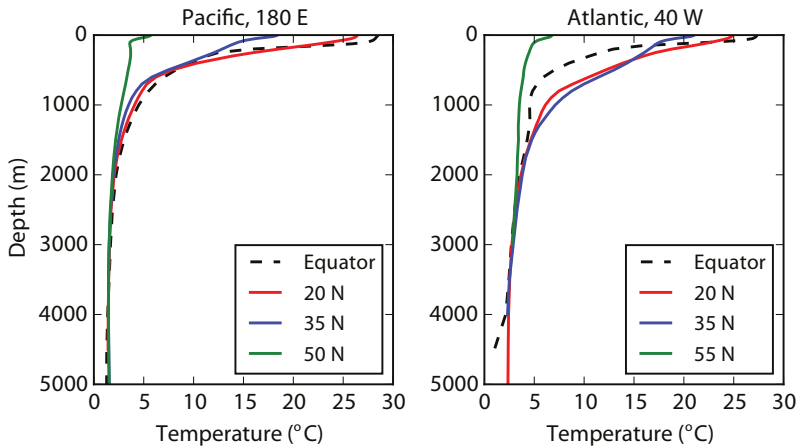


Fig. 20.9

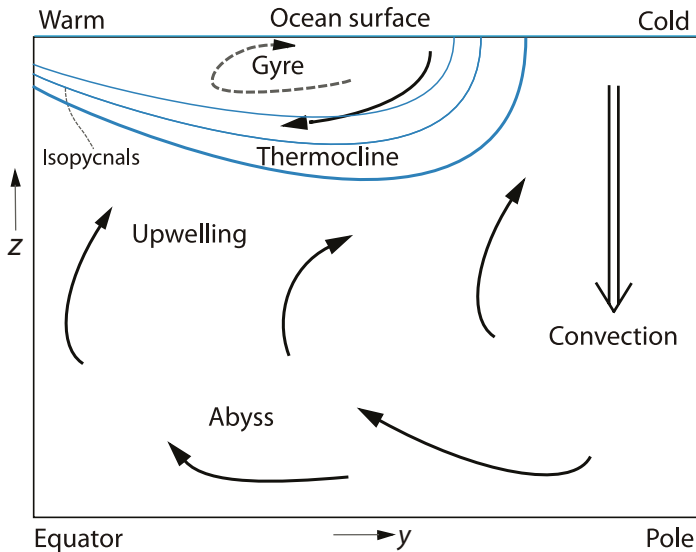


Fig. 20.10

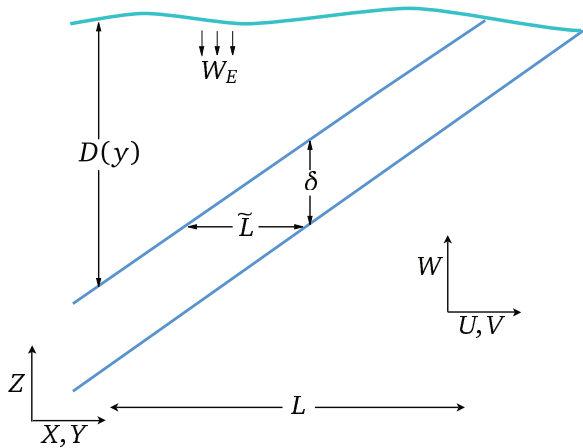


Fig. 20.11

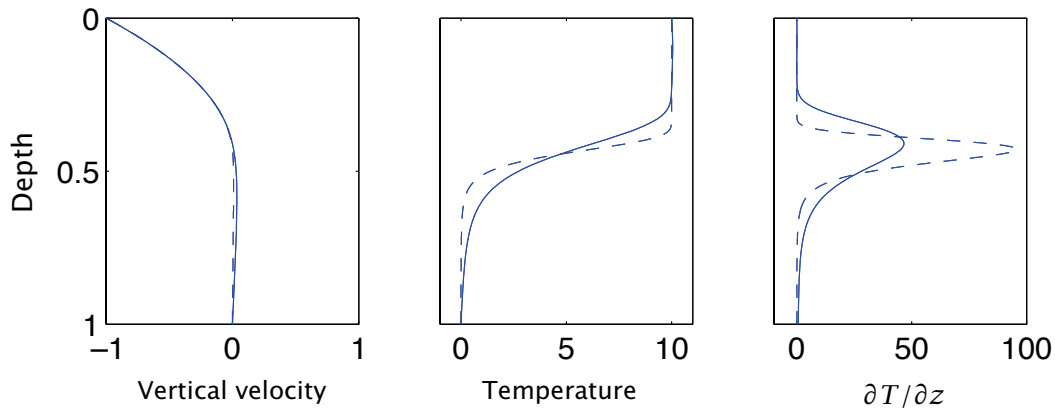


Fig. 20.12



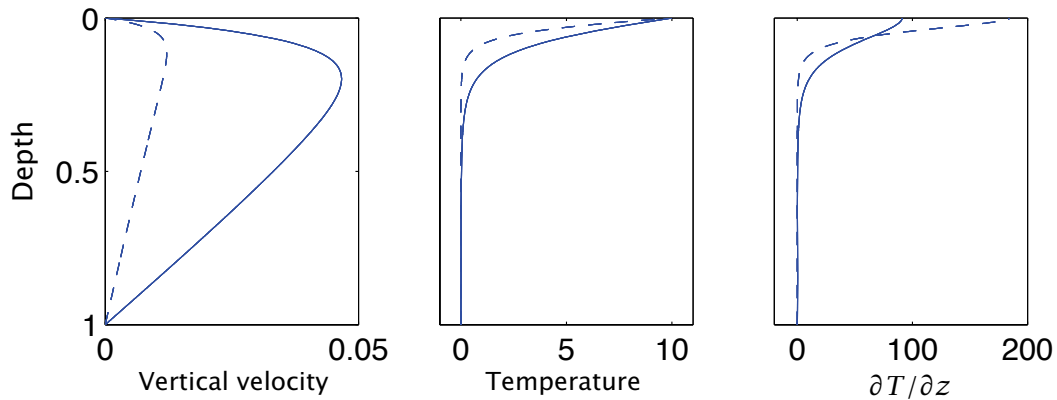


Fig. 20.13

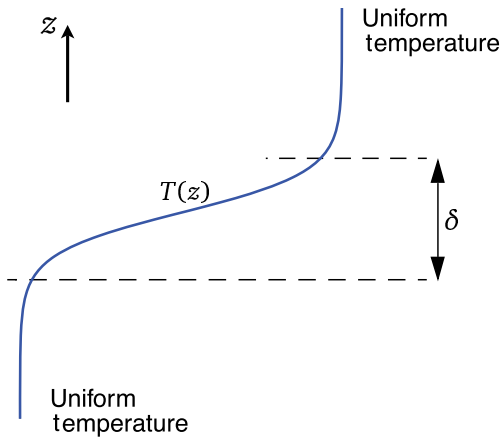
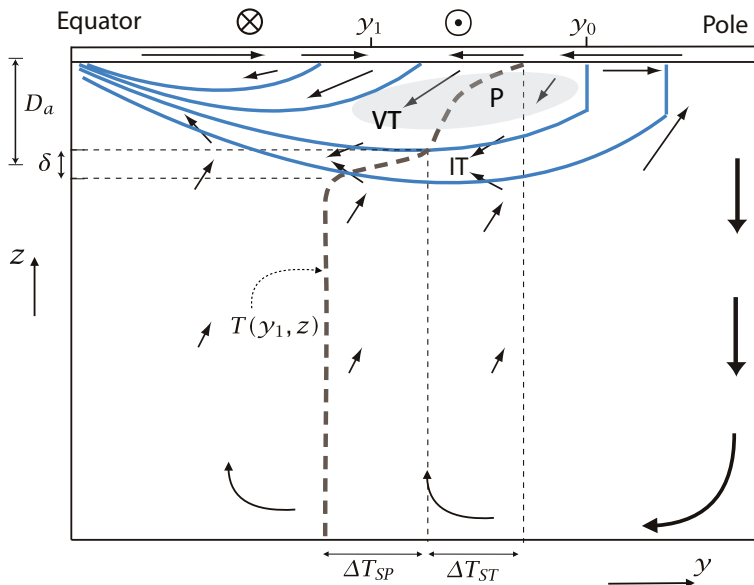


Fig. 20.14



**Key:** VT – ventilated thermocline. IT – internal thermocline. P – pool region in west.  $\delta$  – thickness of the internal thermocline.  $D_a$  – depth of the ventilated thermocline.  $\Delta T_{ST}$  – temperature drop across subtropical gyre and across ventilated thermocline.  $\Delta T_{SP}$  – temperature drop across the subpolar gyre and internal thermocline.  $y_0$  – subtropical-subpolar gyre boundary.  $y_1$  – a latitude in the subtropical gyre.

**Fig. 20.15**

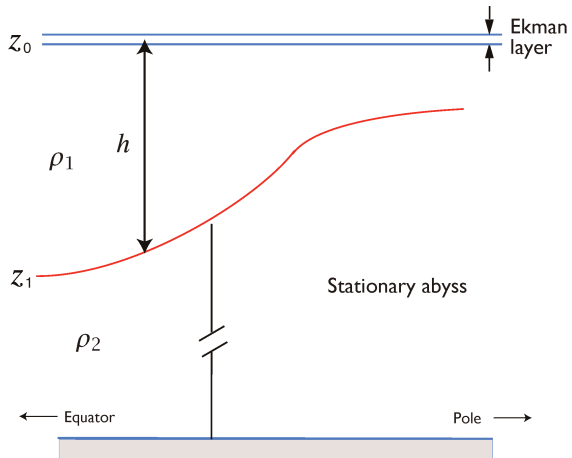


Fig. 20.16

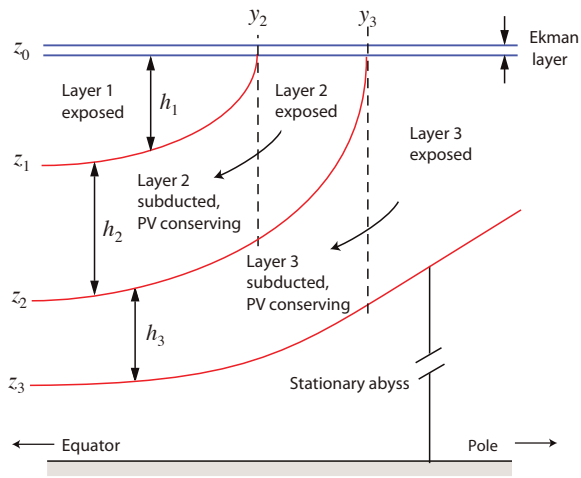
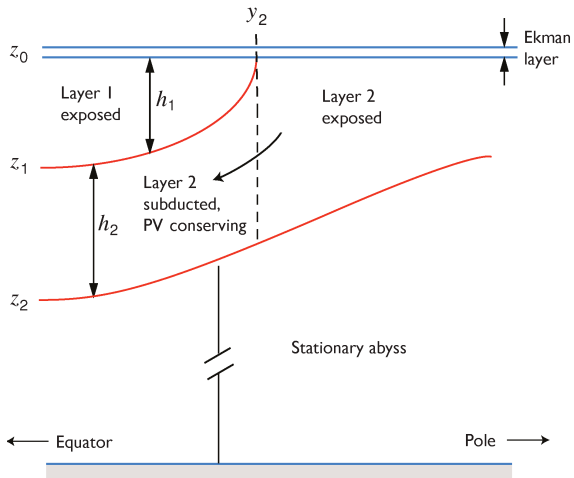


Fig. 20.17

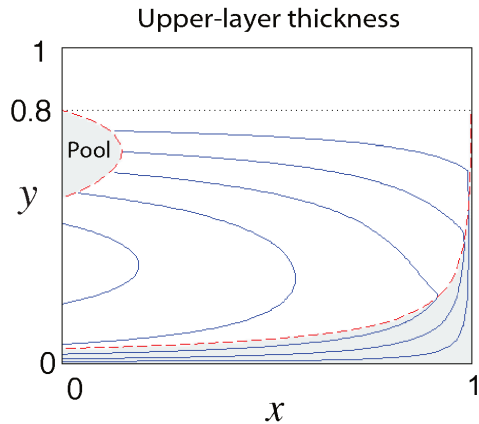
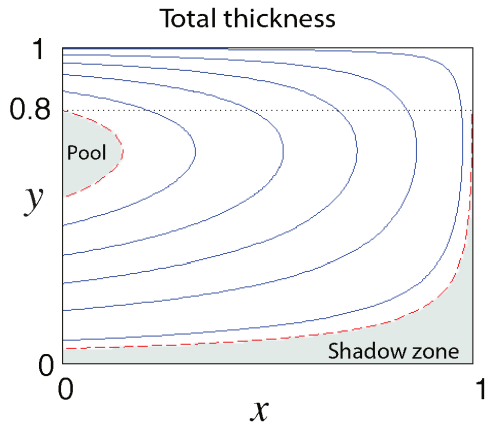


