

(/ = A



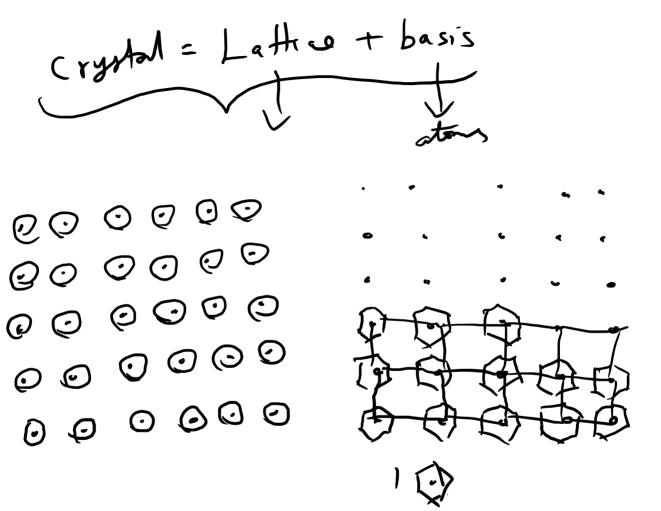


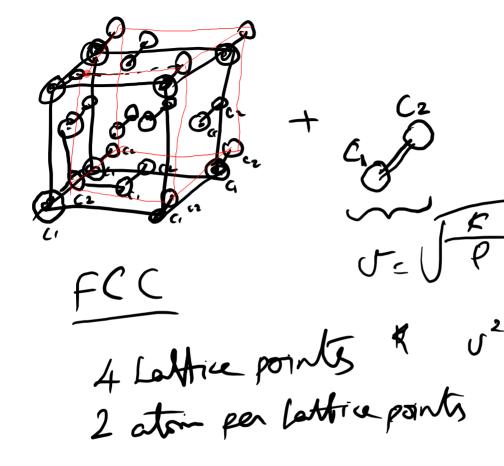


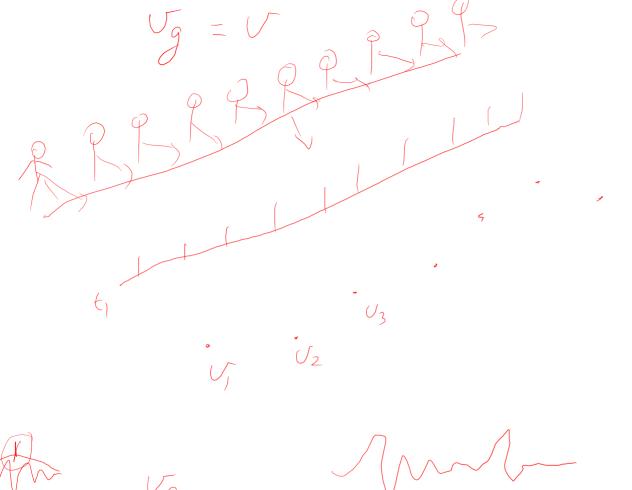


Seg Fe Inste 6.023×10

Me= 56 5.023x183







$$U_g = \frac{dw}{dk}$$

$$w \propto k$$

$$W \times K$$

$$W = C \times A$$

$$\mathcal{L}(k)$$

Y= Sinw, + + Sinvi

+ Sin + Bin

Ug = K AU + U FR

Ug = Jp + K dt

$$V_g = V_p + k \frac{\partial V}{\partial k}$$

$$= V_p + k \frac{\partial V}{\partial k} \frac{\partial X}{\partial k}$$

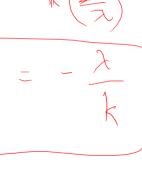
$$\lambda = \frac{2\pi}{k}$$

$$\frac{d\lambda}{dk} = -\frac{2\pi}{4^2}$$

$$\frac{dx}{dx} = \frac{dx}{dx} \left(-\frac{x}{x} \right)$$

$$V_g = V_p + k \frac{dv(-\lambda)}{d\lambda} \frac{dk}{d\lambda}$$

$$\int_{S} \int_{S} \int_{S$$



$$\frac{dw}{dx} = Ak C$$

$$\frac{dw}{dx} = v$$

