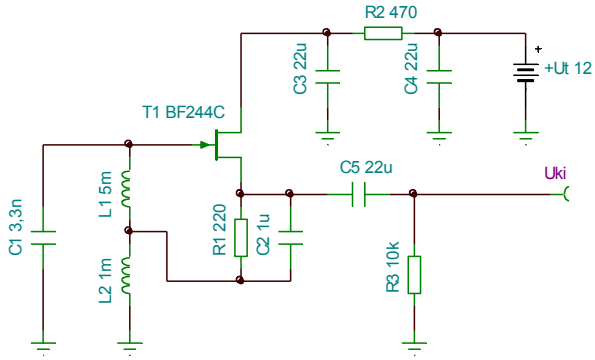
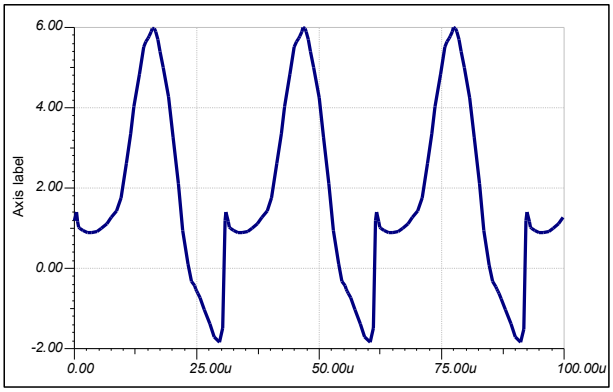
Mike Gábor - 2012. november

Hartley-oszcillátor





A kimeneti jel oszcillogramja
f = 1 / T = 1 / 30 us = 33333 Hz

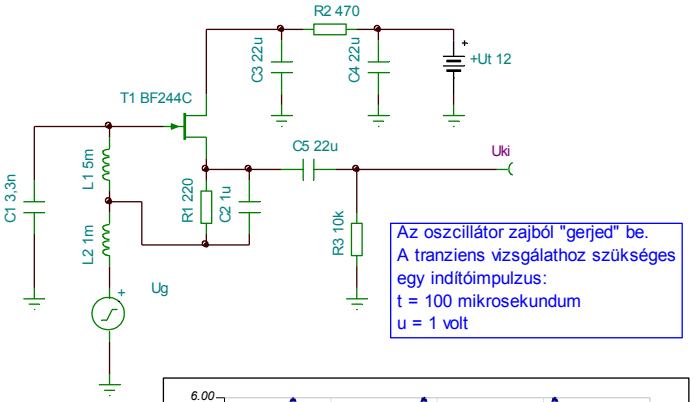
A rezonancia-frekvencia kiszámítása

$$f_0 = \frac{1}{2 \cdot \pi \cdot \sqrt{C_1 [L_1 + L_2]}}$$

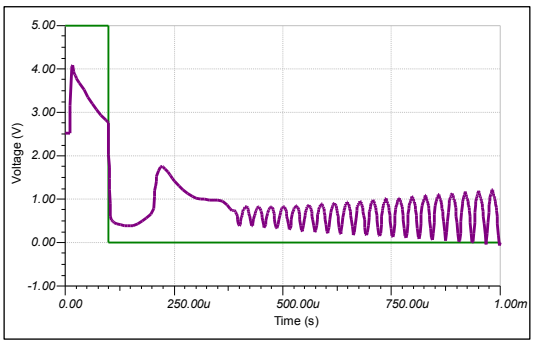
f = 35767Hz

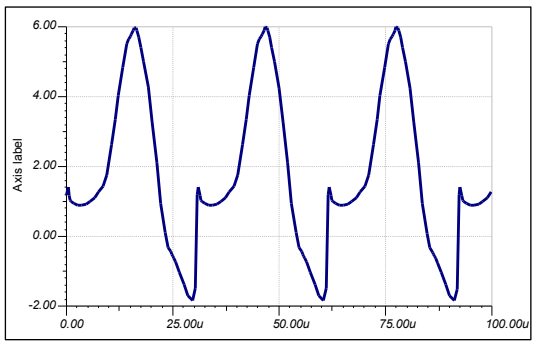
Mike Gábor - 2012. november

Hartley-oszcillátor

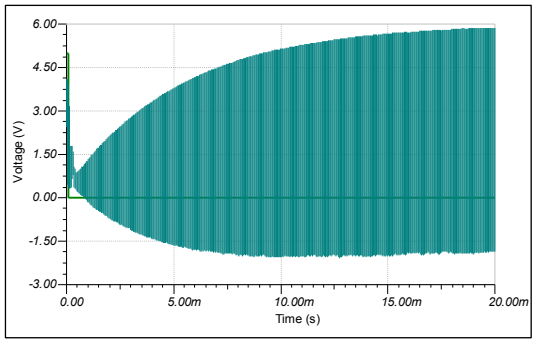


Az oszcillátor zajból "gerjed" be.
A tranziens vizsgálathoz szükséges egy indítóimpulzus:
t = 100 mikrosekundum
u = 1 volt





A kimeneti jel oszcillogramja



A berezgési folyamat
A berezgési idő: kb.: 15 ms