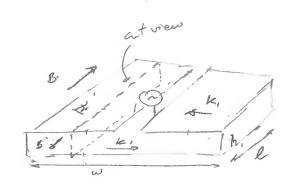
## 9.1 Flux Linkage.

1. Foul Mosester Freed.

lut view



2.

$$\underline{\underline{J}}_{m} = \underline{\underline{I}} L_{i}$$
 $\underline{\underline{J}}_{m} = \underline{\underline{I}} \int_{S} \underline{\underline{B}} ds = \frac{1}{\underline{\underline{V}} e} \frac{\underline{h}_{0} \underline{\underline{W}} (\underline{h}_{i}, \omega)}{\underline{\underline{I}}}$ 

$$\mathcal{E}_{i} = -\frac{h_{0}h_{i}w}{2e}\frac{\partial J_{i}}{\partial t}$$

3.

$$P_{i} = \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^$$

$$A_2 \Rightarrow \bar{A}_2 = D \quad L_2 = \frac{1}{I_2} \int_S B_2 ds_2 + \frac{1}{I_1} \int_S B_1 ds_1 = \frac{1}{1/2} \int_S \frac{1}{1/2} \int_S B_1 ds_2 + \frac{1}{1/2} \int_S B_1 ds_1 = \frac{1}{1/2} \int_S \frac{1}{1/$$

$$H_{1} = \frac{1}{h_{1}} \frac{1}{h_{1}} \frac{1}{h_{2}} \frac{1}{h_{1}} \frac{1}{h_{2}} \frac{1}{h_{2}} \frac{1}{h_{2}} \frac{1}{h_{3}} \frac{1}{h_{4}} \frac{1}{h_{2}} \frac{1}{h_{3}} \frac{1}{h_{4}} \frac{1}{h_{$$

$$= -\left[\frac{\mu_0 w}{e} \left(2h_1 + h_2\right) \frac{\partial I}{\partial t} - \frac{1}{2} \frac{\mu_0 w}{e} \left(h_2 - h_1\right) \frac{\partial I}{\partial t}\right]$$

5. Fleet Curkage:

When current flows though a conclusion, it induces a trujuetre freed wormed to the current direction, pollowing the might hand rule.

This mass we he field can affect other conclustors o vicinits meaning; eventury a link, this link conted by the masuetre field of the original circuit/conductor affects the second arount, changing the voltage, Implicatione, may be feel, and other provided of the second arount/conductor (and one verse). This flow linkage crities a mutual productioned coupling, that can be calculated using Farellay's haw, by integrating the suggeste flex created by the first conductor/ arount, due to the consent in that conductor, over the area of the verse, deconditional conductor or arount.