

Consider a particle with mass m with a potential energy:

$$V(x) = \begin{cases} V_0 & x < -a \\ 0 & -a \leq x \leq a \\ V_0 & a < x \end{cases}$$

With your group on a whiteboard, solve the energy eigenvalue equation for the region you are assigned.

Solution

Missing /var/www/paradigms_media_2/media/FiniteBoundsol1.png

Missing /var/www/paradigms_media_2/media/FiniteBoundsol2.png

Missing

/var/www/paradigms_media_2/media/FiniteBoundsol3.png Missing /var/www/paradigms_media_2/media/FiniteBoundsol4.png