

dy = 0 (271 x) de

For 10 or tich -> 10. or (21x)dx sixfac duyor de le Janx) de => E= (ale =>) = tres (cerex) de) =/ (=2 + x2) 3/2 ま、 でき り (マンナスン)ル =) (スマナモン) who 12 -30 En-) Total F22712; 0.(2-14) 9) == kr3? (Cspherical coor.) da = righted day i D.E = P =) da (7, k, 3 +) - 80 = p (1/2.3/8 (2. Kr3)). Eo = p 1/2 /2r(r5) E = P /58. K,2 2 P

B= 1=3°, p= 590/cr Jida-Qz EJda-Q Q= 80.(411 12)(1cr)

Q= 411,5 KE61 da = pd2= \$ & k, 2. (417, 201)

R = pr Seo K-4 45 dn = , 45 Eok (18, 4 dn OPQ= UT rSEK 12) == = 7 Gauss's Law De uniforming theme sphere Eur PV É da = gene 2 P (4/5 TTr?) E = 411/(2) R= 1/2/x. (P. 4/2 Trx) - P= Proj

P: Uniform volume density , (5 (a) inner cylinder Proe = [pdt = unice] Blds = DE de Vonc = 2/7 11/6/53 da=(2+158) E= 21701575 E = 11795 3 (ac54b E= 9 enc - P(Tri)!

80 (da) - E0 (2751) = p(Ta2)/ () (seb)

18) uniform volume change dessities 1 (r=0) from (sphre 1)

Ry = Pr - 1

3 20 From An: p (r-d) (sphr v) ETOTZ E, + E, = 1 (+-++a)= / d