TEMA SEMINAR 6

(1) Specia circulates: a = 10 cm, B = Bep 12 sin we t Bep = 20 mT; Valmetru convected ca bornel 1-2. $P_1 = 50 \text{ Hz}$, $P_2 = 10 \text{ KHz}$.

Veg = ? (volmetru indica tensuinea efectiva)

 $\phi = \iint_{S_{\Pi}} \mathcal{B} \cdot dA = \mathcal{B} \cdot \iint_{S_{\Pi}} dA = \mathcal{B} \cdot A_{\mathbf{0}} = \mathcal{B} \cdot \alpha^{2} \cdot \alpha$

$$\lambda_{0} = \lambda \alpha = \lambda_{0} = \lambda_{0} = \lambda_{0} = \lambda_{0}$$

$$\phi_{\Lambda} = \iint_{\Lambda} \vec{B} \cdot d\vec{A} = B \cdot A_{\Pi} = B \cdot 4 \alpha^{Q}$$

$$U_{H} = \frac{d}{dt} (Ba^{2}a) \quad \forall M_{\Lambda} = \frac{d}{dt} (B \cdot 4a^{Q})$$

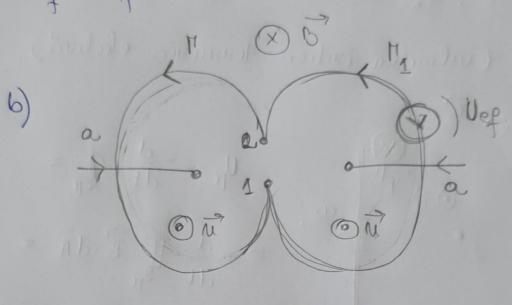
$$U_{r_{\Lambda}} = 4\alpha^{2} \operatorname{Bef} \operatorname{I2.'cos}(\operatorname{rot})$$

$$U_{r} = 4\alpha^{2} \cdot \operatorname{Bef} \cdot \operatorname{I2.'w} \cdot \operatorname{cos}(\operatorname{vot})$$

$$w = \frac{2\alpha}{T} = 2\alpha f = 0 \quad w_{\Lambda} = 2\alpha f_{\Lambda} = 0 \quad U_{r_{\Lambda}} \cdot U_{r_{\Lambda}}$$

$$w_{\sigma} = 2\alpha f_{\sigma} = 0 \quad U_{r_{\Lambda}} \cdot U_{r_{\Lambda}} \cdot U_{r_{\Lambda}}$$

Veg = Beg. 4a2. 1. w



Um = -Uma

Uef = Ums

$$\begin{array}{lll}
O_{H} = -\frac{d}{dt} & \phi_{SH} \\
\phi_{SH} = -\frac{d}{dt} & \phi_{SH} = -B \cdot A_{0} = 7 & O_{H} = \frac{d}{dt} & (B \cdot \overline{u} \cdot Q^{2}) = 9
\end{array}$$

= Un = Ta2 Beg (2. vs. cos (vot).

Codour dochunghirlore:
$$a = 1 \text{ m}$$
, $b = 2 \text{ m}$
 $a = 2 \text{ m}$

$$= \frac{\mu_0 \cdot b}{3\bar{u}} \cdot \frac{d}{dt} \left(u(t) \cdot \theta_0 \frac{c(t) + a}{c(t)} \right) =$$

$$= \frac{\mu_0 \cdot b}{3\bar{u}} \cdot \frac{1}{dt} \cos(wt) \cdot \theta_0 \frac{c(t) + a}{c(t)} \cdot \frac{c(t) + a}$$