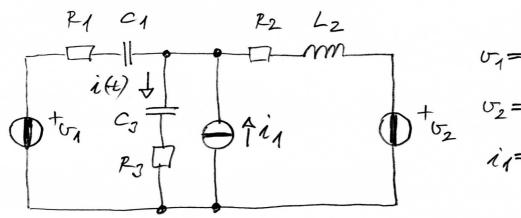
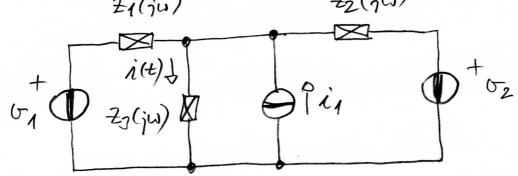
AZ ALA'BBI A'LLANDÓSULT AKLAPOTU AC A'RAMB'R BEN HATÁROZZUK MEG AZ i(t) AIRAMOT AZ IBÖTARTO-MA'NYRAN.



 $\begin{array}{ccc}
\sigma_1 = \sqrt{2} & V_{\text{reff}} \cos(\omega_1 t + \theta_1) [V] \\
& \sigma_2 = \sqrt{2} & V_{\text{reff}} \cos(\omega_1 t + \theta_2) [V] \\
& i_1 = \sqrt{2} & I_{\text{eff}} \sin(\omega_2 t + \theta_2) [A]
\end{array}$

1. ATRADZOLAS, ES AC IMPEDANCIAK FECIRASA

 $\frac{21(j\omega) = R_1 + \frac{1}{j\omega c_1} [S_2]}{2(j\omega) = R_2 + j\omega c_2 [S_2]}$ $\frac{2}{2(j\omega)} = R_3 + \frac{1}{j\omega c_3} [S_2]$ $\frac{2}{2(j\omega)}$



UEDD ESTRE, IMPEDANCIA FÜGGVENTER MIND W1-EN, MIND W2-ÖN FRUENVESER

2. GERBESZTÉSEKHEZ TARTOZÓ KOMPLEX AMPLI-

TUDÓK FELIRASA

$$\sigma_{1} = \left[\frac{2}{2} V_{1} \operatorname{eff} \operatorname{cov} \left(w_{1} t + \theta_{1} \right) \right] \Rightarrow V_{1} = V_{1} \operatorname{eff} \left[\frac{\theta_{1}}{\theta_{1}} \left[V_{1} \right] \right]$$

$$\sigma_{2} = \left[\frac{2}{2} V_{2} \operatorname{eff} \operatorname{cov} \left(w_{1} t + \theta_{2} \right) \right] \Rightarrow V_{2} = V_{2} \operatorname{eff} \left[\frac{\theta_{2}}{\theta_{2}} \left[V_{1} \right] \right]$$

$$i = \left[\frac{2}{2} V_{2} \operatorname{eff} \operatorname{cov} \left(w_{1} t + \theta_{2} \right) \right] \Rightarrow V_{1} = V_{2} \operatorname{eff} \left[\frac{\theta_{1}}{\theta_{2}} \left[V_{1} \right] \right]$$

$$i_1 = \sqrt{2}$$
: $I_{1eff} sin(\omega_2 t + \theta_1)$
= $\sqrt{2} I_{1eff} cos(\omega_2 t + \theta_1 - 90^\circ) = \sqrt{1} = I_{1eff} \left[\theta_1 - 90^\circ I_A \right]$

MIUEL FET FREKVENCIA VAN, SZUPERPOZICIÓT EELL ALFAL MAZNI:

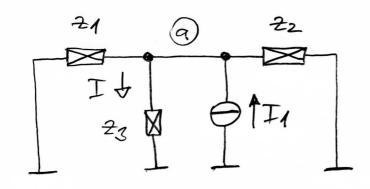
$$-(\omega_2) \Rightarrow (\omega_2(t))$$

$$i(t) = i^{\omega_1}(t) + i^{\omega_2}(t)$$

3. SZÁMITÁS WI-EN, CSOMÓPONTI POTENCIÁLOFFAL

$$\frac{V_{1}-V_{0}}{21(j\omega_{1})}-\frac{V_{0}}{22(j\omega_{1})}+\frac{V_{2}-V_{0}}{22(j\omega_{1})}=0=) V_{0} IV_{1}$$

$$I^{\omega_1} = \frac{V_0}{23(j\omega_1)} = i^{\omega_1}(t) = [2]I^{\omega_1}(\omega_2(\omega_1 t + /I^{\omega_1})[A]$$



$$\omega = \omega_2$$

$$I^{\omega_2} = I_1 \frac{z_e(j\omega_2)}{z_3(j\omega_2) + z_e(j\omega_2)} = I_1 \frac{z_1(j\omega_2)||z_2(j\omega_2)|}{z_3(j\omega_2) + z_1(j\omega_2)||z_2(j\omega_2)|} [A]$$

$$T^{\omega_2}[A] = i^{\omega_2}(t) = [2][T^{\omega_2}] \cos(\omega_2 t + [T^{\omega_2})[A]$$

5. A SYLVPERPORICIÓ ÉRTELMÉBEN A MEGOLDAS A LET ÁRAM ÖSSZEGE

$$i(t) = i^{\omega_1}(t) + i^{\omega_2}(t)$$

$$= \left[2 \left| I^{\omega_1} \right| \cos(\omega_1 t + \left| I^{\omega_1} \right|) + \left[2 \left| I^{\omega_2} \right| \cos(\omega_2 t + \left| I^{\omega_2} \right|) \right] \right]$$