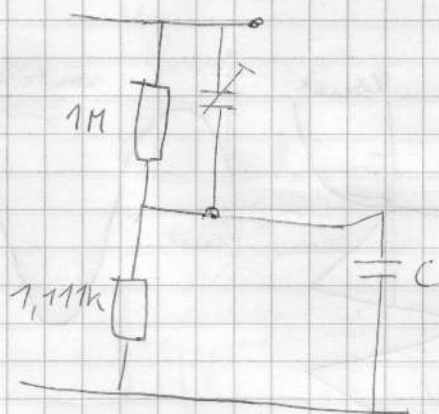
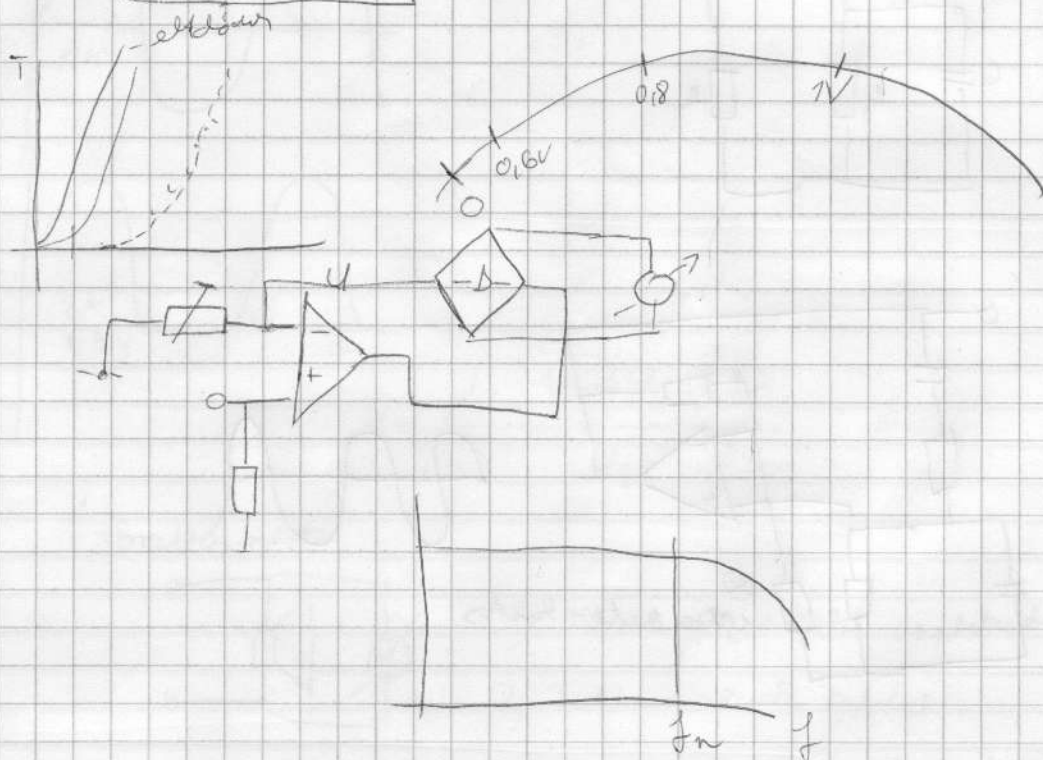
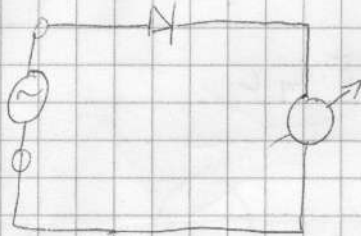


$$A = 10 \log \frac{P_2}{P_1} = 10 \log \frac{\frac{U_2^2}{R}}{\frac{U_1^2}{R}} = 10 \log \frac{U_2^2}{U_1^2} = 10 \log \left(\frac{U_2}{U_1} \right)^2 = 20 \log \frac{U_2}{U_1}$$

