

Semiconductor Quantum Dots

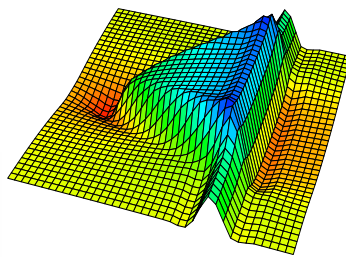
Hole States

Potential Offsets

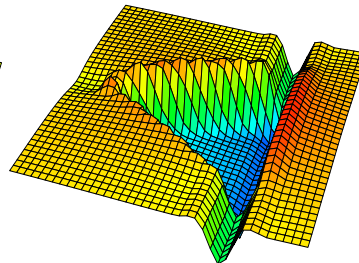
Electron States



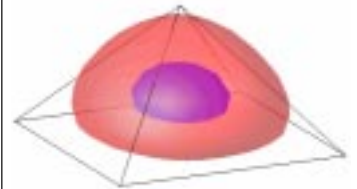
VBM



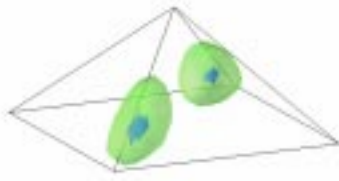
Heavy Hole



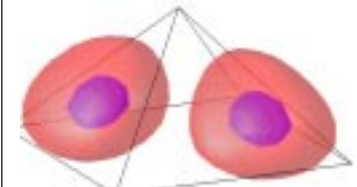
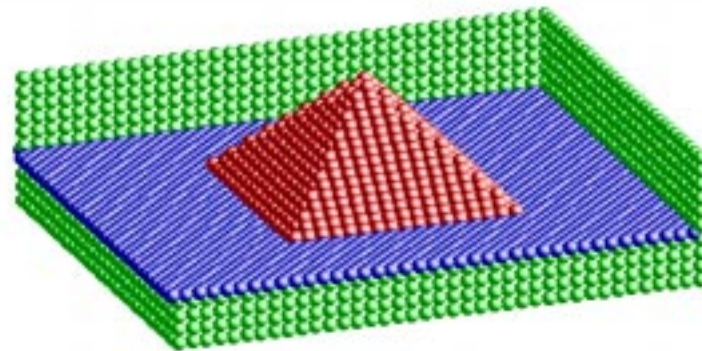
Conduction Band



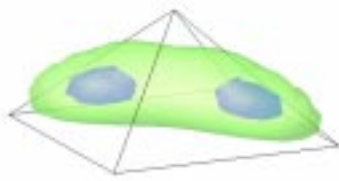
CBM



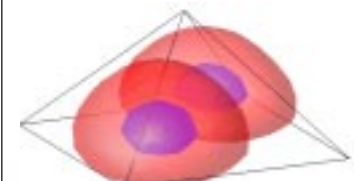
VBM-1



CBM+1



VBM-2



CBM+2



VBM-3



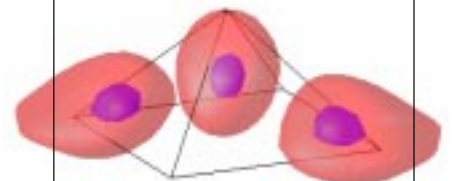
InAs Pyramid



InAs Wetting Layer



GaAs Matrix



CBM+3