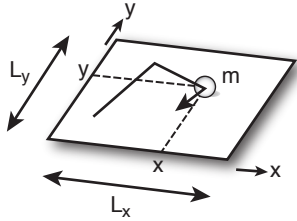
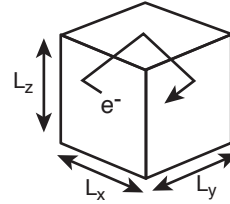


More dimensions:

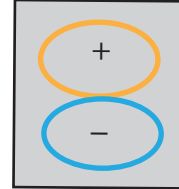
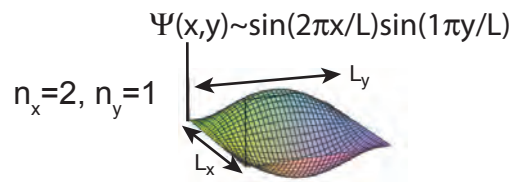
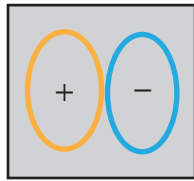
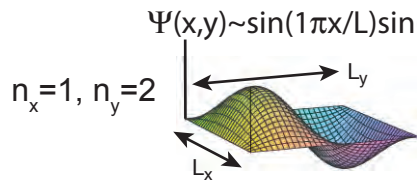
Particle in a 2-D box  
(surface)



Particle in a 3-D box



The first excited state in a 2-D box is doubly degenerate:  $p_x$  and  $p_y$  orbitals!



More dimensions:

Molecule vibrating and rotating on a surface

