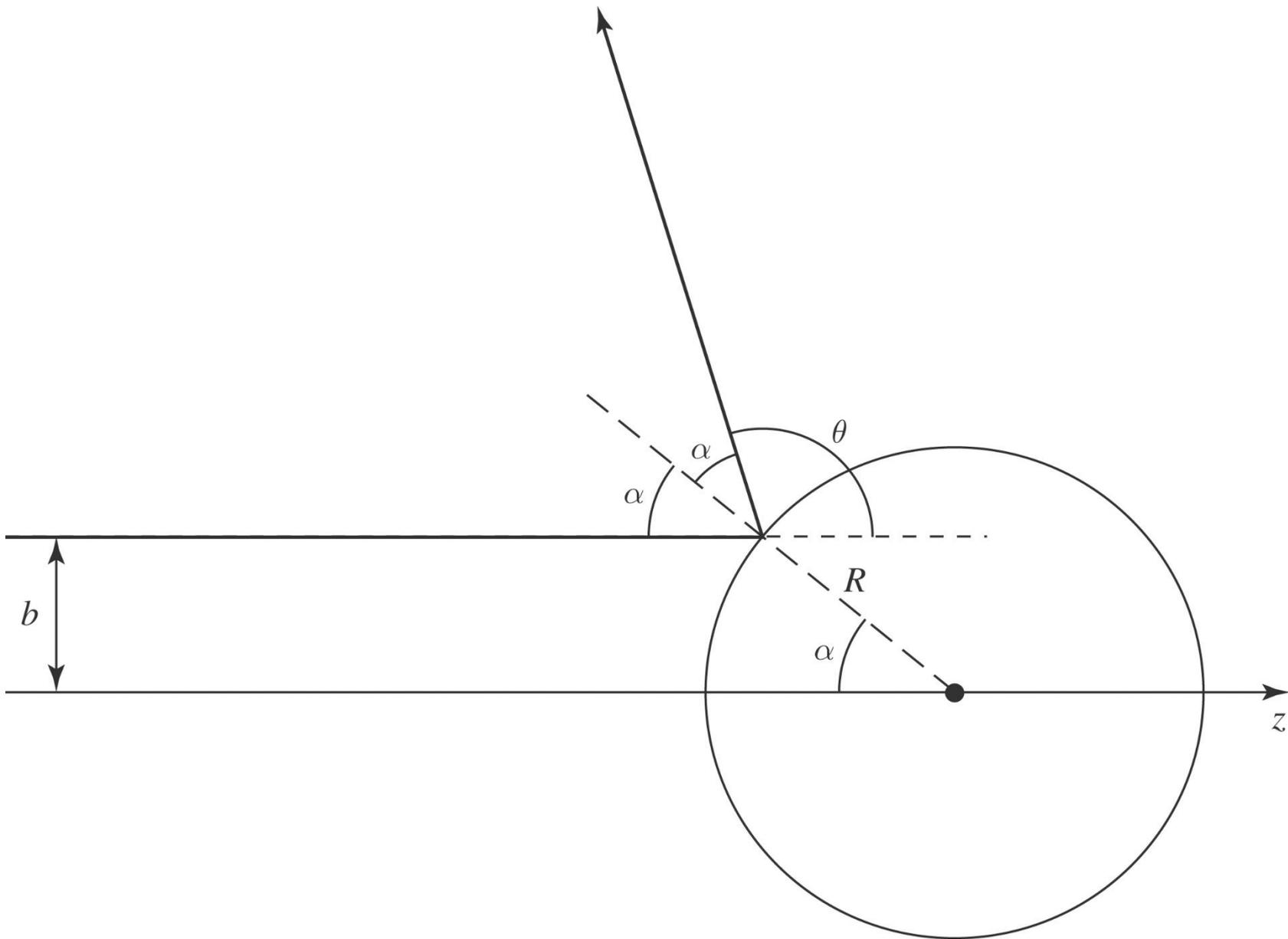
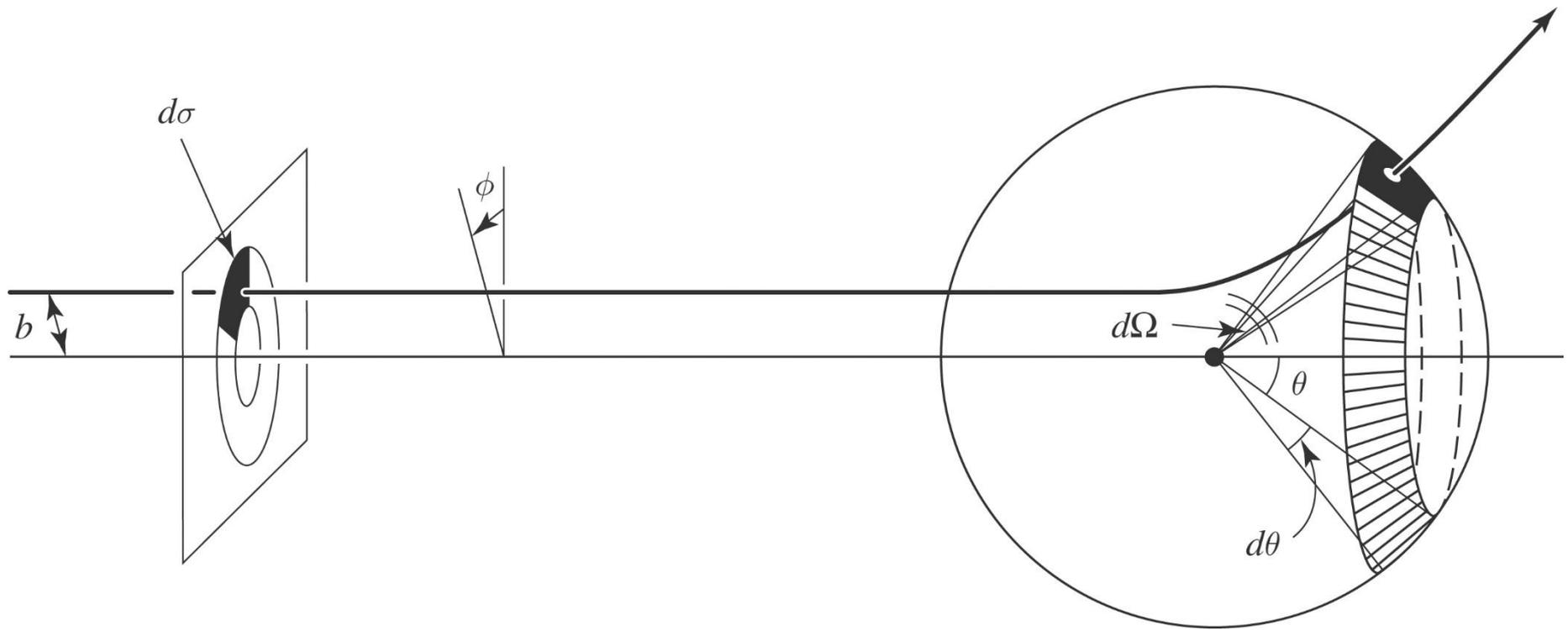


