615 2H, 2016, DEC. 1, 13:45

ALABII ALLANDOULT ALLAPOTH AC ARAMETREN A FOMPLEX AMPLITUAGE A FERRICATIERONED TETEL SECTIVES HATAROZZA MEG AZ iCE) ALRAHOT AZ IDSTARTOMANYBAN.

$$\begin{array}{c|c}
 & \downarrow i(t) \\
 & \downarrow v_{c} \\
 & \downarrow v_{c$$

$$U_{e}(t) = 10/2 \cos(\omega t - 45^{\circ}) V$$

$$f = 50 H_{2}$$

MEGOLDAS:

GERDENATES EMPLEX AMPLITUDODA: VG = 10 [-450 V

IMPEDANCIÁK:

ZC=jWL=j75452 ZR=1012

2c - 1 = - 114,47x

 $2p|_{2c} = 10|_{(-\frac{1}{14},47)} = \frac{10(-\frac{14}{14})}{10-\frac{14}{14}} = 8_122[-34_17^2 = 6_176-\frac{14}{16}]$

FERRICTURE OF TO:

$$V_{c} = \frac{2p \cdot 112c}{2L + 2p \cdot 112c} V_{6} = \frac{8122 \left[-347^{\circ}\right]}{37.54 + 6176 - 14.68} 10 \left[-45^{\circ}\right] = 11/2 \left[-102,6^{\circ}\right] V$$

$$I = \frac{V_c}{2c} = \frac{11.2 - 1026^{\circ}}{14.47 - 90^{\circ}} = 0.77 - 12.6^{\circ}$$

ELCENDRES (NEM VOLT FEL ADAT)

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$$I = 0.177 \left[-12.6^{\circ} = 0.75 - j.0.17 \text{ A} \right]$$

$$I_{R} = \frac{V_{C}}{R} = 1.12 \left[-10.26^{\circ} = -0.24 - j.10.9 \text{ A} \right]$$

$$V_{G}$$

$$V_{C}$$

$$IL = \frac{V_G}{2E} = \frac{10 \left[-45^{\circ} \right]}{7734[223]^{\circ}} = 1,36 \left[-673 \right] = I_R + I = -0,24 - i1,09 + 0,75 - i0,000$$

$$= 0,51 - i1,26$$

$$00 > = 1/36/-600$$