Fig. 20.18

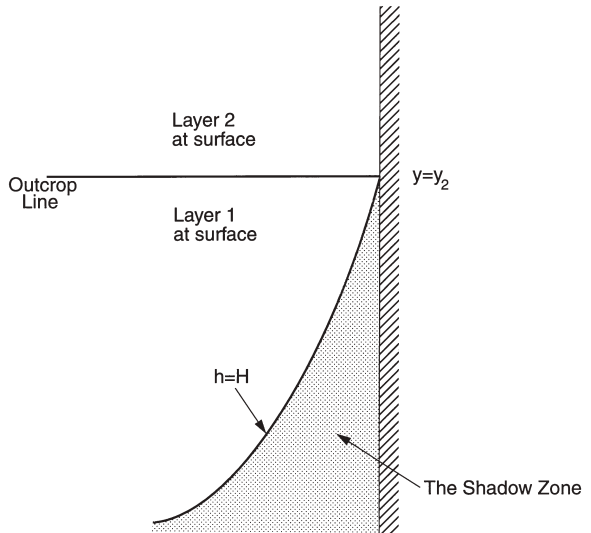


Fig. 20.19

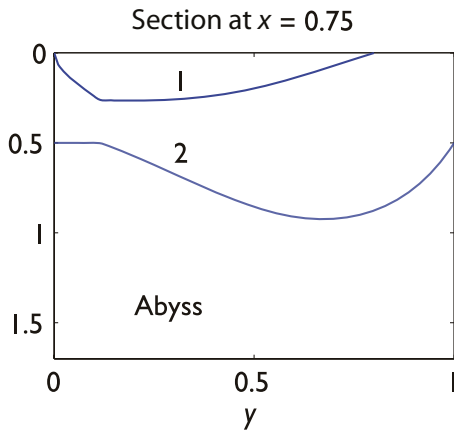
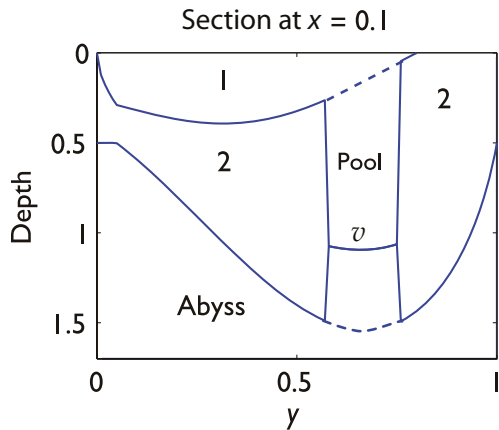
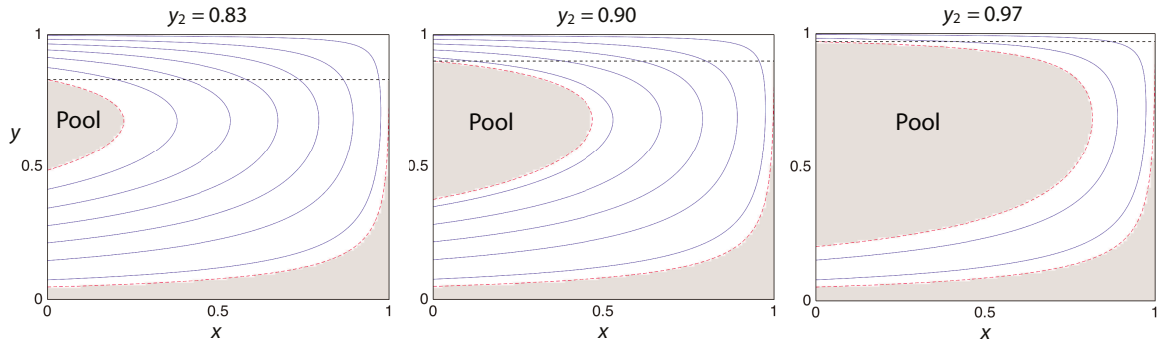