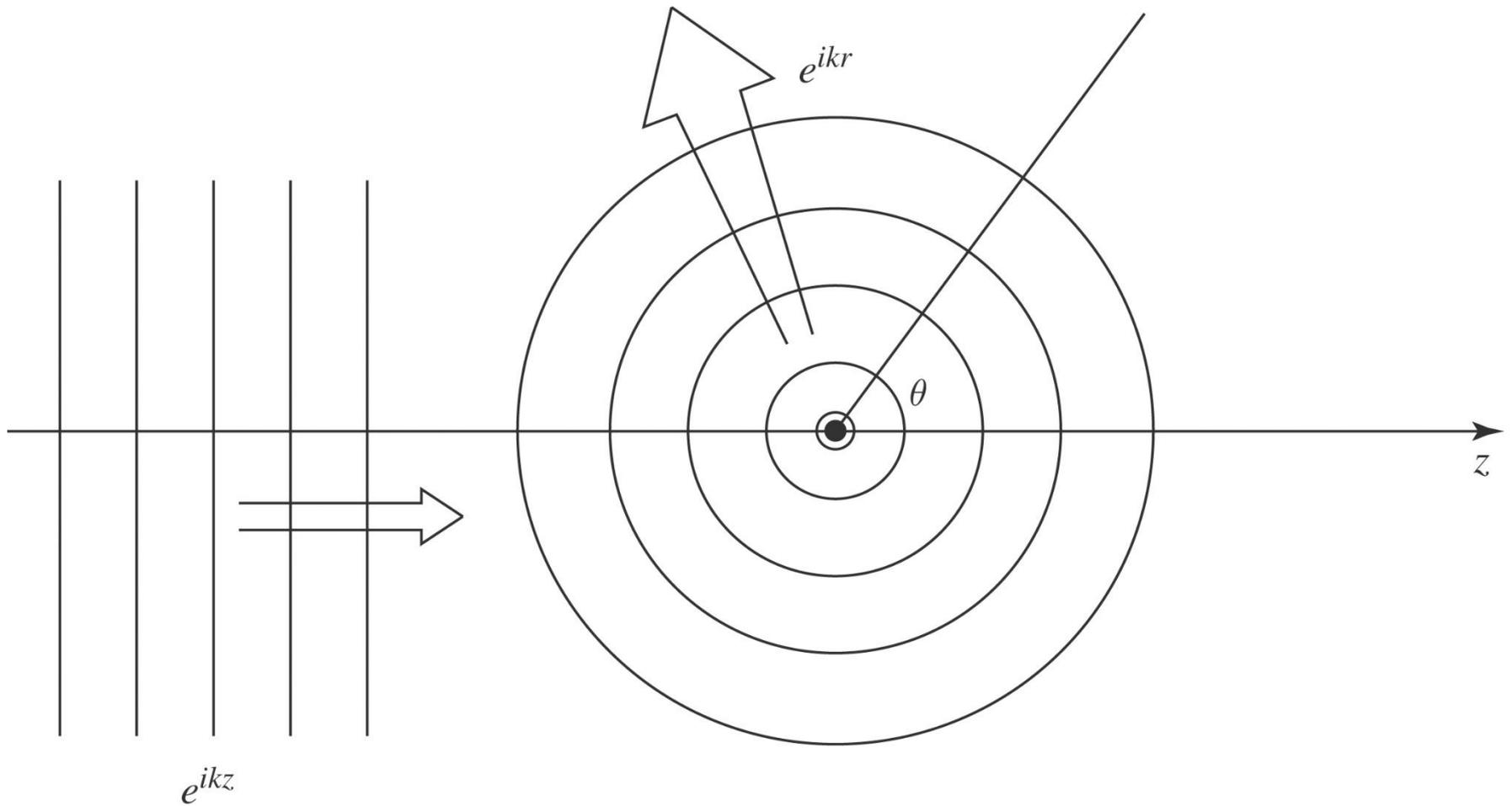
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_1



