

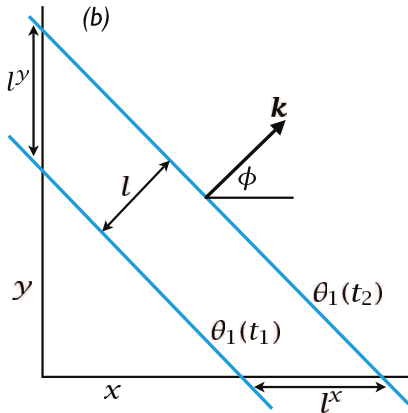
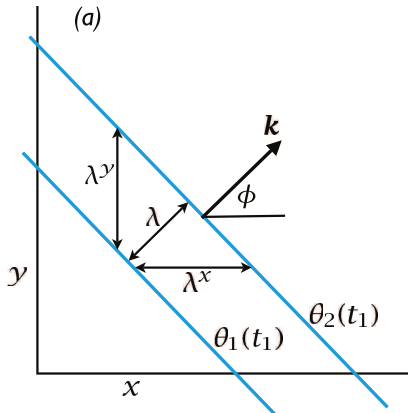


Fig. 6.1

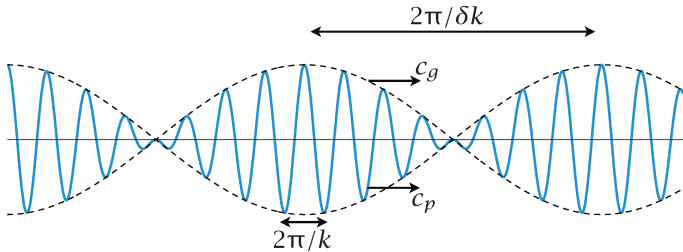


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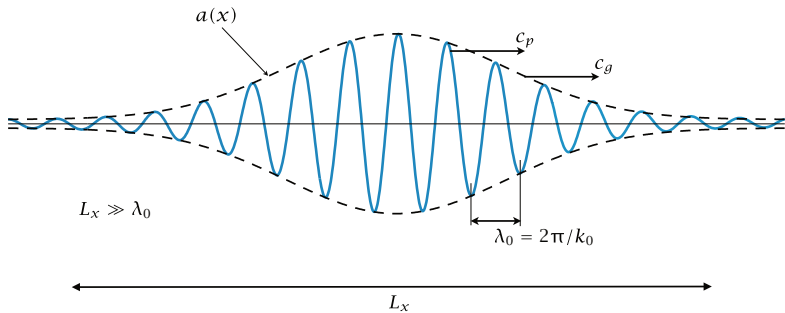


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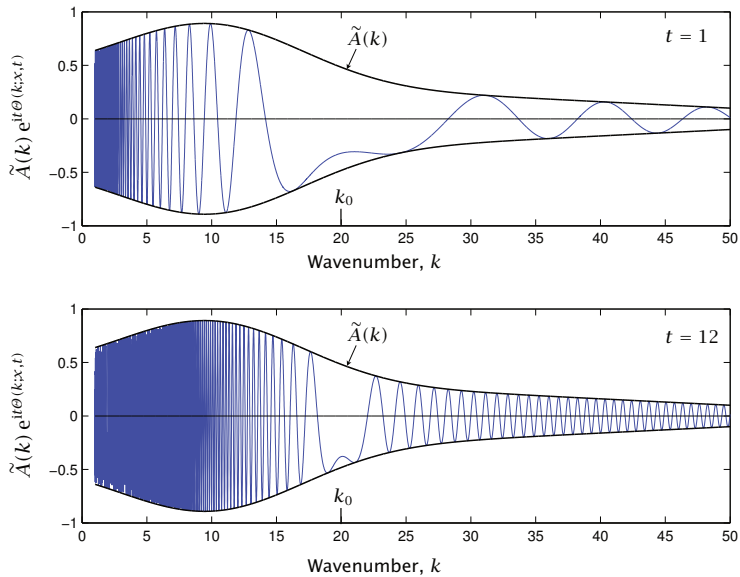


Fig. 6.4

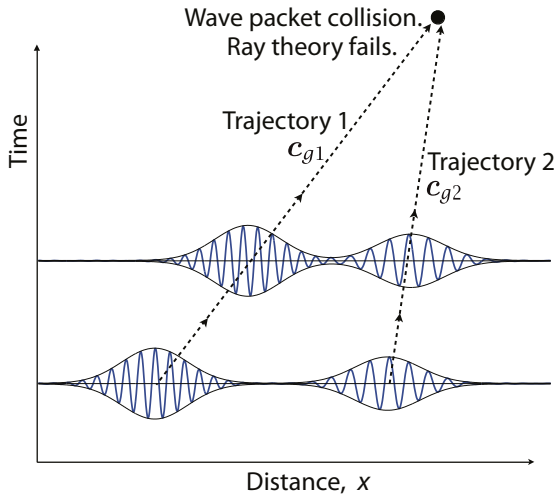


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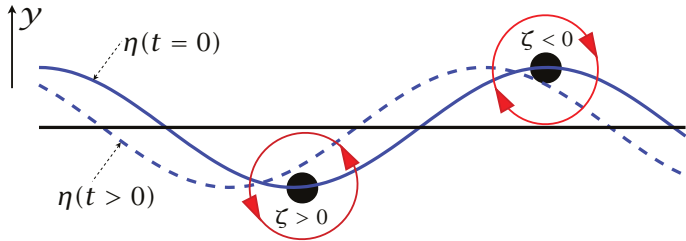


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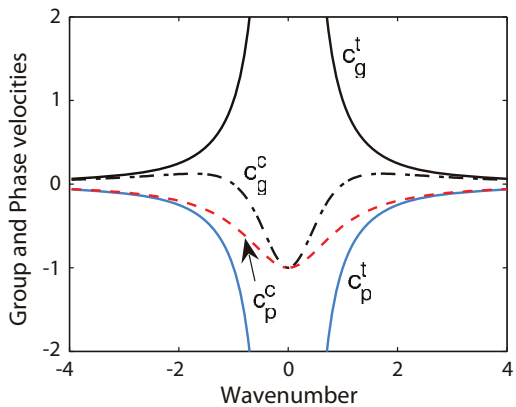
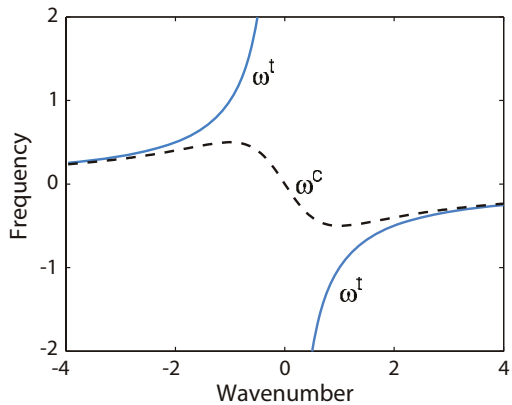


Fig. 6.7

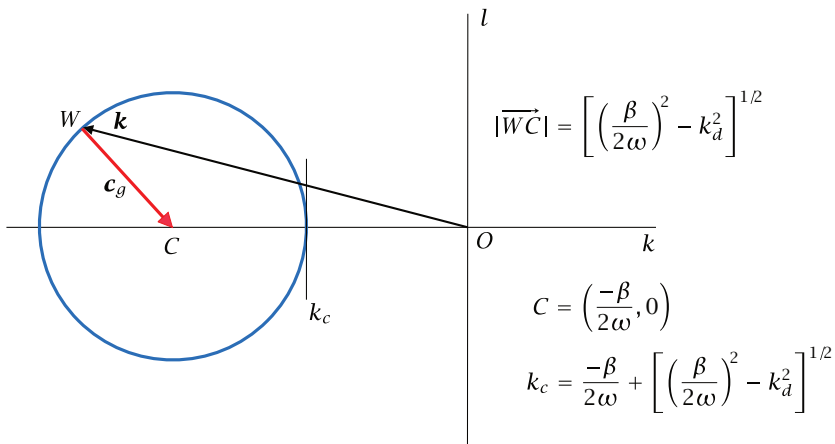


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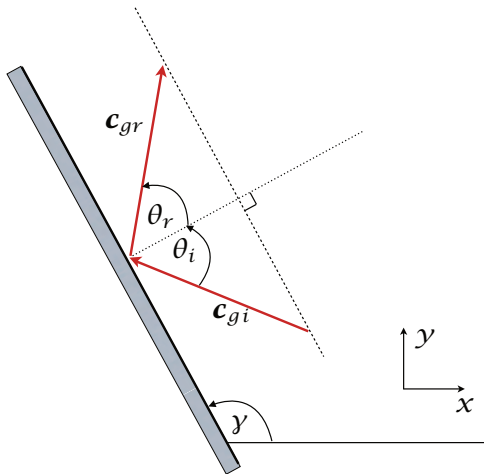


Fig. 6.9

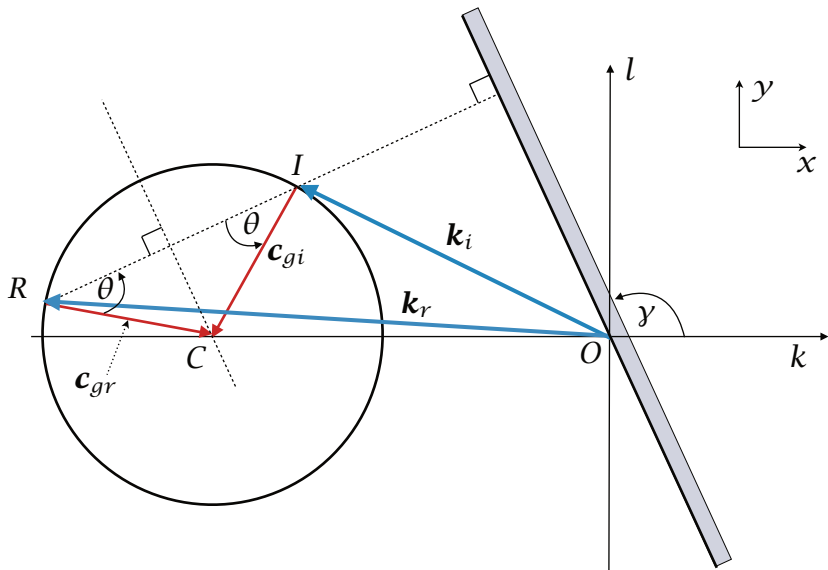


Fig. 6.10

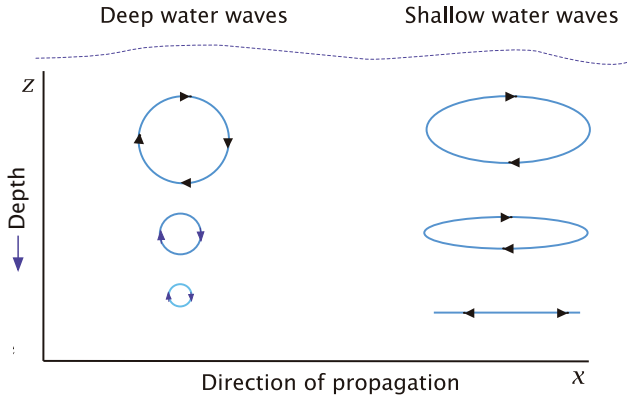


Fig. 7.1

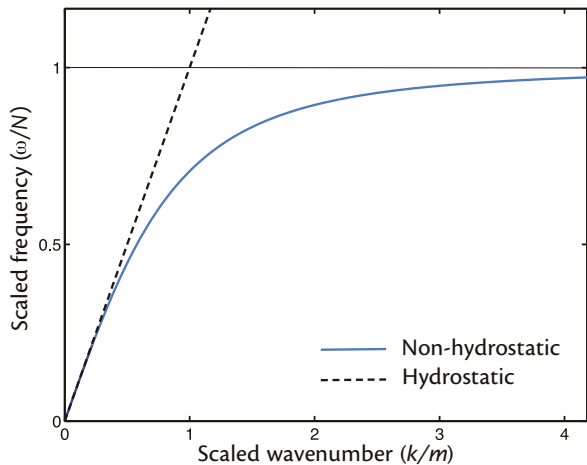


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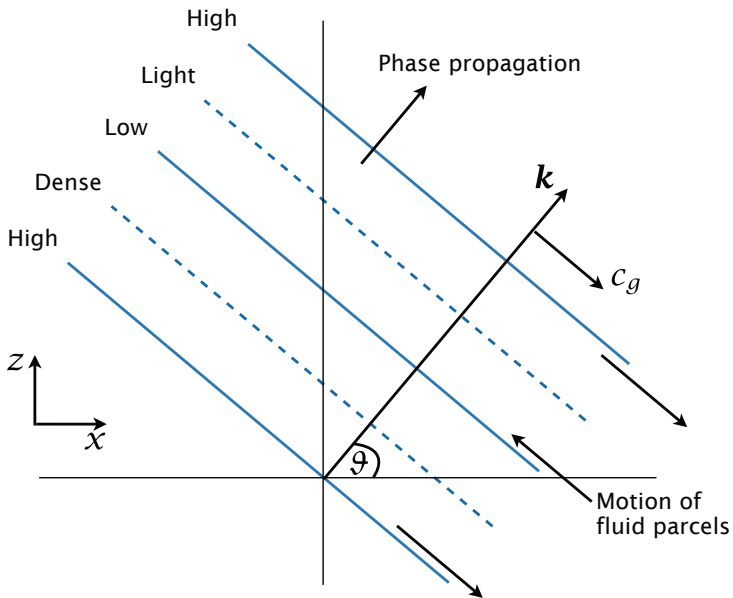


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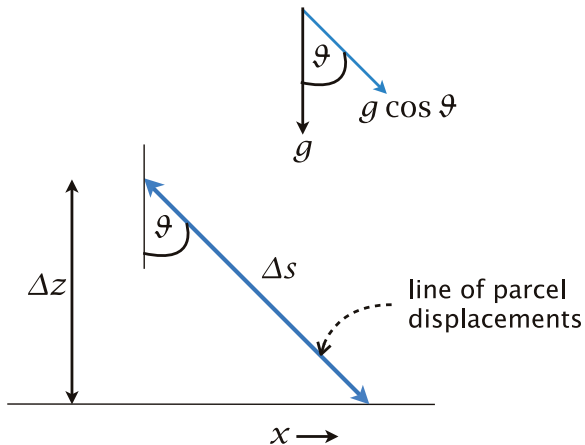


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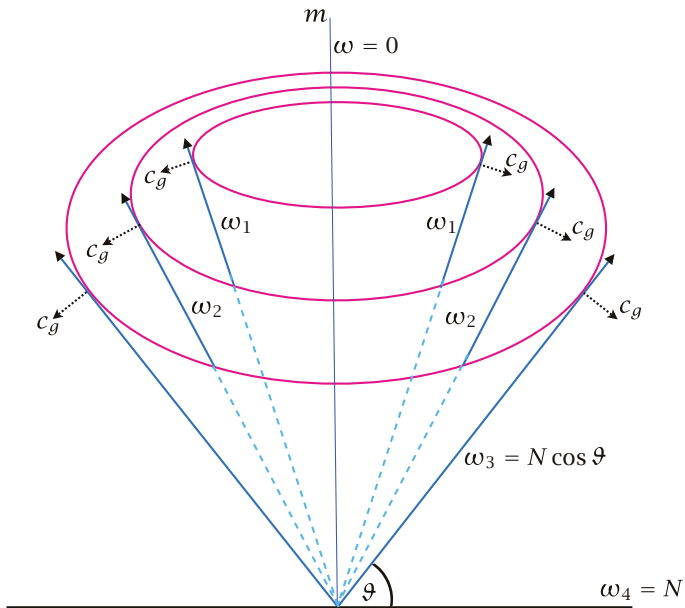


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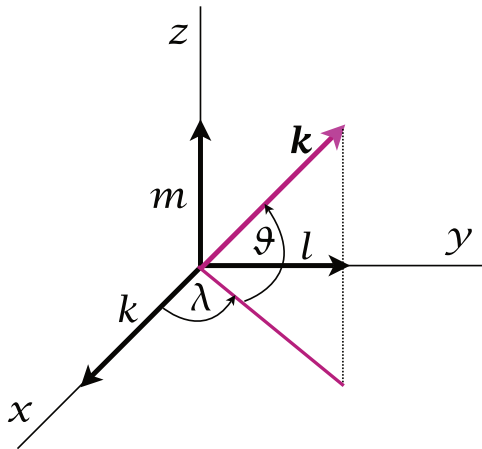


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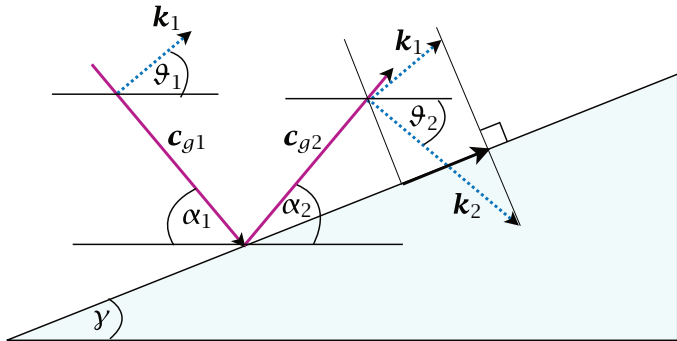


