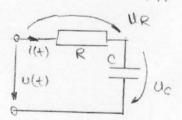
20.04.2010

Cons ma 2.

6. Cincuital R.C



u=uR+uc

RJJZ oim cot - NZ coscot = UJZsin cot cos p+ UJZ coscot. oimp

Xc = de

1. <u>42</u>

$$\frac{1}{1} \frac{1}{R} \frac{1}{1} \frac{1}{R} = \frac{1}{1} \frac{1}{R} \frac{1}{1} \frac{1}{R} = \frac{1}{1} \frac{1}{R} = \frac{1}{1} \frac{1}{R} = \frac{1}{1} \frac{1}{1} \frac{1}{R} = \frac{1}{1} \frac{1}{R} =$$

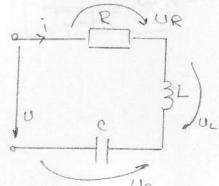
UR = Ri , iR = G.U

un = Lidi , in = L / widt

uc= b lidt, ic = da

(= V-1

c. Circuitul oercie R, L, C



$$\frac{1}{dt^{2}} + R \frac{dx}{dt} + \frac{1}{6} \cdot 2 = u(t)$$

$$\frac{d^{2}2}{dt^{2}} + \frac{R}{dt} + \frac{1}{6} \cdot 2 = \frac{1}{6} \cdot u(t)$$

$$\frac{d^{2}2}{dt^{2}} + \frac{R}{dt} + \frac{d^{2}}{dt} + \frac{1}{16} \cdot 2 = \frac{1}{6} \cdot u(t)$$

$$\frac{d^{2}2}{dt^{2}} + \frac{R}{dt} + \frac{d^{2}}{dt} + \frac{1}{16} \cdot 2 = \frac{1}{6} \cdot u(t)$$

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$$\frac{d^{2}2}{dt^{2}} + \frac{1}{6} \cdot u(t)$$

$$\frac{d^{2}2}{dt^{2}} + \frac{1}{$$

RIVE sim at + col IVE coscot - de IVE coscot = WE simut cosp+ UTEcoscotsi

$$RJ = U\cos \rho$$

$$Cobl - \frac{1}{\omega c} = U \cdot sim \rho$$

$$J = \frac{U}{\sqrt{R^2 + (col - \frac{1}{\omega c})^2}}$$

$$\begin{cases} X = X_{L} - X_{C} \\ Z = \sqrt{R^{2} + X^{2}} \end{cases}$$

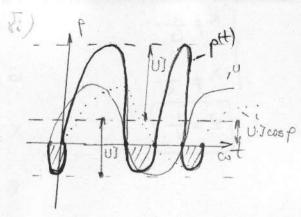
Daca x>0 => X1 > XC gi chavitul are catacter industriv

P>0 - defagata imaintea circuitul

=> (co= - Vac

2.3 Poterii în reginu sinosoidal

a. Titere instantance



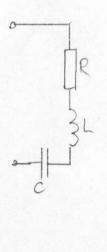
$$\int 6^2 = P^2 + Q^2$$

$$Z^2 = R^2 + \chi^2$$

$$\begin{cases} X = Q & R = 0 \\ S = Q & G = 0 \\ Z = \frac{1}{7^2} & Y = \frac{1}{12^2} & Y = \frac$$

$$R = \frac{\rho}{J^2}$$

$$G = \frac{\rho}{J^2}$$



$$R = \frac{U_1 \cos f}{J^2} = \frac{U}{J} \cos f;$$

$$G = \frac{U_1 \cos f}{U^2} = \frac{J}{U} \cos f$$

$$X = \frac{U_1 \sin f}{J^2} = \frac{U}{J} \sin f$$

$$8 = \frac{U_1 \sin f}{U^2} = \frac{J}{U} \sin f$$