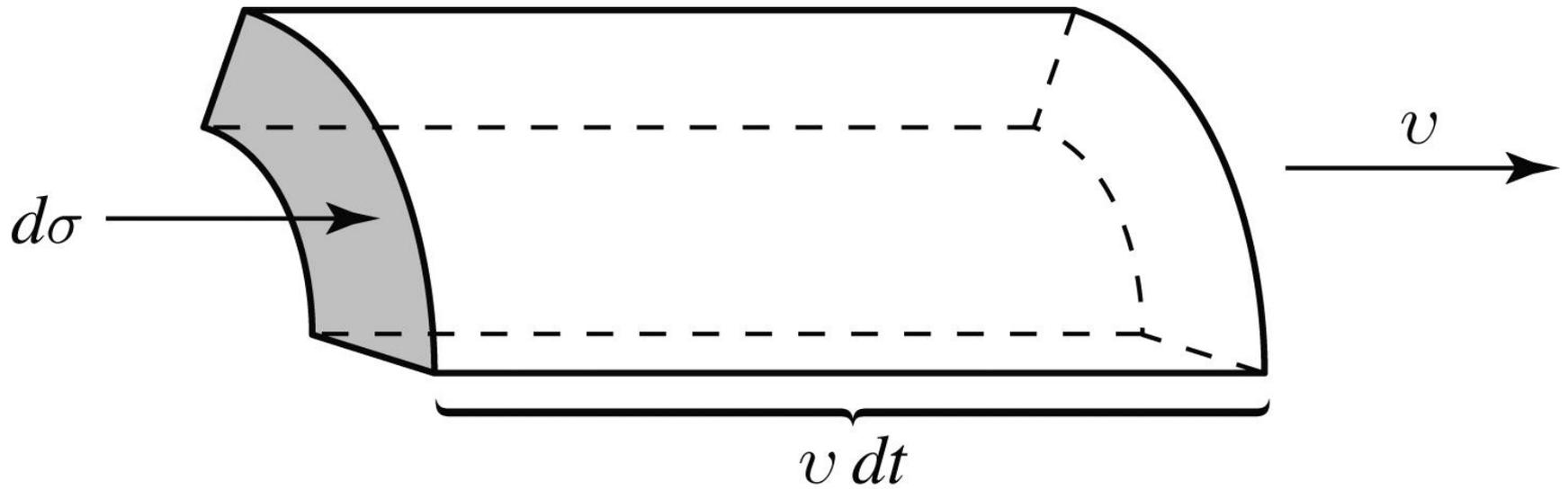
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_2



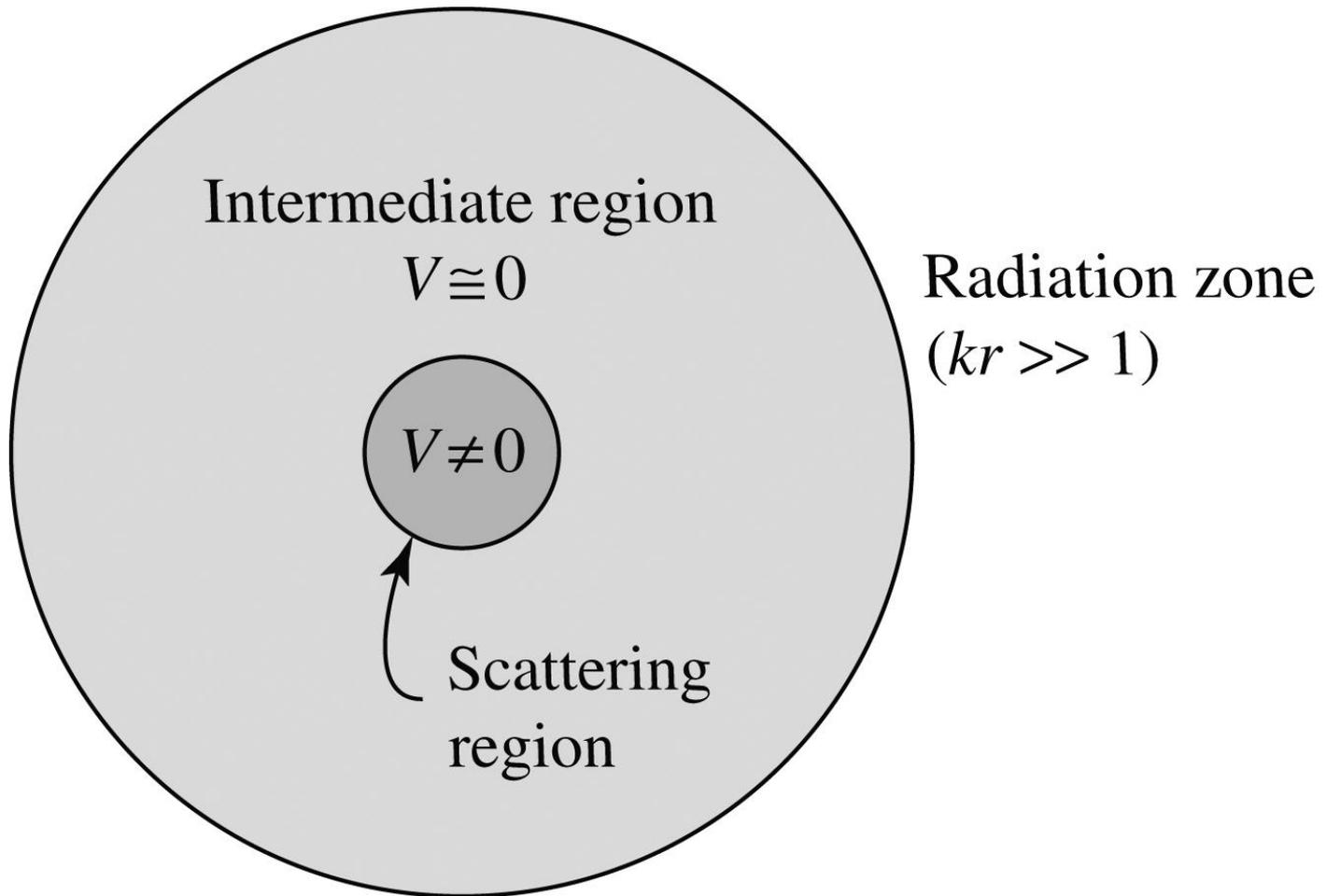
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_3



