

ESCOLA POLITÉCNICA DA USP

DISCIPLINA:

CONVERSÃO ELETROMECAÂNICA DE ENERGIA

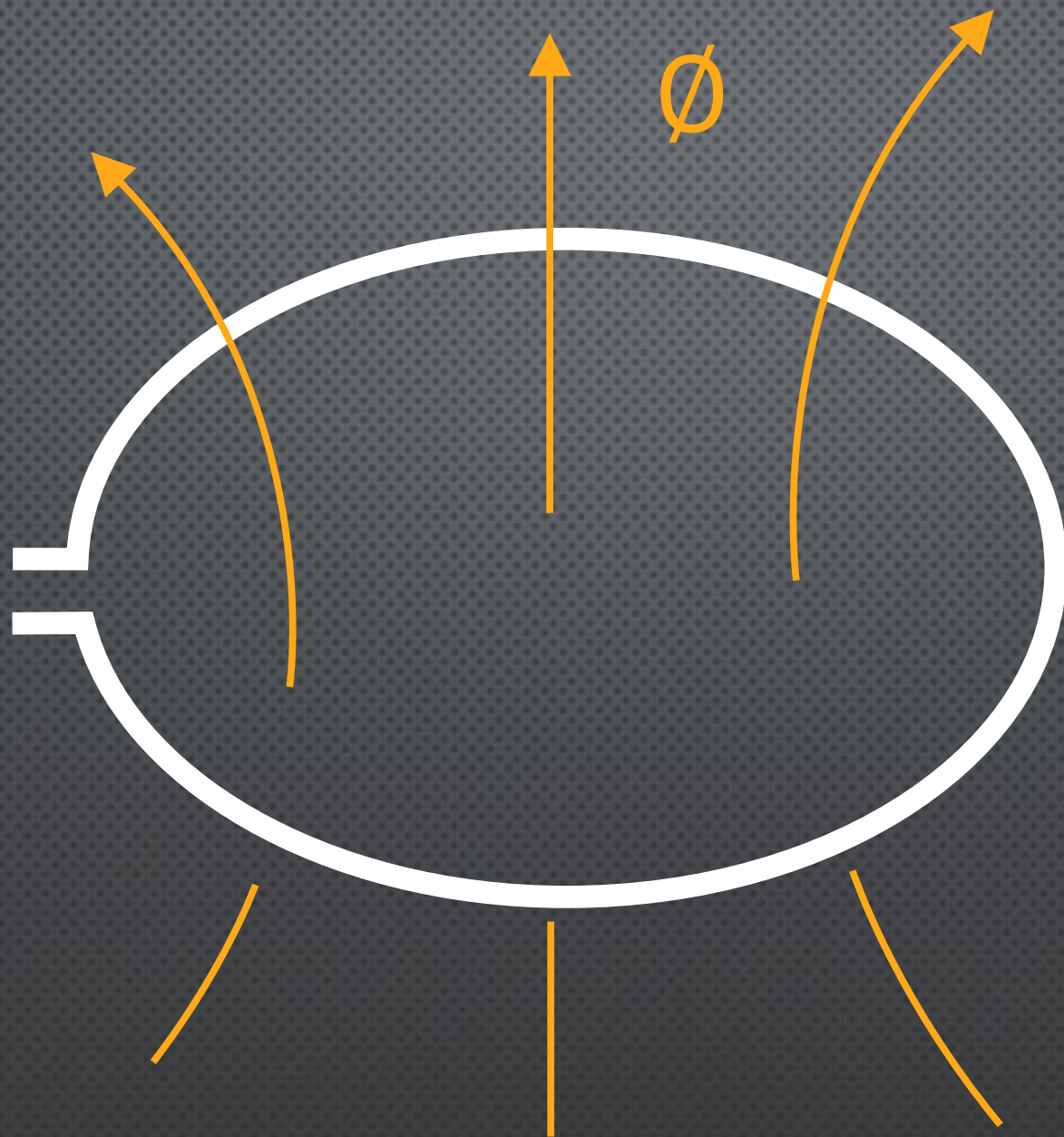
AULA:

CIRCUITOS MAGNETICAMENTE ACOPLADOS

PROFESSOR:

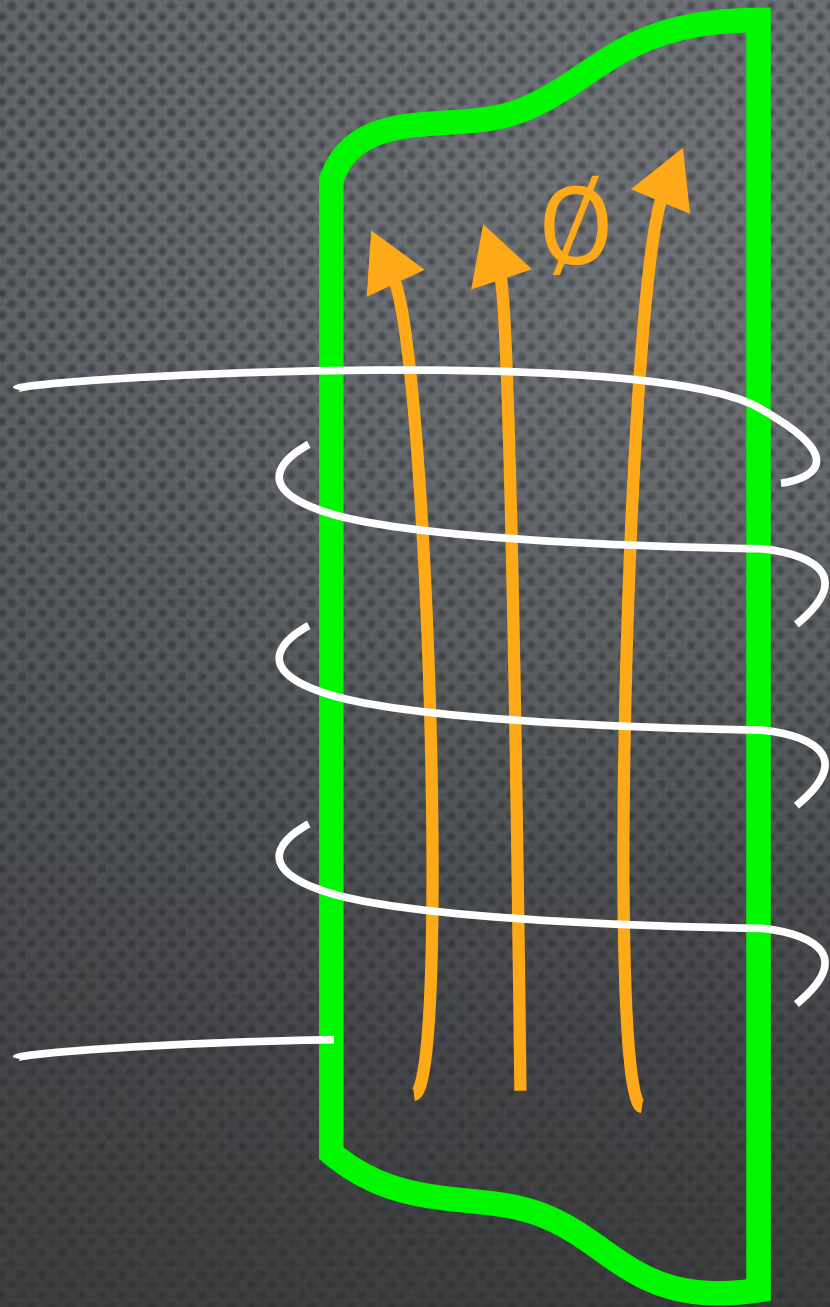
