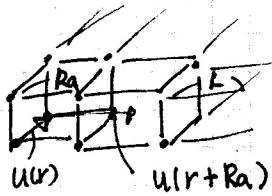
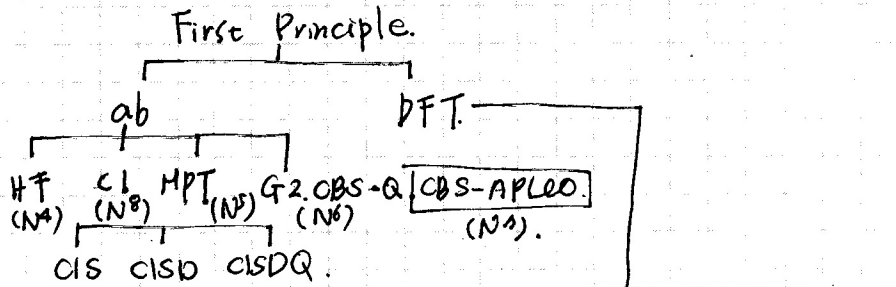


magnetic field ↗ 관련 있음.
 " dipole

$$E_m = \int b(r) = m(r) dr.$$

Generalized spin dependant.
 DFT

Solid



→ 벡터의 주기성

$$\left[-\frac{\hbar^2}{2m} \nabla^2 + u(x) \right] \phi(x) = \epsilon \phi(x)$$

$$\int dk e^{i \frac{2\pi}{a} k x}$$

k: system size.

$$\int \frac{1}{h} C_n e^{i \frac{2\pi}{a} n x}, G = \frac{2\pi}{a} n$$

$$= \int \frac{1}{a} C_G e^{i G x}$$

$$C_G = \frac{1}{a} \int u(x) e^{-i G x} dx.$$

<Block Theory>