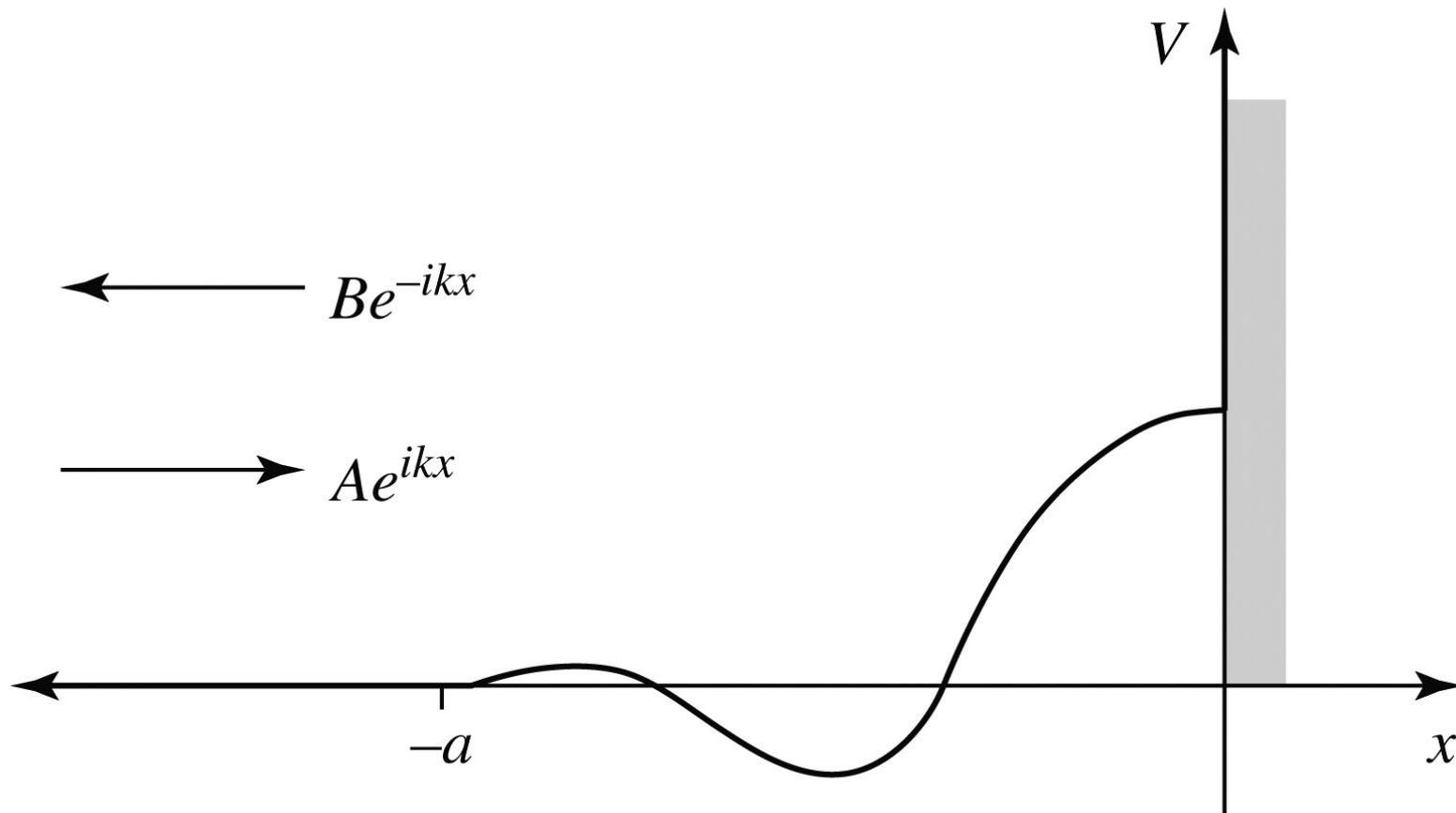
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_4



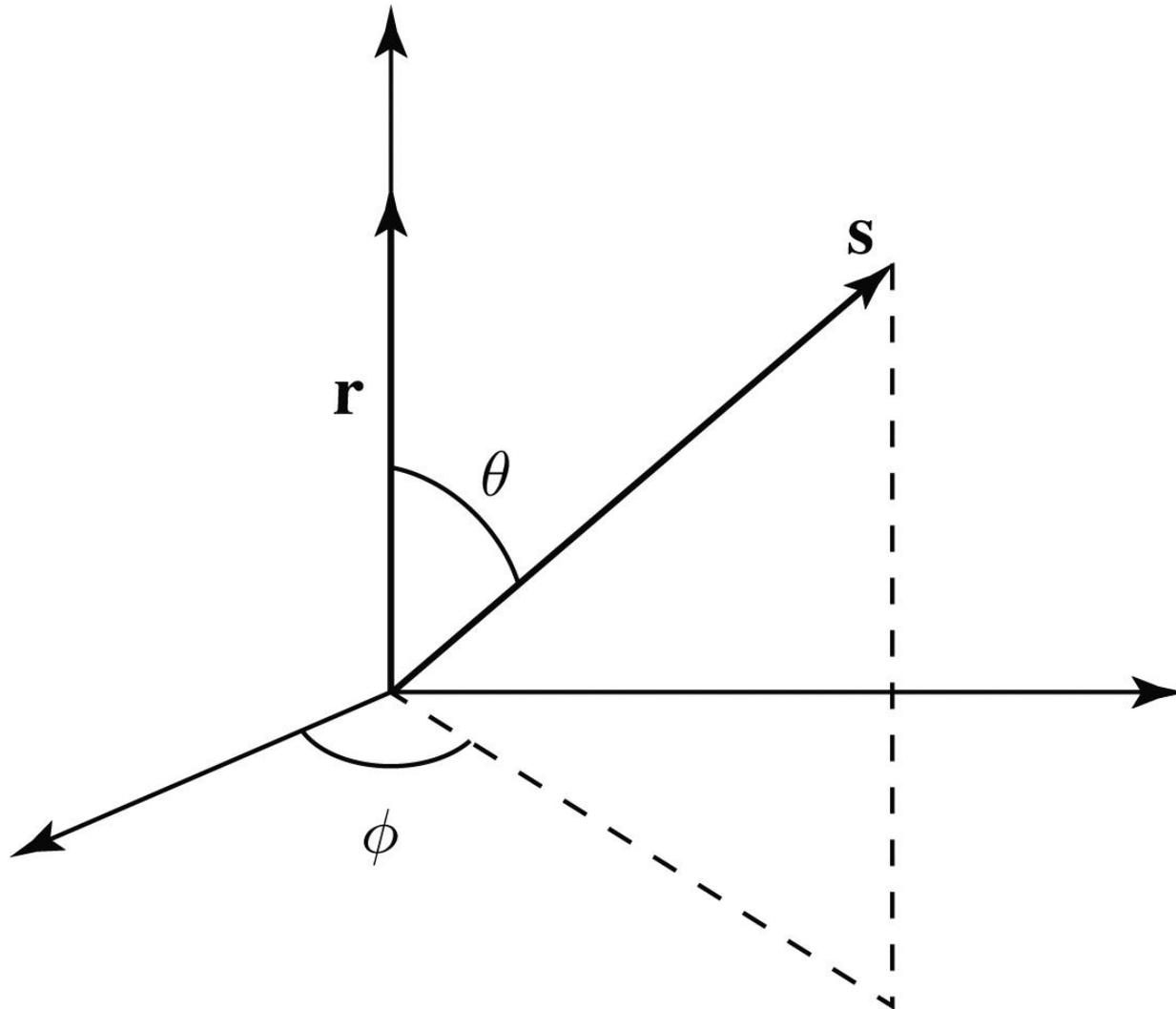
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_5



