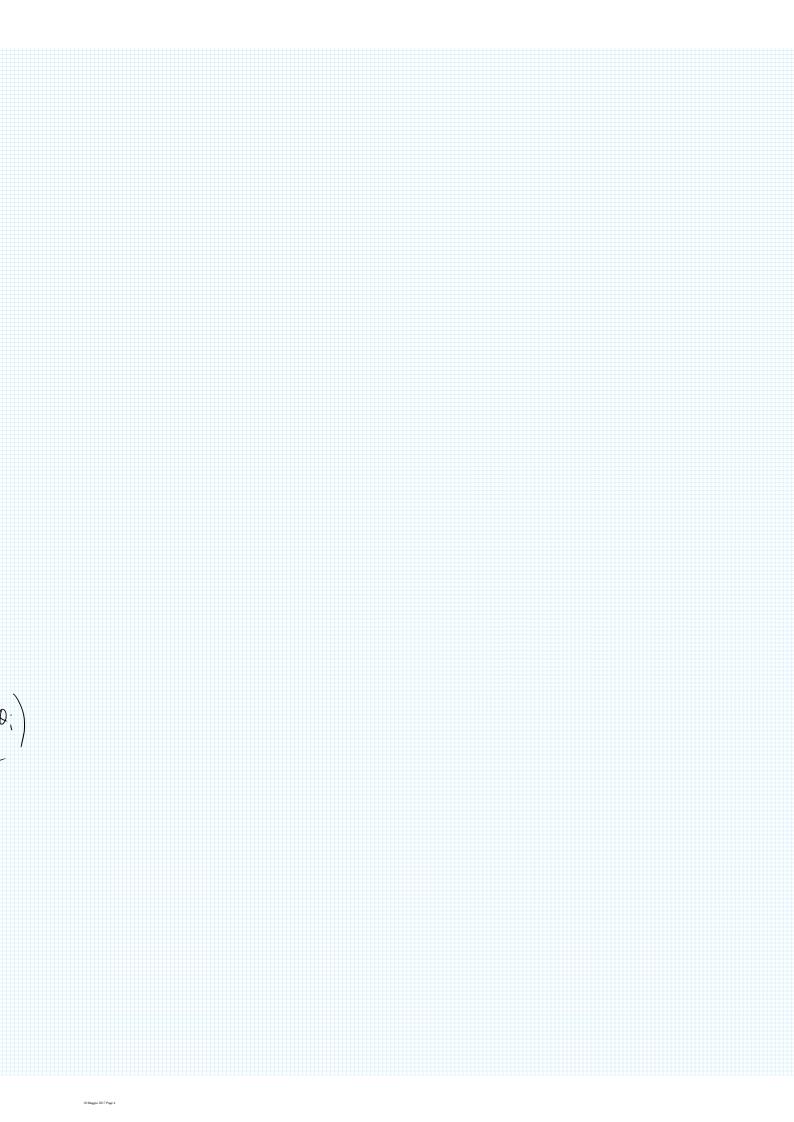
POTENZA IN REGIME PERMANENTE SINUSOIDALE

$$\begin{split} & \sqrt{(t)} = V_{m} \cos(\omega t + \theta v) \Rightarrow V_{-} V_{m} e^{J\theta v} \\ & i(t) = I_{m} \cos(\omega t + \theta v) \Rightarrow \overline{I} = I_{m} e^{J\theta v} \\ & \rho(t) = \rho(t, \overline{V}, \overline{L}) \\ & \sqrt{(t)} = \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{-J(\omega t + \theta v)} \\ & \sqrt{(t)} = \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & \sqrt{(t)} = \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & i(t) = \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & i(t) = \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & i(t) = \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)} e^{J(\omega t + \theta v)} + \sqrt{N(t)} e^{J(\omega t + \theta v)} \\ & + \sqrt{N(t)}$$

$$\begin{split} & = \text{Im} \, e^{\text{J} \, \theta}, \\ & = \text{Re} \, \{ \text{VI}^* \} + \text{Re} \, \{ \text{VI}^* \, e^{\text{I} \, (2\omega t + 2 \, \theta i)} \} \\ & = \text{Rot. Hebit} \\ & = \text{Rot. Ativa} \\ & = \text{Rot. Ativa} \\ & = \text{Re} \, \{ \text{Q}, \text{Q} \} \\ & = \text{Re} \, \{ \text{Q},$$