JOSÉ ROBERTO CARDOSO





$\emptyset$

$\wedge = \emptyset$

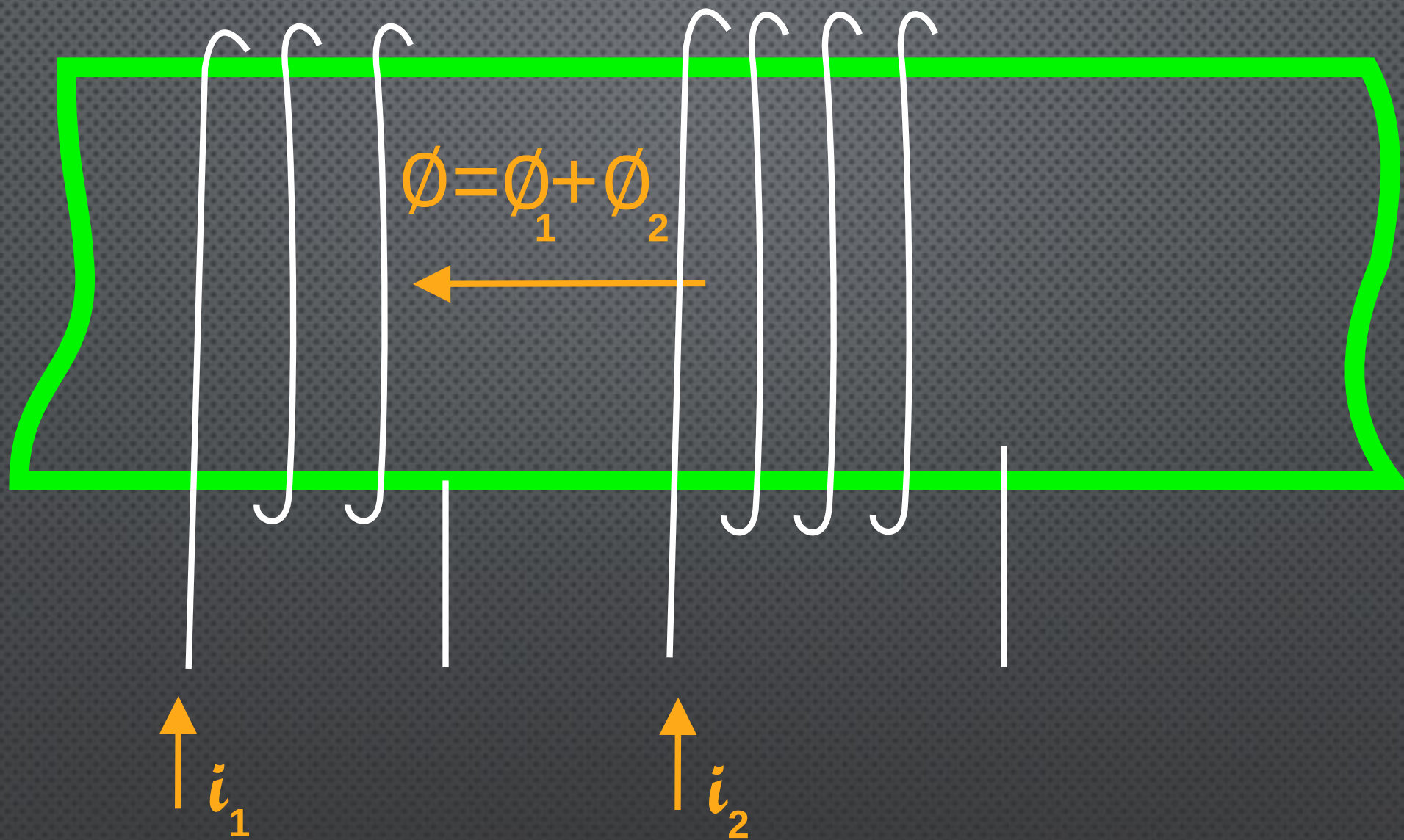


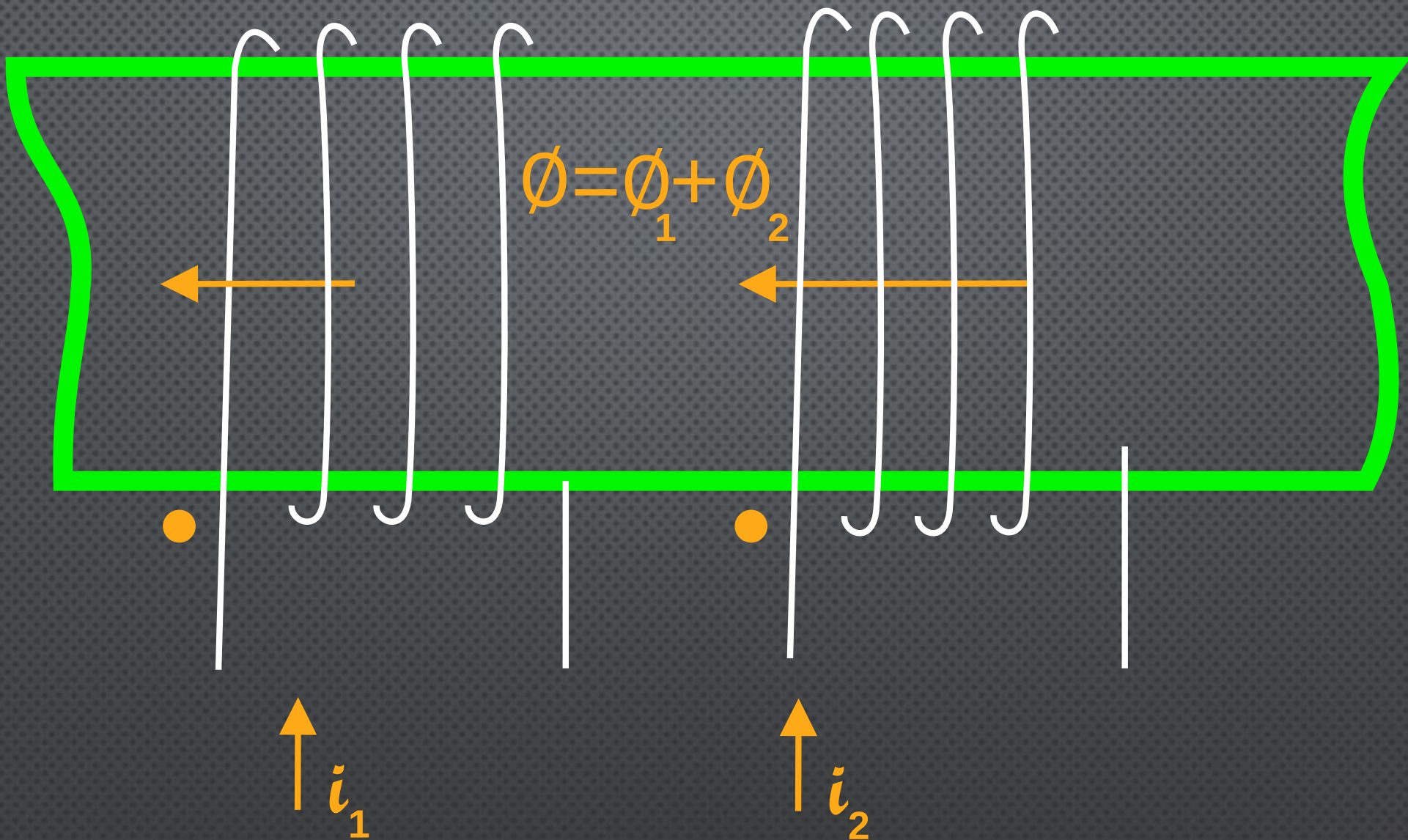
N esp.