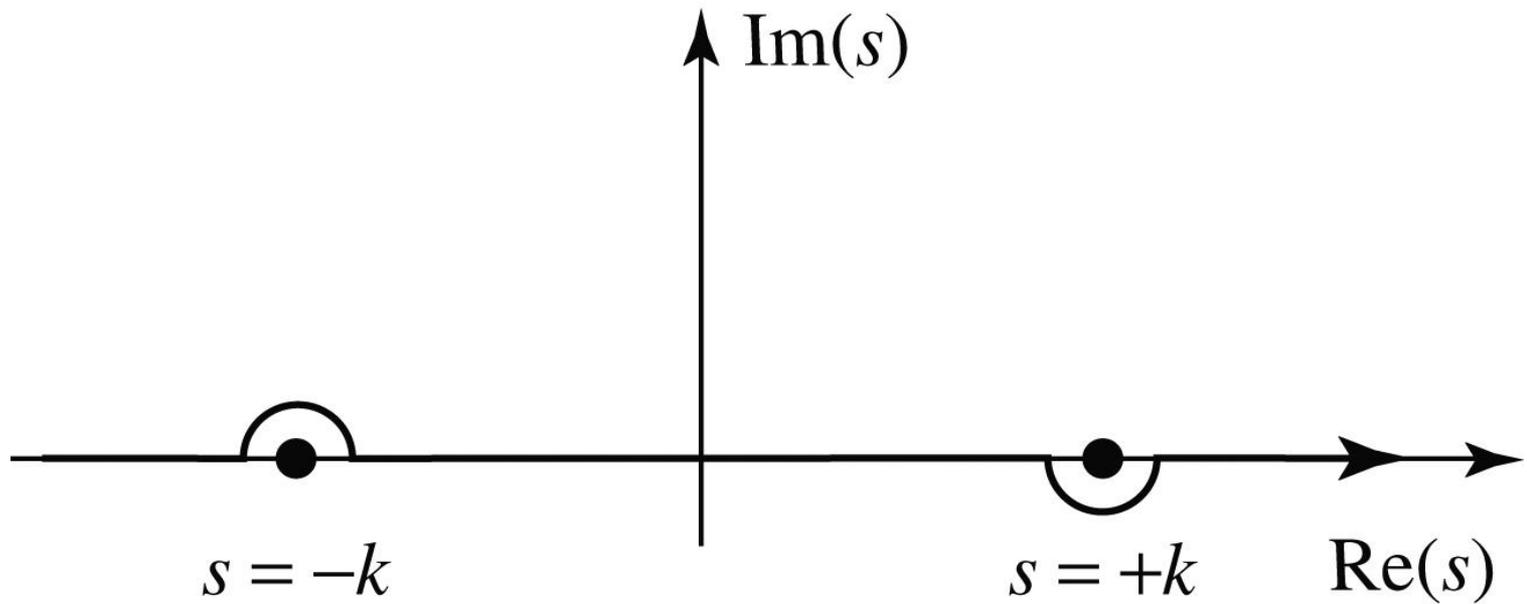
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_6



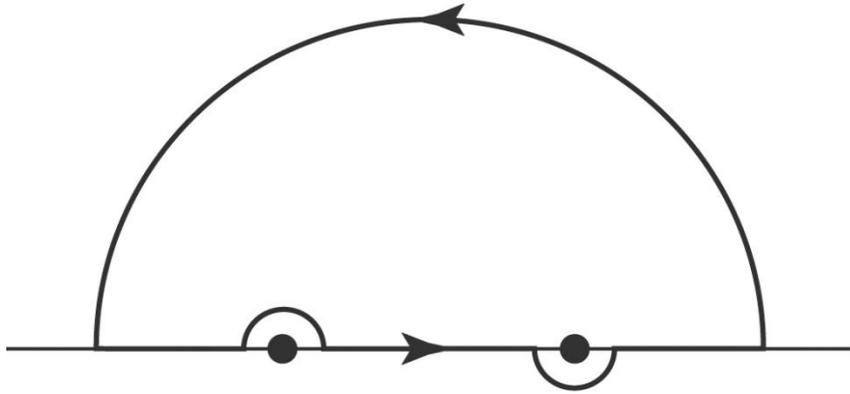
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_7