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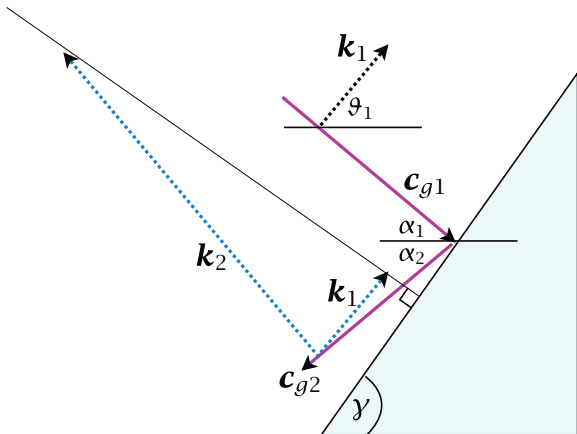


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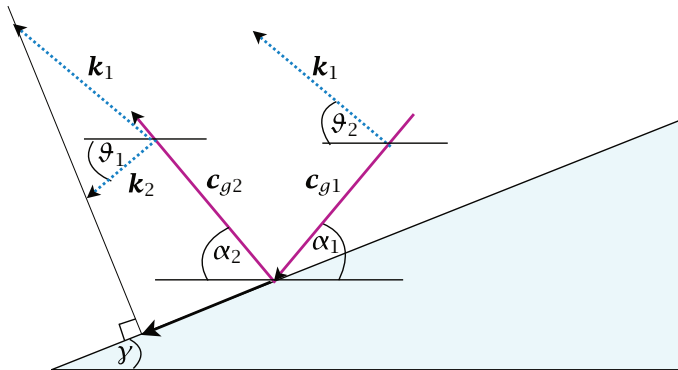


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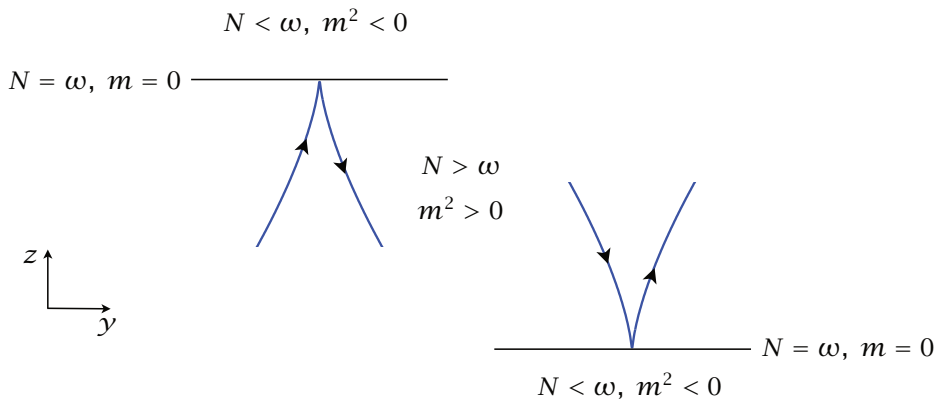


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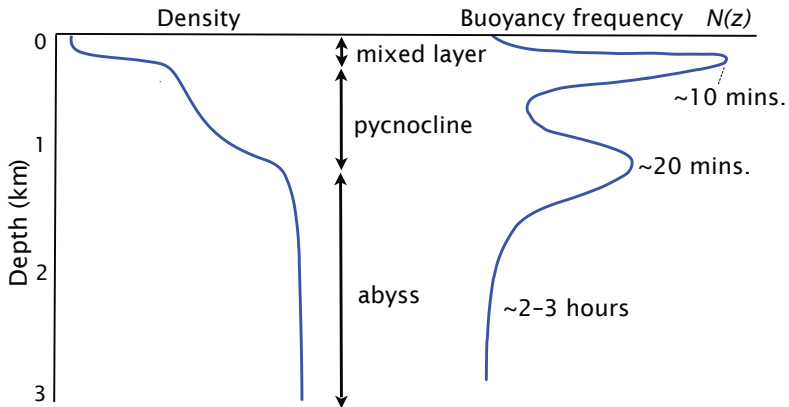


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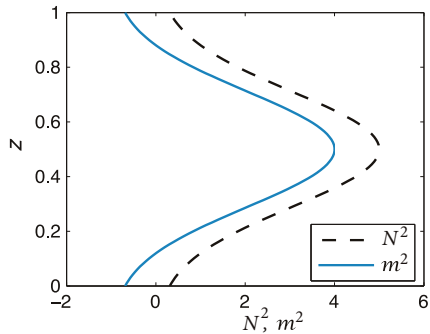
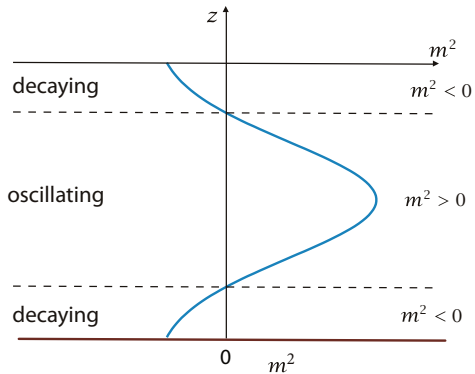


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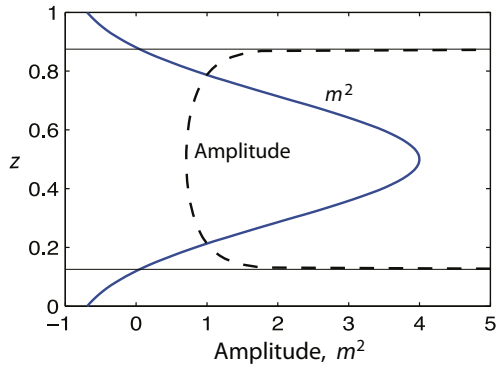
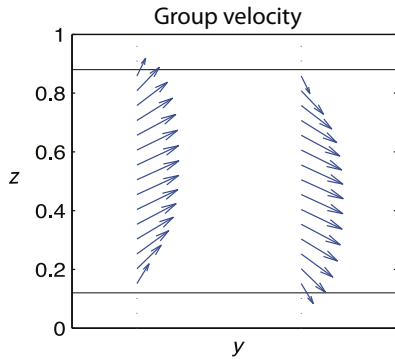


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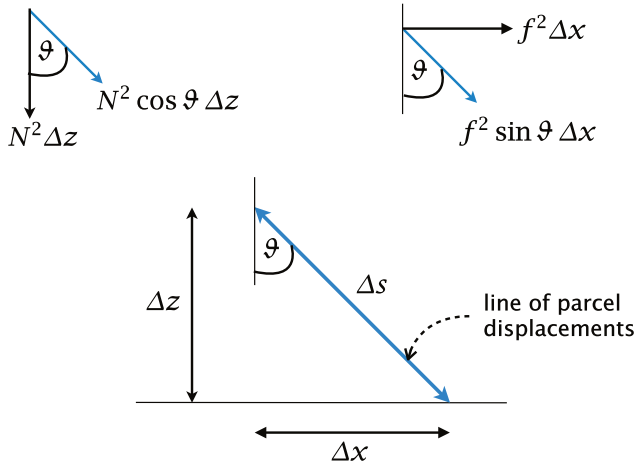


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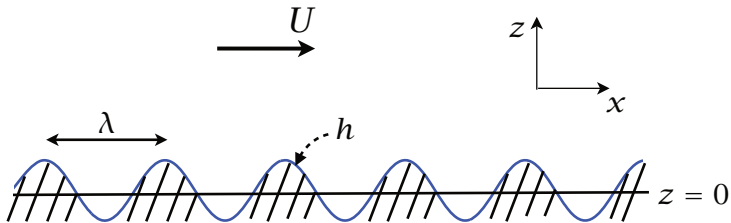


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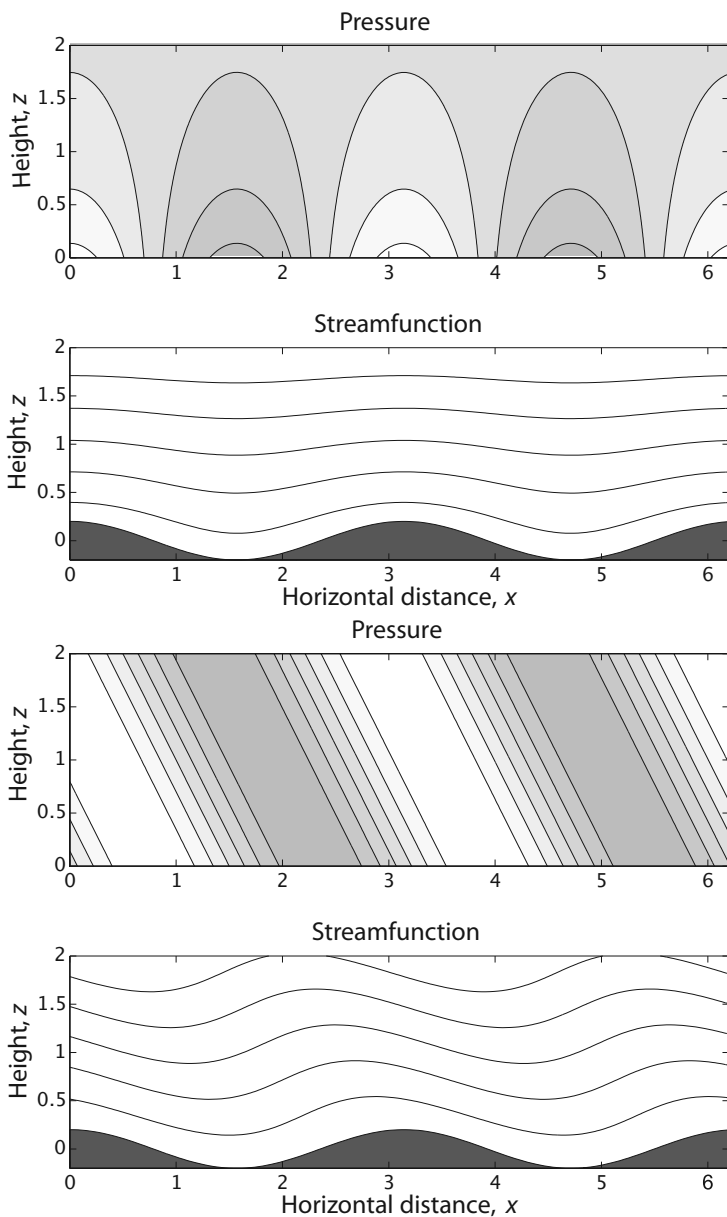


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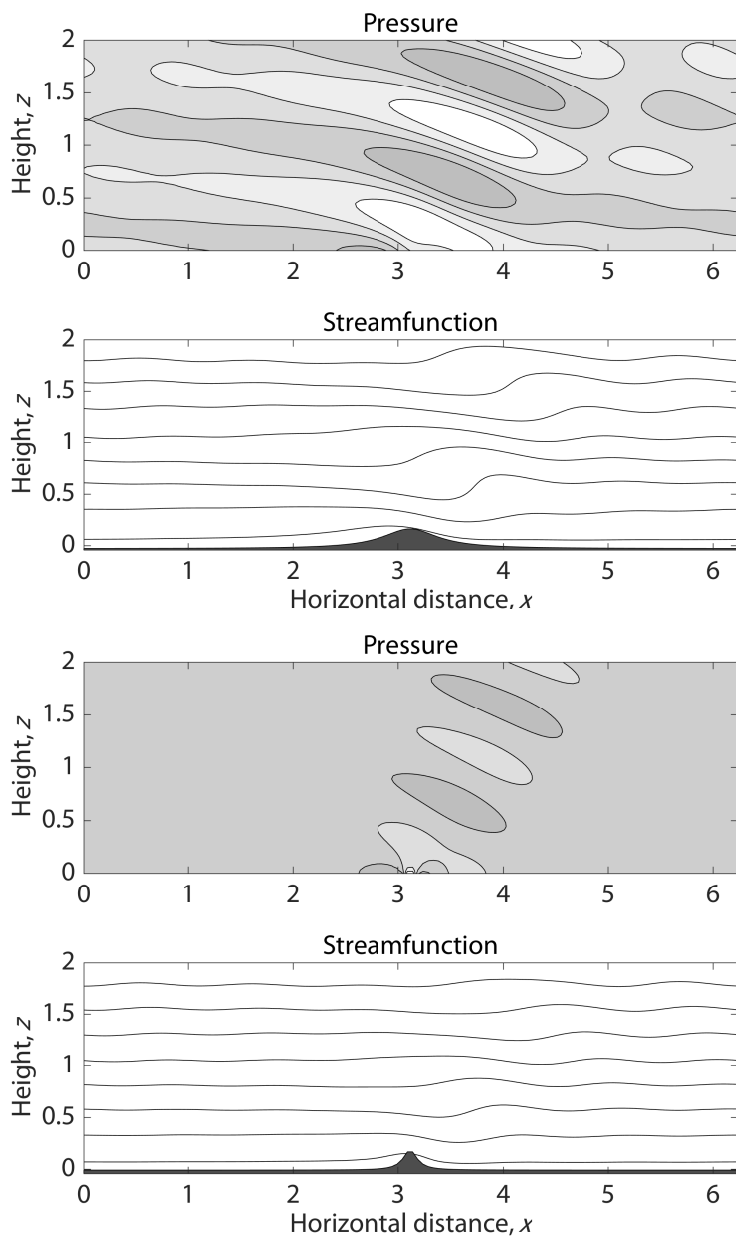


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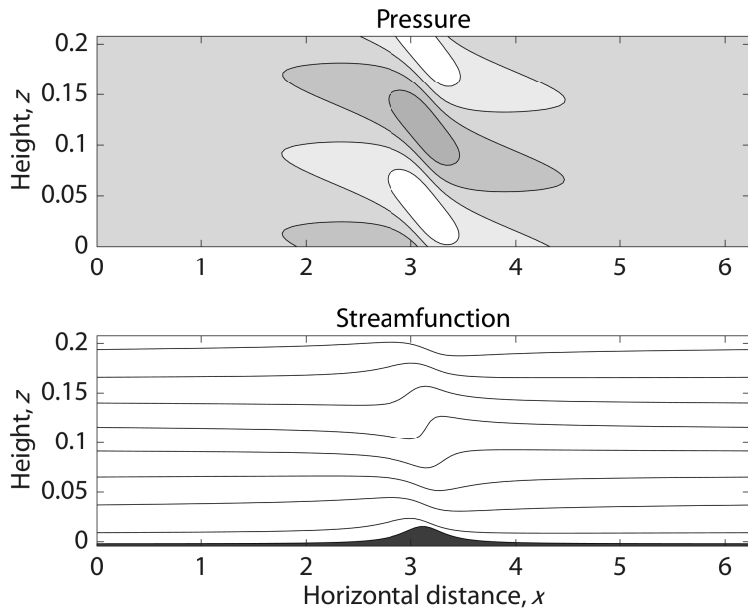


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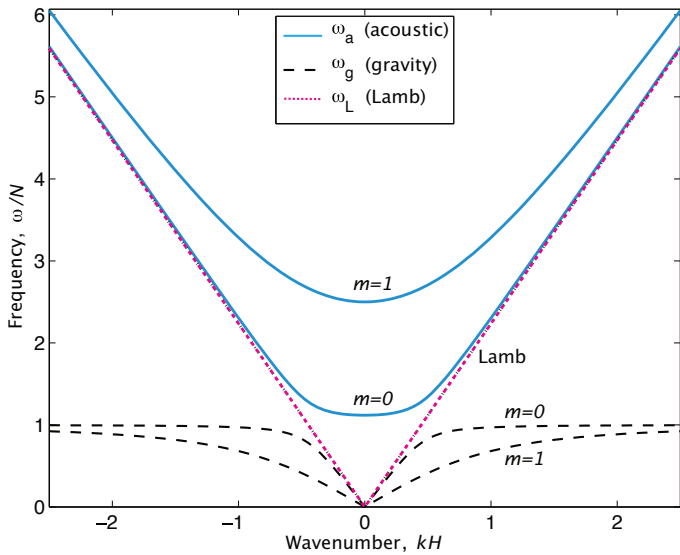
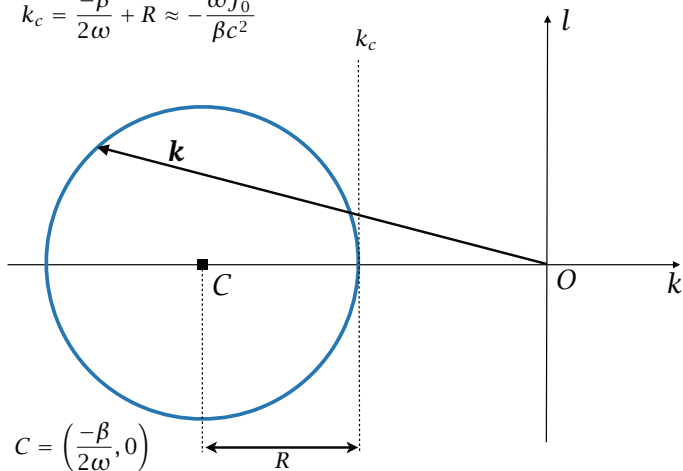


