

Önrezgő oszcillátorok



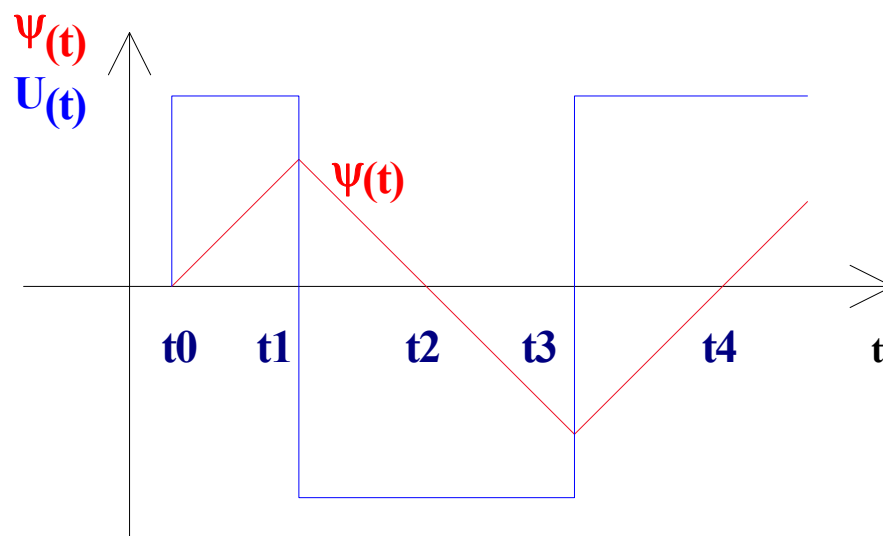
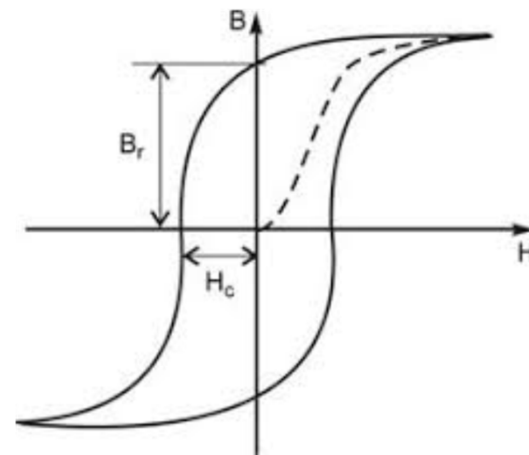
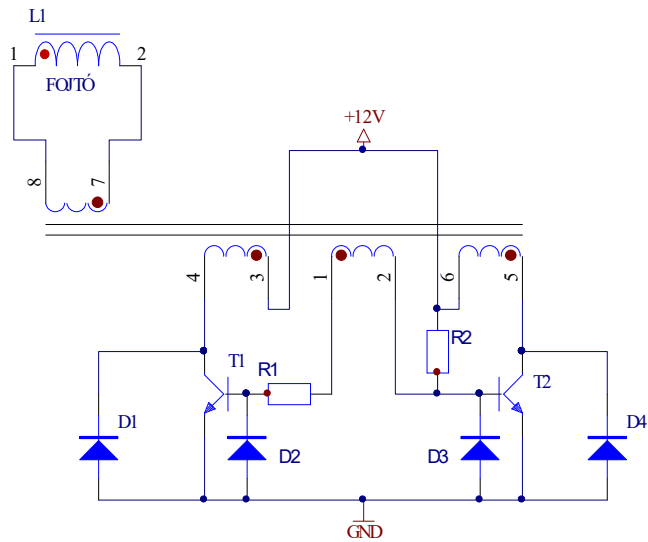
Molnár Károly

PowerQuattro Zrt.

Fejlesztési igazgató

Címzetes Egyetemi Docens





$$U = \frac{d\Psi}{dt}$$

$$\int_0^{\frac{T}{2}} U_B dt = \int_{-\Psi_{MAX}}^{\Psi_{MAX}} dt$$

$$U_B \frac{T}{2} = 2 \Psi_{MAX}$$

$$U_B = 4 f N A_V B_{MAX}$$

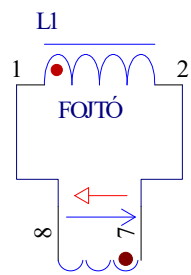
a., a vas „kapcsol”

