In = current decirety of [kgm-25-1] [Electric field, scaled pot.] for = vapour claricaly [Rg m-3] In = - Uge [Fichs law] (2) Use gauss' divergence theorem: de = 1 Ju ds der >0 - otherine in would be gran E - 78V Consider iez ongtal in a vapour tield, git x, y, z) i £ 2 Volume of dryyhad The mass growth rate: The moss growth of XIM Continuity of vapors: 25° = - 7° 3° = 36 du let enstal Ce = electrosfatic cap.

Vos = potential @ on surface.

Vs = potential on surface. Pobulial of capacitor = change / Capacitones Ce = 4TGC as we don't need to (VS-VS) = 4TC (for - P.) 1. ds = (e (fo-9s) Reall we found for a drop:

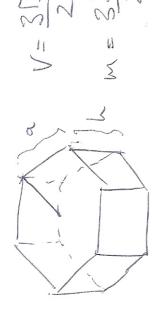
C for hexagond plate = 2a

we can wite (For ony stal):

dm = 4TC (Si-1)

de ((T,P).

don = (Tra (Po-Ps)



m = 313 ar h. p. V= 313 a2 h

8; = 920 Equ-3

lage of variable: due = 313 x /a lesi da

352 x Lg; da - 4x x x 2x S;

B(T,P) h Rda

D D a(t)= a + 8 (g. R)-15; t 8 x Si 313 g: R(T,P)

How long would it take for a drap to grow from Sx10 6m to 1×10-3, Me - Example: in a supercolled doud with Se = 0.02 (se = 1.02) &

How long would it take as ice crystal to grow how 5x10-6m to 1x10-3m?

Take gold (T,P) = 2.6+10-11 m25-1 tale: T=258K, P=900 NPa

8=(B(T,P) = 2.4×10-11 m25-1

ratio of Up: ee(T) = 1.15 30 8i = S.x (-15= 1.02 x 1.15 = 10.1720. Si = 0.173

Drop growth egs

a(t) = 1 a2 + 2(ged)-15et

(is growth cold

a(t) = ao + 8 (p; p) 1/2; t

tice = 22 3 0 10 mins! => t drap = 9-6×1055 or (1 days