

SdE = (42 k Adx (23-x8) = th (25(42 dx )2) X=2ton0 dx=2secrodo xdx=22ton0 socrodo E=kk(2202 75000000 2)=kk(\$2 (02 5000000)2)=kk(\$2 (02 5000000)2) See 0 = K/ 2 (02 cosodo) = K/ 2 (Smb 102) Sin01= -42 Sin02=42 = K/2 (42 + +1/2) 2 (22+12/4)/2 (22412/4)/2) Louis Low & E. 20 = Ocac E(da = AL 6 (do= 40 2 cos 02 Z 6 (22 HZ/4)/2: E (UB 2 COSD 2) = L E = 1 (COSD 2) = L GREGO COSO = C3713/43/12 Z E=KN-2 (2+13/4)2

22 two plans of t choop field pt between pble I all - 4 no blogs of change 1 + and 1 the other occupying x2 place, and field pt is 12 place would have electric field going in 4 days

3.1) show that - (B. E. d] = VCB) - V(2) -(b E .d Z = (0 E .d Z - (b E .d Z = So E. di - So E. dL Ne know V(3) = - ( £, 2) 1 (214 COV = 0 COV + COV - = 00 3.2) Petam Integral to Find the potential formula N(4) = - ( E(1, )91, = ( T 8 4) 91, - 9 ( de = -9 (-1) 4116, 200 12 = -9 41160 (-1) = K9 /