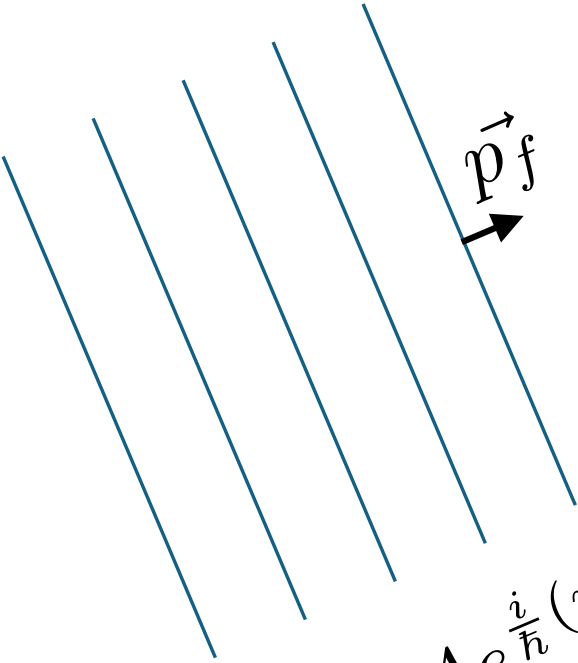
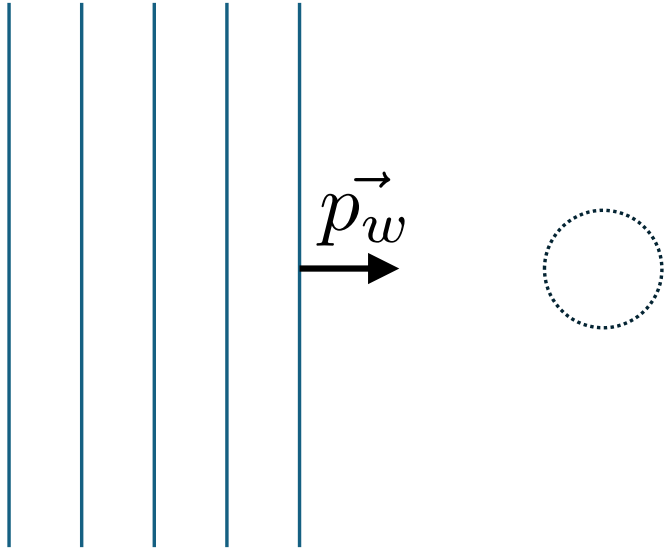


$$\Psi_i(t, \vec{r}) = A e^{\frac{i}{\hbar} (\vec{p}_w \cdot \vec{r} - E_i t)}$$



$$\Psi_f(t, \vec{r}) = A e^{\frac{i}{\hbar} (\vec{p}_f \cdot \vec{r} - E_f t)}$$