

Figures for Chapter 1

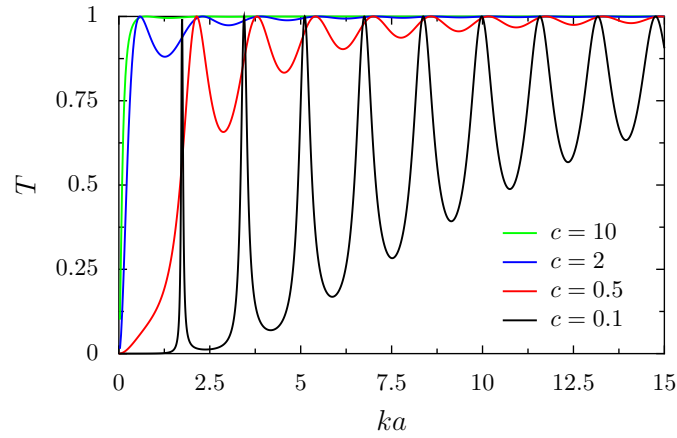


Figure 1: Transmission coefficient for a double δ -well separated by a distance $2a$ and with strength α as a function of ka , with $k = \sqrt{2mE}/\hbar$ (*cf.* Problem 1.1). In the figure, $c = \hbar^2/2ma\alpha$.

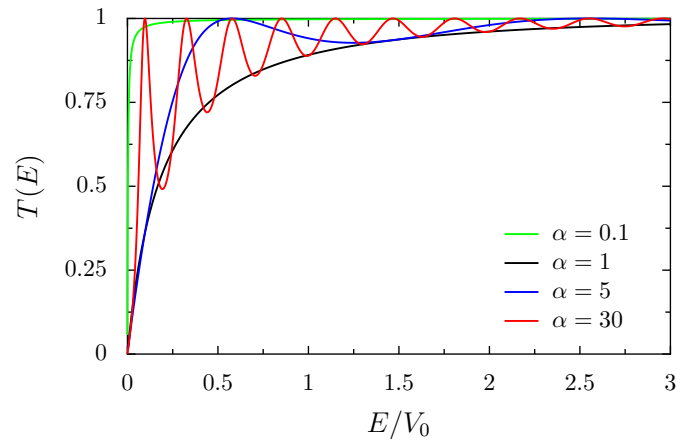


Figure 2: Transmission coefficient as a function of energy for a rectangular well of depth V_0 and width $2a$ (*cf.* §1.3.2 of the lecture notes). The parameter $\alpha = 2a\sqrt{2mV_0}/\hbar$.

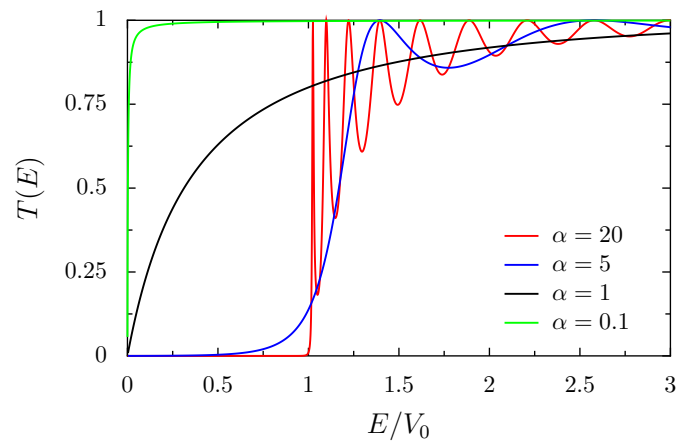


Figure 3: Transmission coefficient as a function of energy for a rectangular barrier of height V_0 and width $2a$ (*cf.* Problem 1.3). The parameter α is the same as in Fig. 2.