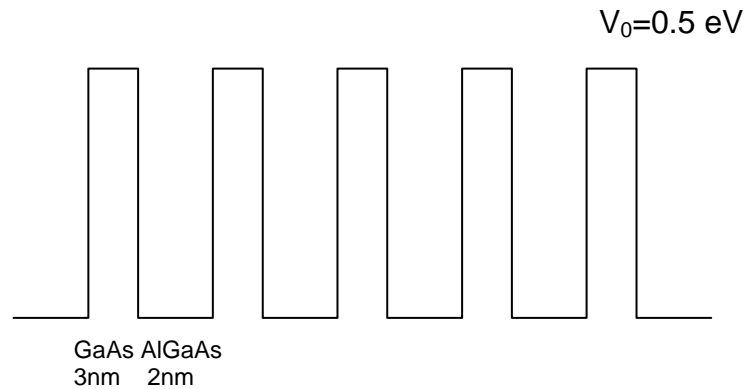


Applied Quantum Mechanics
Homework #6, due Mon Feb 18, 2008

A superlattice of AlGaAs/GaAs consists 5 periods of 2nm AlGaAs and 3nm GaAs layers.



To demonstrate the minibands formation in this SL, write a MATLAB code to plot the electron transmission probability versus energy, $T(E)$. Assume the effective mass of electron is similar in all regions and is equal to $0.063 \cdot m_e$.