



ИСПИТ ИЗ ОСНОВА ЕЛЕКТРОТЕХНИКЕ 2

15. 10. 2013. - Рјешења

1.

$$B_M = 100 \mu\text{T}.$$

2.

$$\frac{\mu_1}{\mu_2} = \frac{3}{4}.$$

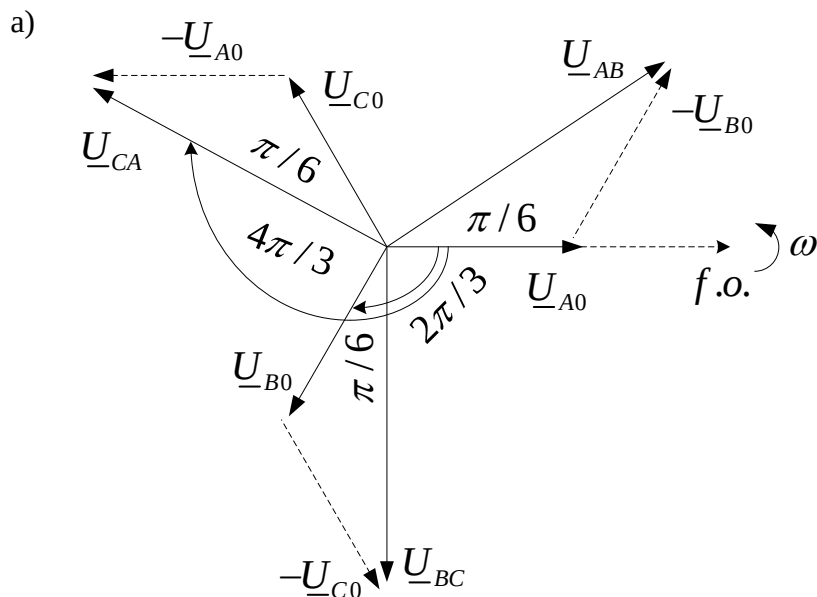
3.

$$\frac{U_2}{U_1} \approx 0,24. \quad \theta = -\frac{\pi}{4}.$$

4.

$$i(t) = i_1(t) = 10\sqrt{2} \sin \omega t \text{ A}, \quad i_2(t) = i_3(t) = 0.$$

5.



б) $\underline{S} = (43,56 + j14,52) \text{ kVA}.$