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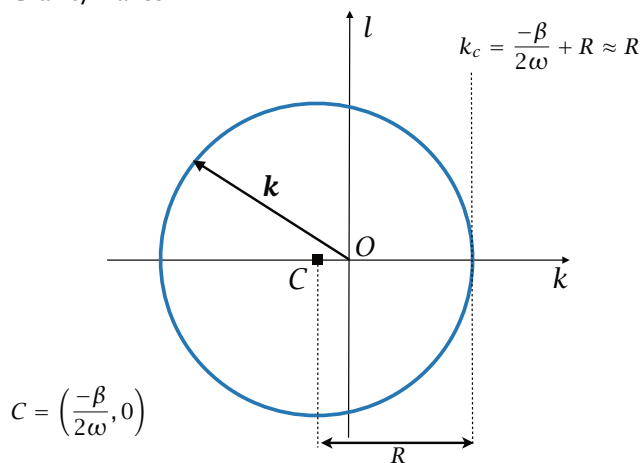
Rossby waves

$$k_c = \frac{-\beta}{2\omega} + R \approx -\frac{\omega f_0^2}{\beta c^2}$$



$$R = \left[\left(\frac{\beta}{2\omega} \right)^2 + \frac{\omega^2 - f_0^2}{c^2} \right]^{1/2} \approx \left[\left(\frac{\beta}{2\omega} \right)^2 - \frac{f_0^2}{c^2} \right]^{1/2}$$

Gravity waves



$$R = \left[\left(\frac{\beta}{2\omega} \right)^2 + \frac{\omega^2 - f_0^2}{c^2} \right]^{1/2} \approx \left[\frac{\omega^2 - f_0^2}{c^2} \right]^{1/2}$$

Fig. 8.1

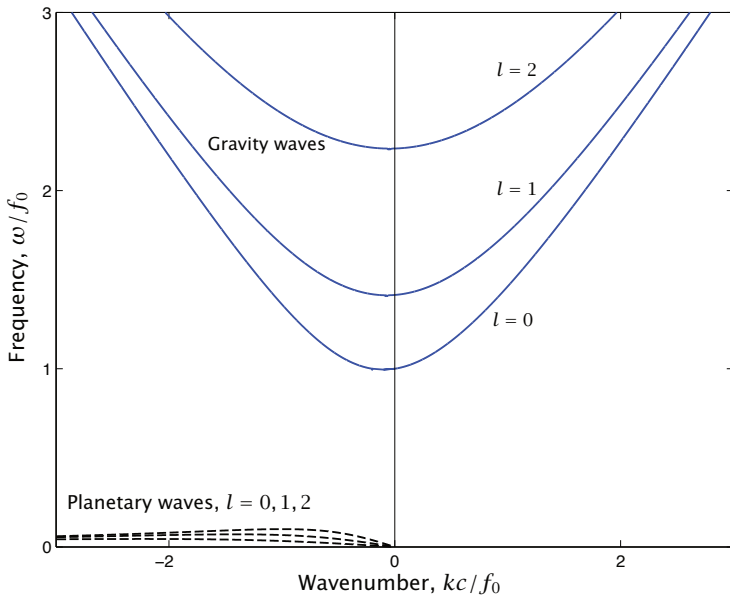


Fig. 8.2

Locus of wavenumbers of
given frequency ω

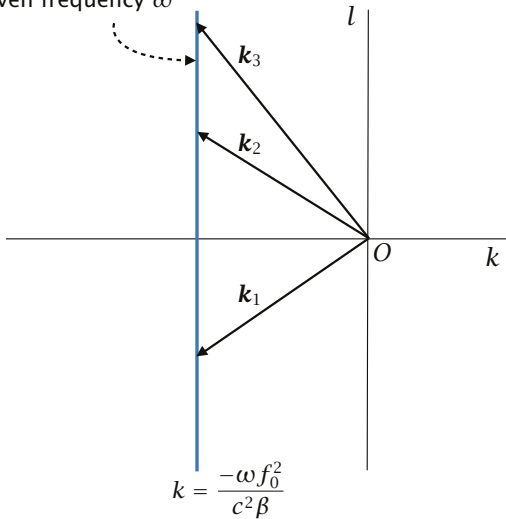


Fig. 8.3

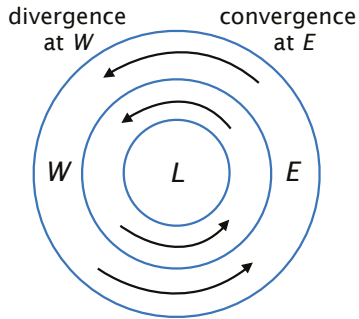
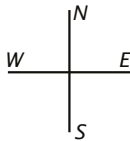
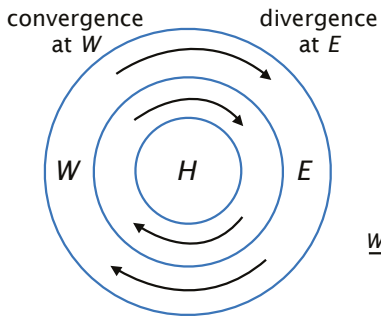


Fig. 8.4

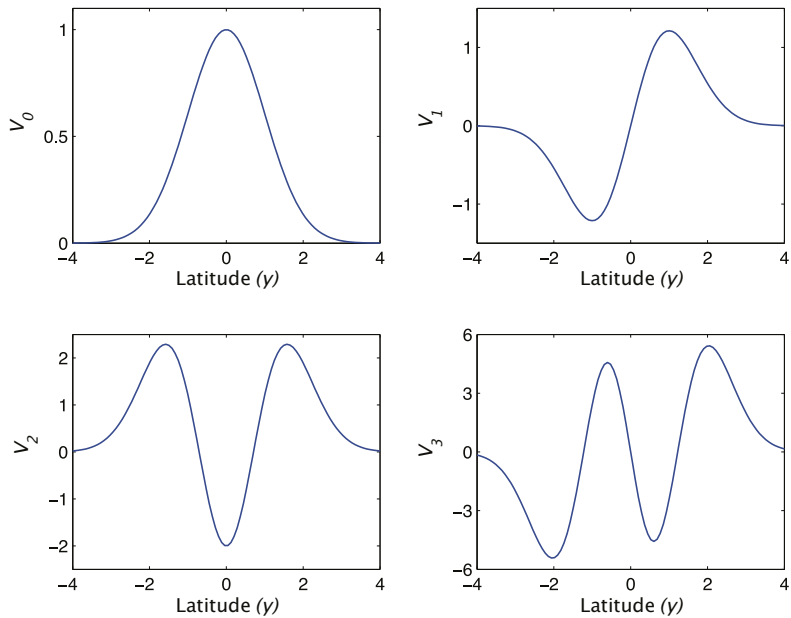


Fig. 8.5

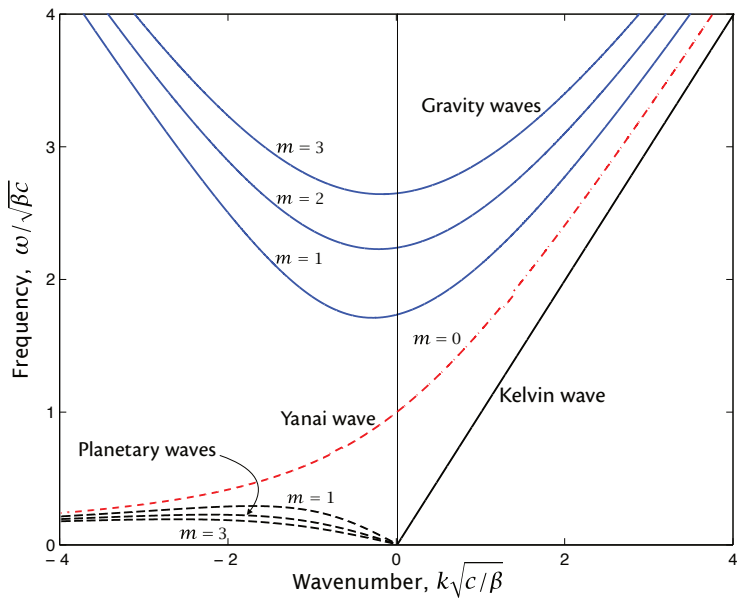


Fig. 8.6

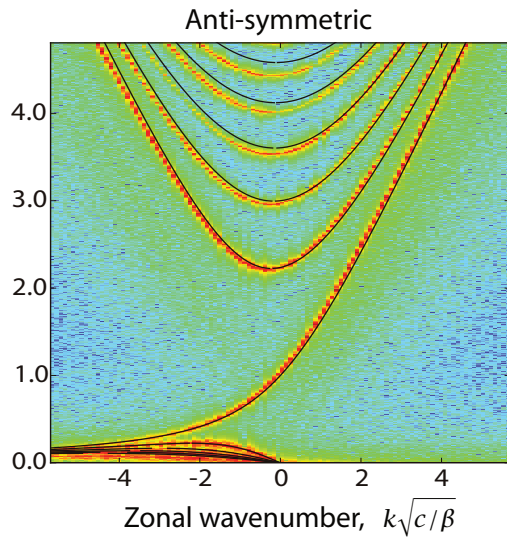
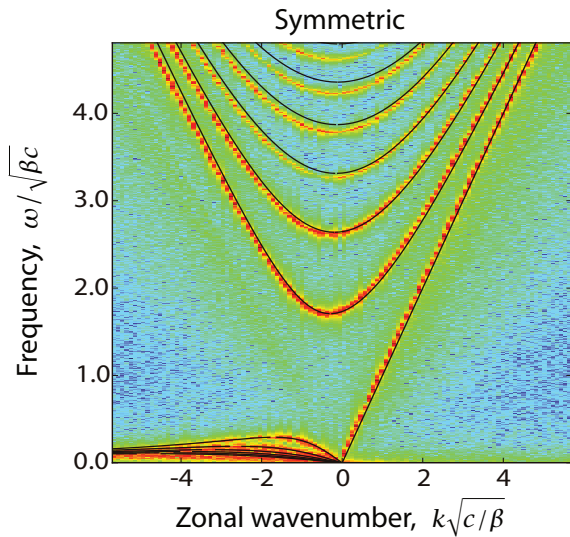


Fig. 8.7

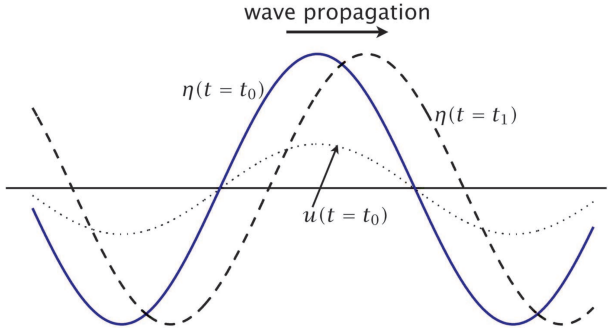


Fig. 8.8

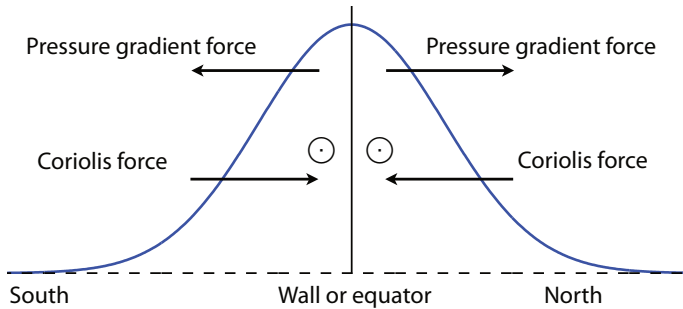


Fig. 8.9

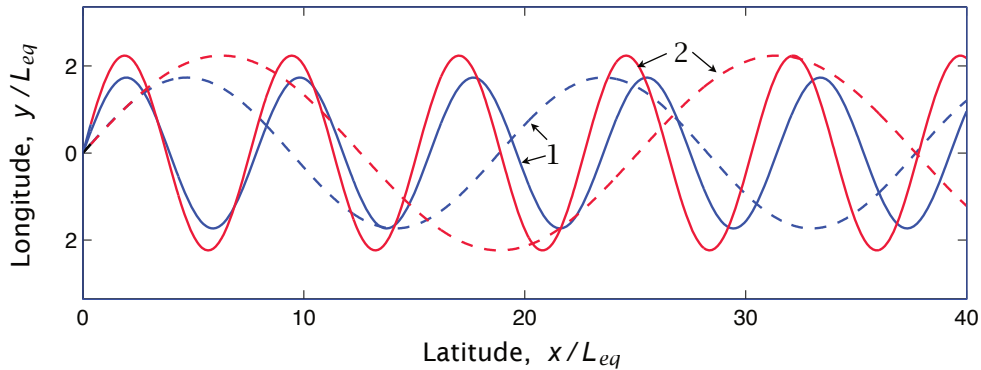


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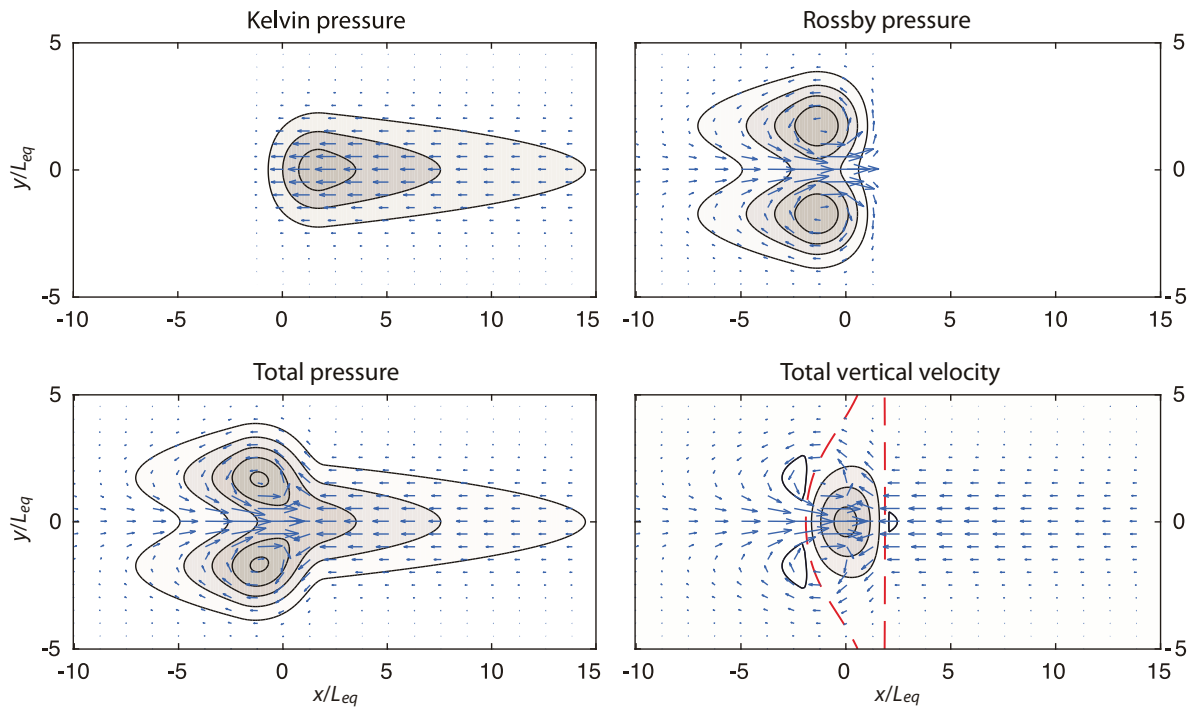