$$f = \frac{U_B}{4NA_V B_{MAX}} \Rightarrow f \cong kU_B$$

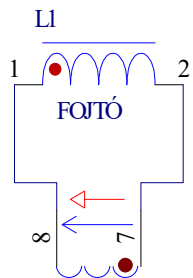
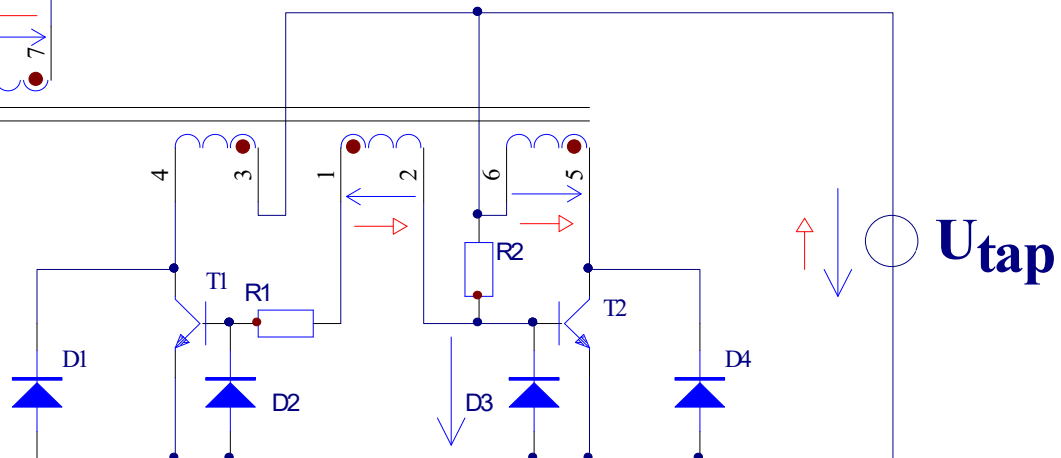
b., a tranzisztor „kapcsol”

$$f \neq kU_B$$

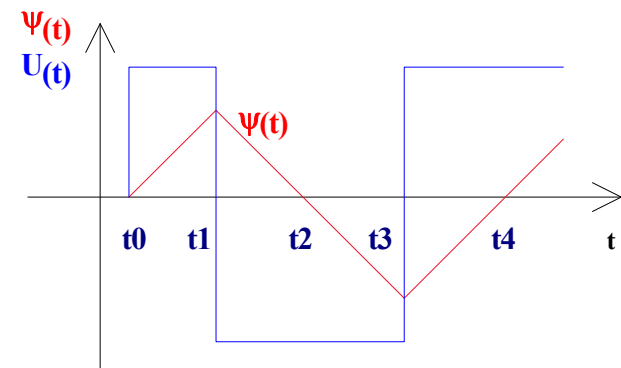
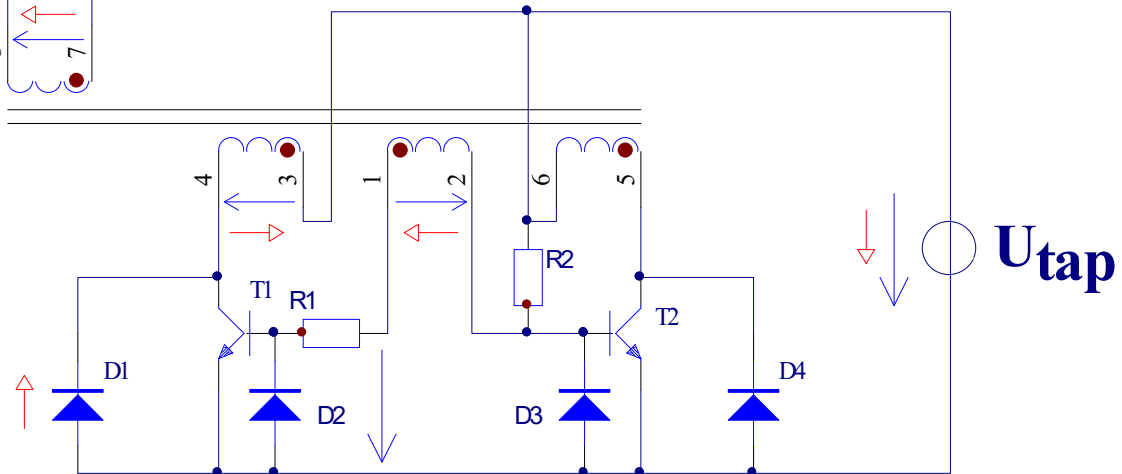
$$U_{KI} = k_1 U_B$$

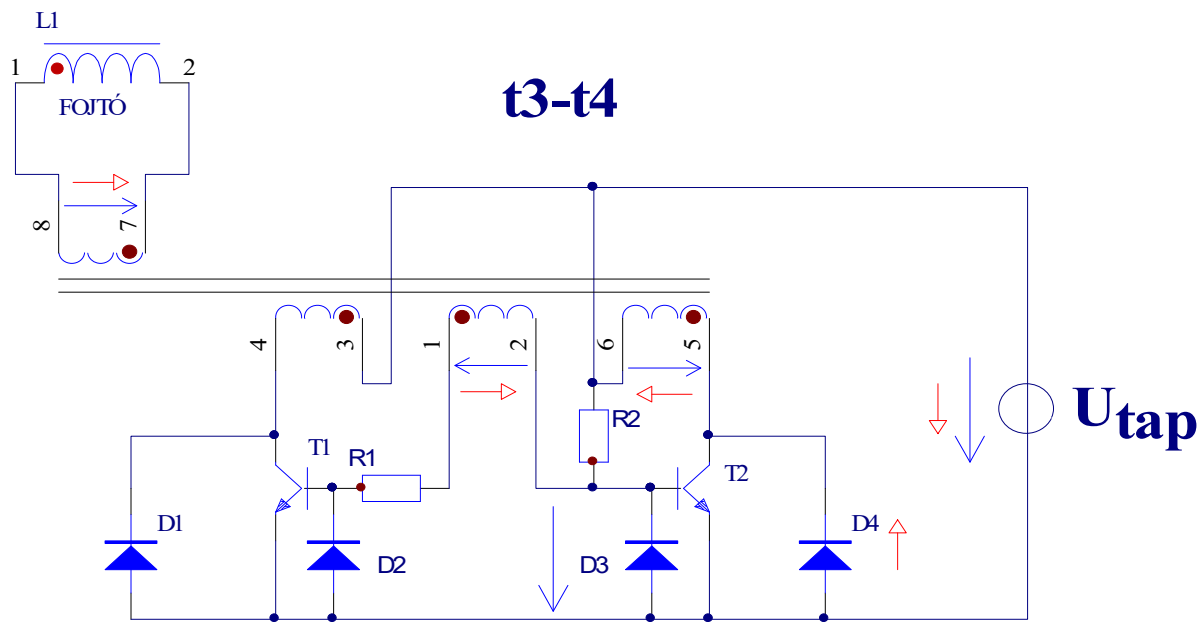
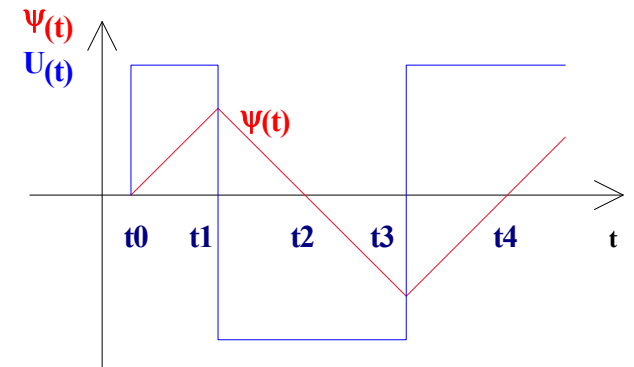
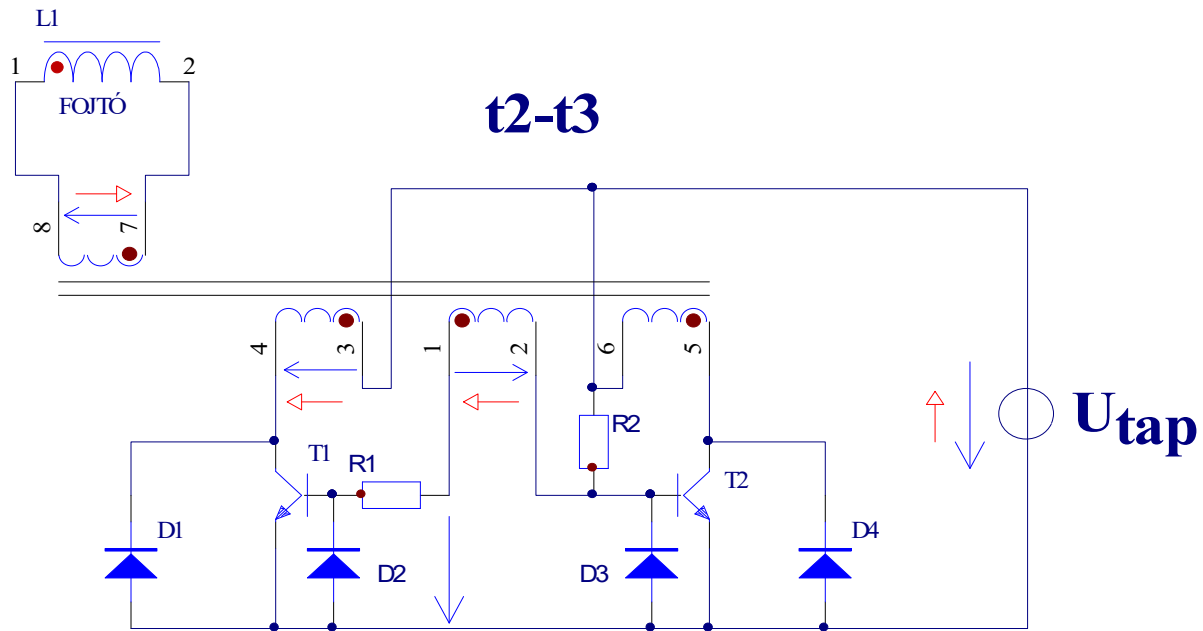


t0-t1



t1-t2





Köszönöm a figyelmet!