Fig. 20.20





**Fig. 20.21**

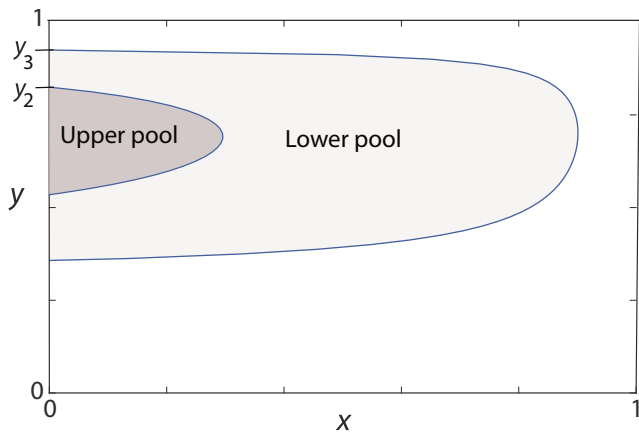


Fig. 20.22

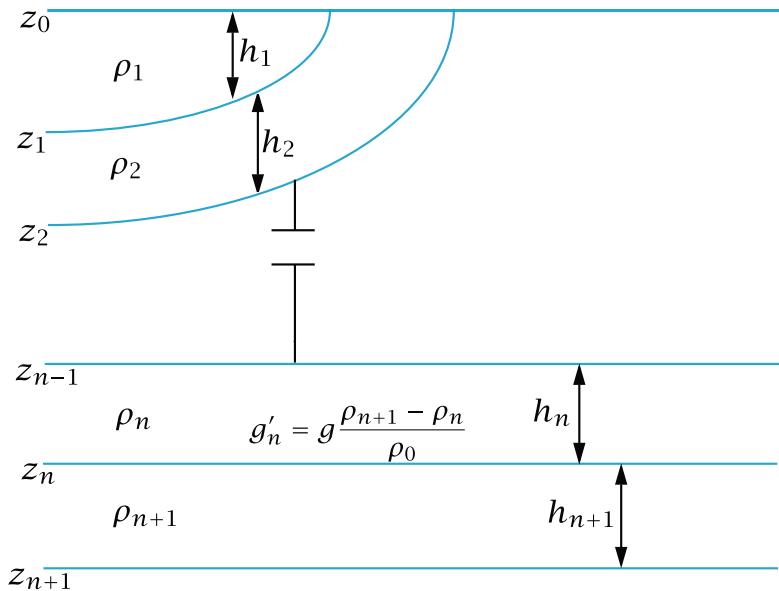


Fig. 20.23

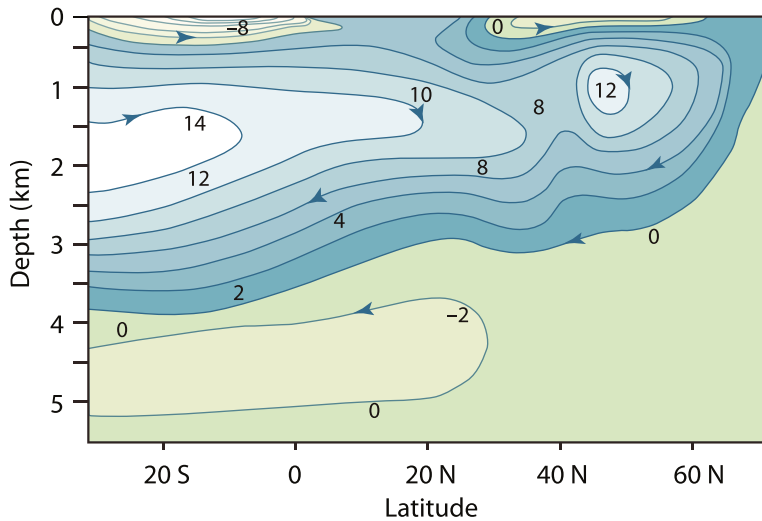


Fig. 21.1

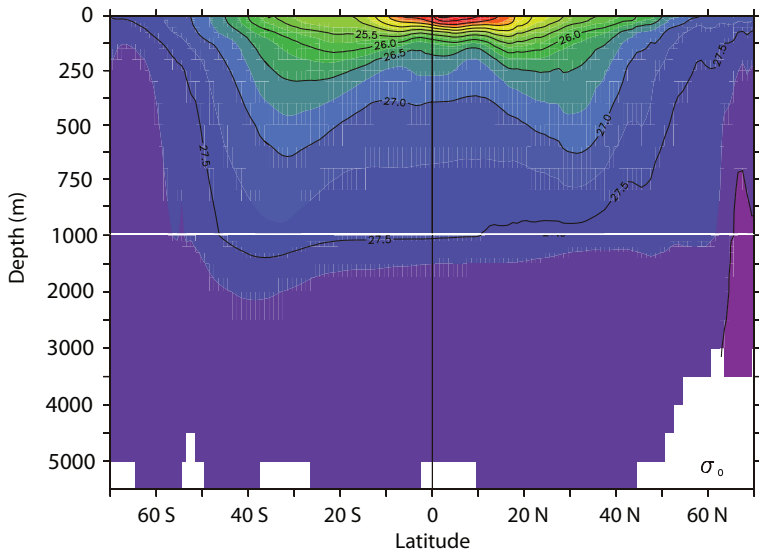


Fig. 21.2

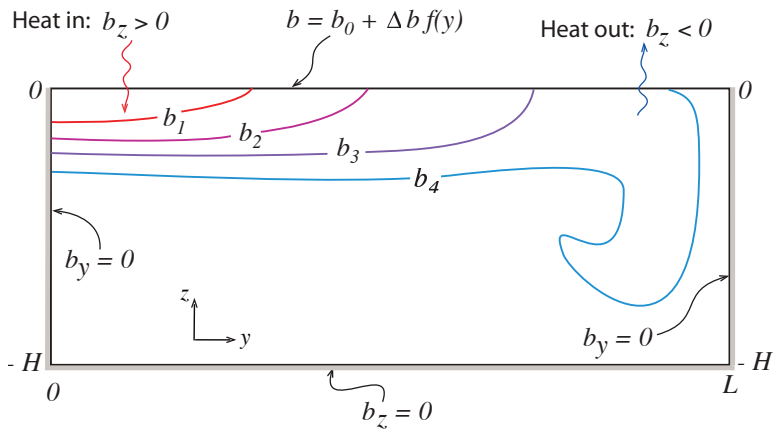


Fig. 21.3

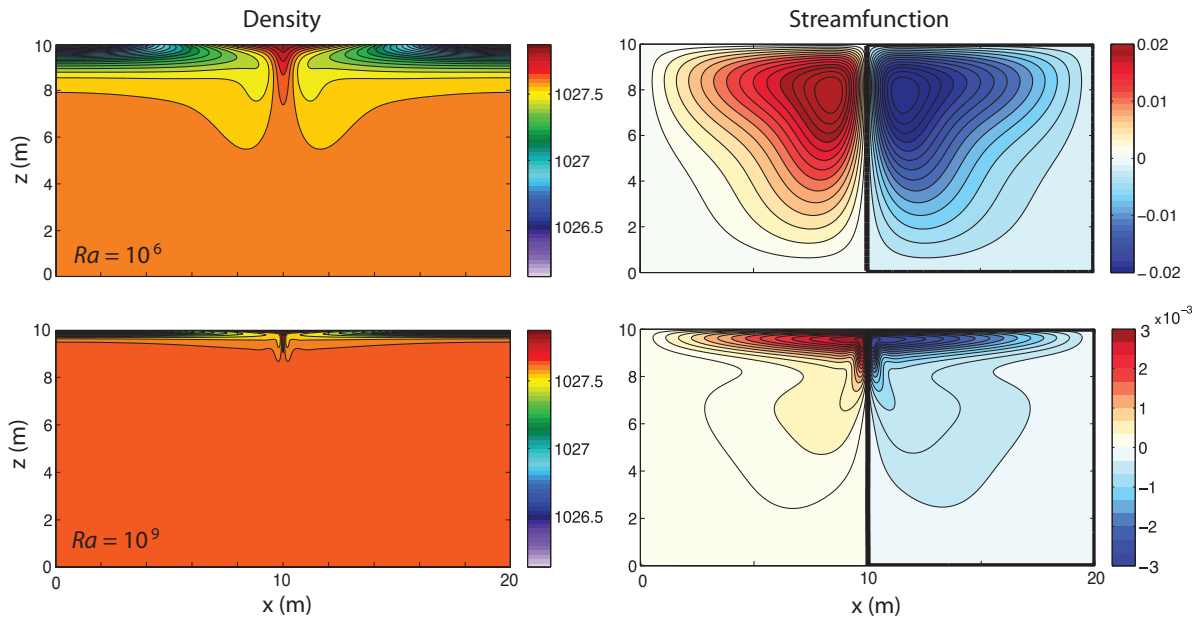


Fig. 21.4

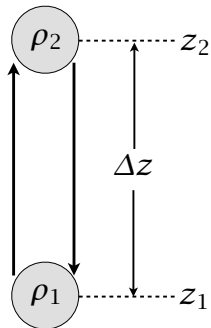


Fig. 21.5



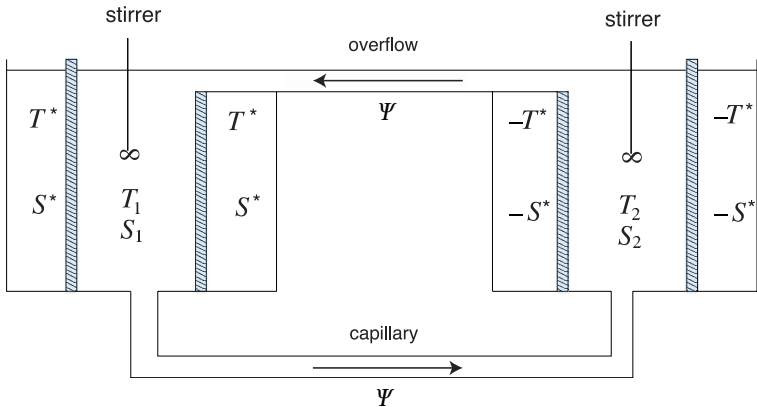


Fig. 21.6

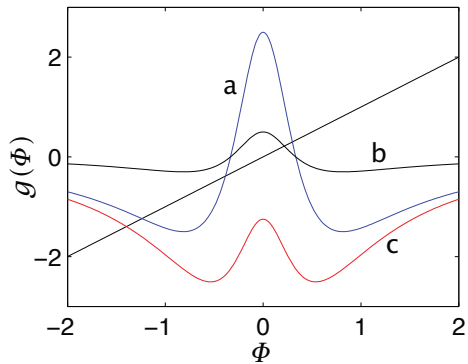
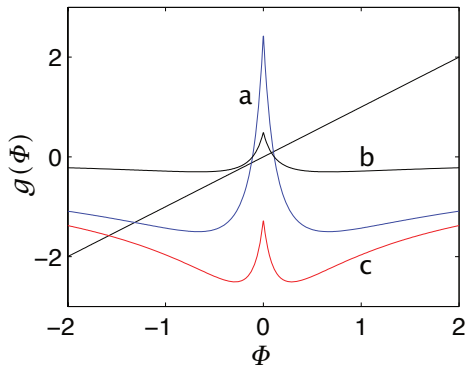


Fig. 21.7

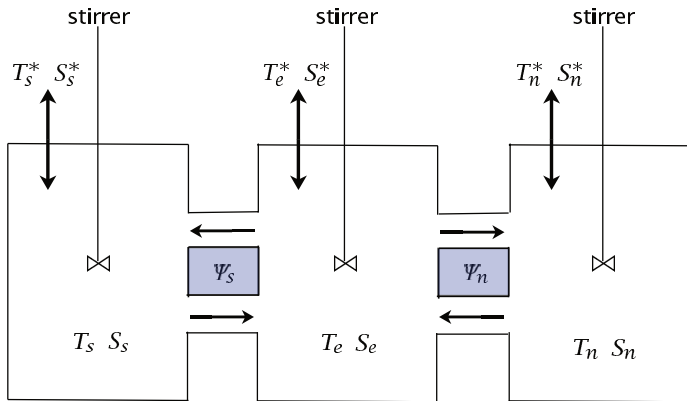


Fig. 21.8

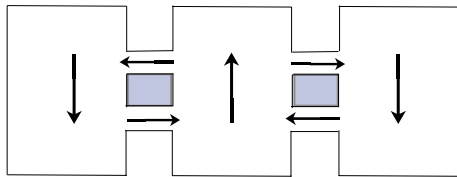
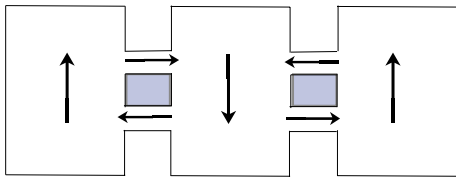
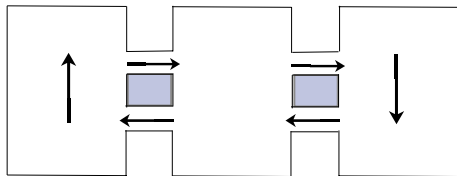
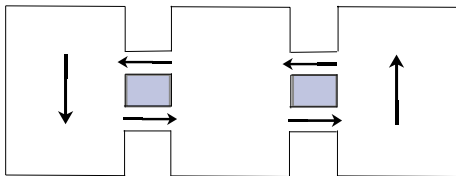


Fig. 21.9

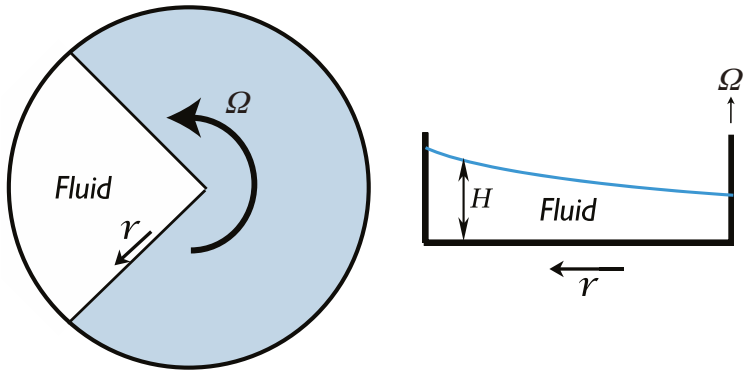


Fig. 21.10

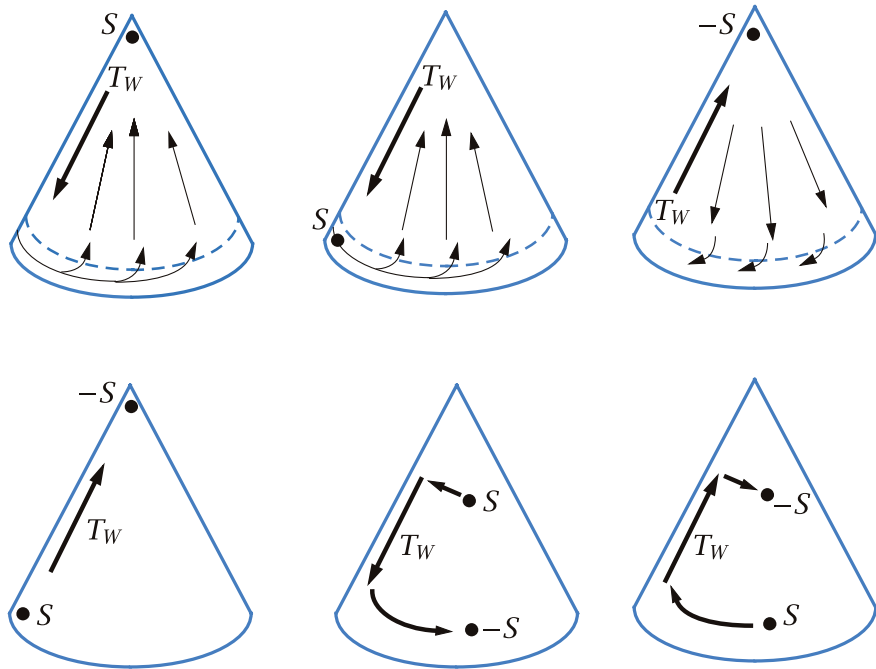


Fig. 21.11

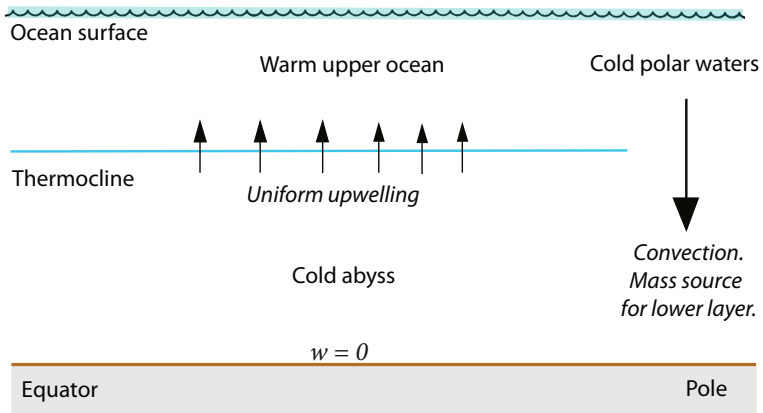


Fig. 21.12

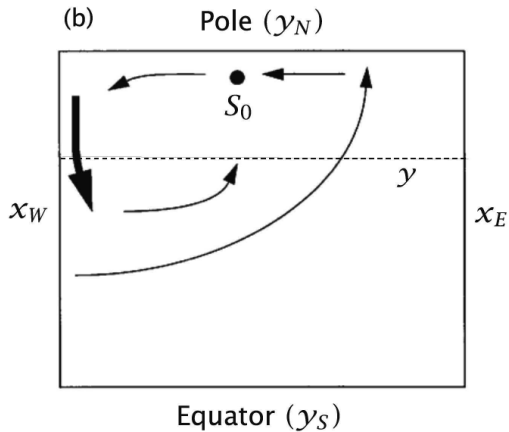
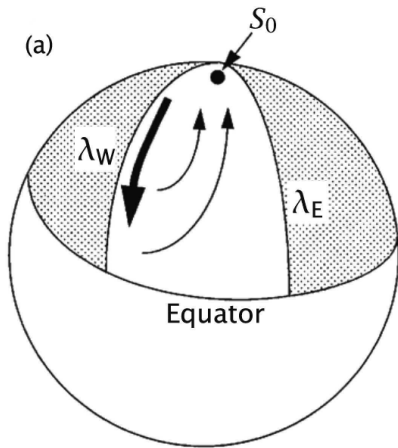