Se
$$\theta_{V} - \theta_{i} > \pm \frac{\pi}{2}$$
 $S = \pm \int V_{m} \Gamma_{m}$

$$V = Z \cdot I$$

$$V = Z \cdot I$$

$$S = \frac{1}{2} Z \cdot I \cdot I^{*} = \frac{1}{2} Z \cdot I^{2} = \frac{1}{2} Z \cdot I^{*}$$

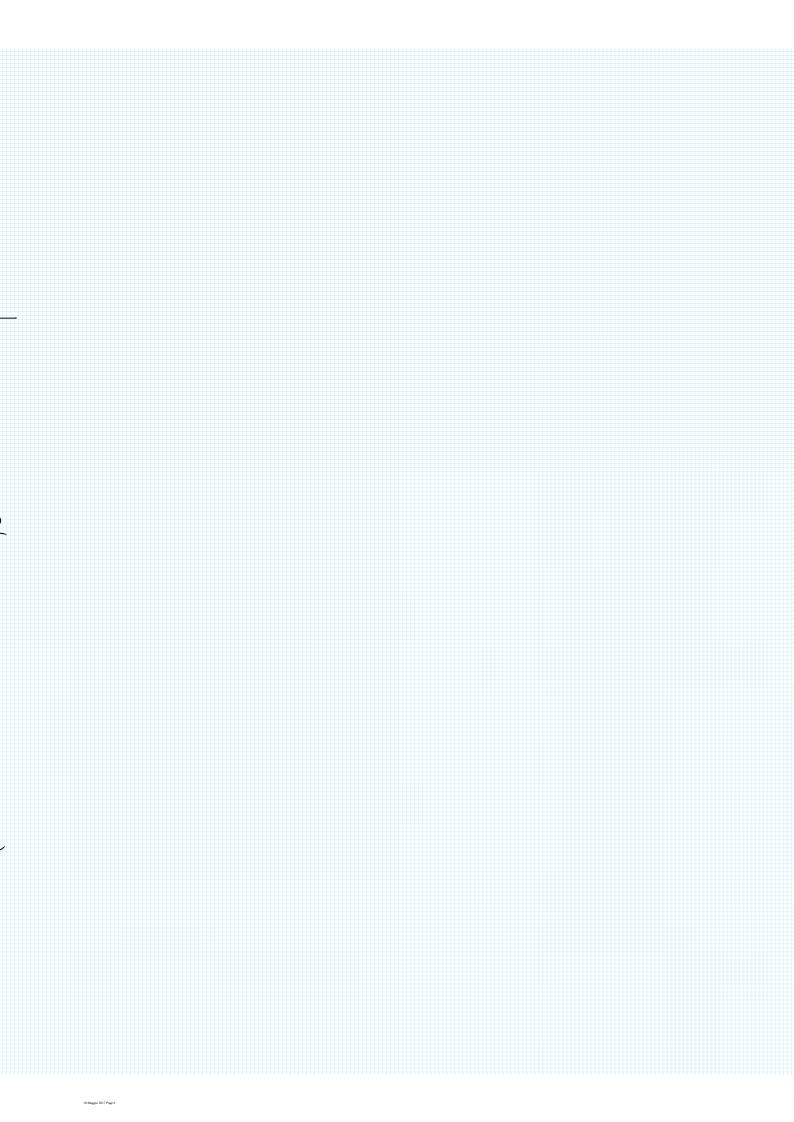
$$I = Y \cdot V$$

$$S = \frac{1}{2} I \cdot Y^{*} V^{*} = \frac{1}{2} Y^{*} I V^{*} \cdot I^{*} + \frac{1}{2} Y^{*} V^{*}$$

$$S_{n} = \frac{1}{2} I \cdot I^{*} = \frac{1}{2} I \cdot I^{*} = \frac{1}{2} I \cdot I^{*} \cdot I^{*} \cdot I^{*}$$