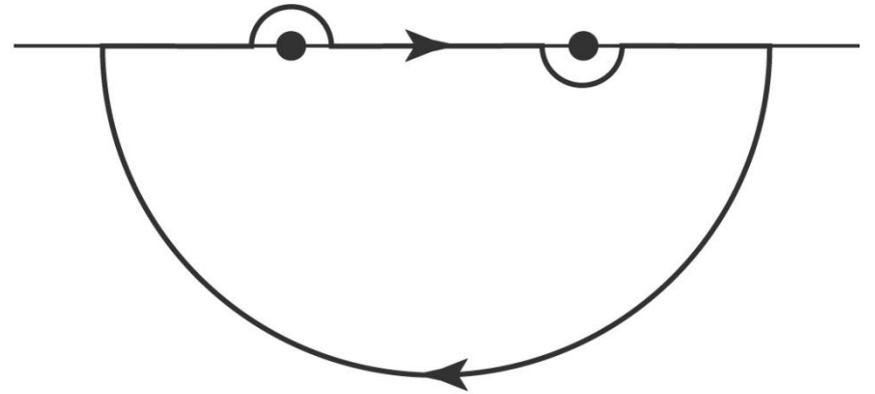
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_8



DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_9

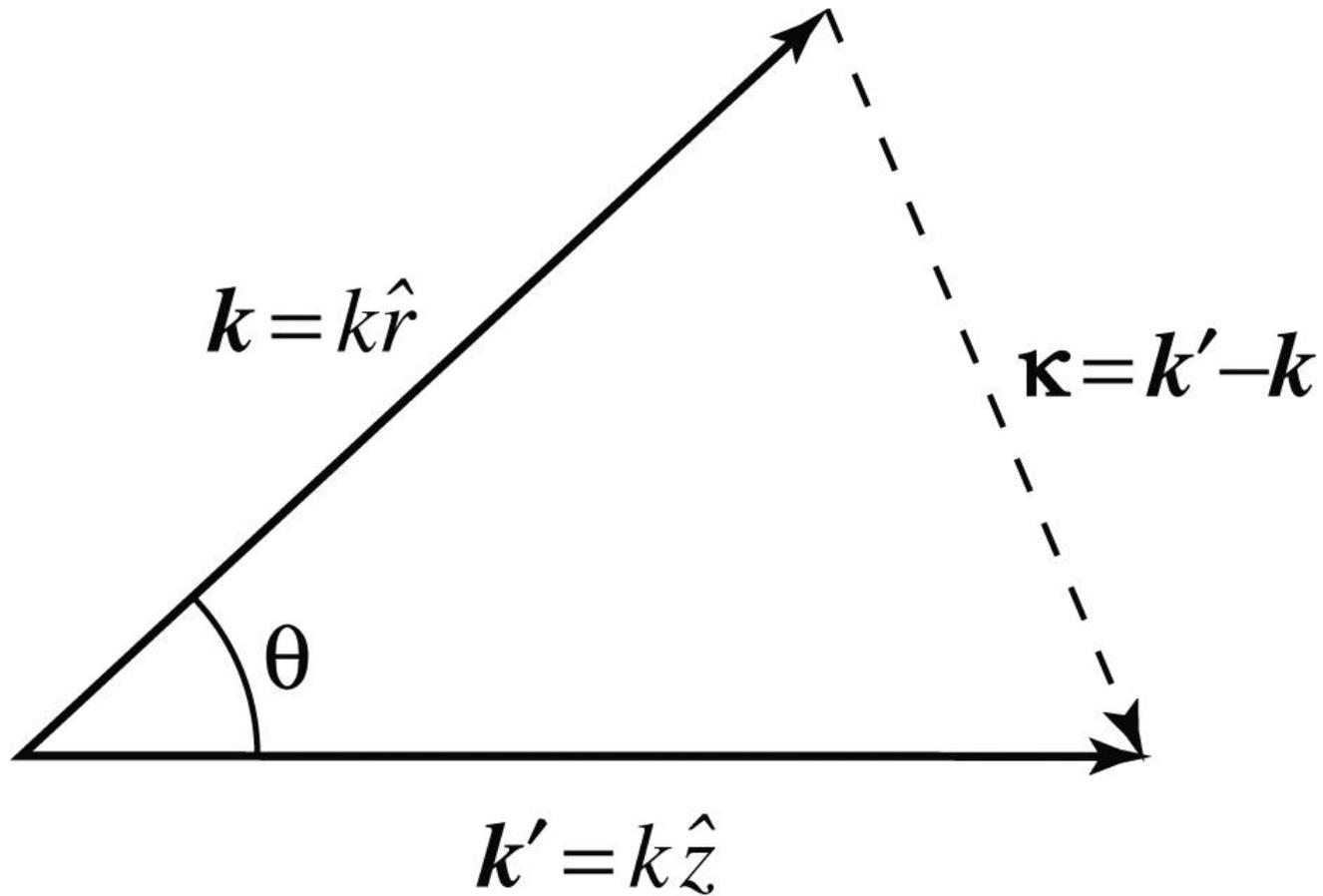


(a)