Fig. 8.11

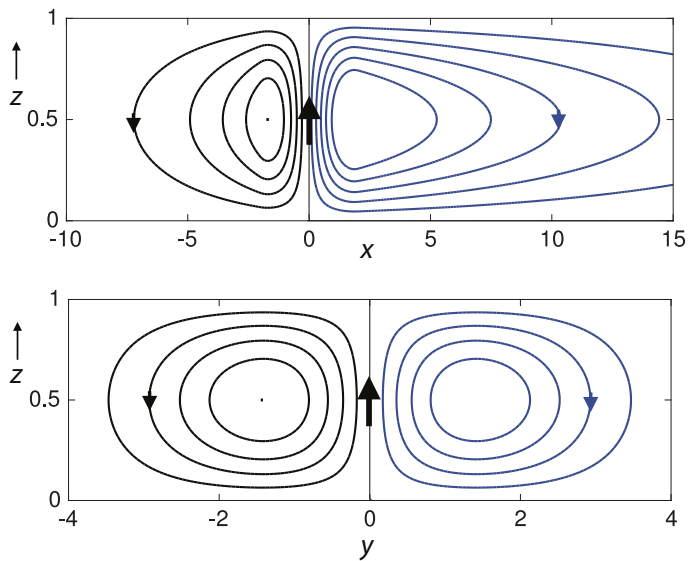


Fig. 8.12

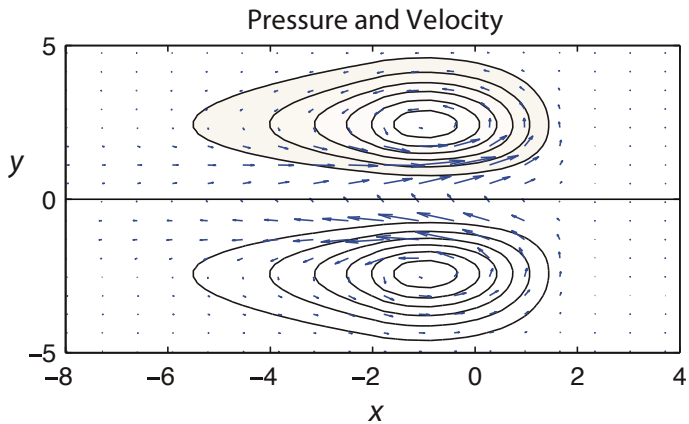


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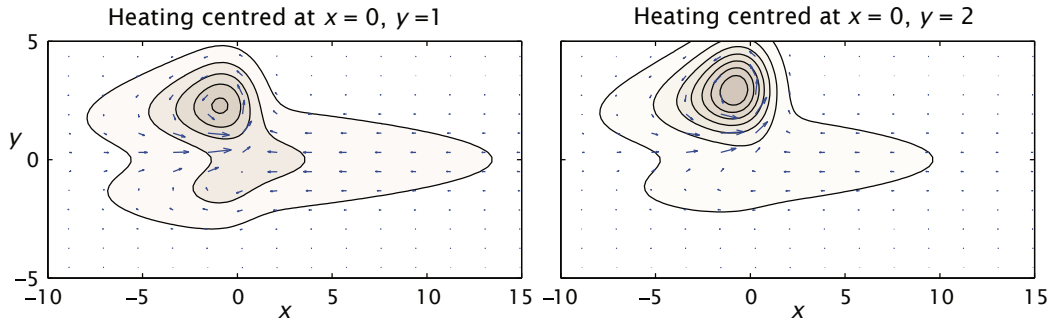


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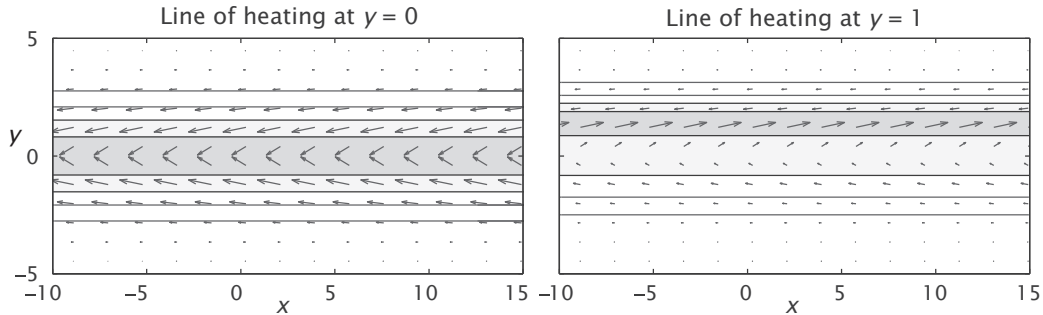


Fig. 8.15

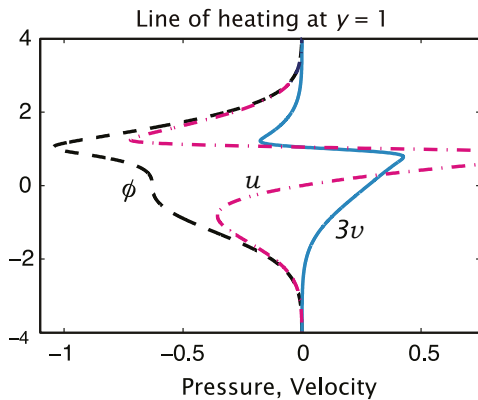
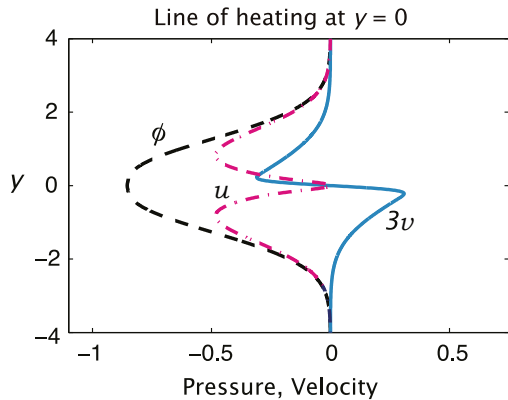


Fig. 8.16

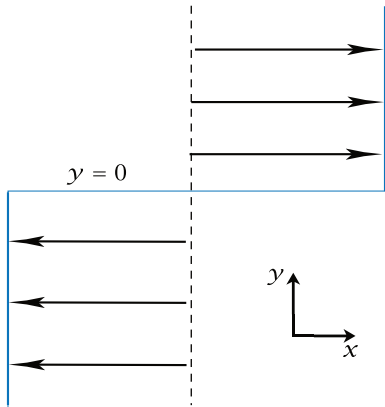


Fig. 9.1

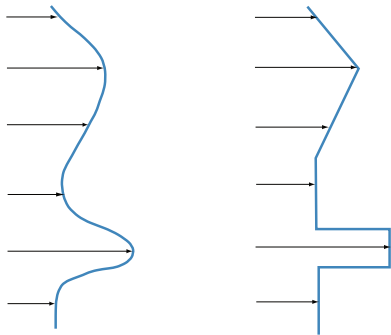


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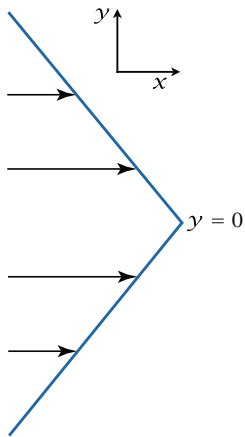


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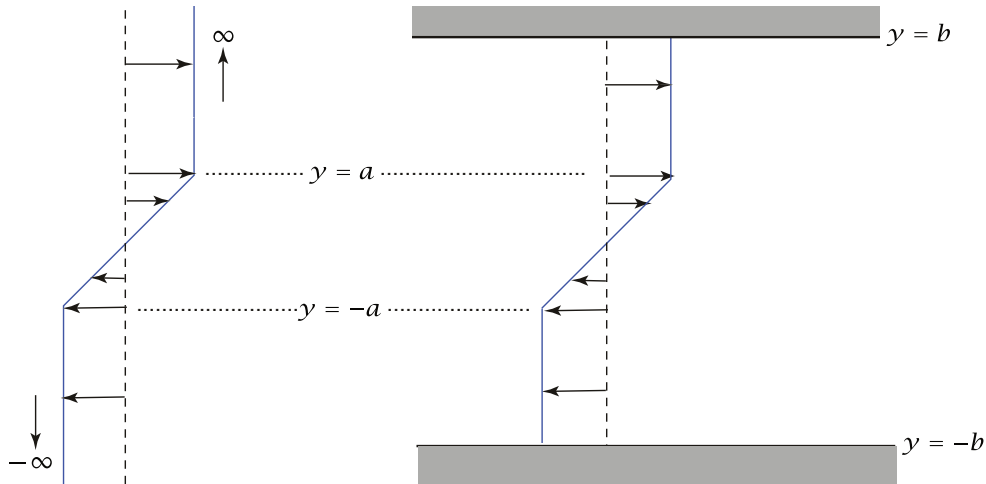


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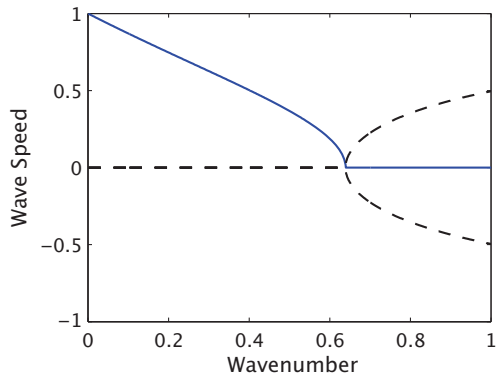
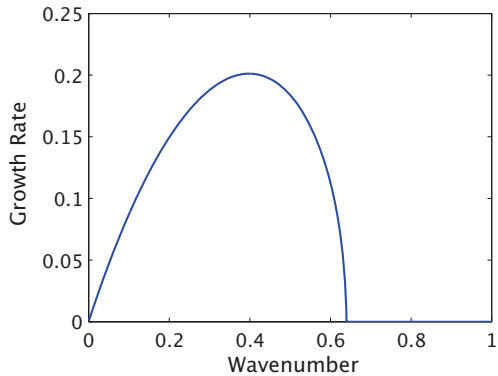


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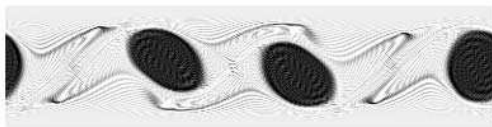
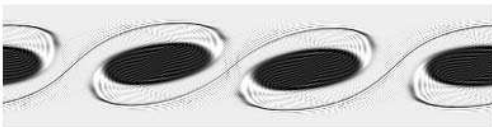


Fig. 9.6

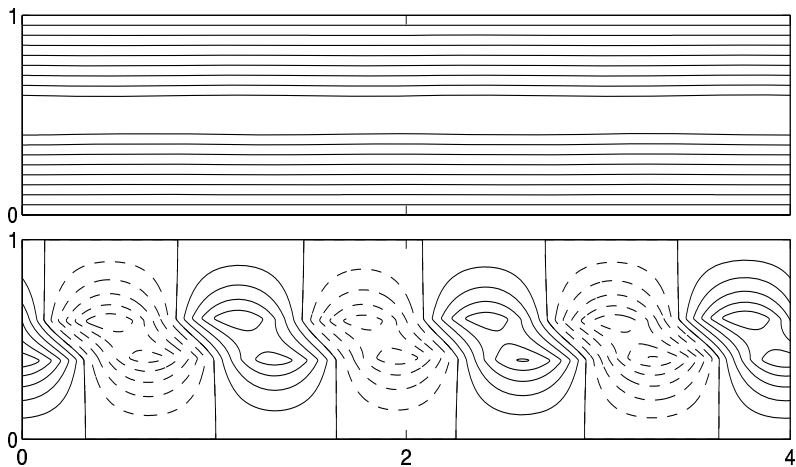


Fig. 9.7

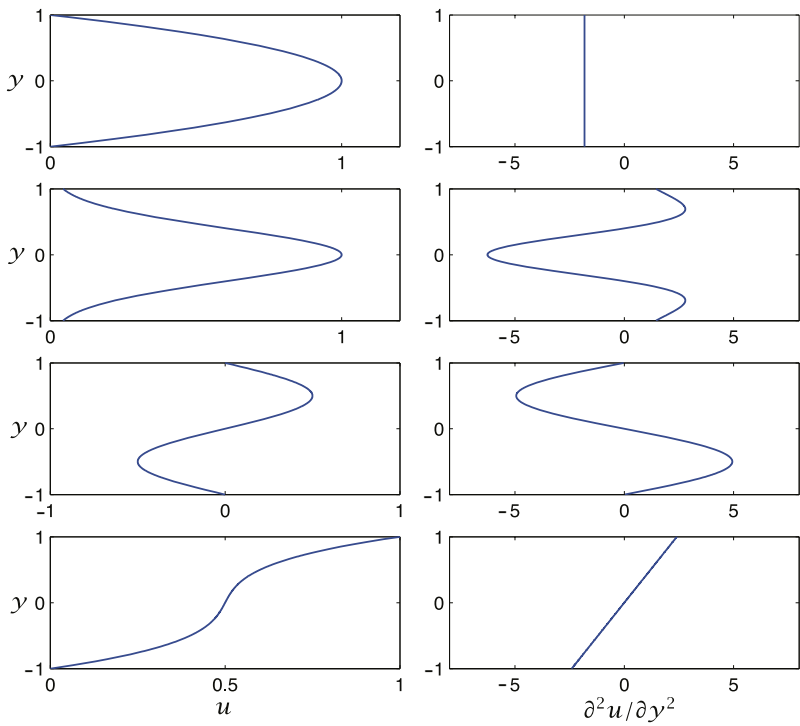


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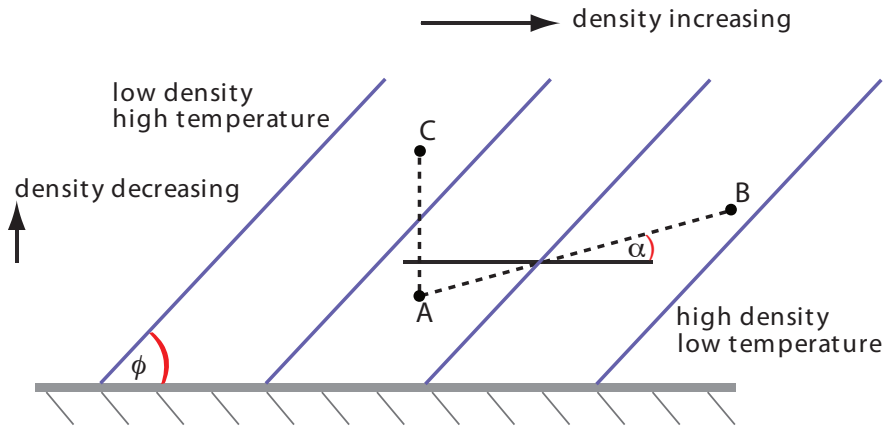


Fig. 9.9

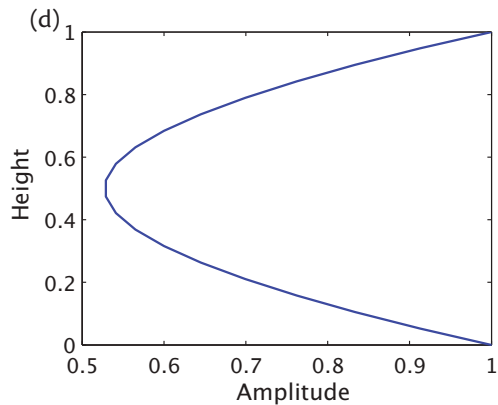
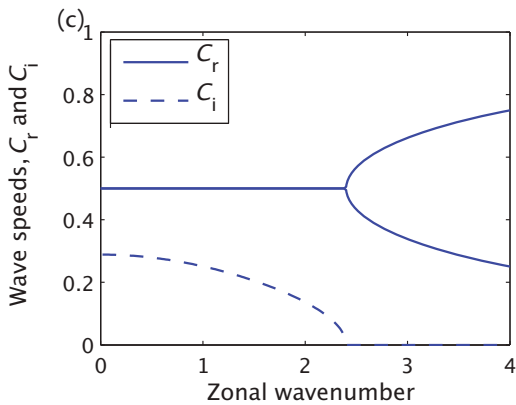
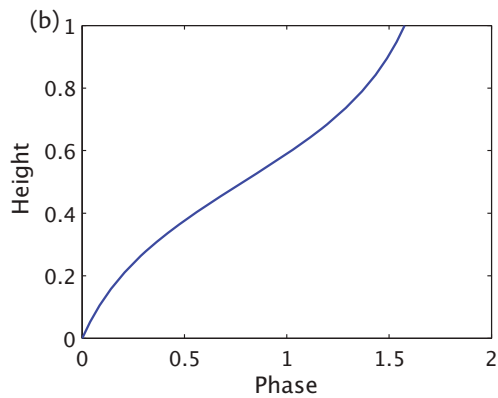
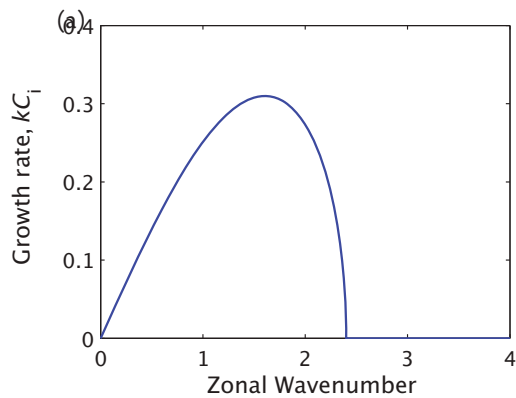


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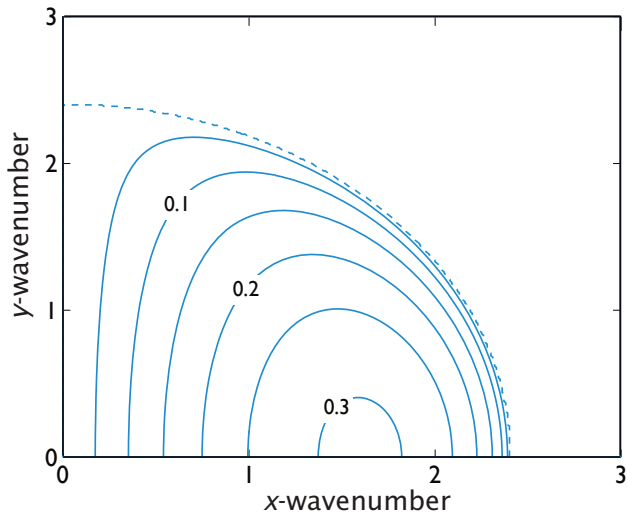