$$S_{n} = \frac{1}{2} I \cdot I^{*} = \frac{1}{2} I \cdot I^{*} \cdot I^{*} \cdot I^{*} \cdot I^{*}$$

$$S_{n} = \frac{1}{2} I \cdot I^{*} = \frac{1}{2} I \cdot I^{*} \cdot I^{*}$$



Ser
$$X \ge 0$$

Z= R+JX

X \geq 0

Z= R+JX

CAMCO CON

COMP. INDUTING

Ser CARCO CON

COMP. CAPACITIVA

Z S= 0 Z Re \{5\cdot \} = 0 Z \text{Im}\{5\cdot \} \text{2}

Medico CON

COMP. CAPACITIVA

Z pot.

Medico Z pot 200Hive

Z mobile 0 Z pot 200Hive

Z mobile 0 Z pot 200Hive

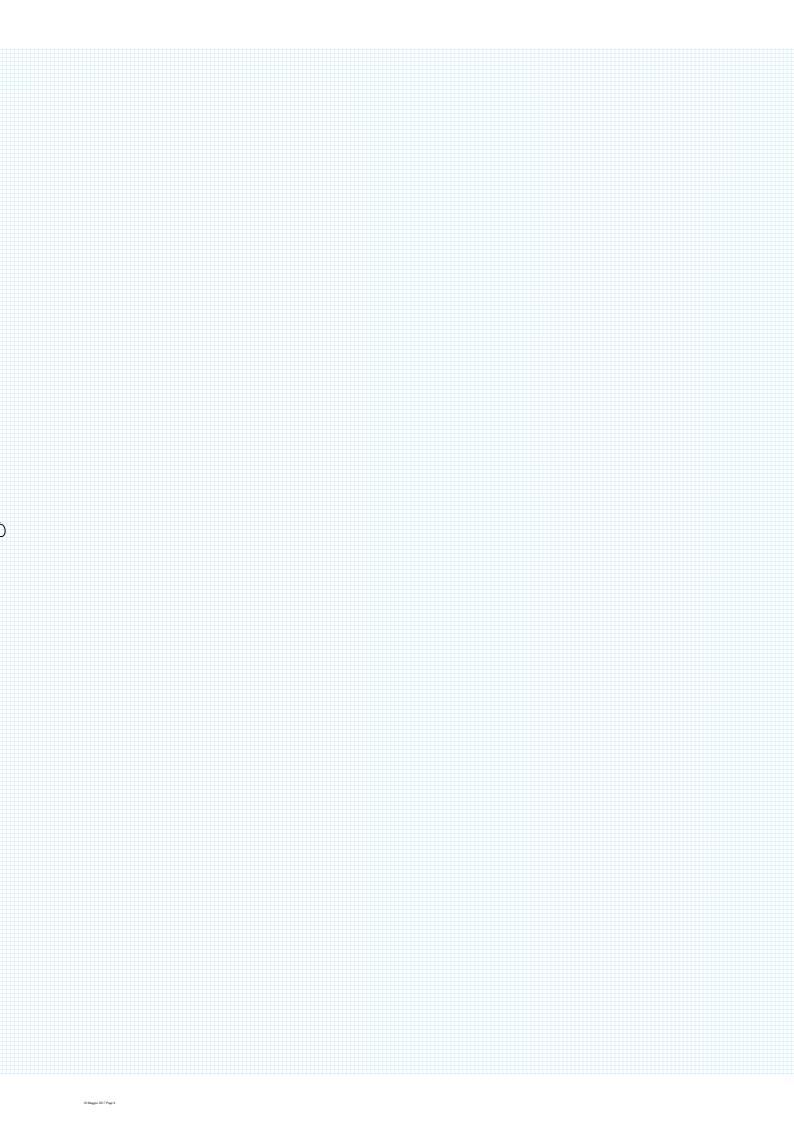
Im \{5\cdot \} = \frac{7}{2} R \text{Tm} > \frac{7}{2} \text{VALOUTE}