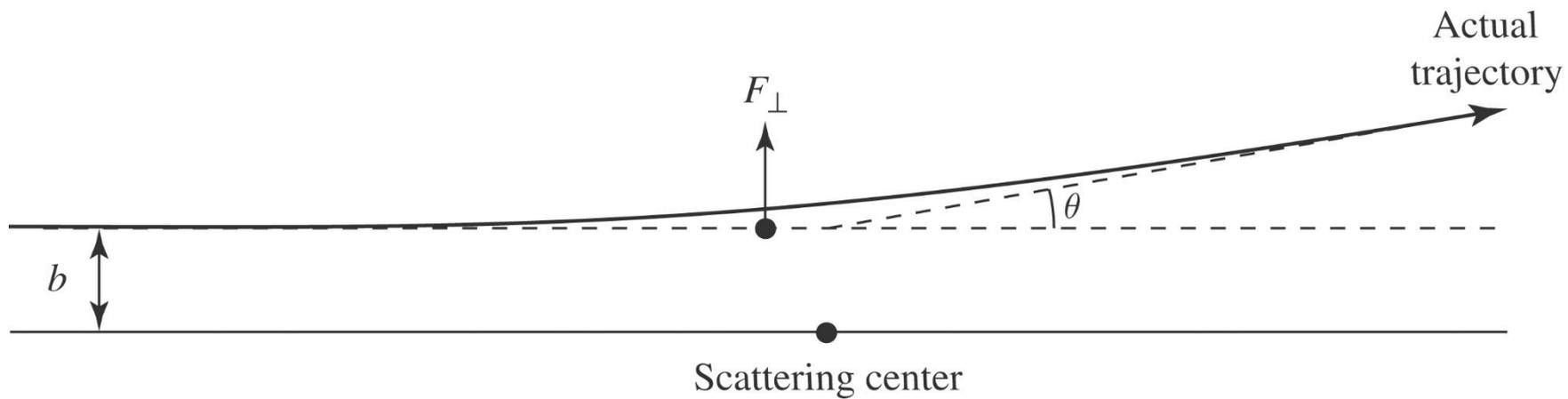


(b)

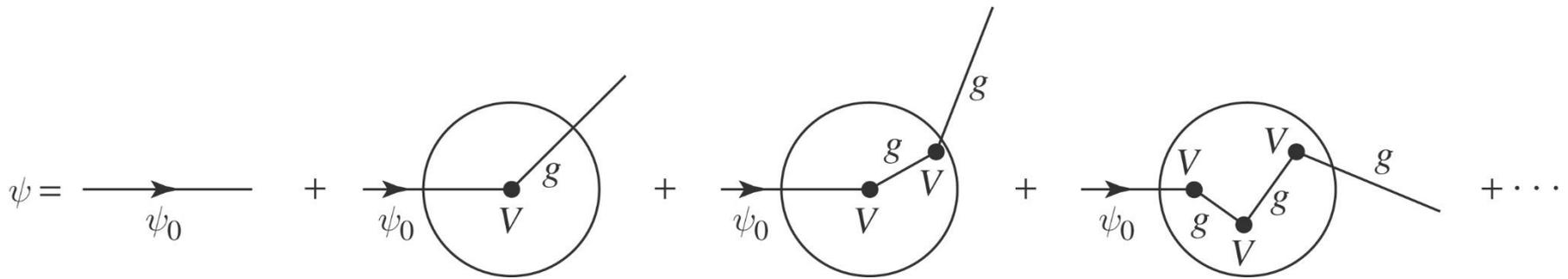
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_10



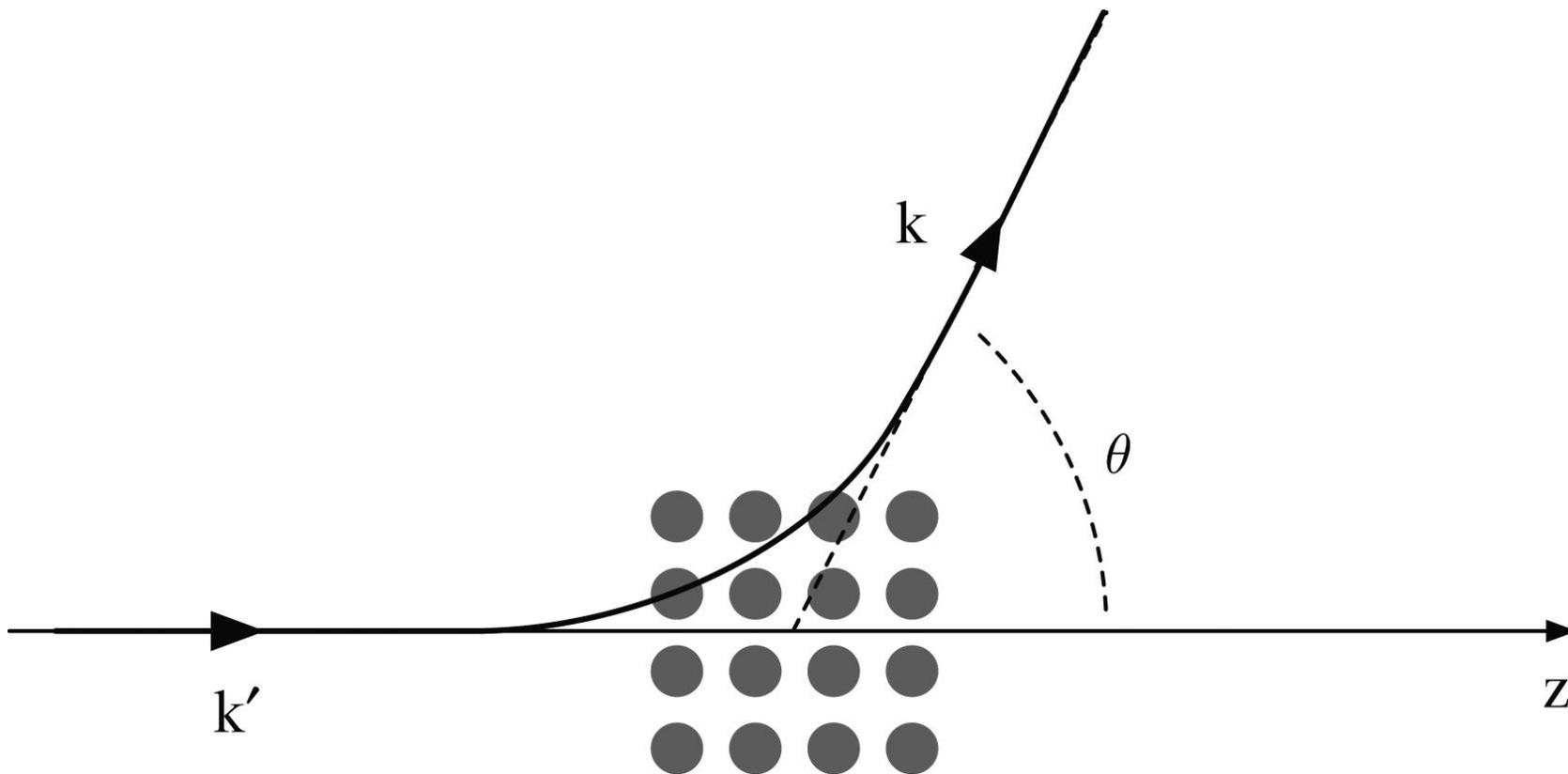
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_11