Fig. 21.13



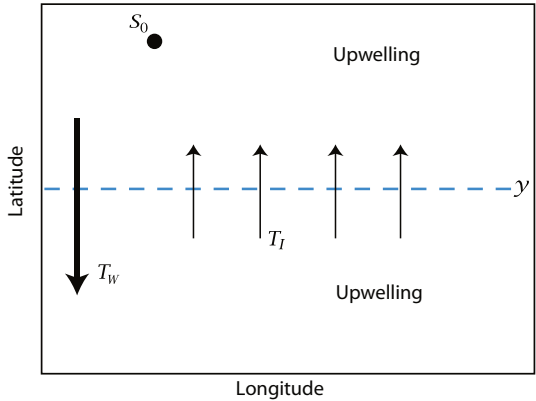


Fig. 21.14

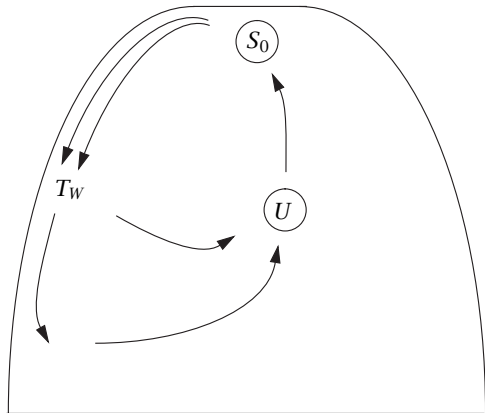


Fig. 21.15

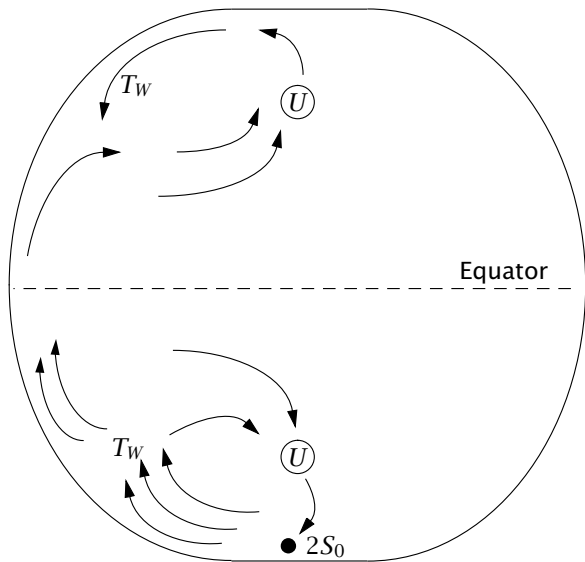


Fig. 21.16

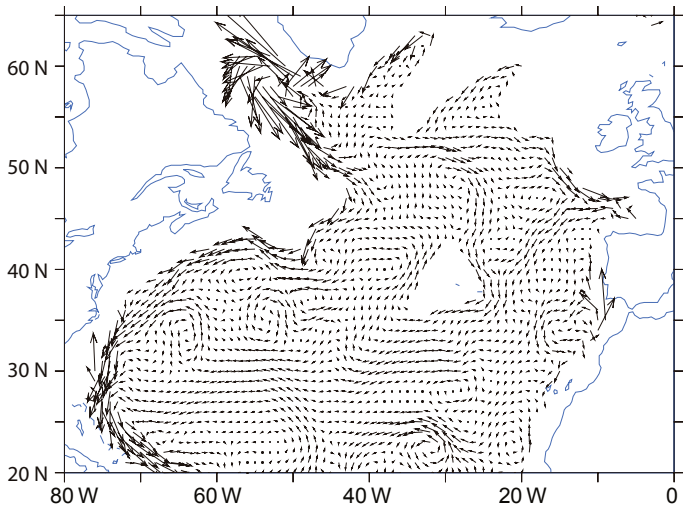


Fig. 21.17

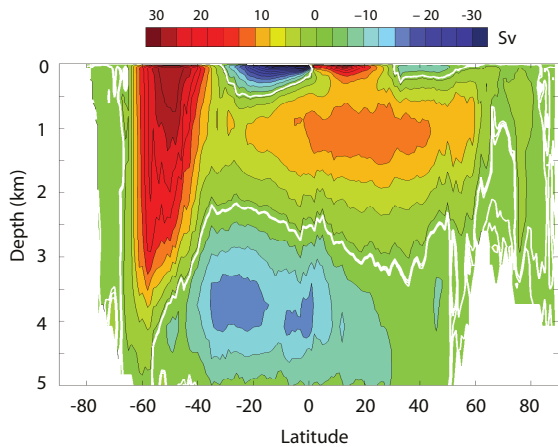
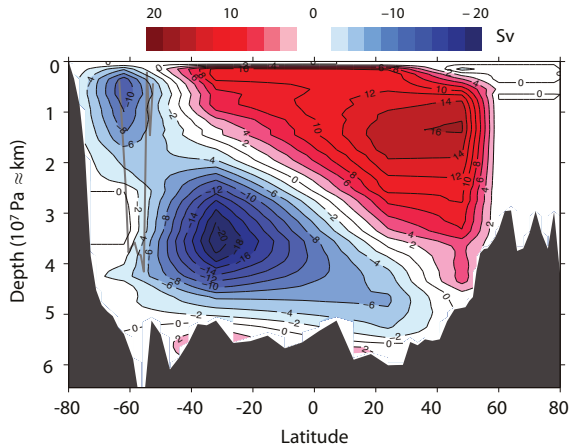


Fig. 21.18

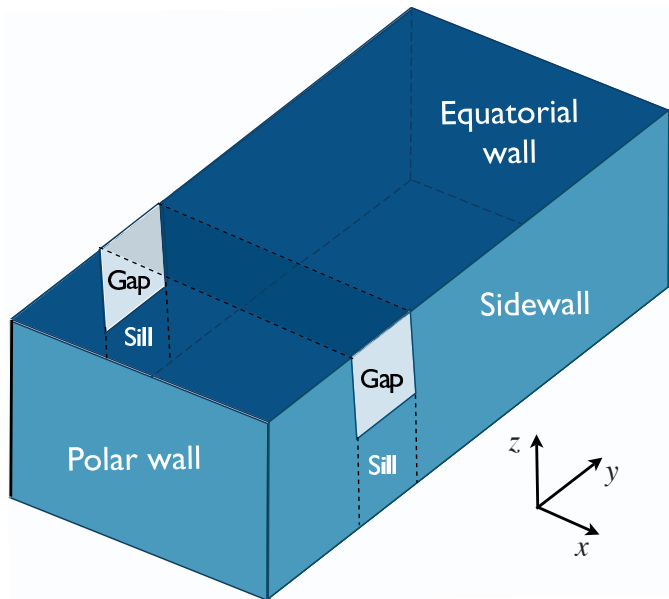


Fig. 21.19

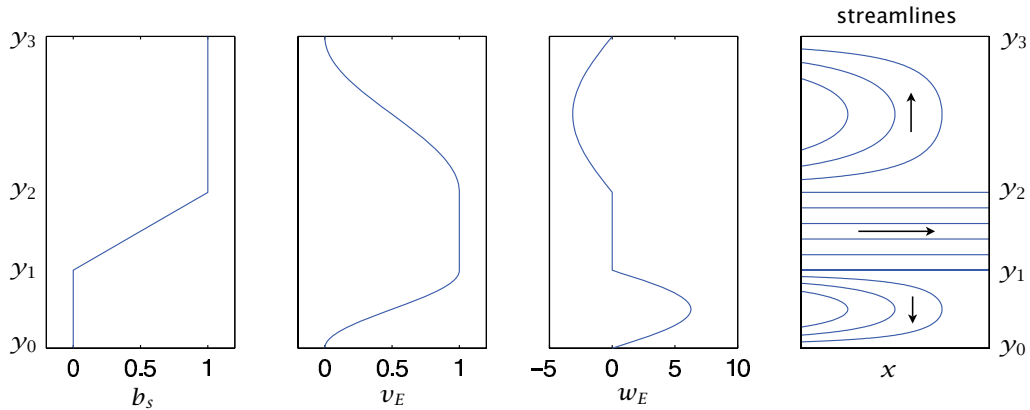


Fig. 21.20

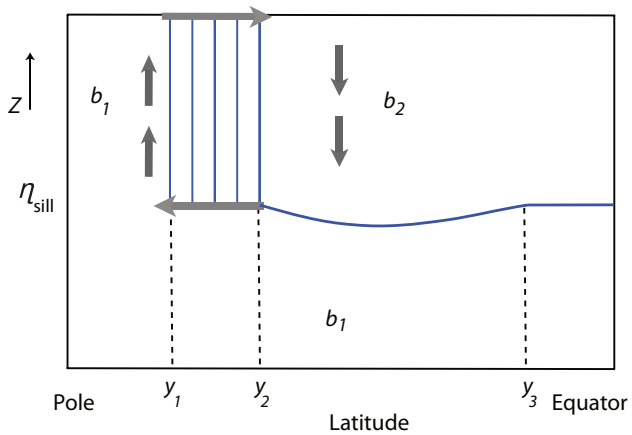


Fig. 21.21



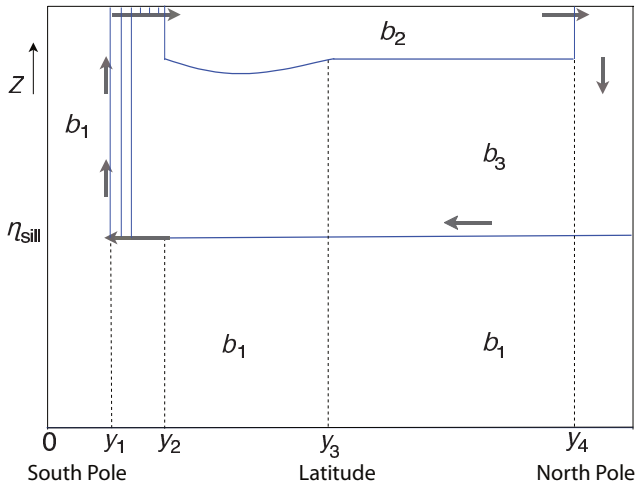


Fig. 21.22

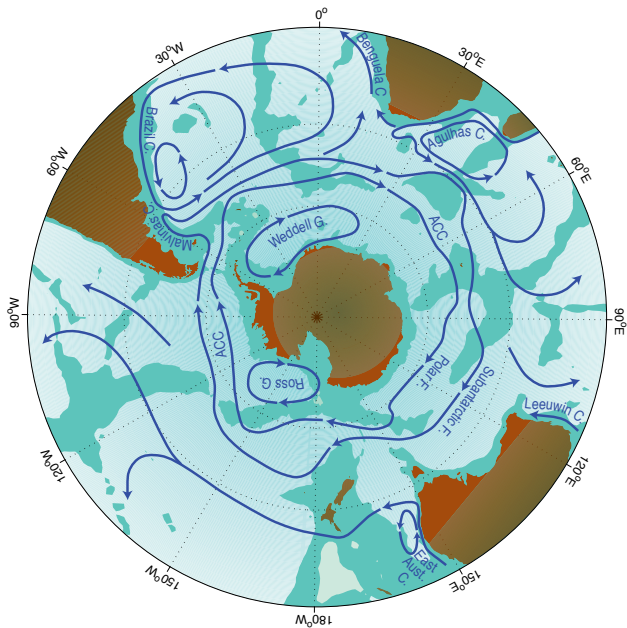


Fig. 21.23

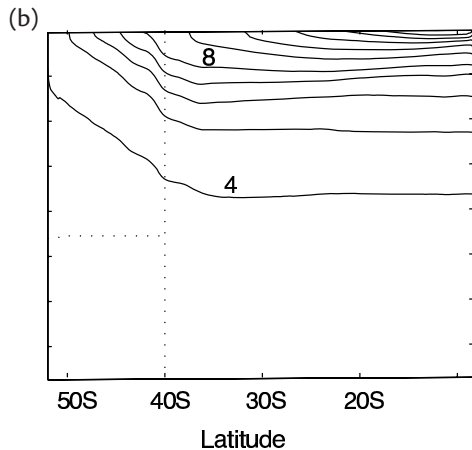
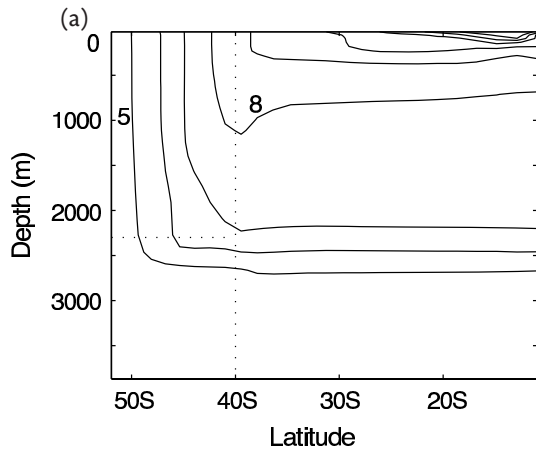


