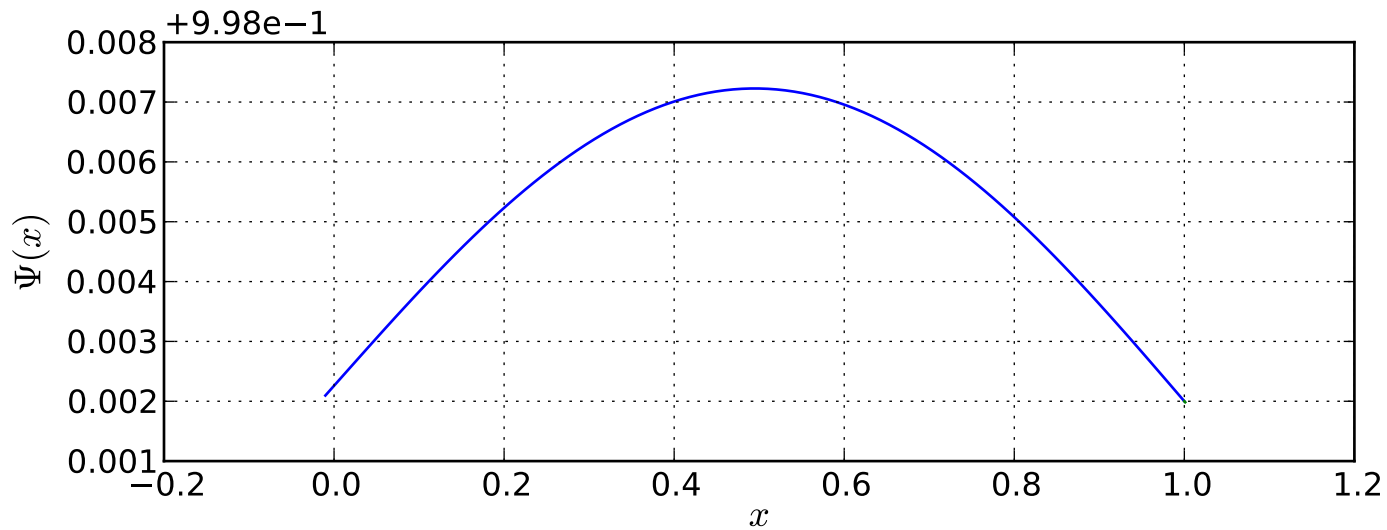Eigenstates of the harmonic potential well for c = 0.1