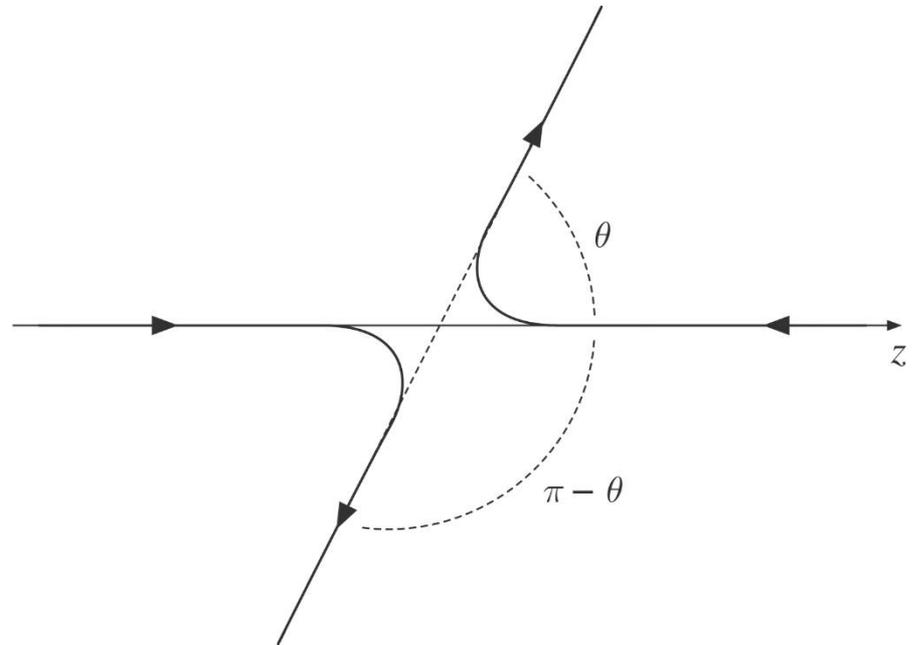
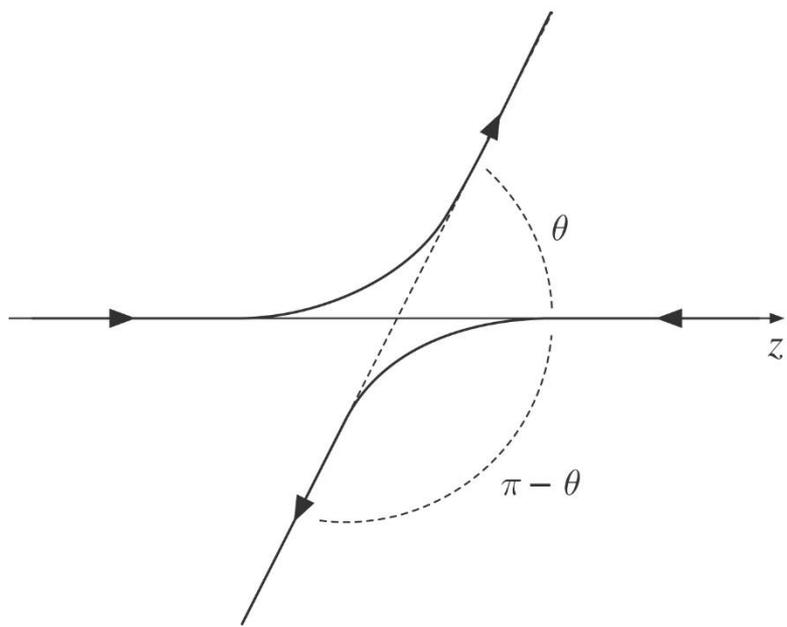
DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_12



DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_13



DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_14



DAVID J. GRIFFITHS & DARRELL F. SCHROETER_fig. 10_15

$$h_0^{(1)} = -i \frac{e^{ix}}{x}$$

$$h_1^{(1)} = \left(-\frac{i}{x^2} - \frac{1}{x} \right) e^{ix}$$

$$h_2^{(1)} = \left(-\frac{3i}{x^3} - \frac{3}{x^2} + \frac{i}{x} \right) e^{ix}$$

$$h_0^{(2)} = i \frac{e^{-ix}}{x}$$

$$h_1^{(2)} = \left(\frac{i}{x^2} - \frac{1}{x} \right) e^{-ix}$$

$$h_2^{(2)} = \left(\frac{3i}{x^3} - \frac{3}{x^2} - \frac{i}{x} \right) e^{-ix}$$

$$\left. \begin{aligned} h_\ell^{(1)} &\rightarrow \frac{1}{x} (-i)^{\ell+1} e^{ix} \\ h_\ell^{(2)} &\rightarrow \frac{1}{x} (i)^{\ell+1} e^{-ix} \end{aligned} \right\} \text{for } x \gg 1$$