

Summary

Particle in a finite square well potential

- Solving boundary conditions:
You'll do it with a computer in lab. We described it qualitatively here.
- Particle can “leak” into forbidden region.
We'll discuss this more later (tunneling).
- Comparison with infinite-well potential:
The energy of state n is lower in the finite square well potential of the same width.
We can understand this from the uncertainty principle.