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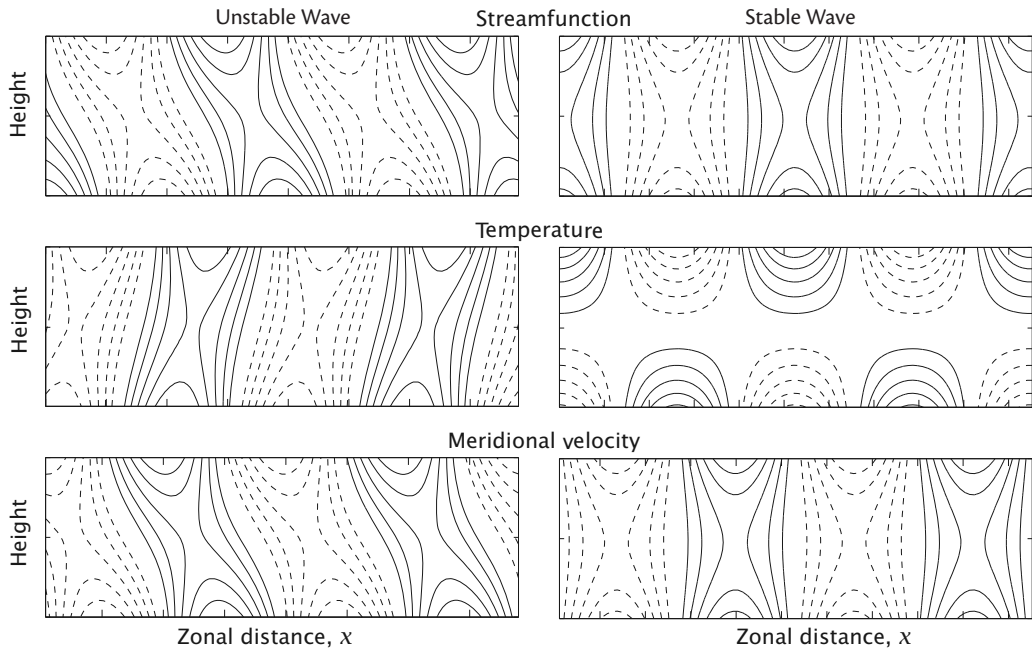


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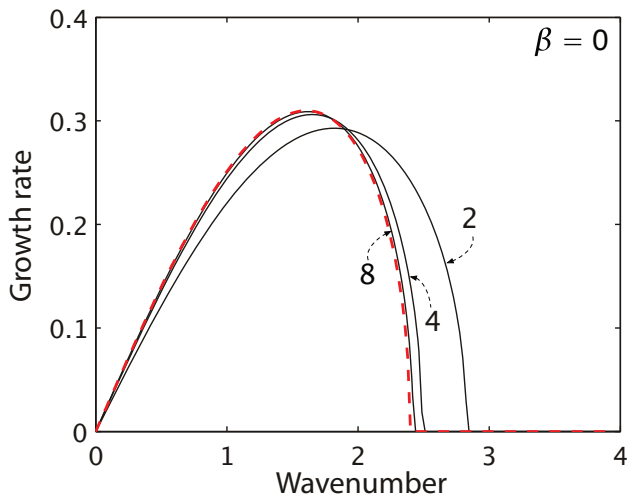


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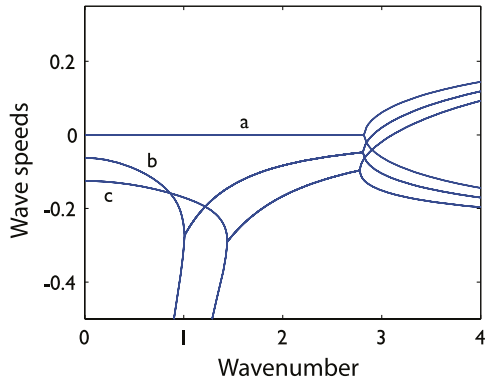
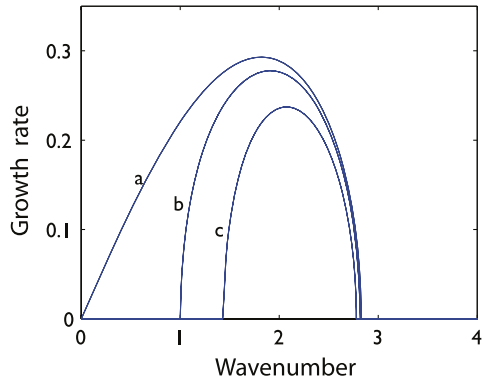


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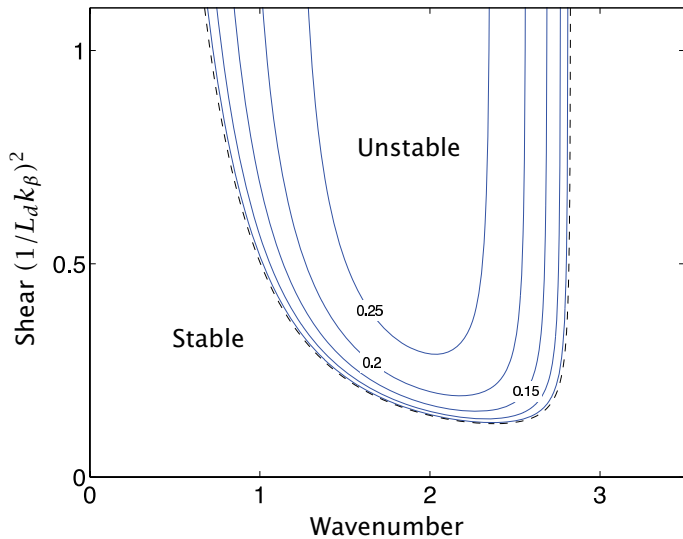


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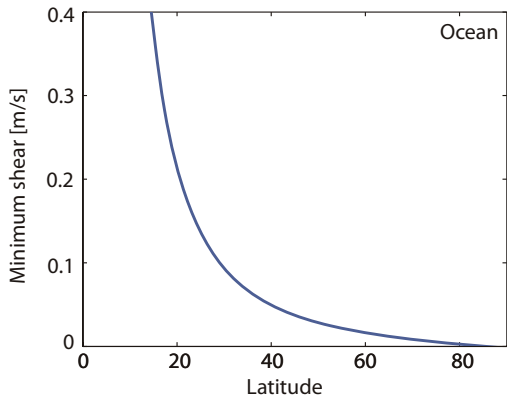
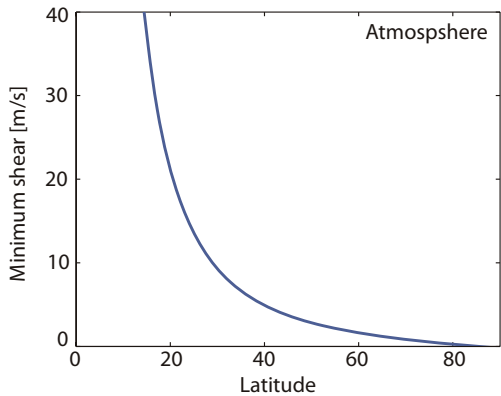


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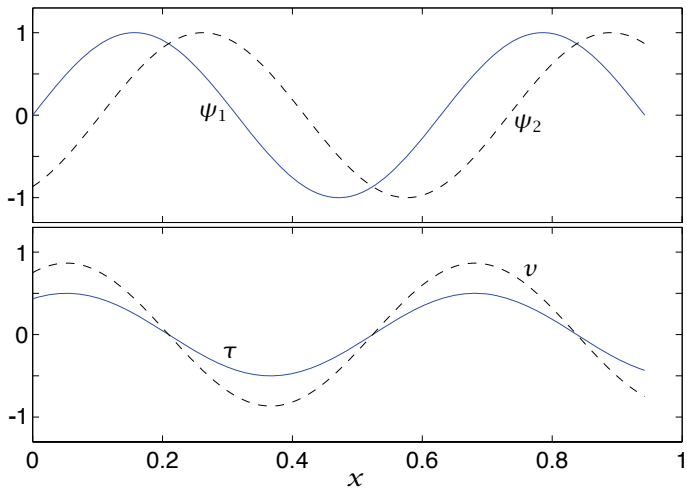


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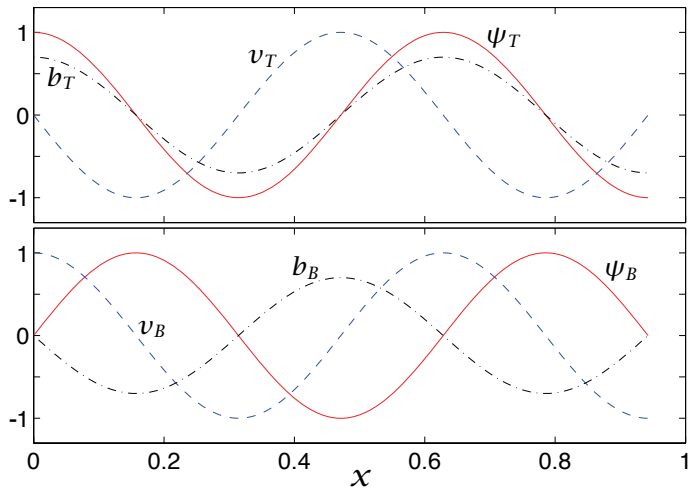


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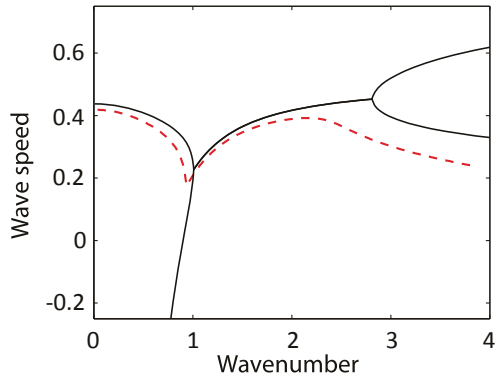
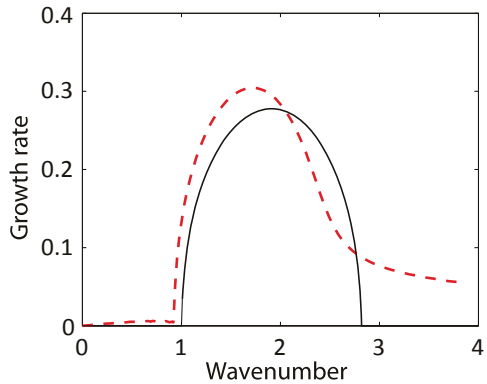


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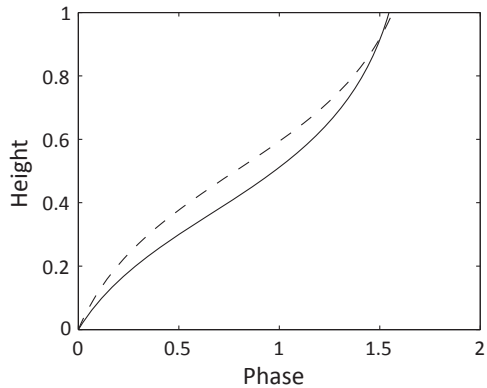
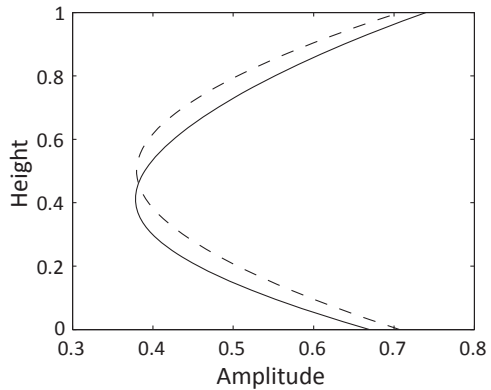


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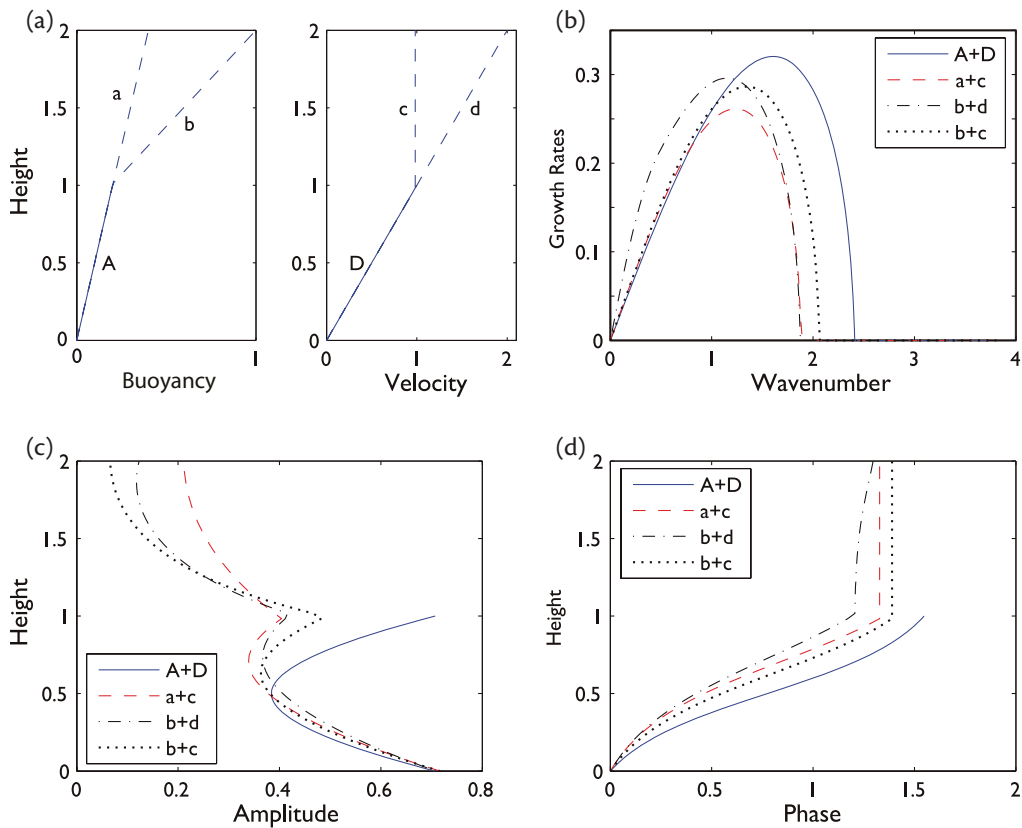


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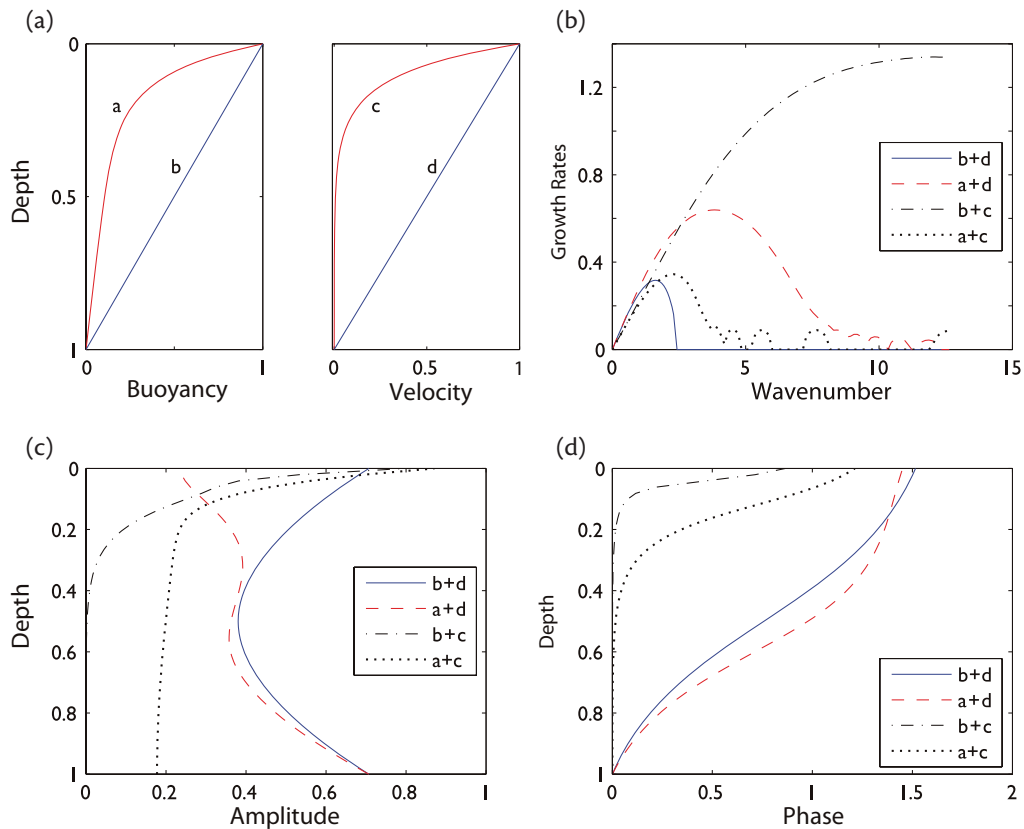


