1) E= ( Qri, cea (1) region ] 1) regim I: continuos distribution BBC, CSa (2) region I of Cherry El wally distributed througher the sylven uniformly charged John a) or = B when c=a F = Q 1/2 Q = do2 b) region I: E= du Volum = 4 ar3 0 = dd.3 1 203 = 3d d) 2f=ma=fe=(e)E V=-didr towns the center C) Nux 15 domin (=0 1 m V max = q V. (2) regular potentia Many Att charp are more attracted tous the daser and (-) chang ar alsome towards a the election executes SHM region II: V=- JE-dr from a to -a shrough the Centr, In the ration divetor. g) yes, it gets all the way to the often side ble of coordin COE

Cumulatyle 2

E1) I to equipotential (mr. c) AV-10V Es radially ontwood or jume (1) KE--DIES g DV = 10U (10"C) from the ocisin for both eletting par ten become Voltag incomes is r. warm, Vis pt, 50 ch chances world have more potential ewy the form the get, is the ay work al attrabed to my the origin. the E points mially towards the -11.414 x106 m/s grotan: N= [ a+ (c), V= - Ex (21000) M.478104 E- Y - 20 V - (10 P d, -0 both towns the origin. for the electron, it away from the certir obe reaton vill stay in plan. the cento.

8-1 8-6 15 coco 4) a) grav. field pouls toursel at (c): V-RE g-V a) who 1-10, 80= 2 P: 9- 7-303/4 - 10 mgs) b) otr-ro, F=qxBsmA = 9,00 BC0 No (4 towns b) | the orign. -- e No pro = Ma flu censor a-- evopro a DLE: - APE- MV = 10 3/4 - M perpodicular to the 1) eluction: 4/2- (103/2) (10-18 4) Velocity of Vorest - No 9 i) the electron takes an allighted ochit with the more region 1) eleton: N- (Tue - \(\frac{2(0^{-\mathred{m}}\_3)}{(0^{-3\delta})} 95 -N profun ly neutur- V- [vie - [100kg])