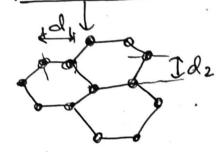


## 1) Electron difforaction -

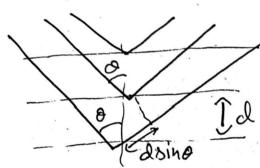
> = h > particles have var naire hature in addition to their particle persperties.

Experimentally Domonstrated by Davison-Germer. using nickel outlal

We use gor poly coastalline graphite.



When electrons hit the atom, they diffract. We allow monoenergetic clectrons.



Bocago's Conditions

What we masure as the interference pettern is the personality.

We use teranomission method.

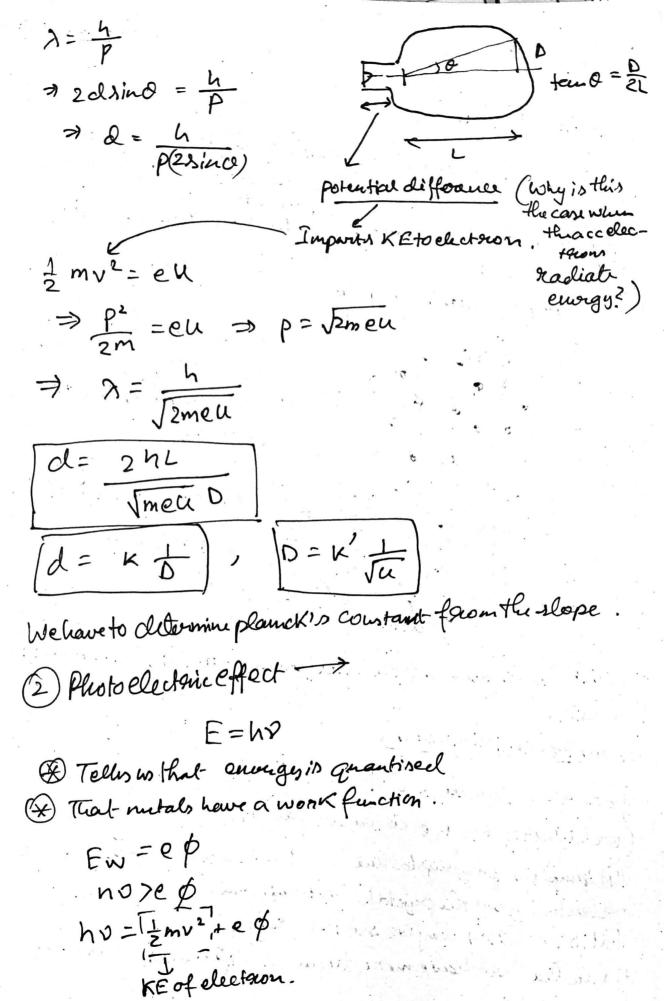
for n=1, we see a dot.

forhighern, we se e circular foireger.

Tu samplis polyonystalline - there are ale possible orientation sof the orystal - not aniform.

That is the sceason why we see the franges.

formulia that have more than 2 différent des, Hureaux mone circles.



Usual photocorrecut graphs

3) FgrankHertz ->

Atoms court readiation at discrete frequencies.

9 velocity of light -> Nextweek