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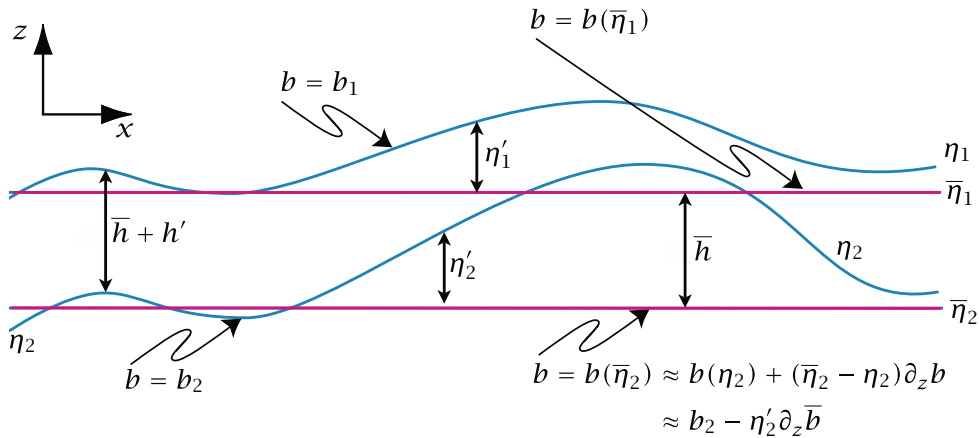


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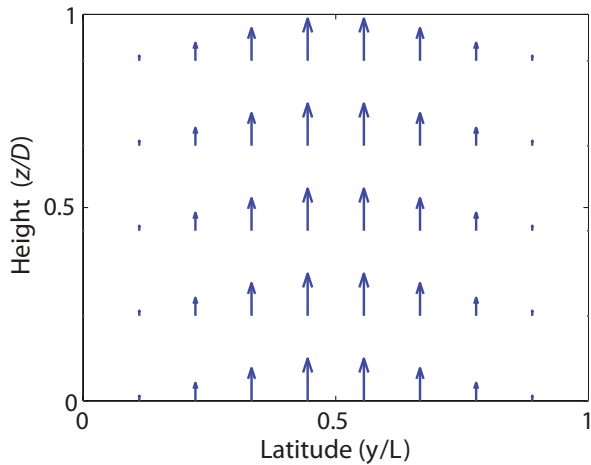


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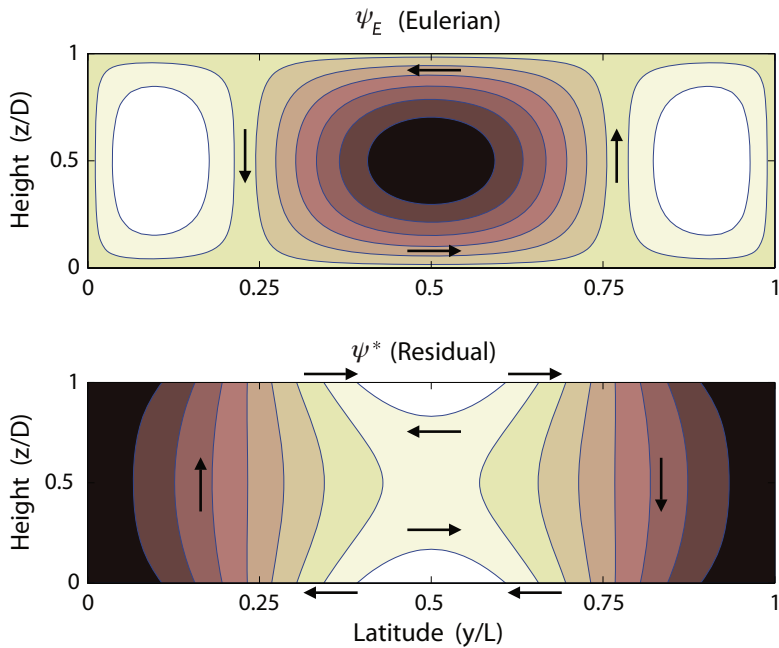


Fig. 10.3

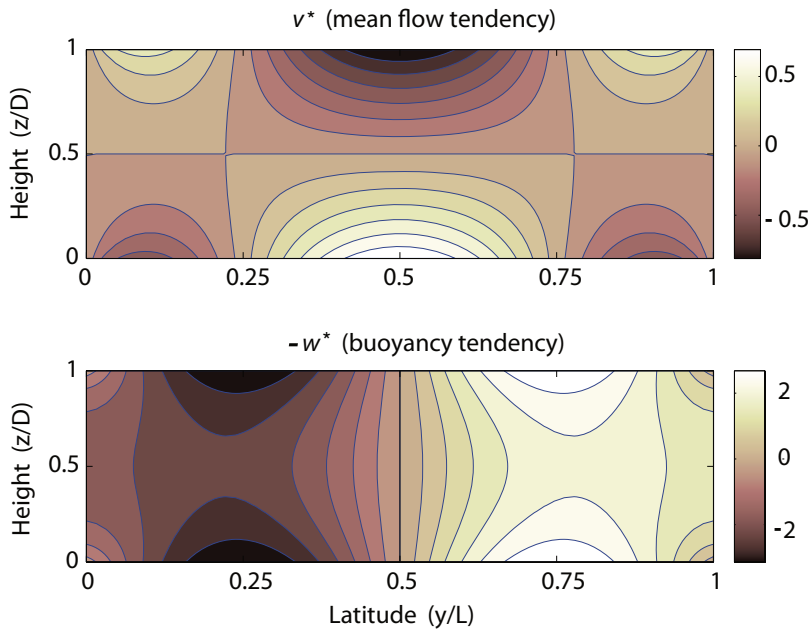


Fig. 10.4

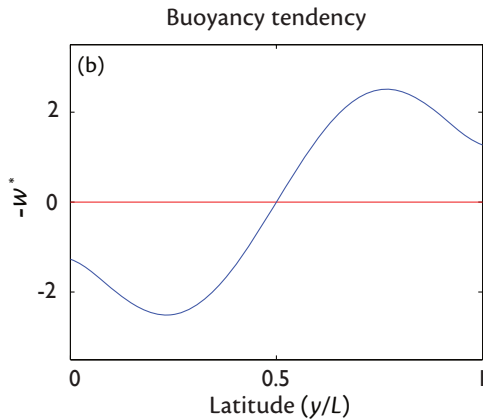
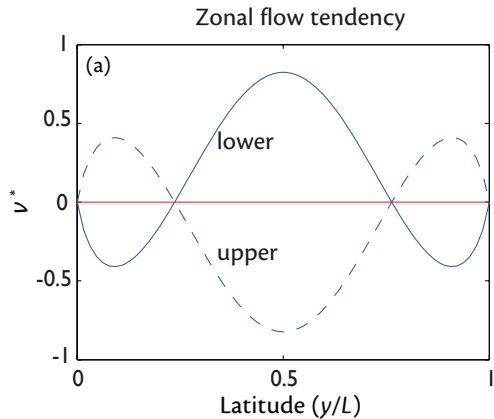


Fig. 10.5

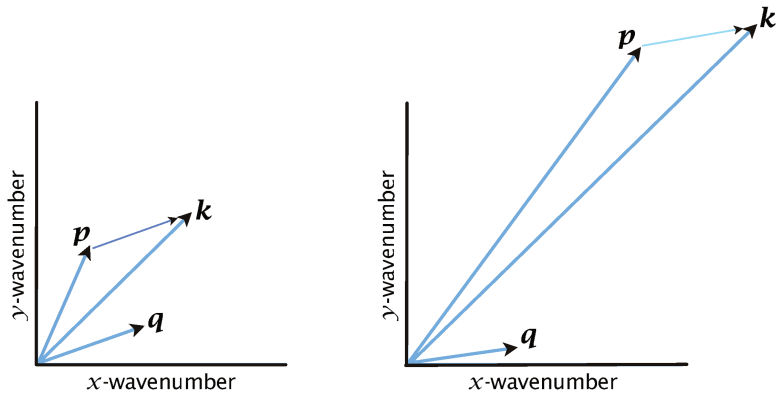


Fig. 11.1

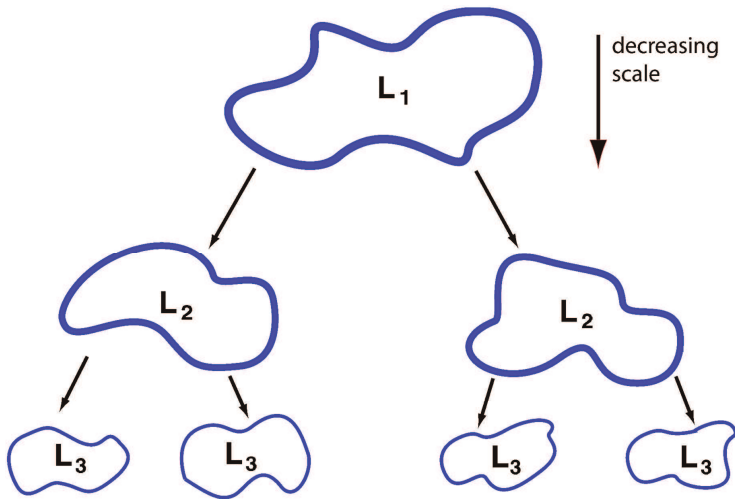


Fig. 11.2

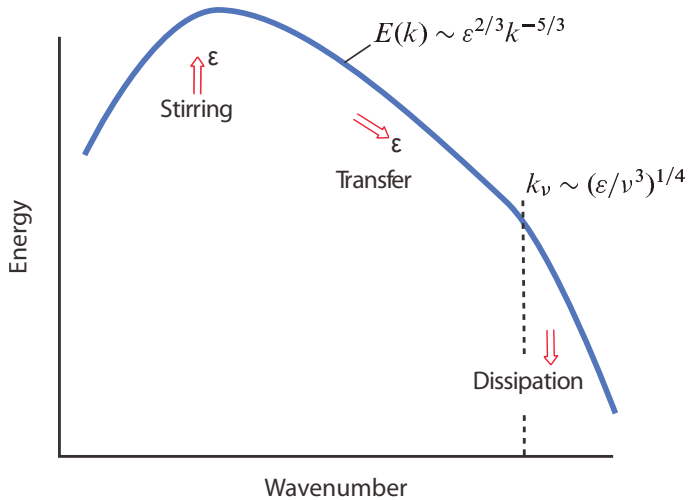


Fig. 11.3

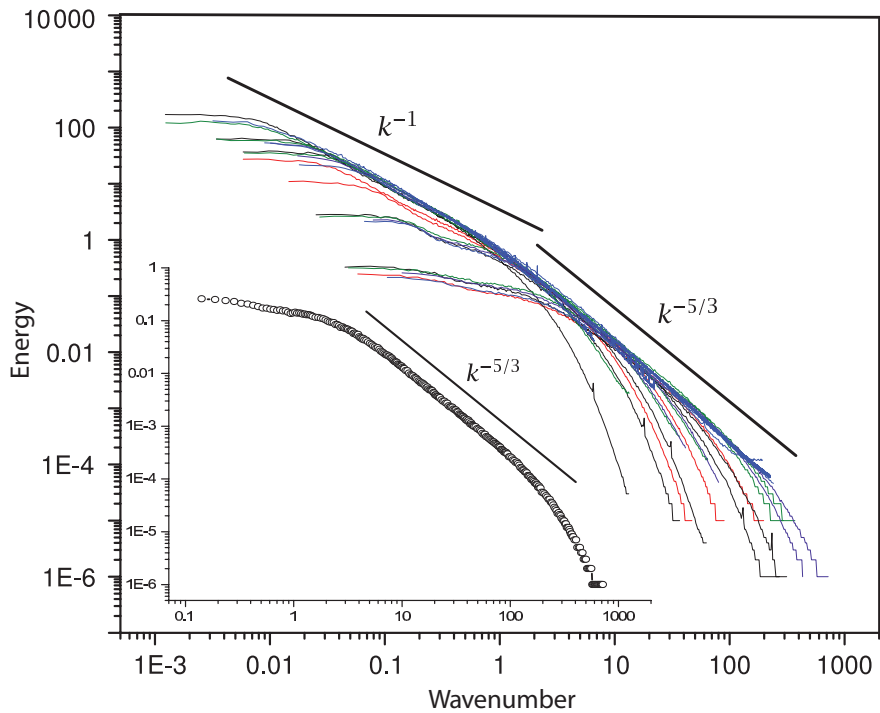


Fig. 11.4

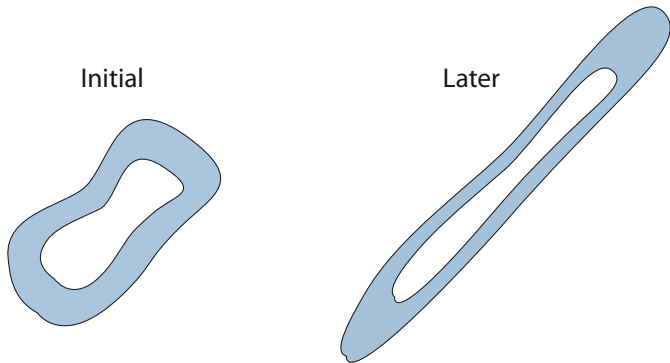


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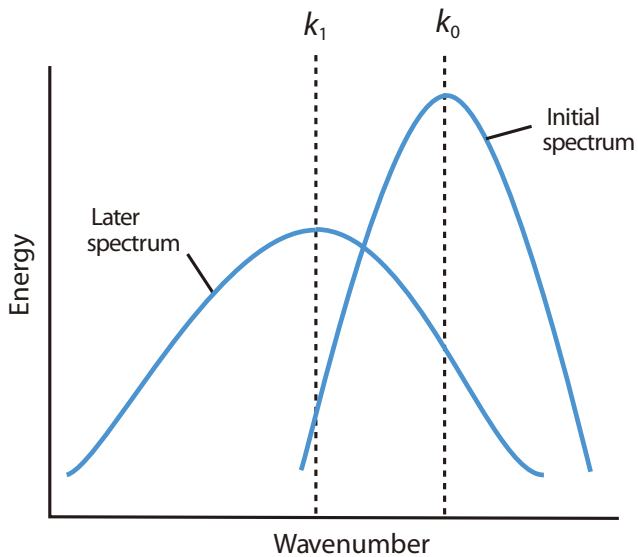


