

3) Chazo manpamen. E(n) u D(n) surop us. cuenque. D que surein gussecopencol  $\overline{D} = \mathcal{E}_{\mathcal{E}} \mathcal{E} \overline{E}$   $\overline{E(r)} = \frac{Q(R^3 + r^3)}{\mathcal{E}_{\mathcal{E}} \mathcal{E}} = \frac{Q(R^3 + r^3)}{4\pi r^2 \mathcal{E}_{\mathcal{E}} \mathcal{E} \cdot 2\mathcal{E} \cdot R^3}$ E(r) = 4, (R3+r3)
4.28 Tr26, ER3 U=q(B)-q(Ro) = SE(r)dr = A(R3.1 Ro +2 Ro)=A(-R3(1-1)+R0-B2)=A(-R3(1-1)+R0-B2)= = AR 28 = 9 28.4. TIEOR3 R2. 28 = 9 24 TEOR  $\frac{1}{2} \int_{-\infty}^{\infty} \int_{-\infty}^{\infty}$ -1=27 R3-13 B=E-1=28A3 P=E 27(R33R3+r3 -1 = 27.3(R3-r3)U.E.
14 r2 R2 = 14 · r2. R2

6) 0; = P(A)=0 6) •  $G_1' = P(R) = 0$ •  $G_2' = P(R_0) = \frac{27 \cdot 3 \cdot (R^3 - 27R^3)}{14 \cdot 9 \cdot R^2 R^2}$   $= \frac{27 \cdot 3 \cdot (-26)}{14.9 \cdot R}$ 7) div P = - 9' => div P = 1 0 ( 2 P(N)) = 1 (27.3(B3-13)UE) = 1 14B2 = 27.3 UEo (-3 n2) 1 = -27.3 UEo
14 R2 (-3 n2) 1 = -27.3 UEo · 0'= 27.9 UE.  $C = \frac{9}{4} = \frac{24\pi\epsilon_0 RU}{U}$ · C=2418.B 2 R2 E(r)

1. Доказать электроней раньиссть 2. Hapucobars anobre mum c greran ngorossi u Han pablebull Downer Banahara: SpidV + SodS=00 5 27 11 E. 9 27 rd n 1 5 27.31-26). U.E. 24dr= = 27.9 U. E. 27 Srdr - 27.3.26 tre 20 70 Color-14A2 Breijsa 14.9A Breijsa 21R = 27-91/20, 26A, 7-27-3261/20 25A = 0 >> 14.34 - 14.34 = >> DUNT POLICY