

$$Q = V_{10} = V_{1}, \quad N_{20} = 0 \implies M_{1} = \frac{1}{3}V_{1}, \quad V_{21} = \frac{4}{3}V_{1}$$

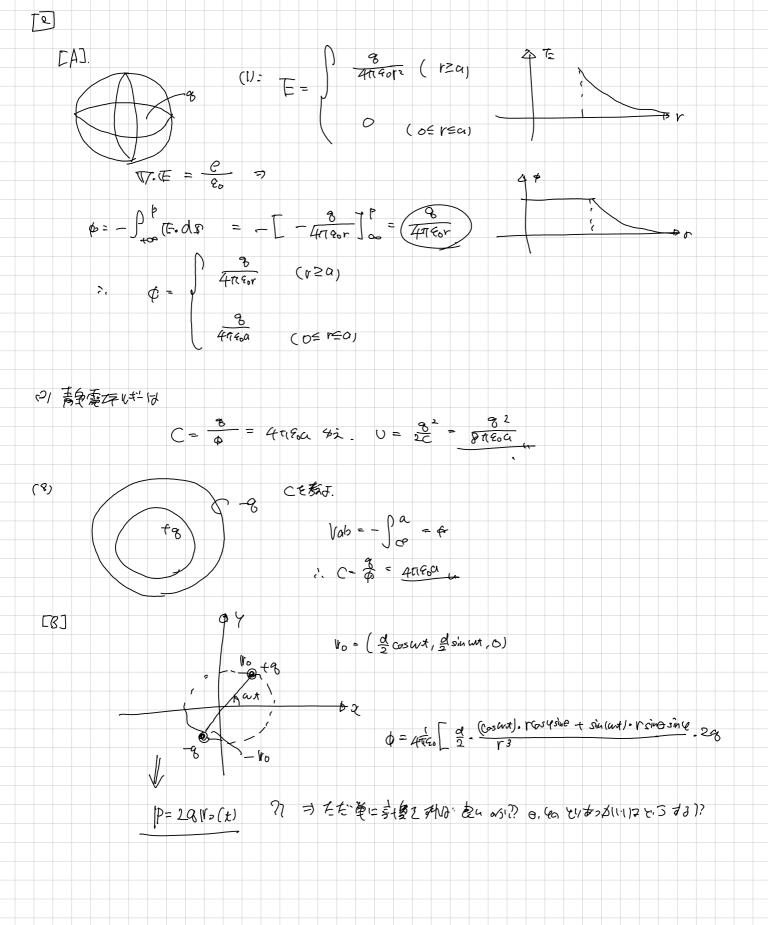
$$Z \neq (d^{2} + \frac{1}{3}) = 0, \quad M_{1} = \frac{1}{3}V_{1}, \quad M_{21} = \frac{4}{3}V_{1}$$

(1)
$$\begin{bmatrix}
5 & 0 & (rca) \\
8 & ar \\
4710^{7} & 7^{2} & (r>0)
\end{bmatrix}$$

(2)
$$\phi = -\int_{\infty}^{r} |F| dr = \sqrt{\frac{9}{4\pi\alpha}}$$

$$U = \int_{\infty}^{0} \int_{0}^{1} \frac{g'}{4\pi \epsilon_{0}} \cdot \frac{1}{r^{2}} \cdot \frac{dg'}{dr} = \frac{g^{2}}{8\pi \epsilon_{0} \sigma^{2}} + \frac{g^{2}}{4\pi \epsilon_{0}} = \frac{g^{2}}{4\pi \epsilon_{0} \sigma^{2}} + \frac{g^{2}}{4\pi \epsilon_{0} \sigma^{2}} = \frac{g^{2}}{4\pi \epsilon_{0} \sigma^{2}} = \frac{g^{2}}{4\pi \epsilon_{0} \sigma^{2}} + \frac{g^{2}}{4\pi \epsilon_{0} \sigma^{2}} = \frac{g^{2}}{4\pi \epsilon_{0} \sigma^{2}} + \frac{g^{2}}{4\pi \epsilon_{0} \sigma^{2}} = \frac{g^{2}}{4\pi \epsilon_{0} \sigma^{2}} + \frac{g^{2}}{4\pi \epsilon_{0} \sigma^{2}} = \frac{g^{2}}{4$$

OD
$$\int_{V} \frac{1}{2} \mathcal{E}_{0} F^{2} dV = \int_{a}^{bo} \int_{0}^{2\pi} \int_{0}^{TL} \frac{1}{2} \mathcal{E}_{0} - \frac{3^{2}}{16\pi^{2}a^{4}} \cdot \frac{1}{r^{4}} \cdot \frac{1}{r^{2} \sin dody dr}$$