Fig. 21.24

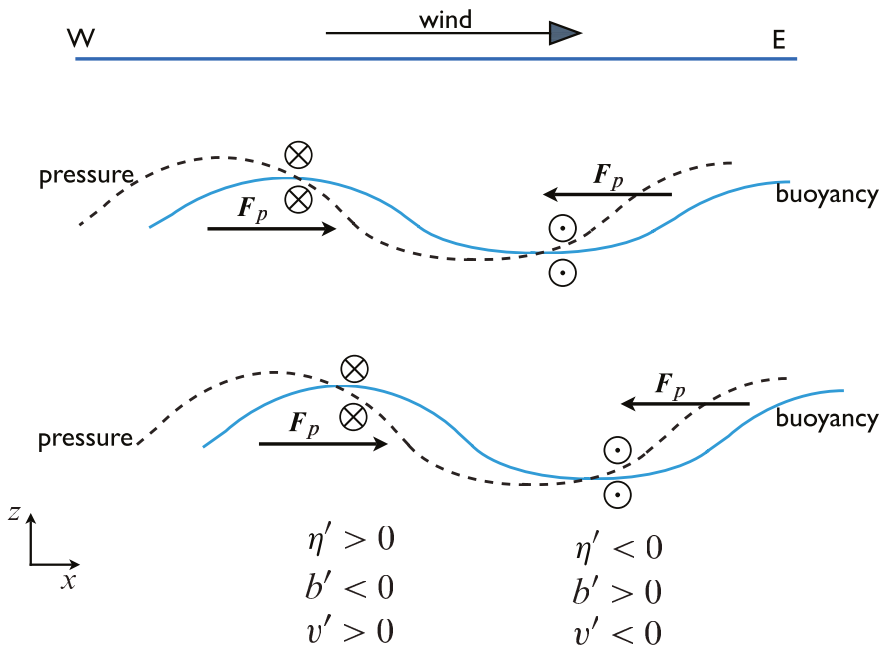


Fig. 21.25

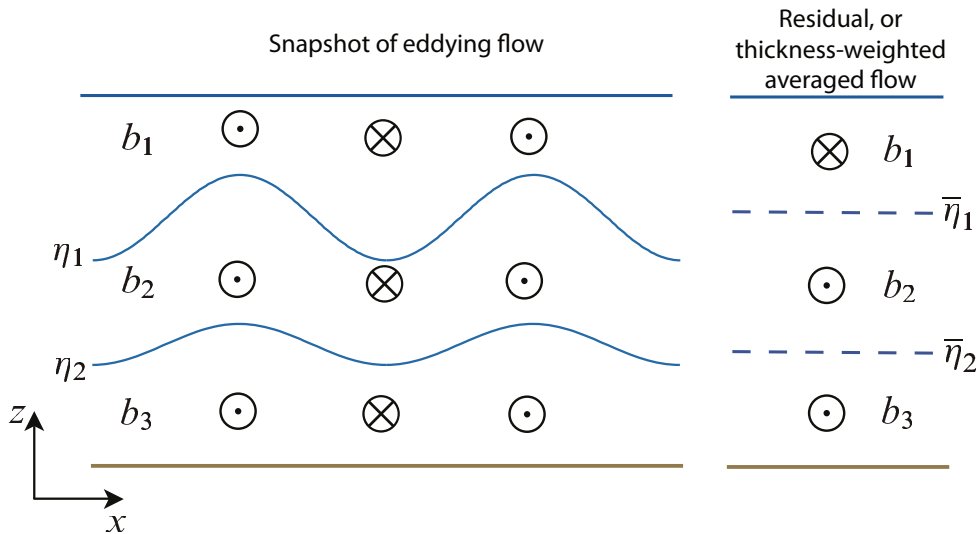


Fig. 21.26

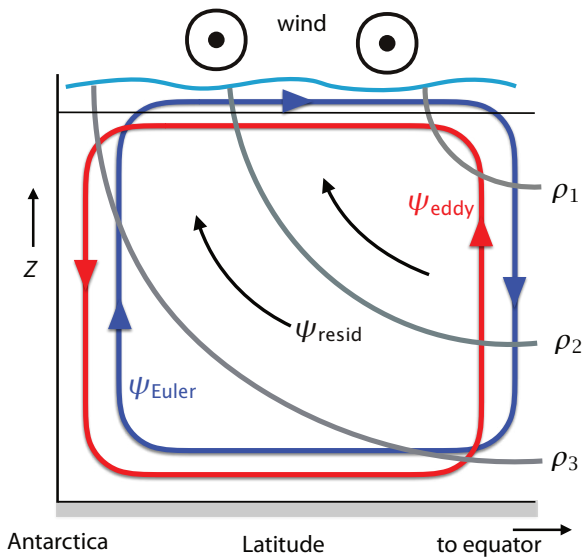


Fig. 21.27

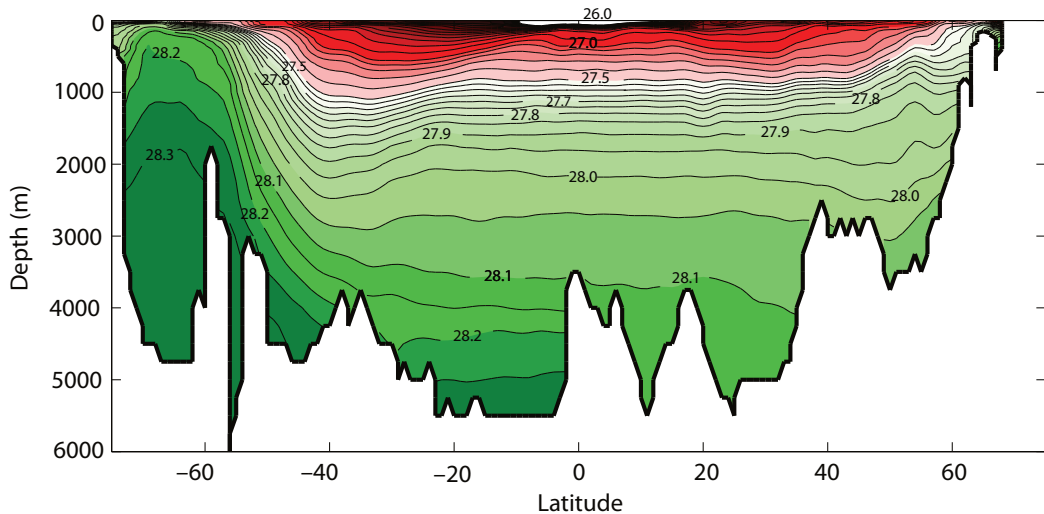


Fig. 21.28

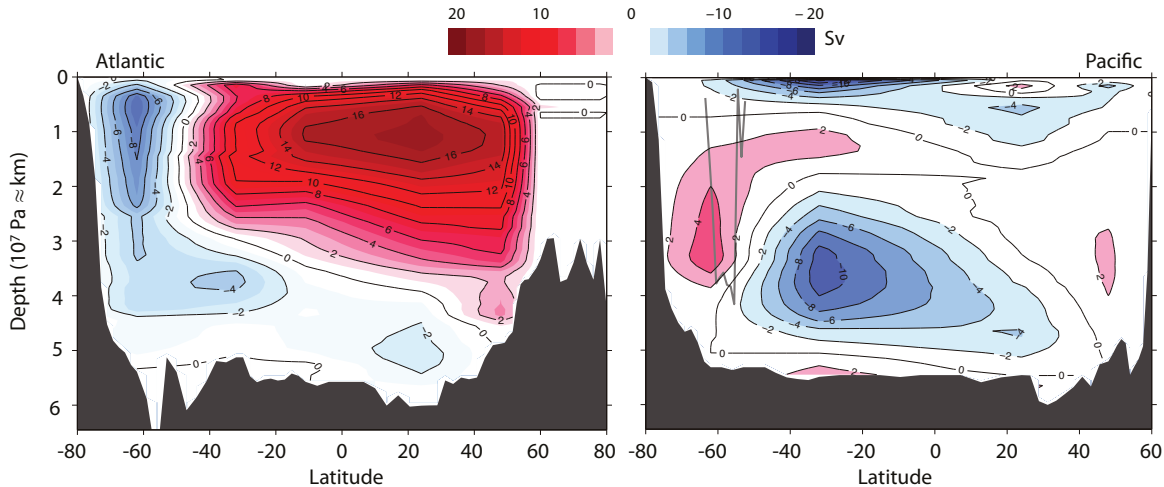


Fig. 21.29



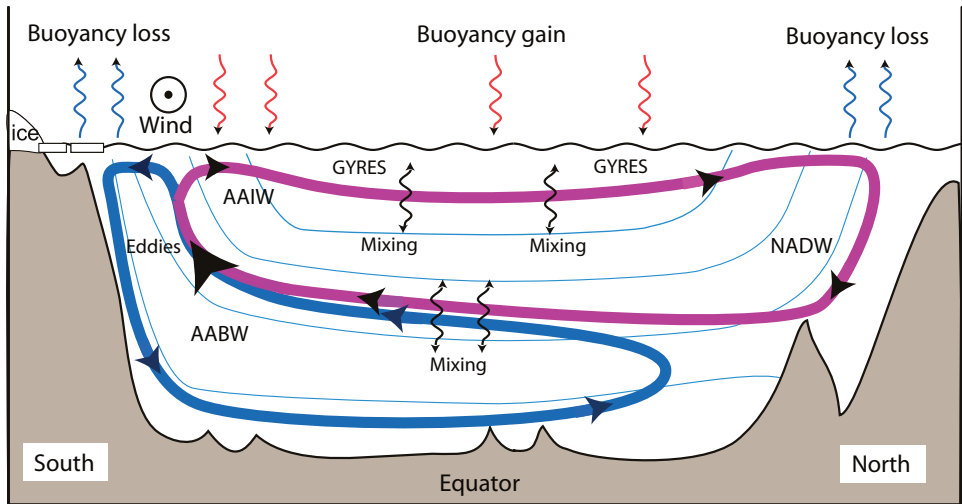


Fig. 21.30

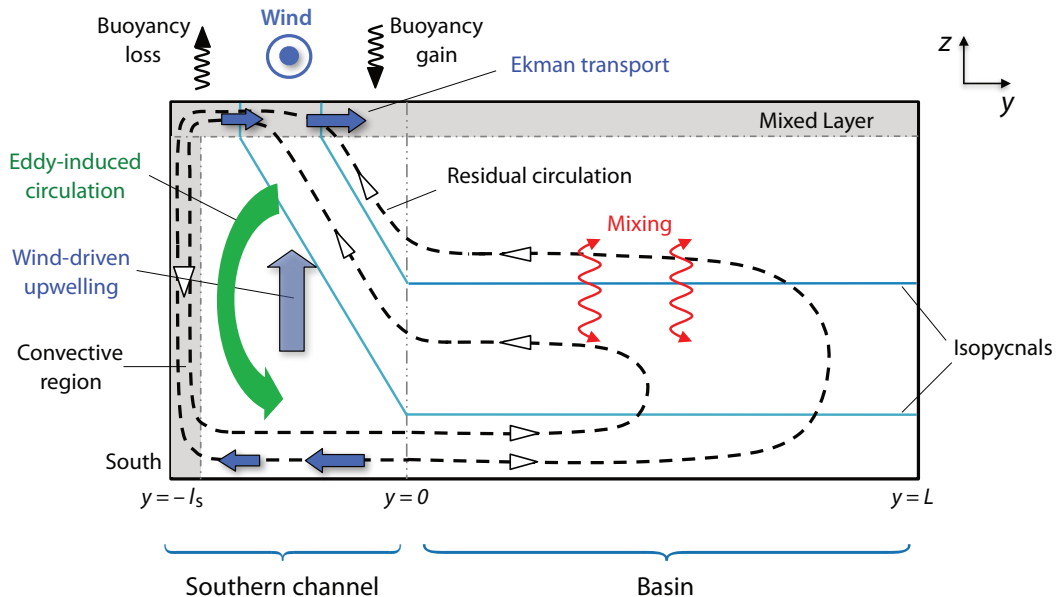


Fig. 21.31

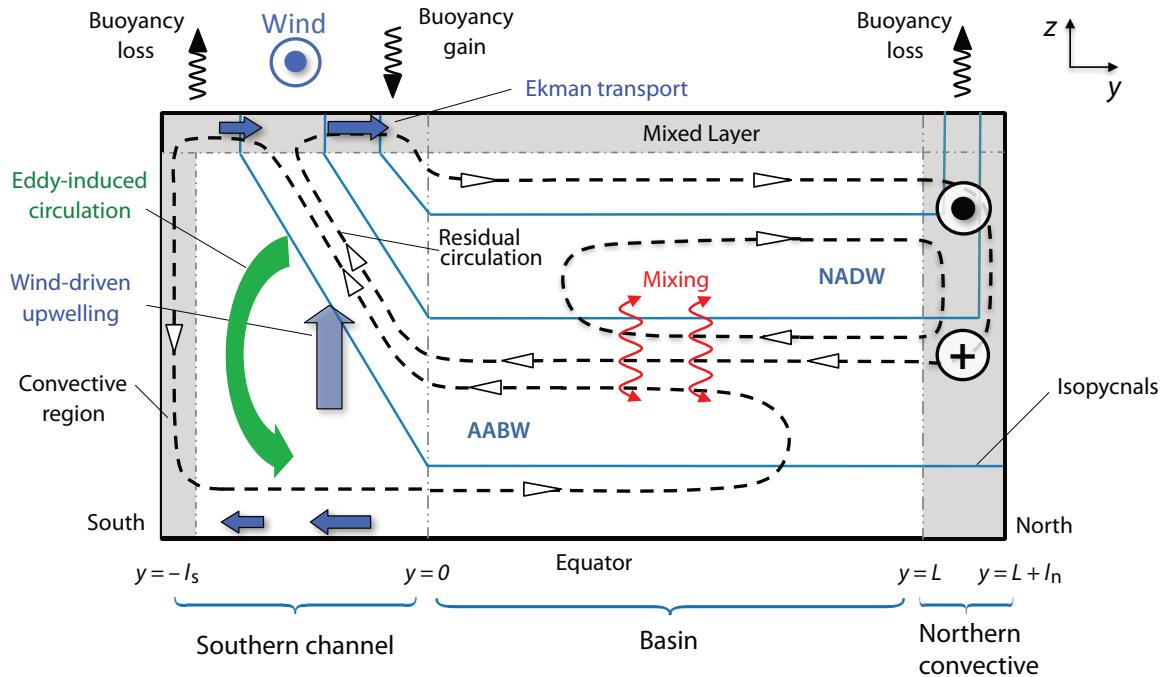


