## 5. Izmicniène velicina

$$u(t) = \lim_{x \to \infty} \sin(\alpha x + \alpha x)$$

$$\dot{t} \quad \dot{u} = u_{ce} \times e$$

$$\dot{t} \quad \dot{t} \quad \dot{t}$$

$$u_1 = 2290$$
 get je množevje i sn/ce  $u_1 = 3290$   $u_1 = 2.3290730 = 61120$   $R = \frac{u}{1} = \frac{2}{3}160$ 

ali to za nas odradja

), CAS10 : B

u=3sin(w+) + 4sin(w+= 1/2) - + templating

 $(u_1(4) = 3 \sin(\omega t))$ 

DEK 18./19.-1

haproni fossie:

(2) MI 18/19. -2

W=314,16 Hz

t=05

4) [ = (2+j2)/(2-j2)

 $\hat{I} = 1 \angle \frac{1}{2}\pi = 1 \angle 90$ 

I = 252 130

 $t_1 = 15 \text{ ms}$   $t_2 = 50112$ 

. i (t1)=?

41=3/2 Los

U = 2,5 /2 L-0.9273 rad

U= 2,5/2/-53,13°

in (+) = 5. sin (w+-53,13°) w

w=211f

W=211.50Hz

 $I = \frac{2+21}{2-2i} = \frac{(2+2i)^2}{4-4\cdot(+1)} = \frac{4+8i-4}{8} = 1i$ 

 $\sqrt{2} = I_{\text{max}} \rightarrow i(-1) = \sqrt{2} \sin(\omega t + \frac{1}{2}) = \sqrt{2} A \omega$ 







W(+) = W1(+) + W2(+)

U2 = 4 L-30

i(+) = In rin (w+ + ce)

Um = Ucf. 12

> Icf. 12 = Im > 212.12 = 4 Q=30

i(15 x 633) = 4817 (314, 16.15 x 163 + 36)

10(+1)=-213=-3,46A) w

 $u_2(t) = 4 \sin(\omega t - \pi/2)$ 

$$\frac{\text{ZADACI} - \text{Zavojnice i kondenzotori}}{\text{GMI 18/10}}$$

$$\frac{u_2}{u} = 2$$

$$\frac{d_{2}}{dx} = ?$$

$$R = 2.\Omega$$
  
 $L = 0.02 \text{ H} \rightarrow j = 7 \times L = j \text{ WL} = j \cdot 100.0.02 = 2j$ 

$$C = 2,5mf \rightarrow -3 \Rightarrow \times = -3\frac{1}{\omega \epsilon} = -3 \cdot \frac{1}{100.25 \times 10^3} = -\frac{4}{3} \cdot 2$$

$$\omega = 100 \text{ rad/s}$$

$$W = 100 \text{ rad /s}$$

$$\frac{U_2}{U} = 7$$

$$U_2 = 14 \cdot C$$

$$I = \frac{U}{Ruk} \rightarrow U = I - Ruk$$

$$U_2 = 11 \cdot (-4i)$$

$$Ruk = (-4i) + ($$

 $\frac{U_2}{u} = \frac{1}{1 \cdot (-4)} = \frac{1}{1 \cdot 2j \cdot$ 

-> vidimo de su to tri paralele (mi smo dodali 4; B)

La između istin poteucjale ru: p, pijx, j'x c i p

Zah-(1 + 1 - + 1 )-1

$$Zab = \left(\frac{1}{R} + \frac{1}{R+jx_L} + \frac{1}{R-j'x_L}\right)^{-1}$$
 $Zab = \left(\frac{1}{60} + \frac{1}{60+60j} + \frac{1}{60-60j}\right)^{-1} = 30.02$ 

9) JESEN 20/21. -2; Wab =?

$$(3-2)^{1/2}$$
 $(3-2)^{1/2}$ 
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 $(3-2)^{1/2}$ 

$$Vab = (6+8) \frac{3-2}{6-4} \cdot 2.2 = 10/253,13^{\circ}$$

3) HI 18/19.

$$U_1 = 1000 \text{ Lo}$$
 $U_2 = 1000 \text{ Lo}$ 
 $U_1 = 1000 \text{ Lo}$ 
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 $U_2 = 1000 \text{ Lo}$ 
 $U_3 = 1000 \text{ Lo}$ 
 $U_4 = 1000 \text{ Lo}$ 
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 $U_4 = 1000 \text{ Lo}$ 
 $U_5 = 1000 \text{ Lo}$ 
 $U_6 = 1000 \text{ Lo}$ 
 $U_1 = 1000 \text{ Lo}$ 
 $U_1 = 1000 \text{ Lo}$ 
 $U_2 = 1000 \text{ Lo}$ 
 $U_3 = 1000 \text{ Lo}$ 
 $U_4 = 1000 \text{ Lo}$ 
 $U_5 = 1000 \text{ Lo}$ 
 $U_6 = 1000 \text{ Lo}$ 
 $U_7 = 1000 \text{ Lo}$ 
 $U_8 = 1000 \text{$ 

$$|2| = \left| \frac{(832,05 \angle 33,69 + 0.2 + 0.4j + 100 \angle 30)}{832,05 \angle 33,69 + 0.2 + 0.4j + 100 \angle 30} \right| + \left| \frac{(1.80)}{80ma} \right|$$

$$|2| = \left| \frac{12}{2nchi} - 11.2 \angle -30.38^{\circ} \right|$$

$$|4| = 1 \cdot 2ak = 1008,38 \angle 0.258^{\circ} = 1008,37 + 4.54j$$

832,05 (33,63

7= 79,58 (30,52

UAB = CA - CB - 100 LD

=> PA = 11.10 = 100 - 11.10,

=> CP6 = 12.10 = 100 - 12.(-10j)

()ab=?