Fig. 11.6

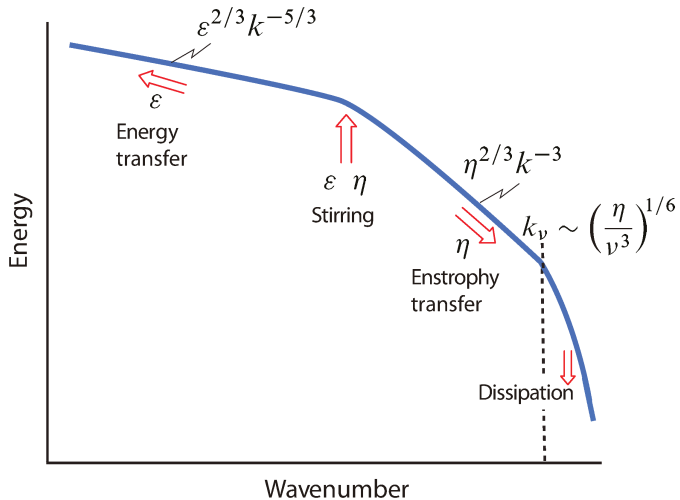


Fig. 11.7

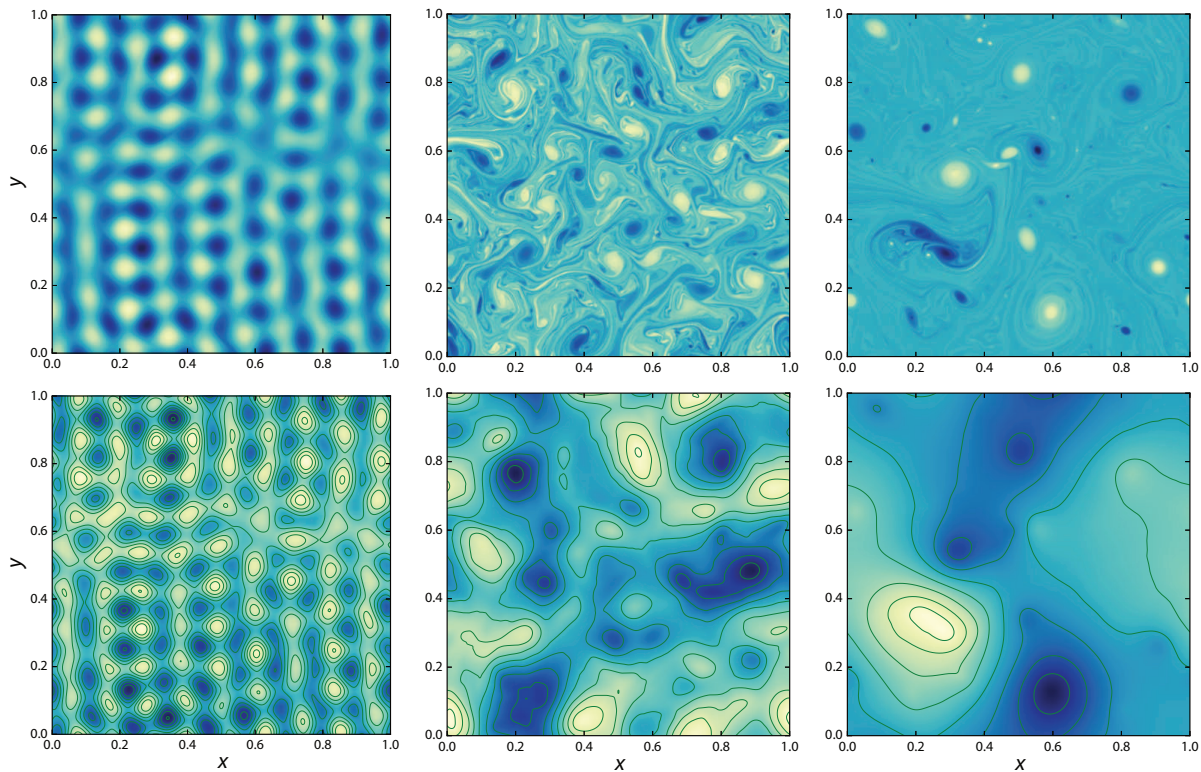


Fig. 11.8

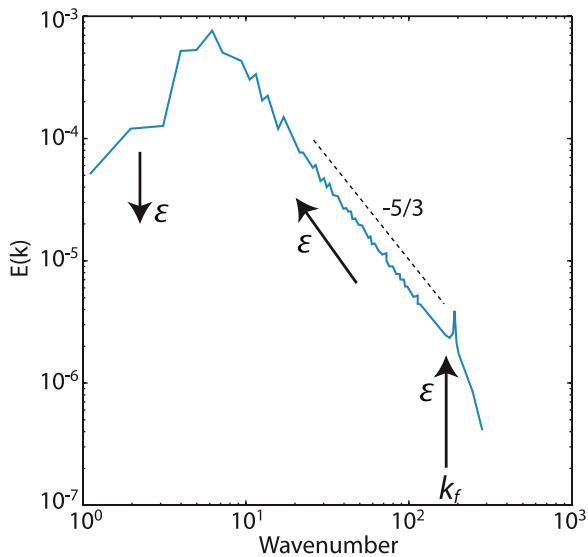


Fig. 11.9

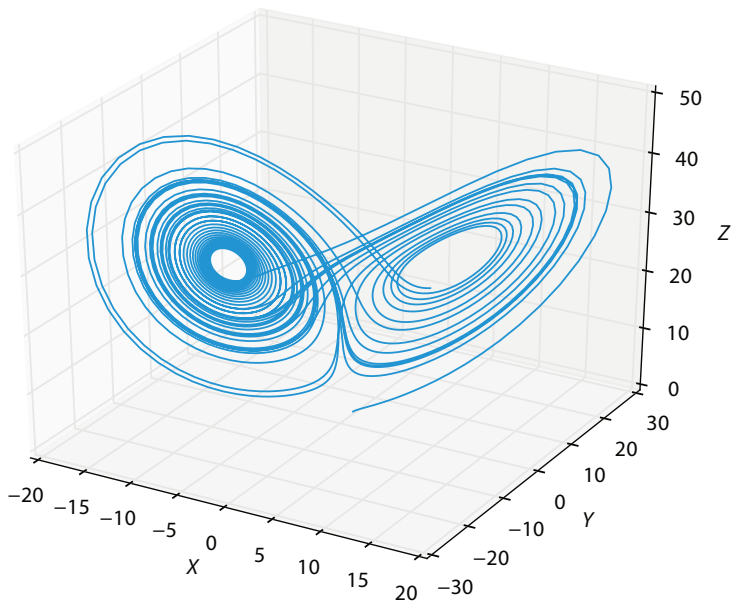


Fig. 11.10

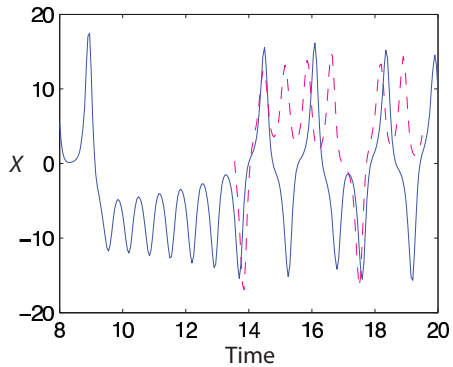
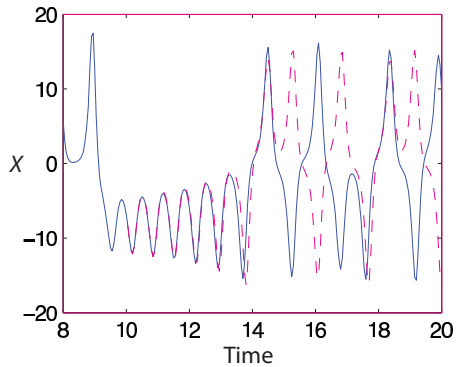


Fig. 11.11

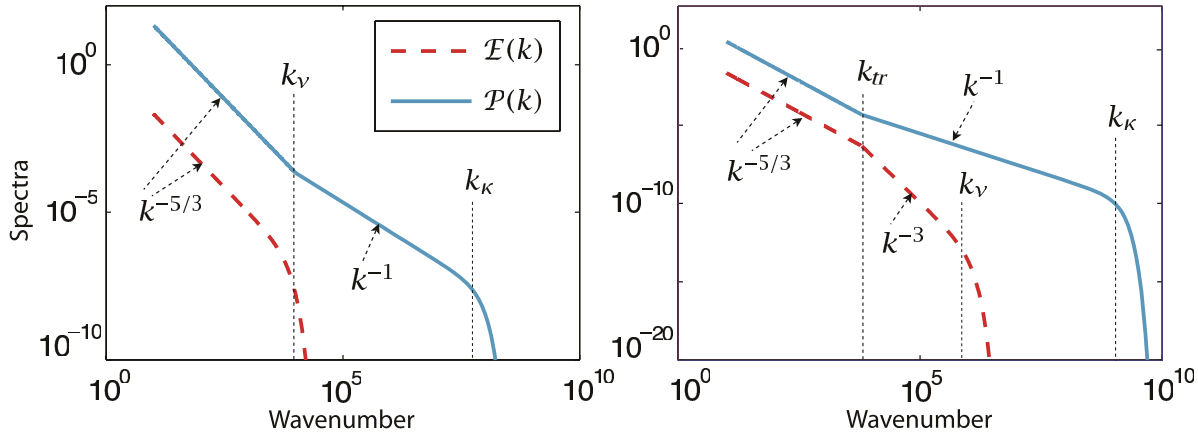


Fig. 11.12

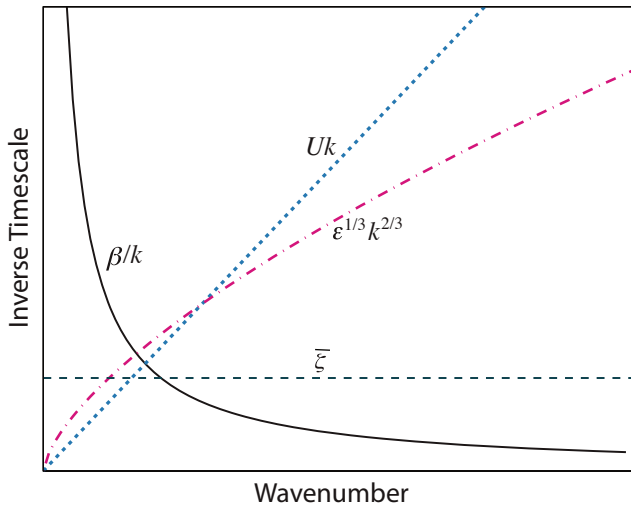


Fig. 12.1

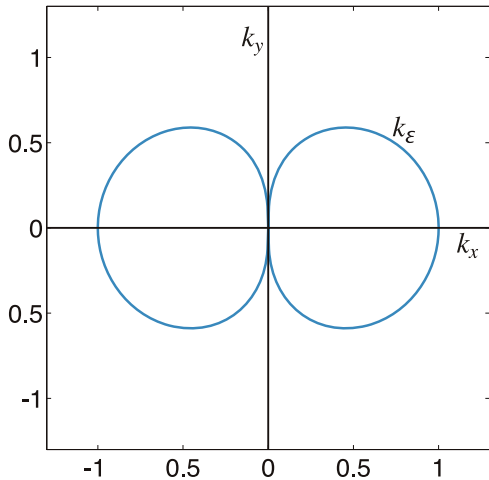


Fig. 12.2

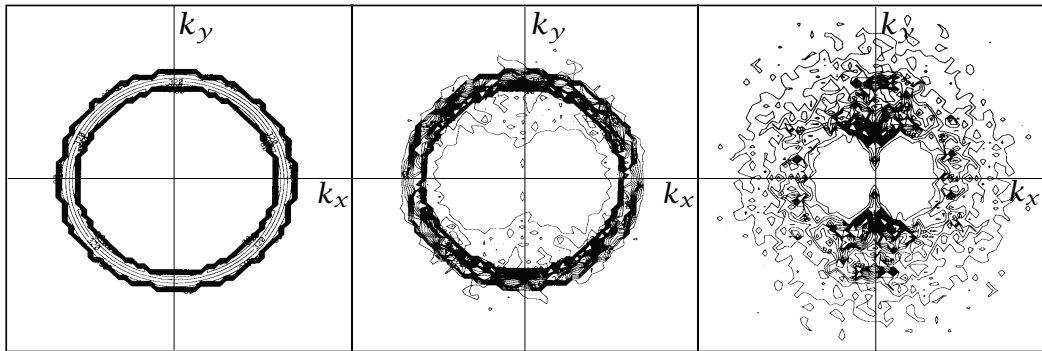


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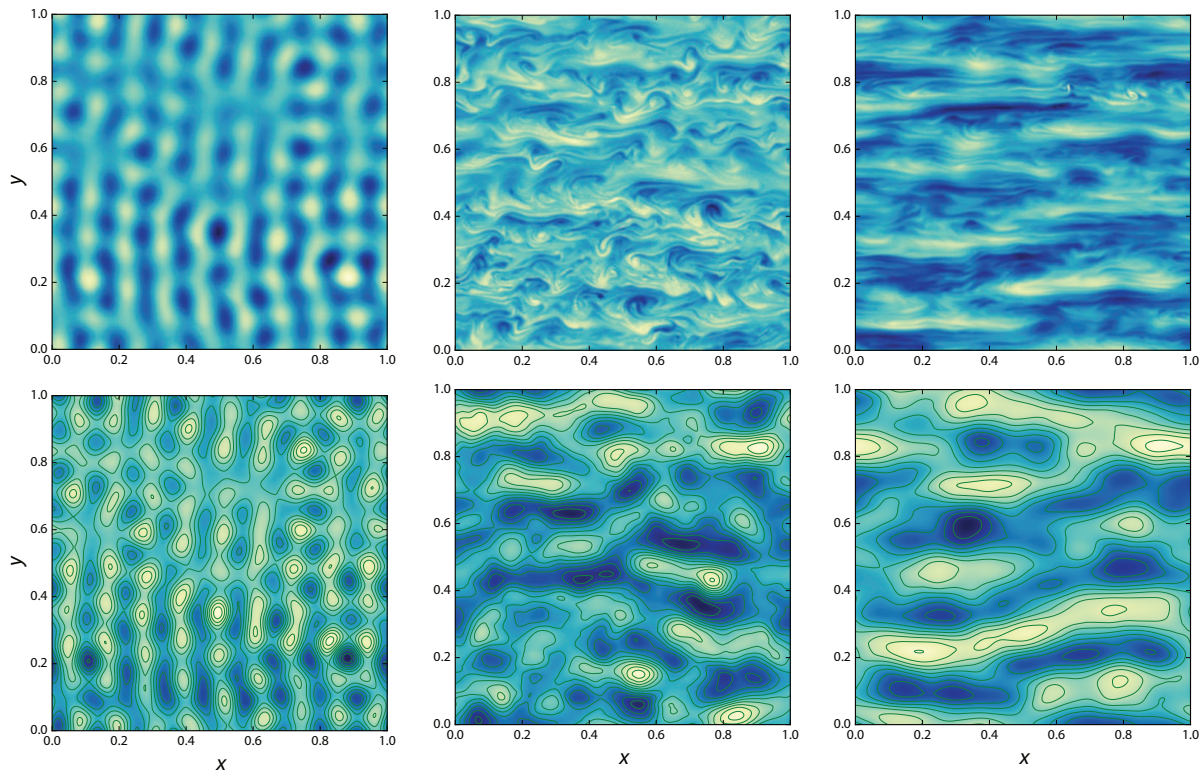


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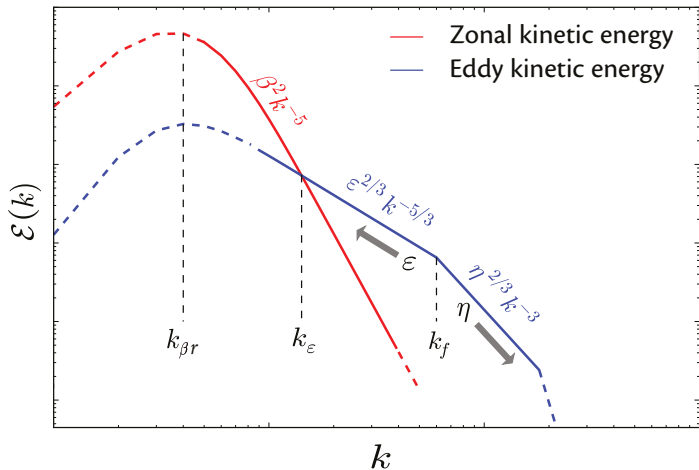


Fig. 12.5

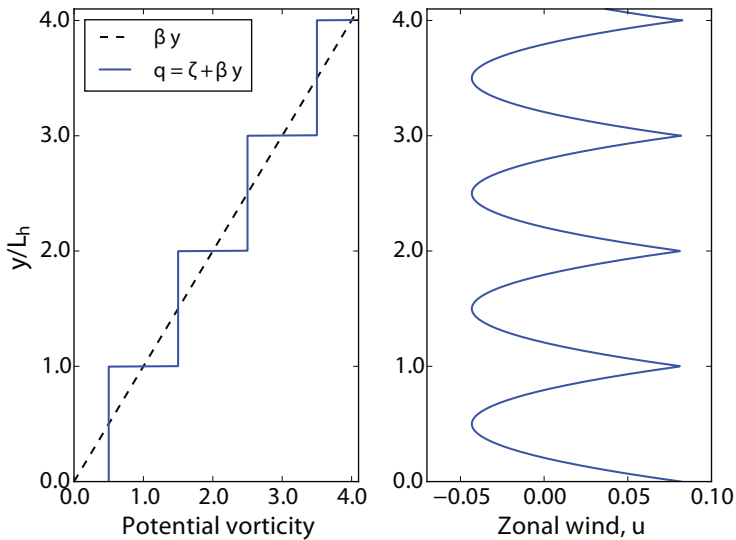


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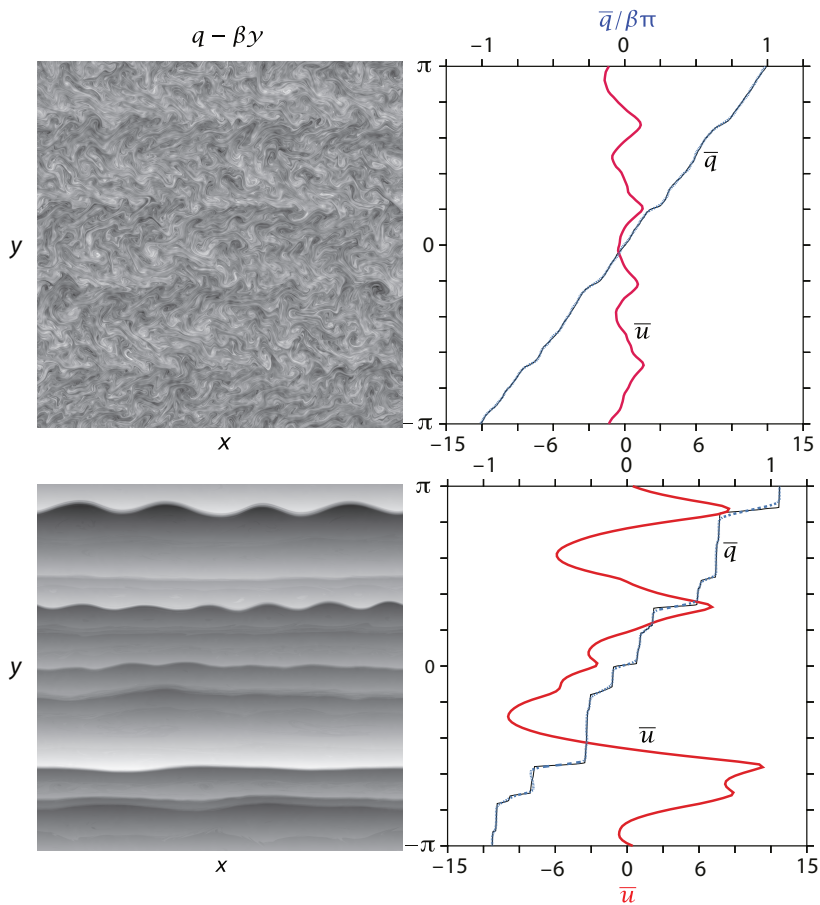