Fig. 21.32

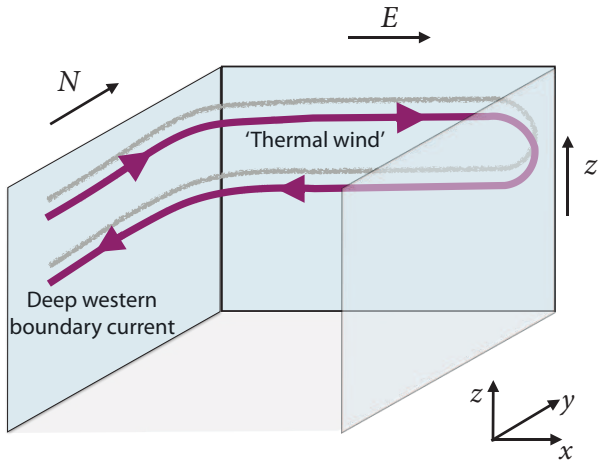


Fig. 21.33

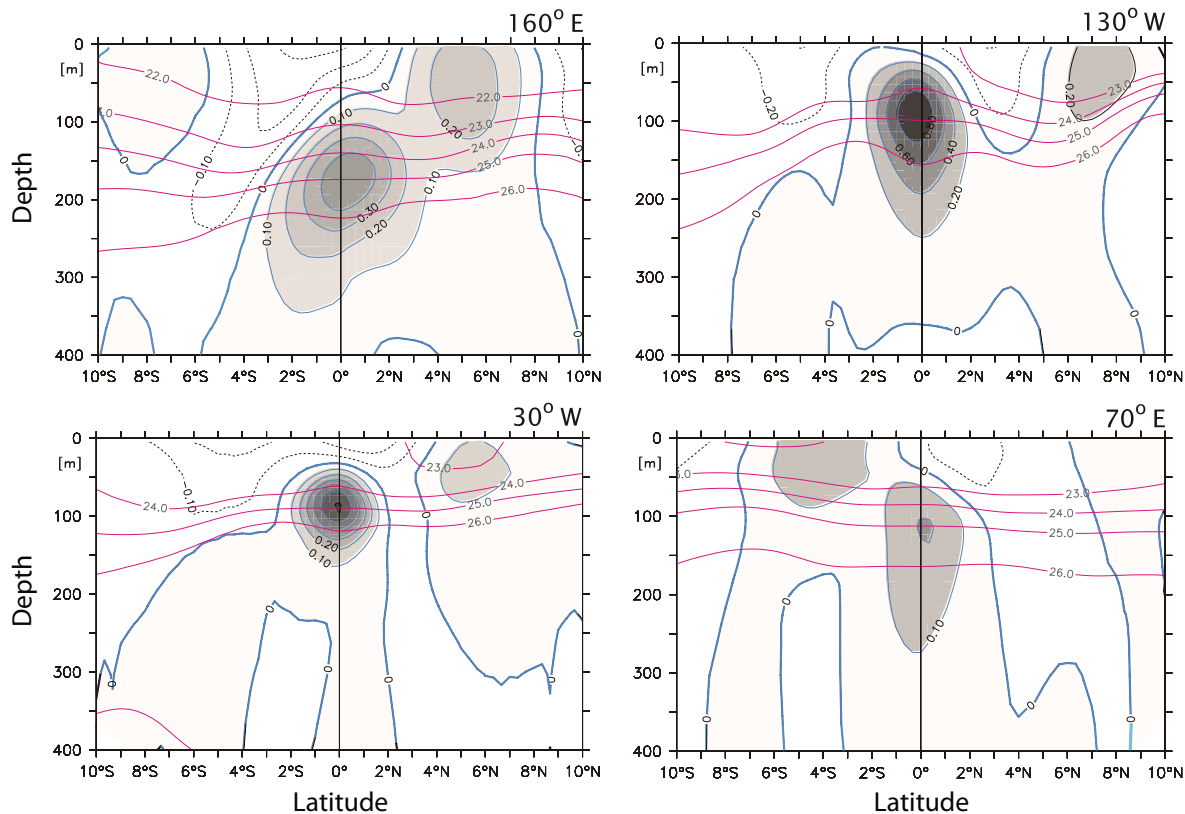


Fig. 22.1

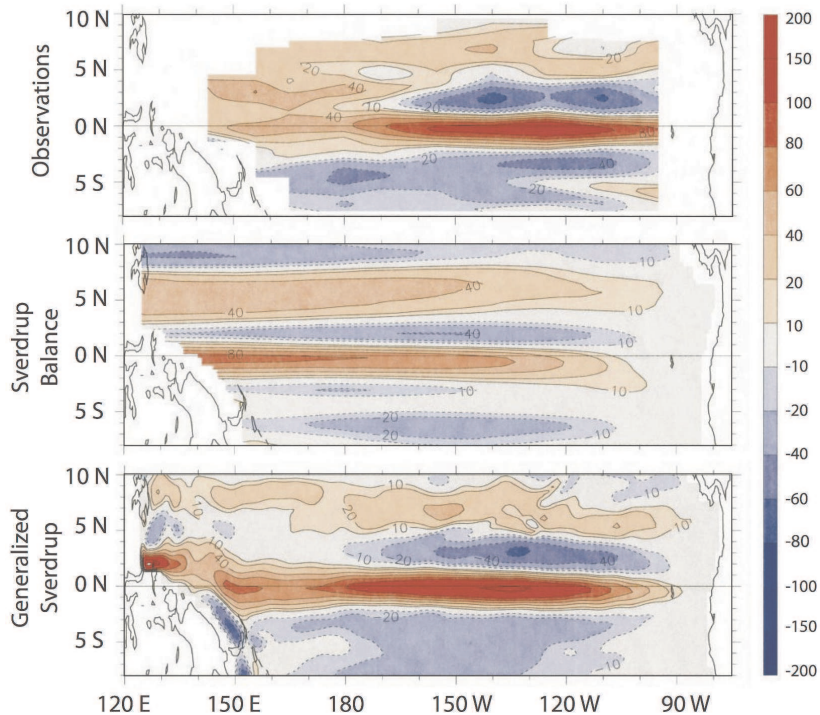


Fig. 22.2

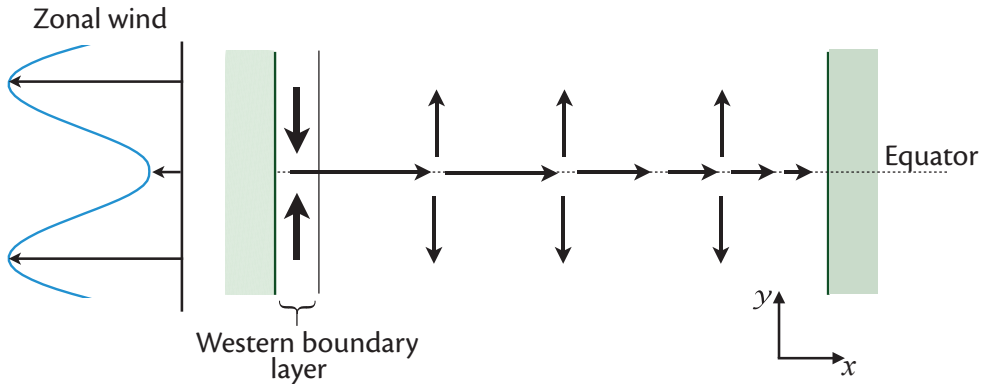


Fig. 22.3

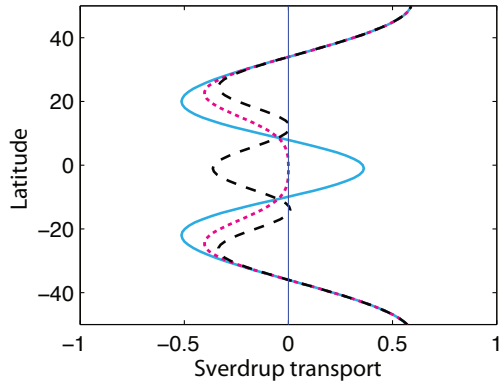
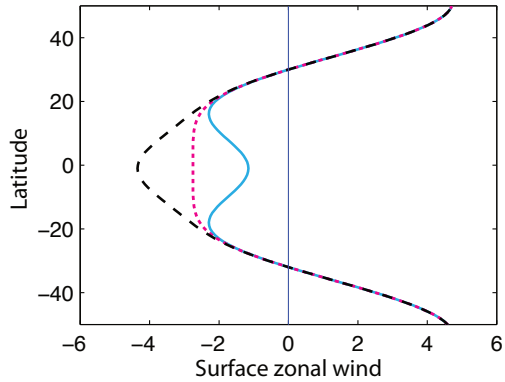


Fig. 22.4



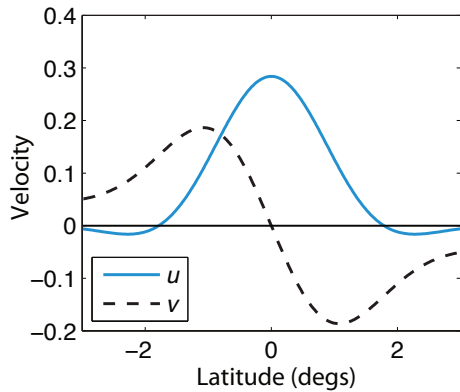
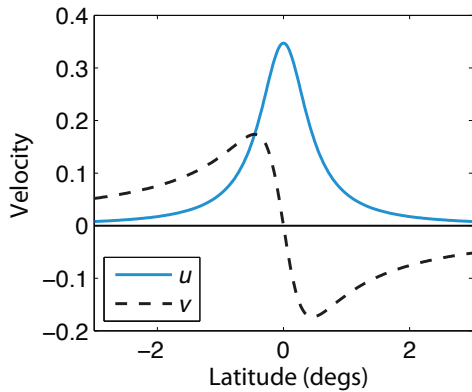