Pn= R \(\text{L}^2\) $S_p = \frac{1}{2} R \text{Tm} > \text{VALOUTE}

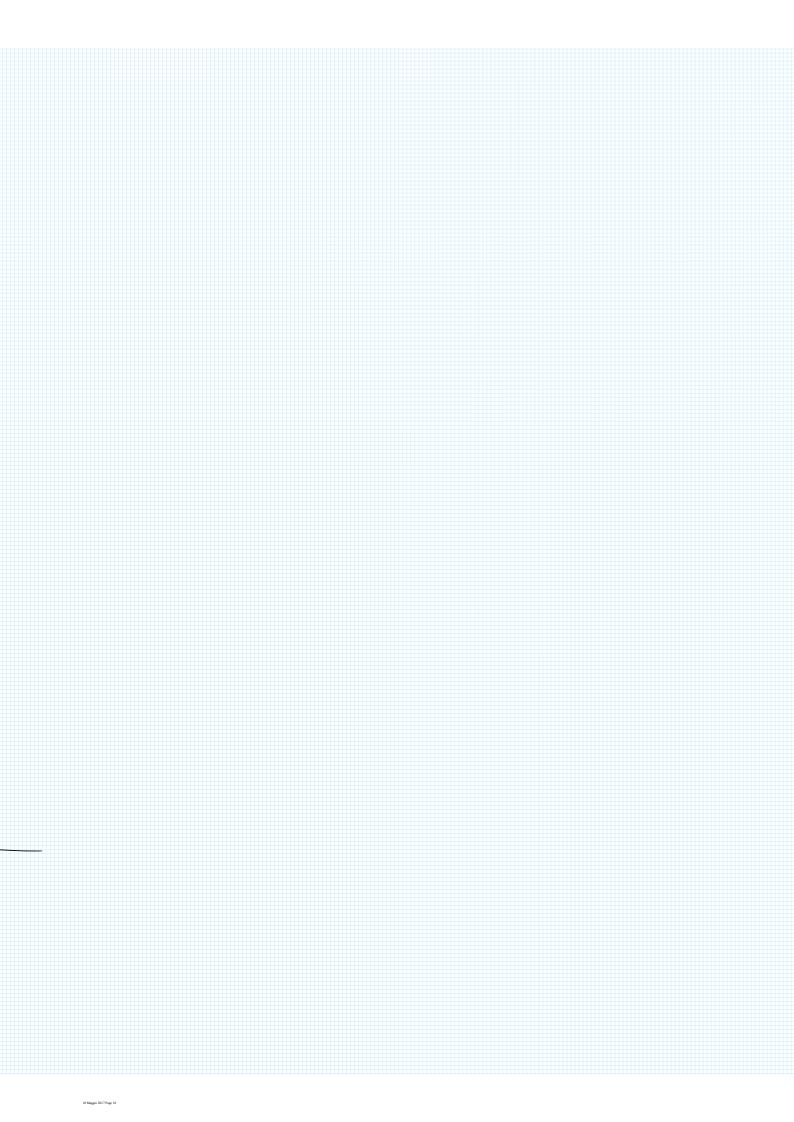
Diffico

T

Sooy(\text{Wt}) \(\text{olt} = \frac{1}{2}\)$



 $\int SOD(\omega t) dt = \frac{1}{2}$ S POT. APPANENTE P. Att POTENZA AHISA \mathcal{D}_{i} MAX TRASF WYPENT 124 WIENWA CARICO



$$P_{AHTIVA} = Re \left\{ \frac{1}{2} \right\} = Re \left\{ \frac{1}{2} \right\} = Re \left\{ \frac{1}{2} \right\}$$

$$1 = \frac{1}{2} Pe \left\{ \frac{1}{2} \right\}$$

$$\frac{1}{2} \frac{1}{(R_g + R_{LAMD})^2 + (X_g + X_{LOMD})^2)}{1 + (R_g + R_L)^2} \frac{1}{1 - 2R_{LOMD} \cdot (R_g + R_{LOMD})}{1 + 2R_{LOMD} \cdot (R_g + R_{LOMD})} \frac{1}{2}$$

$$\frac{1}{2} \frac{1}{2} \frac{1}{2}$$

