- (2)  $\frac{1}{2} \in \frac{S}{d-x} \nabla^2$
- (3) 電気管量が  $\Delta C = ESV (\frac{4}{3d} \frac{1}{d-x})$  だり受たする.  $\Delta U = \frac{1}{2} \Delta C \cdot \nabla^2$ ,  $Wo = \Delta C \cdot \nabla^2 (\partial \alpha \dot{z}^2)$ . I それだ 保御 S'!.  $W = \Delta U - Wo = -\frac{1}{2} \Delta C \cdot \nabla^2 = -\frac{1}{2} ESV^2 (\frac{4}{3d} - \frac{1}{d-x})$  $Wo = \Delta U - Wo = -\frac{1}{2} \Delta C \cdot \nabla^2 = -\frac{1}{2} ESV^2 (\frac{4}{3d} - \frac{1}{d-x})$

$$\frac{d^{2}3}{dt^{2}} = -\frac{3}{4LC_{0}}\left(Q_{3} + \frac{4}{3}C_{0}\nabla\right)$$

$$\therefore T = 2\pi \int_{3}^{4LC_{0}} \sqrt{2}$$

- (2) コイルの電圧は、2V/ =れと LIO: 平が等いいの2. IO= TL/
- (3)  $\dot{7}:-2$   $\dot{t}=\frac{7}{6},\frac{5}{6}T_{ij}$
- (4)  $E_1 = 3 \cos \nabla^2 / E_2 = \frac{1}{3} \cos \nabla^2 / E_3 = \frac{1}{3} \cos \nabla^2 /$
- (5) 4 //