Fig. 22.5

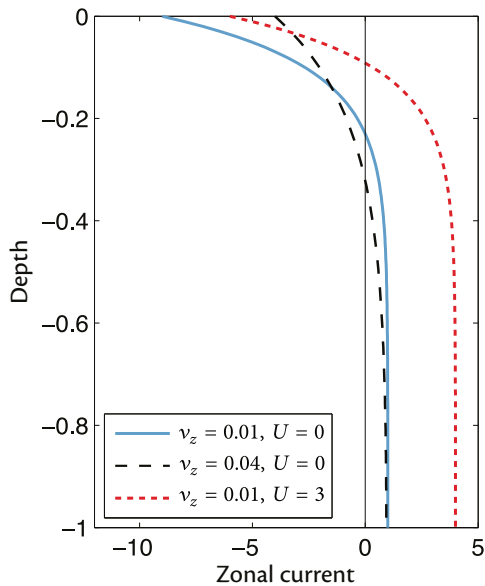


Fig. 22.6

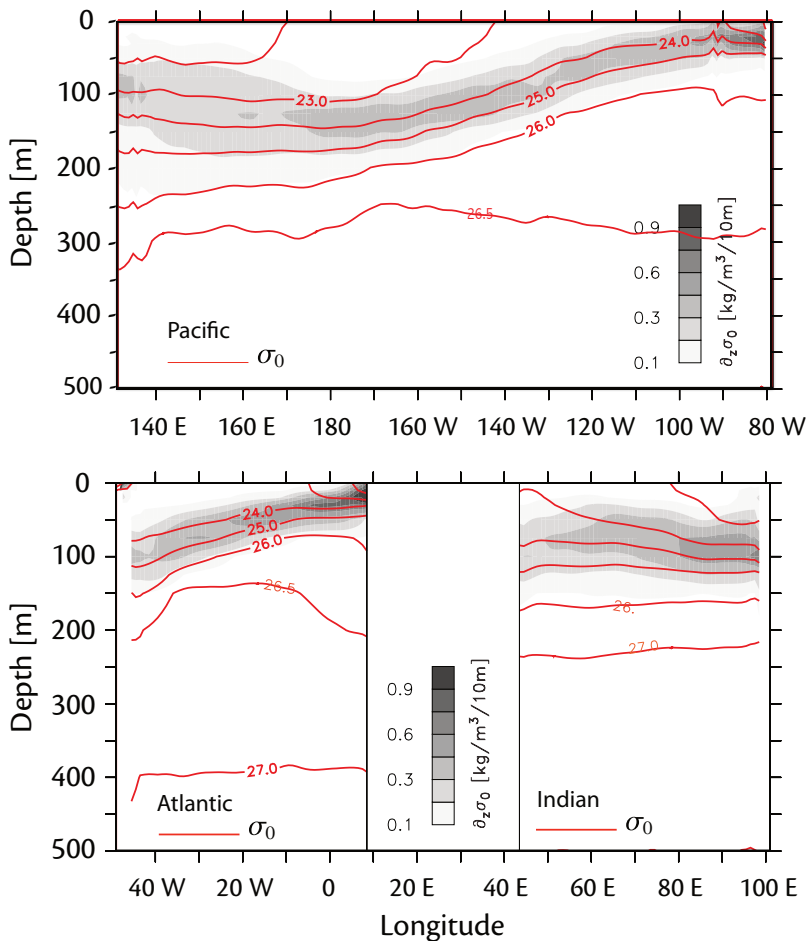


Fig. 22.7

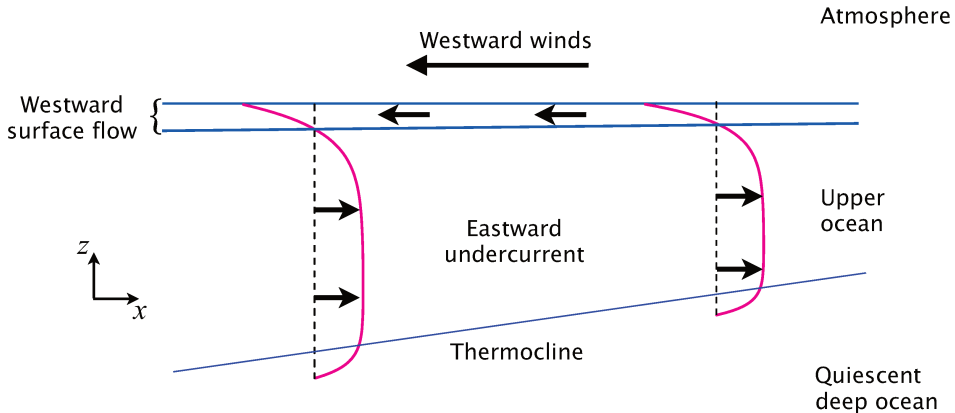


Fig. 22.8

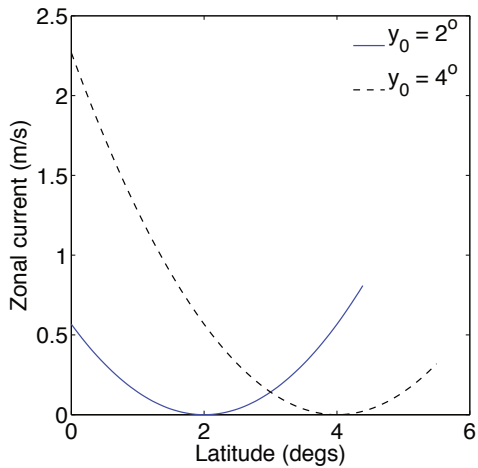


Fig. 22.9



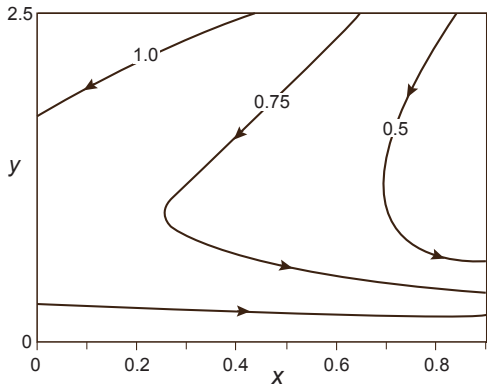


Fig. 22.11

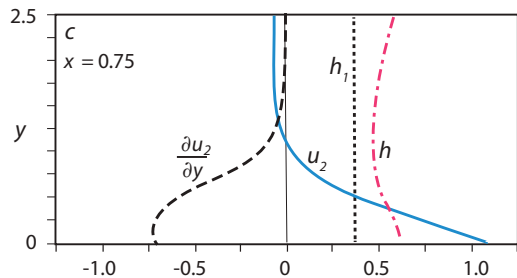
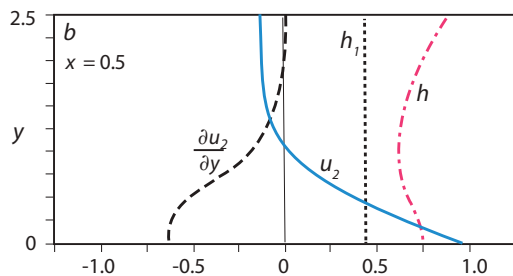
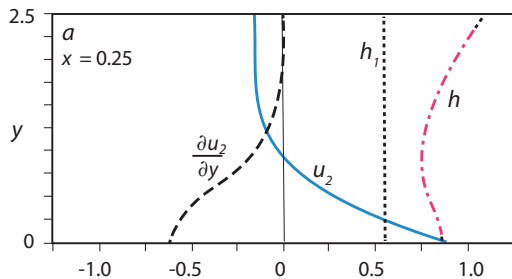


Fig. 22.12



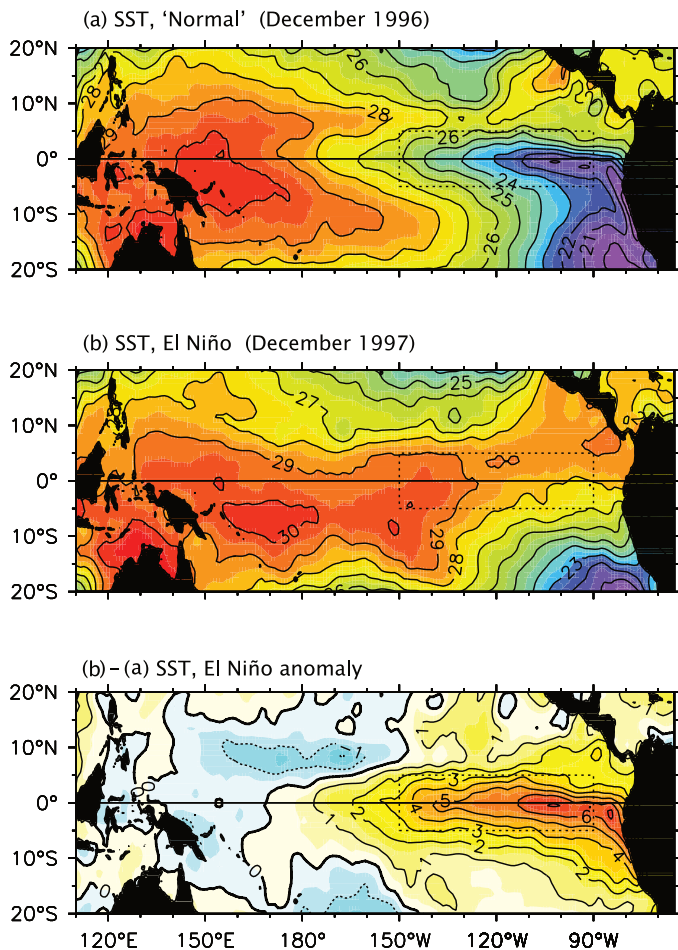


Fig. 22.13

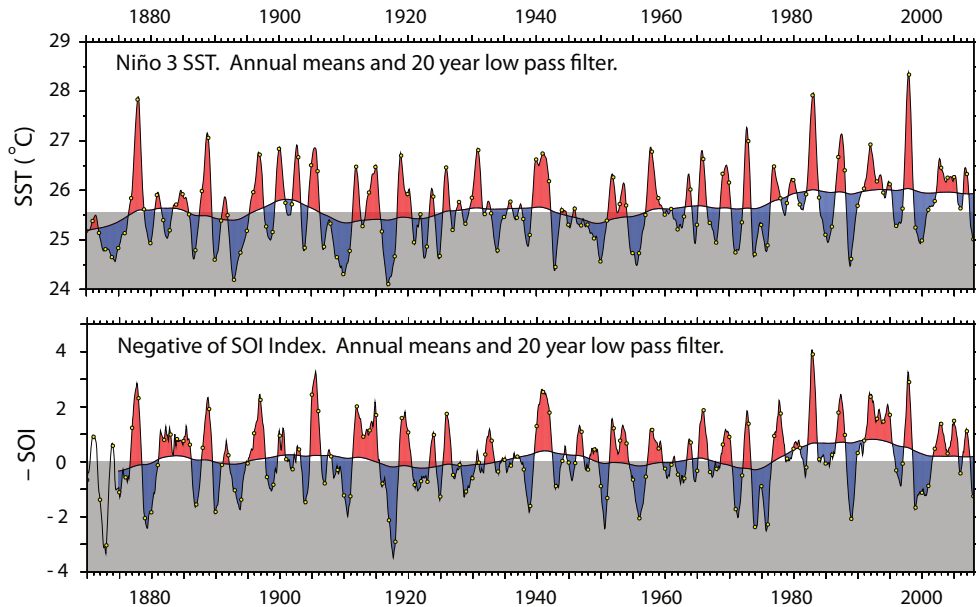


Fig. 22.14



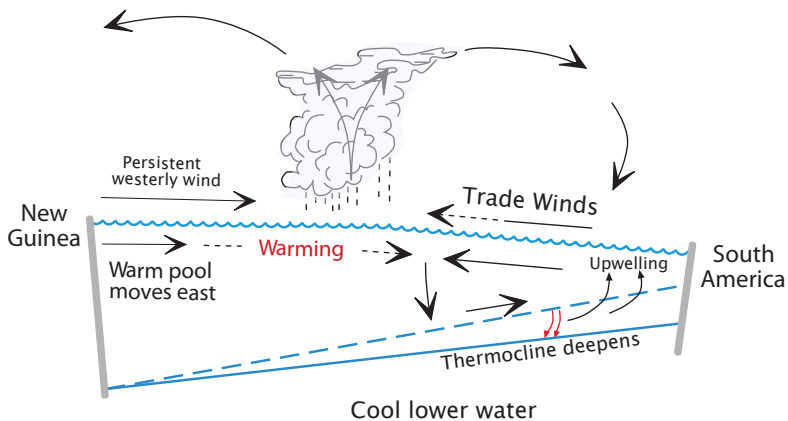
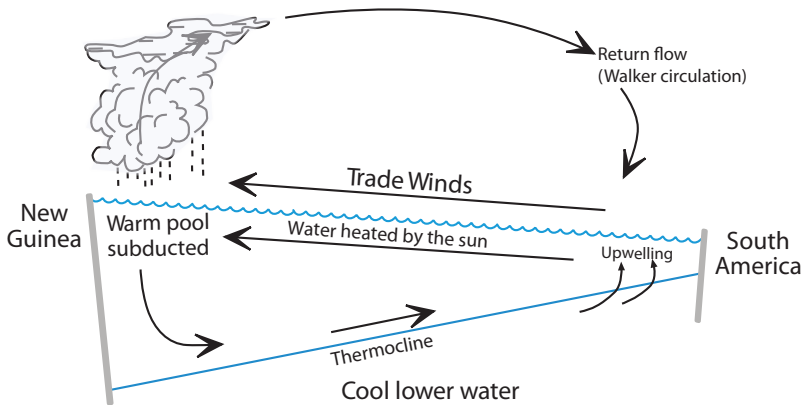


