1. 法打第电及总定文件

$$\mathcal{L}_{1} = -N \frac{d\Phi}{dt} \longrightarrow \mathcal{I} = \frac{2i}{R} = -\frac{1}{R} \frac{d\Phi}{dt}$$

$$dQ = I dt \longrightarrow Q = \int_{t_{1}}^{t_{2}} I dt$$

$$= -\frac{1}{R} \int_{\Phi_{1}}^{\Phi_{1}} d\Phi = \frac{1}{R} (\mathcal{I}_{1} - \Phi_{2})$$

为路:

对 AOB 回路范围 15.--号位:

又のA、のB かまも場をま ⇒ CnA = Cop=の

用 民表的特的场路:

$$2i = \oint_{L} \vec{E}_{k} d\vec{\ell} \longrightarrow \oint_{L} \vec{E}_{k} d\vec{\ell} = -\frac{d}{dt} \int_{S} \vec{B} d\vec{s}$$

8-4

$$\mathcal{E}_{l} = -\frac{d \frac{d}{dt}}{dt} = -\frac{\ln n^{2} z R^{2}}{l} \frac{dT}{dt}.$$

$$=-L\frac{dI}{dt}$$

1. in thing: $\hat{\Sigma}_i = -\frac{d\bar{z}}{dt} = -Blv$

: 2: = \$ Ex · dī = \$ [vx 8 · dī = UB {

L的为商於多数.一般地, 夏文

 $L = \frac{d\Phi_N}{dI}$ 当回路 N 何 刑 狀律持不紊时, $\Phi_N \propto I$, $\eta L = \frac{\Phi_N}{I}$

8 9-3

8 9-2.

1 夏红花场产生中场 - "殿生中场"

$$|\vec{x}\vec{t}|^{\frac{1}{2}} \implies \oint_{\mathcal{L}} \vec{E} d\vec{t} = -\frac{d}{dt} \int_{\mathcal{B}} \vec{B} d\vec{s}$$
$$= -\int_{\mathcal{C}} \frac{9\vec{B}}{8t} d\vec{s}.$$

曲于高级也流越缺,以为电流 如分布在表面

交流从的235征, 求其上.

$$B = \frac{h \cdot 1}{2 \pi r}, \quad S = l \cdot dr \cdot d\Phi = \frac{h \cdot Il}{2 \pi r} dr$$

$$L = \frac{\Phi}{I} = \frac{\int_{R_1}^{R_2} \frac{h \cdot Il}{2 \pi r} dr}{I} = \frac{h \cdot l}{2 \pi} \ln \frac{R_1}{R_1}$$

$$\dot{R} \cdot \dot{R} \cdot \dot{R}$$

 $\begin{aligned}
\Sigma_{i} &= \int_{a}^{b} \vec{E}_{k} \cdot d\vec{\ell} \\
\downarrow^{b} &= \int_{a}^{b} E d\ell \cdot \omega_{i} \cdot \omega_{i}
\end{aligned}$ $= \int_{a}^{b} \frac{r}{2} \frac{dB}{dt} \cos \theta d\ell$

$$\mathcal{R} \quad \omega_{3} \mathcal{Q} = \underbrace{\sqrt{R - \left(\frac{L}{2}\right)^{2}}}_{\mathcal{L}} \rightarrow \mathcal{U} \lambda \mathcal{L} \dot{\mathcal{U}} \mathcal{J}.$$

(湖:(电容+电祭)

 $\hat{\mathcal{Z}}$ ve: $\mathcal{E} = IR + L \cdot \frac{dI}{dt}$ $\rightarrow I = \frac{\epsilon}{R} \left(- e^{-\frac{R}{L}t} \right)$