## · Aaryon 1

· 
$$\Gamma_{10}$$
  $Q_{A}=0$ ,  $Q_{2}\neq0$ ;  $\psi_{1}=\frac{Q_{2}}{4n\varepsilon_{0}c}$ ,  $\psi_{2}=\frac{Q_{2}}{4n\varepsilon_{0}c}$ 

• Fix 
$$Q_2 = 0$$
,  $\Phi_1 = \frac{Q_1}{8n600^2} - \frac{Q_1Q_1}{4n600^2} + \frac{Q_1}{4n600^2}$ ,  $\Phi_2 = \frac{Q_1}{4n600^2}$ 

$$\frac{6}{8}$$
  $\frac{1}{8}$   $\frac{1}{8}$   $\frac{1}{8}$   $\frac{1}{8}$   $\frac{1}{4}$   $\frac{1}$ 

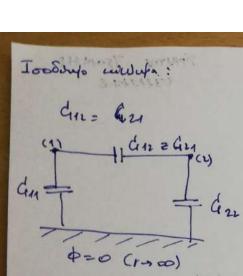
$$\hat{P} = \begin{pmatrix} \frac{1}{8ns\omega} - \frac{\alpha}{8ns\omega} + \frac{1}{4ns\omega} \\ \frac{1}{4ns\omega} \begin{pmatrix} \frac{1}{2\alpha} - \frac{\alpha}{2b\nu} + \frac{1}{2\omega} \\ \frac{1}{2\alpha} \end{pmatrix}$$

$$\tilde{c} = \tilde{p}^{-1} = \frac{2\pi \epsilon_0 o}{b^2 - a^2} \begin{pmatrix} 4b^2 & -4b^2 \\ -4b^2 & \frac{2cb^2}{a} - 2ac + 4b^2 \end{pmatrix}$$

$$Aps$$
,  $C_{11} = \frac{8n \cos b^{2}}{b^{2}-a^{2}}$ ,  $C_{12} = \frac{8n \cos ab^{2}}{a^{2}-b^{2}}$ 

$$C_{12} = \frac{20806}{b^2 - a^2} \left( \frac{2cb^2 - 2a^2c + 4ab^2}{b^2 - a^2} \right)$$

$$421 = -(11 = 806 ab^2)$$
,  $422 = 406 (cb^2 - 32) = 406 (cb^2 - 32)$ 



Orist, to Gin, Giz Sa subsaffan orga Kregnisiya valis o alisas 1-angepa Give avagranus ufitos, ons 6+4=0 (C·V=q x cdv = J 42 J=0)

Au apaipa exh uoizingia sist:

· Po Q1=0, En migrase copris ono so poloio organ resipo diosi E=0.

· pa Q2=0, oni norm - o Q1 Briman organ my millioner 743 opolos (4). xolop.)

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Armon 1] a) To acreb: Offerter 2 sind dodg = O1 =) 40 En - 13 ( En = Q1 =) · Fia roc: /Era = 9180 . 100 Organias arappa ao rotos \$1) = \ \( \xi\_{\text{2r}} \dr = \frac{Q\_1 + Q\_2}{4 \pi\_{\text{2r}}} = \frac{1}{4 \pi\_{\text{2r}}} \Q\_1 + \frac{1}{4 \pi\_{\text{2r}}} \Q\_2 · \$1(r) = ( Eardr + ( + Cardr = algo ( - 1 ) + Q++Q2 = = 800 r2 - 800 b2 + 9000 = Apa V1= \$\Prical= [ \frac{a}{8\pi\cdot 2 + 4\pi\cdot 2 - \frac{a}{8\pi\cdot 6 p^2}] Q1 + \frac{1}{4\pi\cdot 6} \cdot Q2 V2 = Pacc) = 4 1 Q1 + 4 4 4 4 ACC Q2 Apa o rivarias  $p = \left(\frac{a}{6\pi\epsilon_0}\left(\frac{1}{a^2} - \frac{1}{b^2}\right) + \frac{1}{4\pi\epsilon_0}\left(\frac{1}{4\pi\epsilon_0}\right) + \frac{1}{4\pi\epsilon_0}\left(\frac{1}{4\pi\epsilon_0}\right)$ B)  $\vec{c} = \vec{p}^{-1} = \frac{1}{\det(\vec{p})} \begin{bmatrix} \frac{1}{4\pi\epsilon_0} & -\frac{1}{4\pi\epsilon_0} \\ -\frac{1}{4\pi\epsilon_0} & \frac{1}{8\pi\epsilon_0} & \frac{1}{6\pi\epsilon_0} \end{bmatrix} + \frac{1}{4\pi\epsilon_0}$  $= \frac{(4\pi\epsilon_0)^2}{3\epsilon(\frac{1}{4\pi} - \frac{1}{6\pi}) + \frac{1}{6\pi} - \frac{1}{6\pi}} = \frac{1}{4\pi\epsilon_0} \left( \frac{1}{4\pi} - \frac{1}{6\pi} \right) + \frac{1}{4\pi\epsilon_0} \left( \frac{1}{4\pi} - \frac{1}{6\pi} - \frac{1}{6\pi} \right) + \frac{1}{4\pi\epsilon_0} \left( \frac{1}{4\pi} - \frac{1}{6\pi} - \frac{1}{6\pi} \right) + \frac{1}{4\pi\epsilon_0} \left( \frac{1}{4\pi} - \frac{1}{6\pi} - \frac{1}{6\pi} \right) + \frac{1}{4\pi\epsilon_0} \left( \frac{1}{4\pi} - \frac{1}{6\pi} - \frac{1}{6\pi} - \frac{1}{6\pi} \right) + \frac{1}{4\pi\epsilon_0} \left( \frac{1}{4\pi} - \frac{1}{6\pi} - \frac{1}{6\pi} - \frac{1}{6\pi} - \frac{1}{6\pi} \right) + \frac{1}{4\pi\epsilon_0} \left( \frac{1}{4\pi} - \frac{1}{6\pi} -$ 