(1) $G(p) = (2\pi), \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} G(v) e^{-z[p-v]} dv$ $G(v) = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} G(p) e^{z[p-v]} dv$

 $(\Delta + (\kappa^2) \widehat{G}(P) = (2\pi)^3 \iiint (\Delta + \kappa^2) G(W) e^{-\frac{\kappa}{2}\widehat{P} \cdot W} + G(W) (-\frac{\kappa}{2}P + \kappa^2) (e^{-\frac{\kappa}{2}P})^{(k)}$

 $= (2\pi)^{3} \cdot \left[-1 + (-p^{2} + (e^{2}) - \widehat{G}'(0)) \right] = \widehat{G}'(0)$

-(+(-1p2+k2) D= 873 5 (1)

Q(P)= = =1 843+p2-62

:. 6(1) = SSS = -(873+p2+2 e2p.11 d1)

[2].
$$P = 2a_1 n_0 = 8d(cowx, sin wx, o)$$

$$\phi(v, x) = \frac{1}{4n \epsilon_0} \left[\frac{P(x-v_c) \cdot e_0}{v^2} + \frac{|p(x-t) \cdot e_0|}{Cr} \right]$$

$$\frac{(a_1 \cdot v_c) \cdot e_1}{(a_1 \cdot v_c) \cdot e_1} + \frac{(a_1 \cdot v_c) \cdot e_0}{(a_1 \cdot v_c) \cdot e_1} + \frac{(a_1 \cdot v_c) \cdot e_0}{(a_1 \cdot v_c) \cdot e_1}$$

$$\nabla \phi = + \frac{1}{4n \epsilon_0} \left[\frac{(a_1 \cdot v_c) \cdot e_1}{(a_1 \cdot v_c) \cdot e_1} + \frac{1}{4n \epsilon_0} \frac{(a_1 \cdot v_c) \cdot e_1}{(a_1 \cdot v_c) \cdot e_1} \right]$$

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$$\begin{array}{c} (k^2 + \Delta) \stackrel{\sim}{G} = (\frac{1}{2\pi i})^3 \stackrel{\sim}{\longrightarrow} \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} (k^2 + \Delta) \stackrel{\sim}{G}(y) e^{-\frac{1}{2}k + k} \\ + G(y) (k^2 + \Delta) e^{-\frac{1}{2}k + k} dy \\ = (\frac{1}{2\pi i})^3 (-1 + (k^2 + p^2) \stackrel{\sim}{G}) \\ (k^2 + \Delta) \stackrel{\sim}{\iiint} \stackrel{\sim}{G}(p) e^{+\frac{1}{2}k + k} dy \\ = - \mathcal{G}(r) \\ (k^2 + \Delta) \stackrel{\sim}{\iiint} \stackrel{\sim}{G}(p) e^{+\frac{1}{2}k + k} dy \\ = - \mathcal{G}(r) \\ \stackrel{\sim}{\iiint} \stackrel{\sim}{G}(p) = (\frac{1}{2\pi i})^3 \stackrel{\sim}{p^2 + k} e^{-\frac{1}{2}p + k} \\ \stackrel{\sim}{G}(p) = (\frac{1}{2\pi i})^3 \stackrel{\sim}{p^2 + k} e^{-\frac{1}{2}p + k} \\ \stackrel{\sim}{G}(p) = (\frac{1}{2\pi i})^3 \stackrel{\sim}{p^2 + k} e^{-\frac{1}{2}p + k} \\ \stackrel{\sim}{G}(p) = (\frac{1}{2\pi i})^3 \stackrel{\sim}{p^2 + k} e^{-\frac{1}{2}p + k} e^$$

$$C(w) = \frac{1}{4\pi^{\frac{1}{4}}r \cdot \frac{1}{2}} 2 \times 2\pi i \frac{1}{2} \cdot \frac{e^{ikr}}{2} = \frac{e^{ikr}}{4\pi r} / \times$$

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$$C(w) = \frac{1}{6\pi^{2}r} \int_{-\infty}^{\infty} G(w, t) e^{-ikr} dt$$

$$G(w, w) = \frac{1}{2\pi} \int_{-\infty}^{\infty} G(w, t) e^{-ikr} dt$$

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$$C(w) = \int_{-\infty}^{\infty} G(w, t) e^{-ikr} dw$$

$$C(w)^{2} = \int_{-\infty}^{\infty} (u) dw$$

$$C(w)^{2} = \int_{-\infty}^{\infty}$$