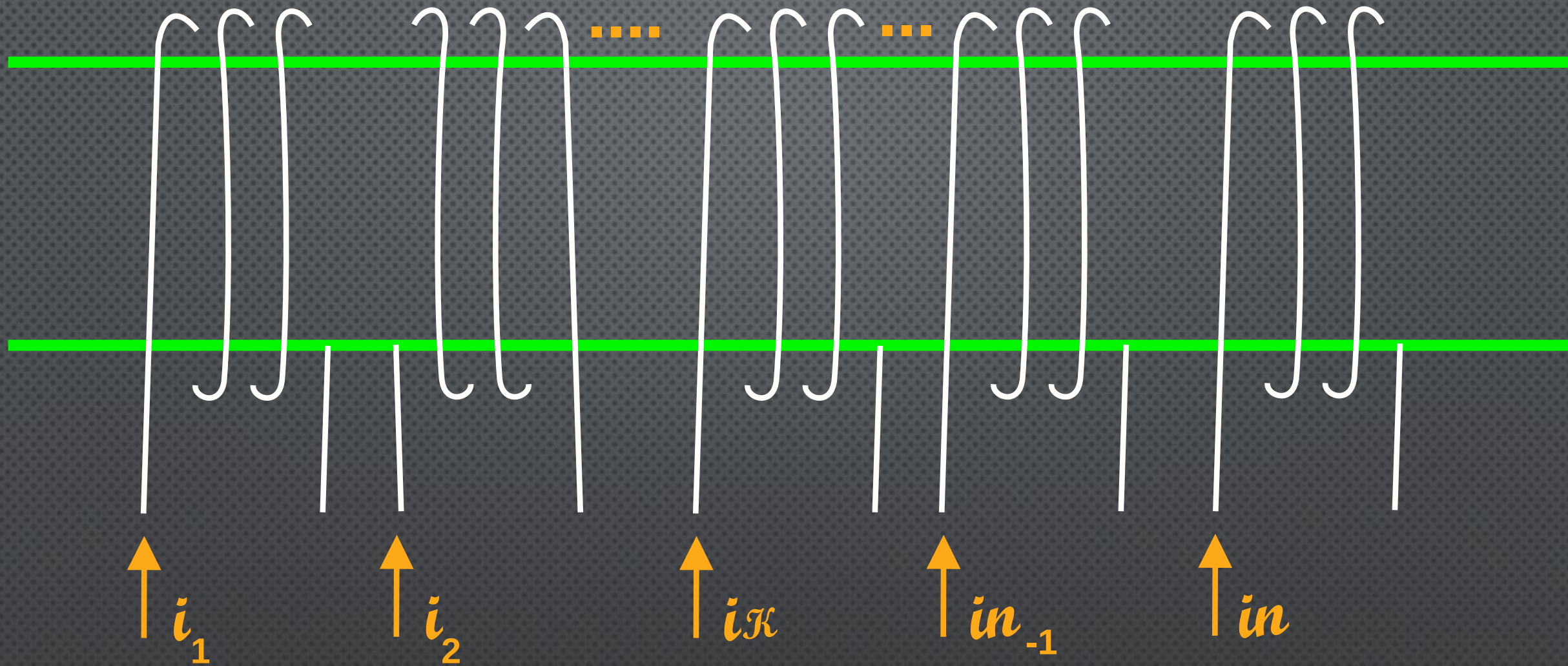
$$\mathcal{L} = N\emptyset$$

$$\lambda = Li$$

L: Indutância (H)







$$\lambda_k = \lambda_{1k} + \lambda_{2k} + \cdots + \lambda_{kk} + \cdots + \lambda_{nk}$$

λ_{ik} : Fluxo Concatenado com o circuito k devido a circulação de corrente no circuito i

λ_{kk} : Fluxo Concatenado com o circuito k devido a circulação de corrente no circuito k

$$\lambda_k = M_{1k}i_1 + M_{2k}i_2 + \cdots + L_k i_k + \cdots + M_{nk}i_n$$

$$\mathbb{L}_{\mathcal{K}} = \frac{\bigwedge_{i \in \mathcal{K}} \mathcal{K}}{i \in \mathcal{K}} \quad \left| \begin{array}{l} i \neq 0 \\ i \neq \mathcal{K} \end{array} \right.$$

$$M_{\check{j} \mathcal{K}} = M_{\mathcal{K} \check{j}} = \frac{\bigwedge_{\mathcal{K}}}{i \check{j}} \left| \begin{array}{l} i_{\mathcal{K}} = 0 \\ \check{j} \neq \mathcal{K} \end{array} \right.$$