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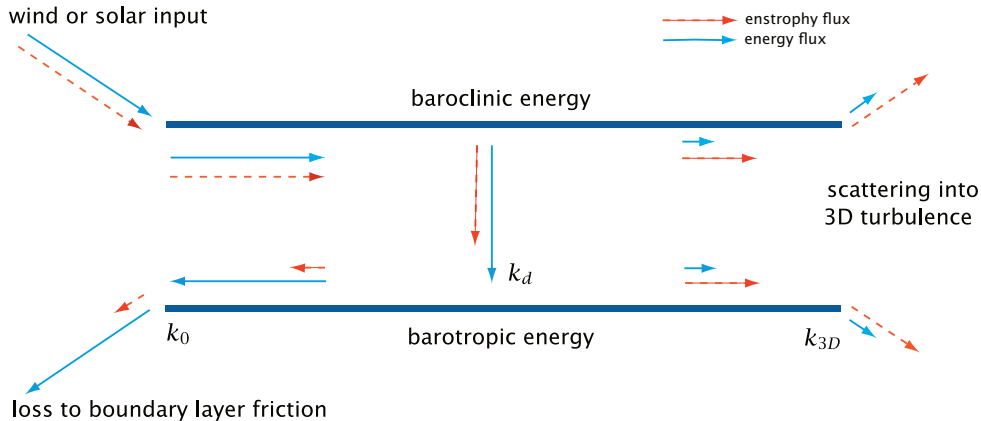


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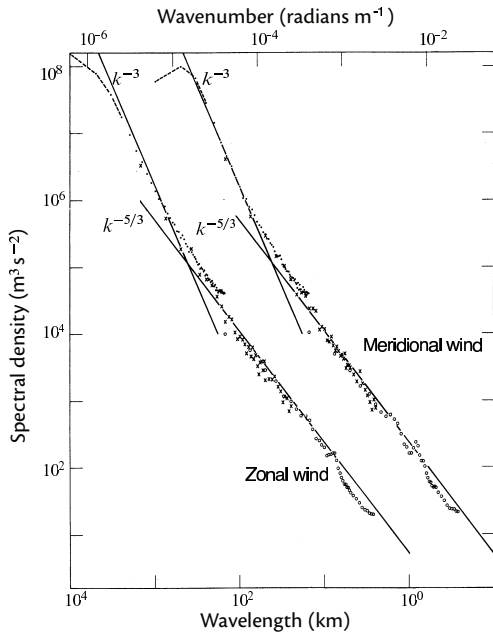


Fig. 12.9

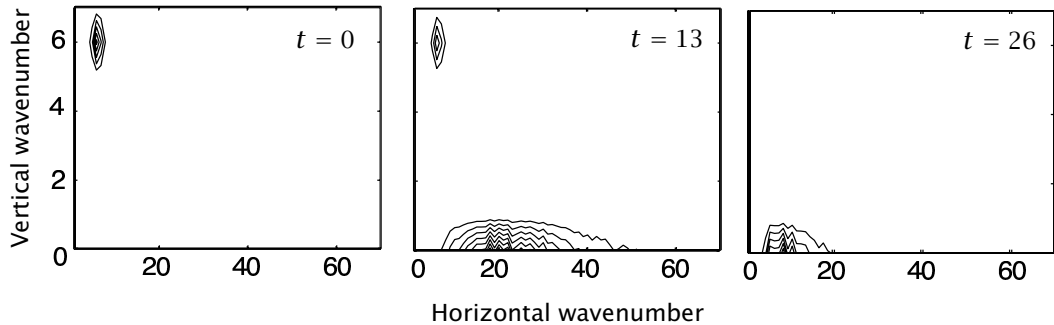


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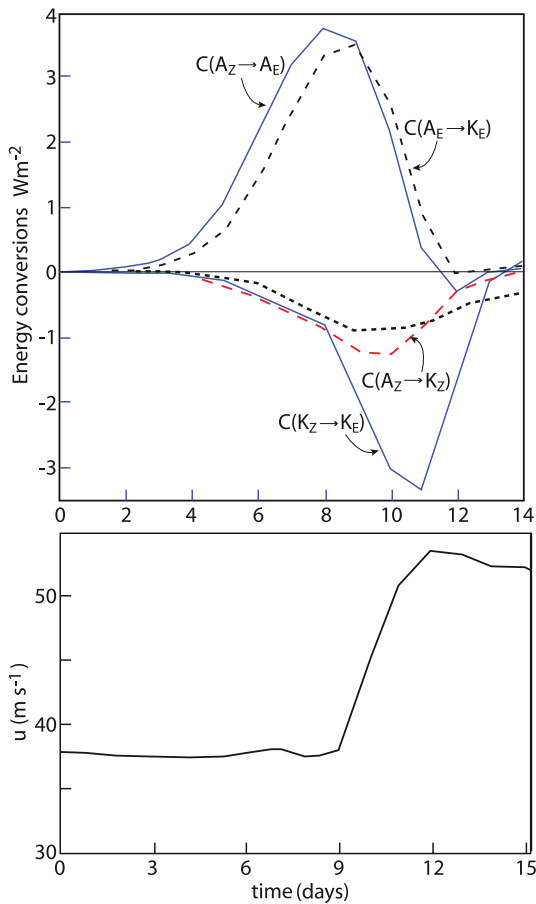


Fig. 12.11

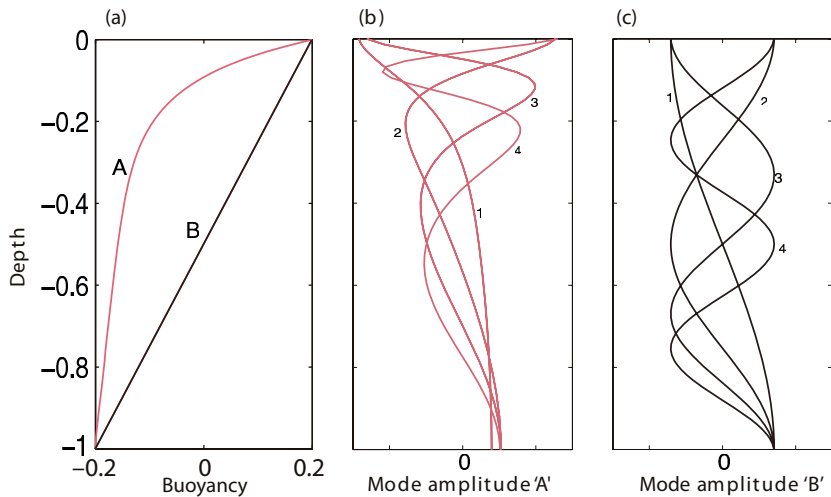


Fig. 12.12

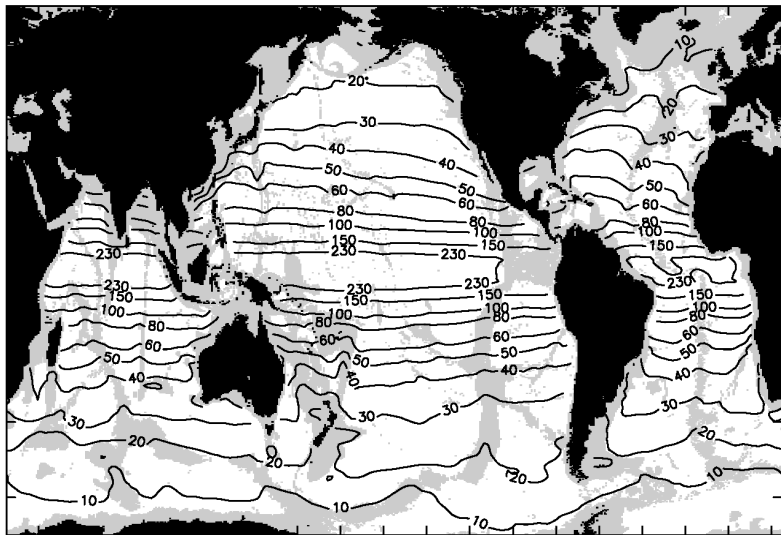


Fig. 12.13

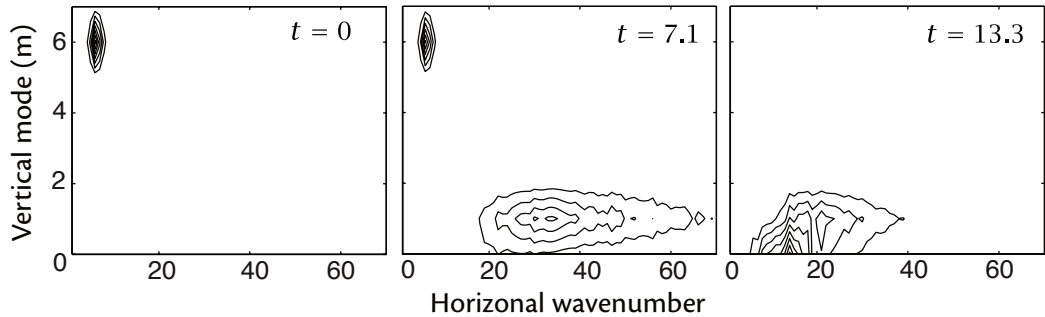


Fig. 12.14

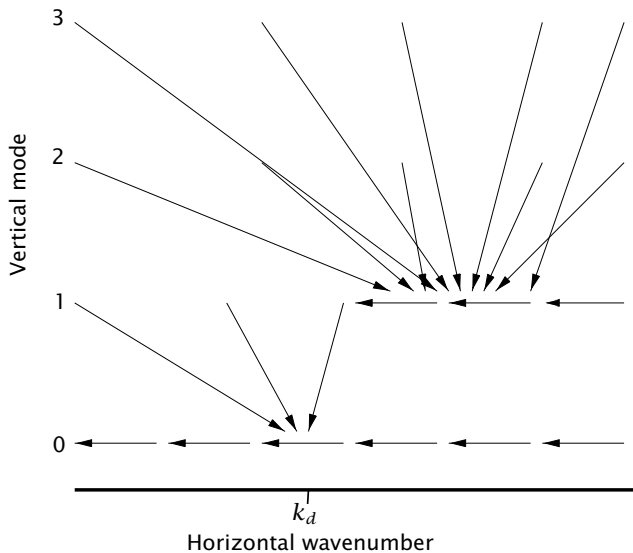


Fig. 12.15

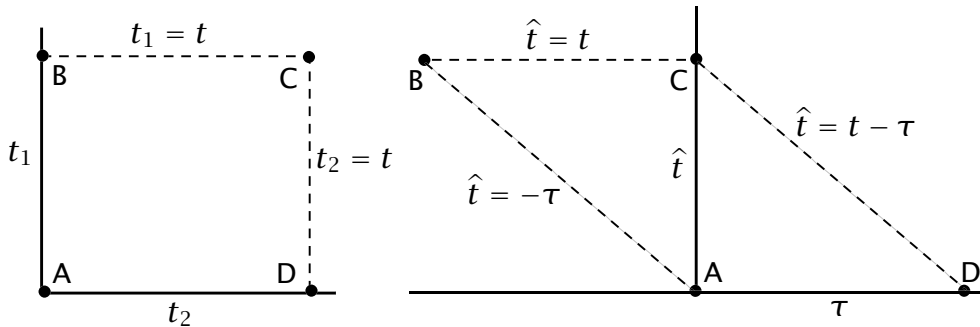


Fig. 13.1

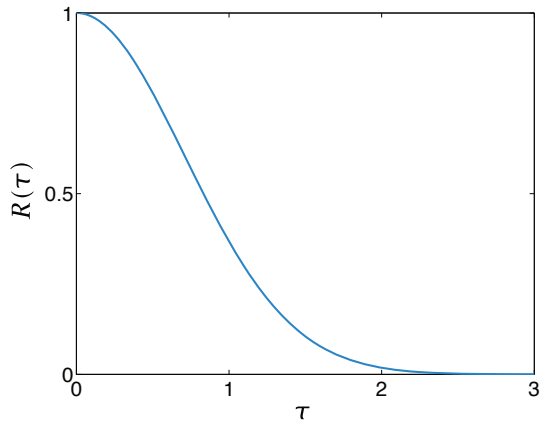


Fig. 13.2

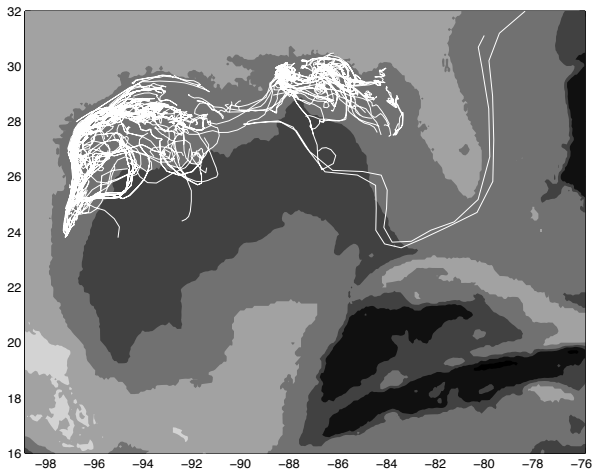


Fig. 13.3

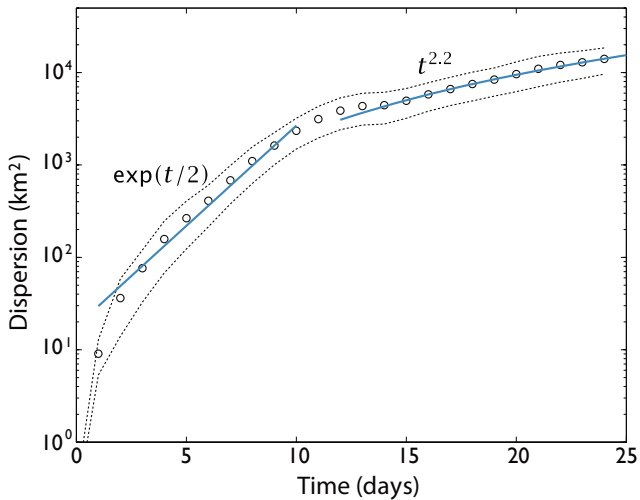


Fig. 13.4

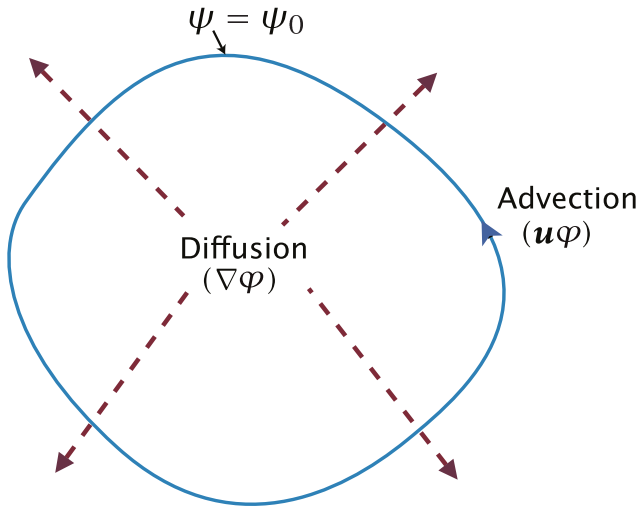


Fig. 13.5

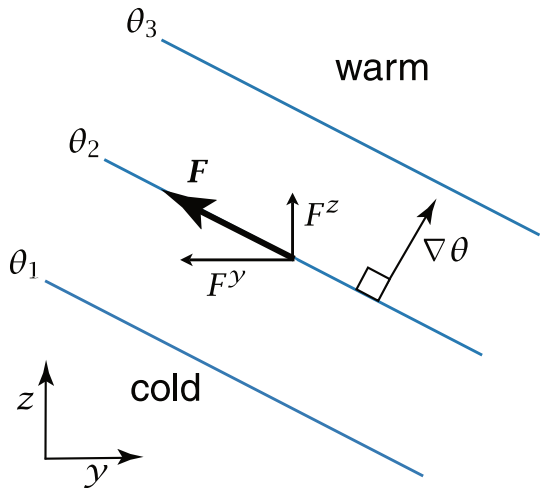


Fig. 13.6

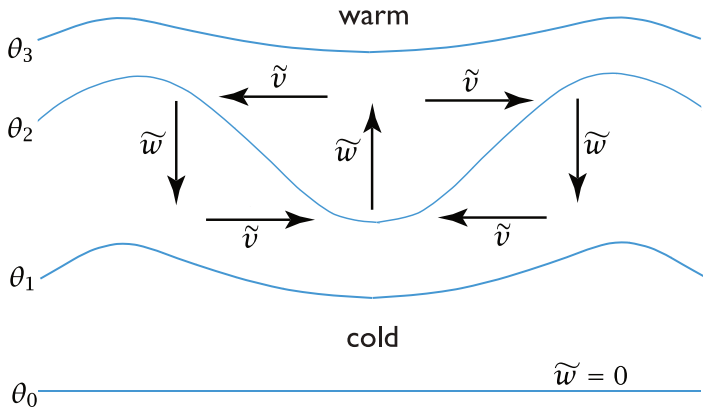


Fig. 13.7