Fig. 22.16

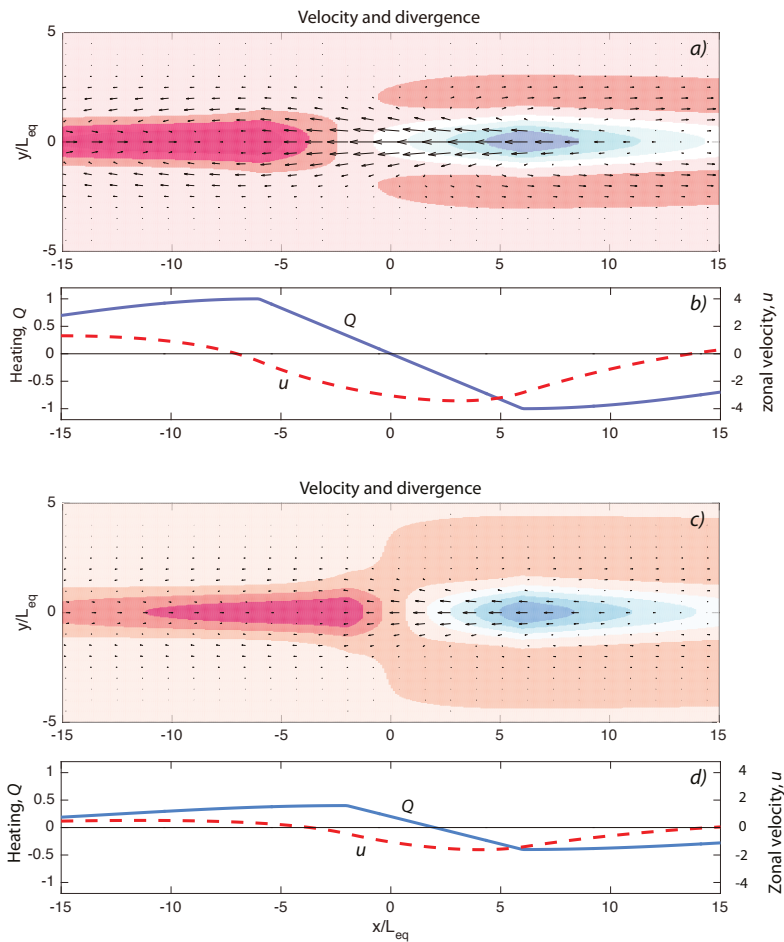


Fig. 22.17

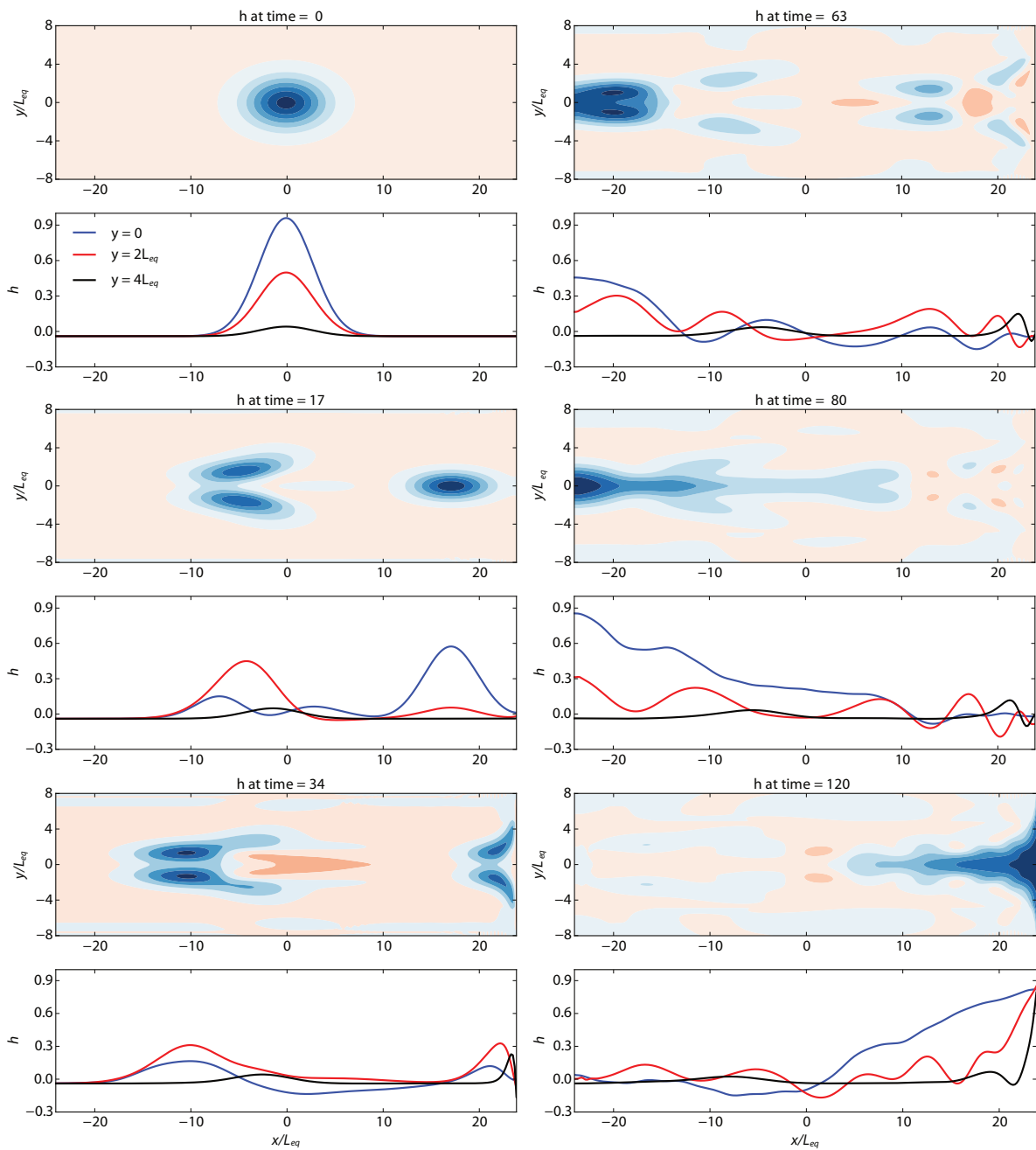


Fig. 22.18

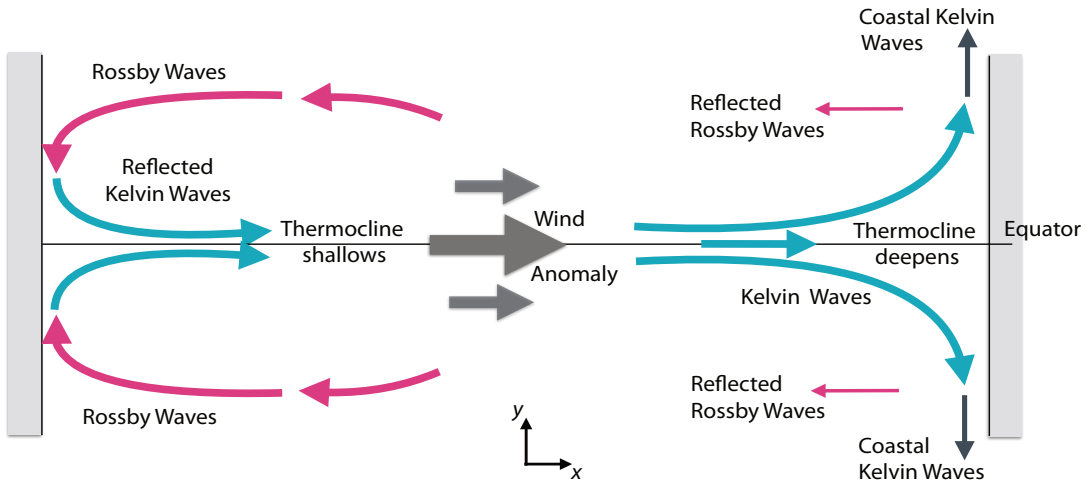


Fig. 22.19

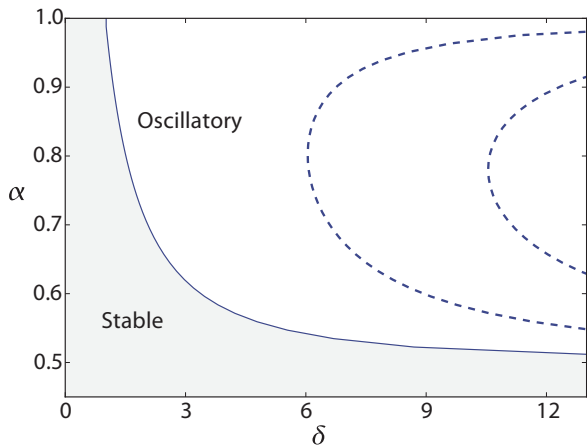


Fig. 22.20



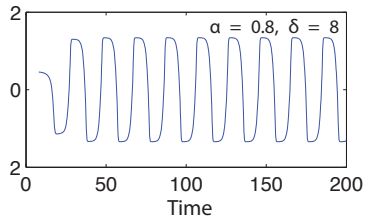
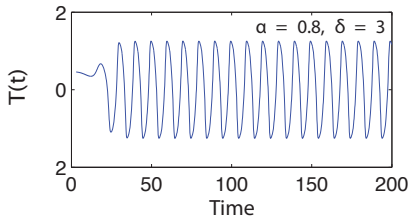
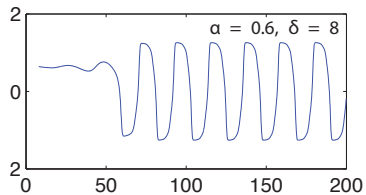
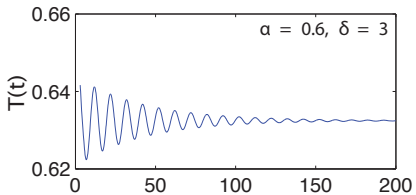


Fig. 22.21

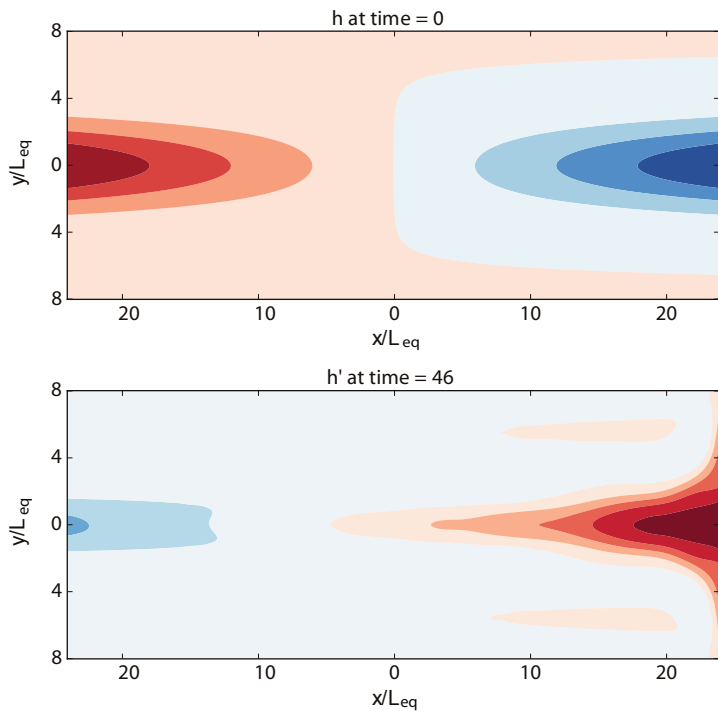


Fig. 22.22

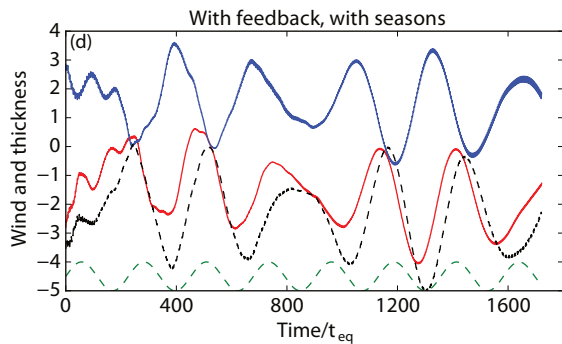
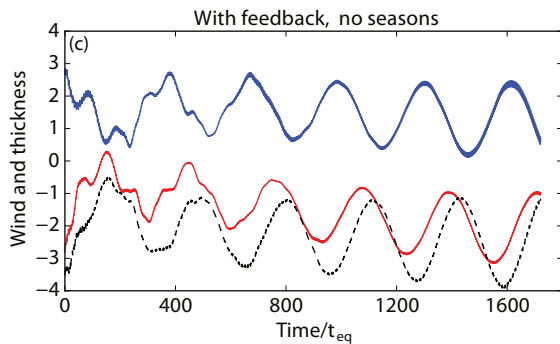
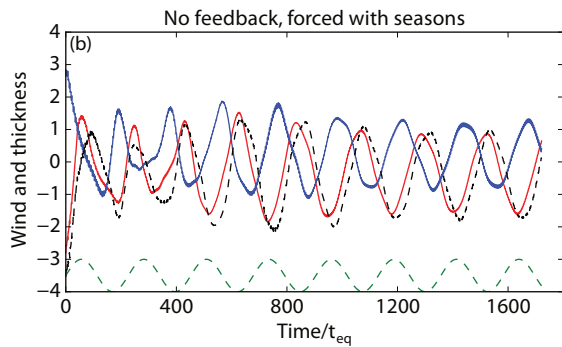
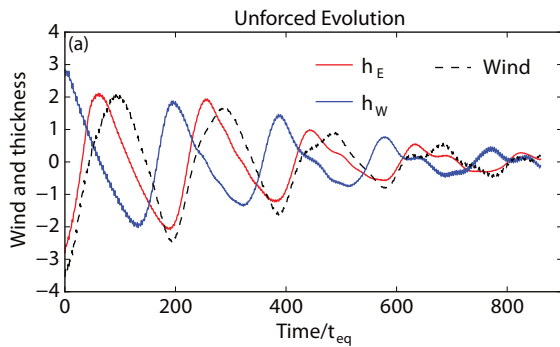


Fig. 22.23