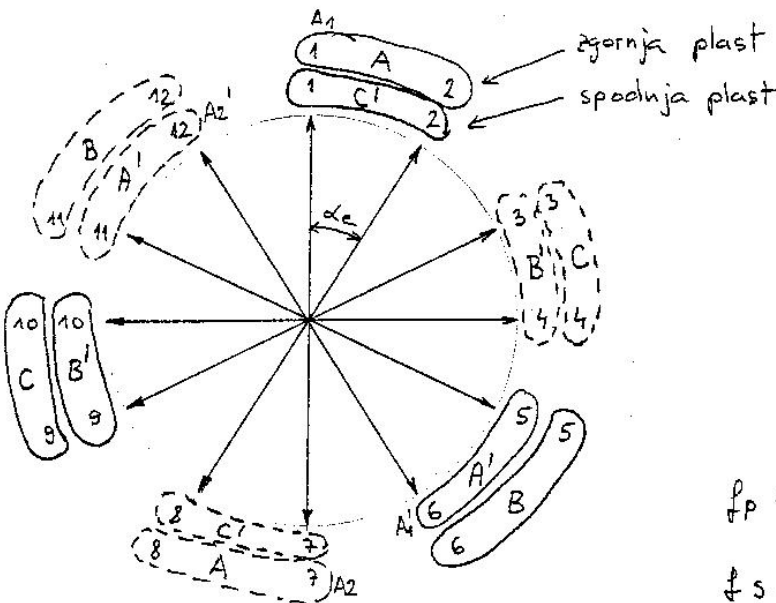


Narišite navijalno shemo trifaznega dvoplastnega navitja:  
 $2p = 2$ ;  $N = 12$ ;  $s = 4$  (tetivljenje, skrajšana)

$$d_g = \frac{360}{12} = 30^\circ \quad ; \quad d_e = p \cdot d_g = 30^\circ \text{ el} \quad ; \quad \tau_p = \frac{N}{2p} = \frac{12}{2} = 6 \text{ ut/pol}$$

$$q = \frac{N}{2pm} = \frac{12}{2 \cdot 1 \cdot 3} = 2 \text{ utora/(pol + faza)}$$

UTOROVNA ZVEZDA:



Pri dvoplastnem navitju ima posamezna tuljava eno stranico v zgornji plasti, posratno pa v spodnji plasti.

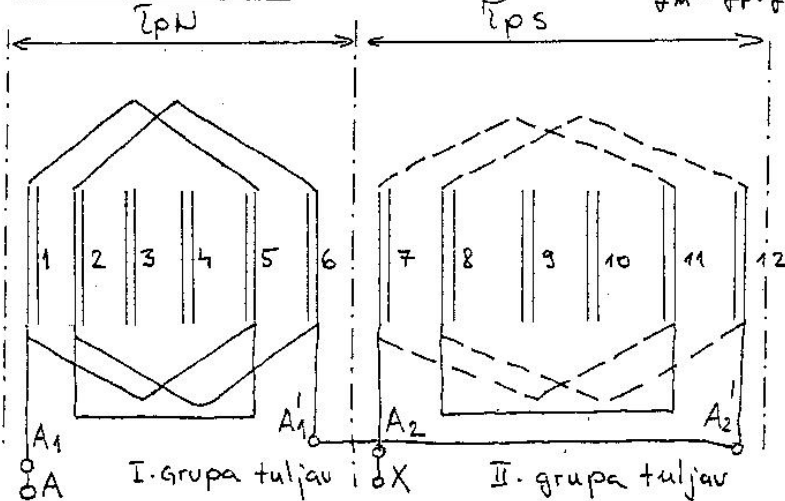
- I. grupa tuljav
- - - II. grupa tuljav

$$f_p = \frac{\sin \frac{2 \cdot 30}{2}}{2 \cdot \sin 15} = 0,9659$$

$$f_s = \sin \left( \frac{4}{6} \cdot \frac{\pi}{2} \right) = 0,8658$$

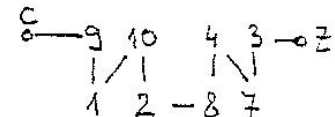
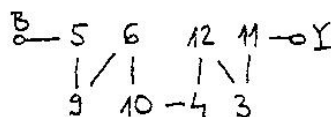
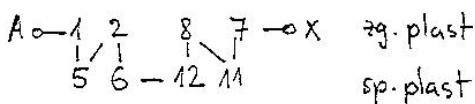
$$f_m = f_p \cdot f_s = \underline{0,8363}$$

VEZALNA SCHEMA:



konce grup tuljav vezemo skupaj, začetki posameznih grup pa predstavljajo začetno osiroma konciro sponko faznega navitja

RAZPREDELNICA NAVITJA:

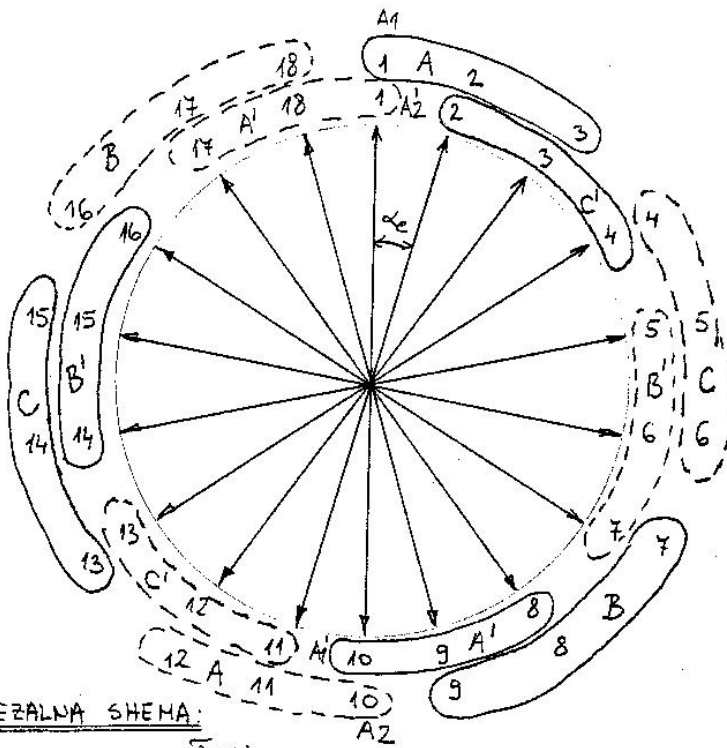


Narišite navijalno shemo trifaznega dvoplastnega navitja:  
 $2p = 2$ ;  $N = 18$ ;  $s = 7$  (tetivljenje)

$$\alpha_g = \frac{360}{N} = 20^\circ; \alpha_e = p \cdot \alpha_g = 20^\circ \text{ el}; \tau_p = \frac{N}{2p} = \frac{18}{2 \cdot 1} = 9 \text{ ut/pol}$$

$$q_s = \frac{N}{2pm} = \frac{18}{2 \cdot 1 \cdot 3} = 3 \text{ ut/(pol+faza)}$$

UTOROVNA ZVEZDA



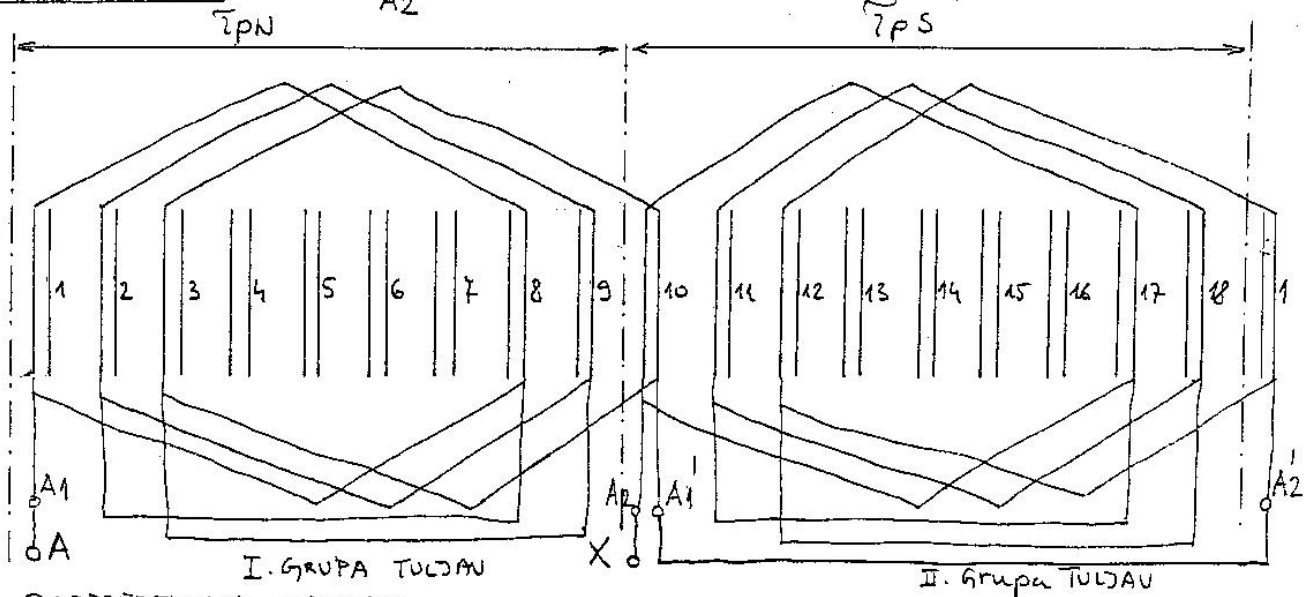
— I GRUPA TULJAV  
 --- II GRUPA TULJAV

$$f_p = \frac{\sin \frac{3 \cdot 20}{2}}{3 \cdot \sin 10} = 0,9597$$

$$f_s = \sin \left( \frac{7}{9} \cdot \frac{\pi}{2} \right) = 0,9395$$

$$f_m = f_p \cdot f_s = 0,9016$$

VEZALNA SHEMA:



RAZPREDELNICA NAVITJA:

