**Resultados y Cálculos**

Entre placas verticales (1ra fase) Mov en X

Tiempo entre placas = L/Vrayo

E = V/d ; Fe = |q|\*E = ma

ma = |q|\*E = |q|\*V/dv

ax = |q|V/mdv ; xf = 1/2|q|V1/mdv\*t^2 y vx = |q|V/mdv\*t

Voltaje Maximo

dv = l = 0.1m; Vrayo = 6.5\*10^6 ; q = e ; m=9.1\*10^-19

tiempo = (6.5\*10^6/0.1)^-1 = 1.53846\*10^-3s

amax = Vmax : Δx =dv/2

Δx = Vot \*1/2at^2 = Δx/t^2 = a

Δx/t^2 = |q|V/mdv = Δx\*mdv/t^2|q| = Vmax

Vmax = dv^2m/2|q|t^2 = (0.1)^2\*9.1\*10^19/2\*1.6\*10^-19t^2 = 1.2015\*10^14V

Vmin = -Vmax = -1.2015\*10^-1

Espacio entre pv y ph (2da fase)

Duh = 0.05m;t=0.05m/(6.5\*10^6m/s)

Vx = at = t(|q|V/mdv)

Velocidad Constante

Xf = Xo + Vxt

Entre placas horizontales (3ra fase) mov y, mov x

Y tplacas = L/Vrayo ; t3 = t1

Xf = Xo + Vxt3

Yf = 1/2|q|V/mdv\*t^2, Vy = |q|V/mdv\*t3

De placas horizontales a pantalla

T =

Yf = 1/2|q|V2/mdv\*t|q|V2, Vy = |q|V/mdv\*t^3

Movimiento Total

Eje X:

X = 1|q|V1/2mdp t1^2 + Vxt2 + Vxt2 + Vxt3 + Vx\*t4

x = |q|V1/2mdp t1^2 + Vx (dnp + L + dvn)/Vrayo

Eje Y

Y = 1/2|q|V2/md\*t3^2+Vyty = 1/2|q|V2/mdp t3^2 + Vgdhp/Vf