1 mV
3 mV
100 mV
300 mV
1 V

mV mètre

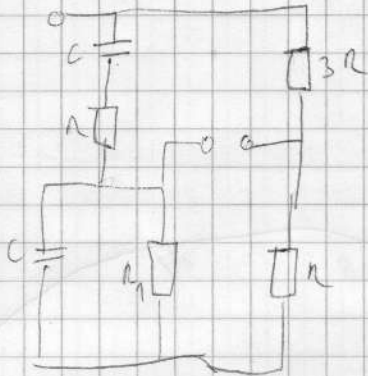


Harvey generator

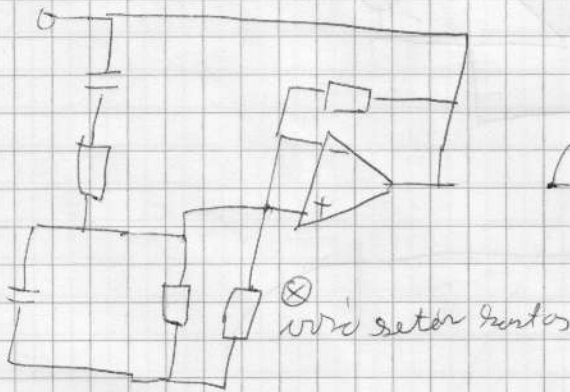
20M-20KHZ 200

0mV 1mV
3mV
10mV
30mV
100mV
300mV
1V

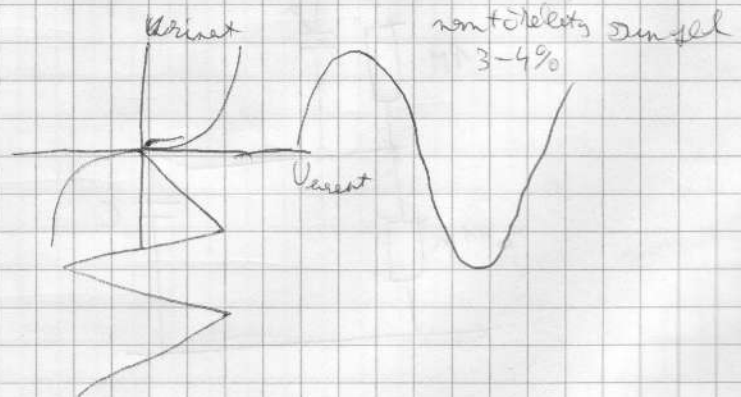
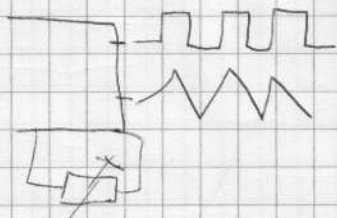
1, When ^{max} ~~the~~ ~~generator~~

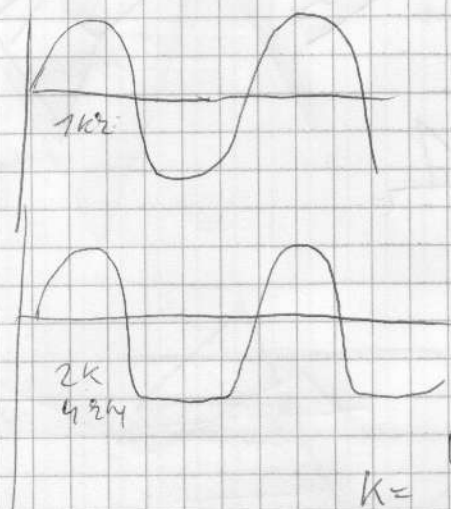
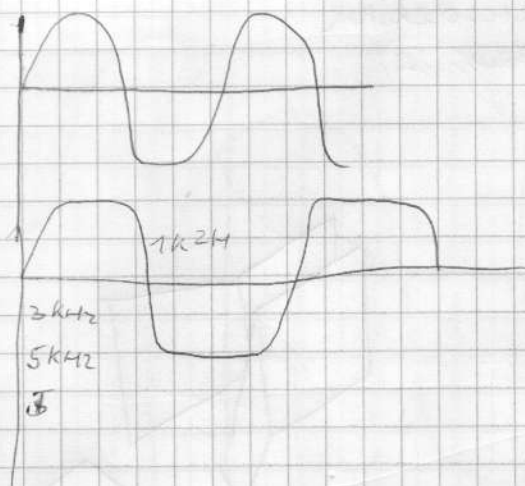


$$f = \frac{1}{2\pi \cdot R \cdot C}$$



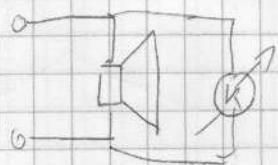
2, Fuzzie generator
XR2206



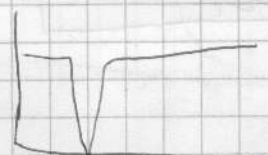
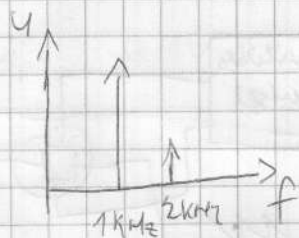


$$K = \frac{U_2 + U_3 + U_4 + U_5 \dots}{U_1} \quad \%$$

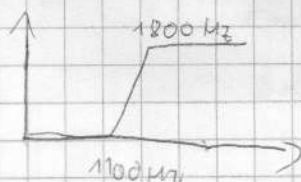
torzítás mértéke



- 1, Mérés a teljes amplitúdóval
- 2, Felhívásról mérés



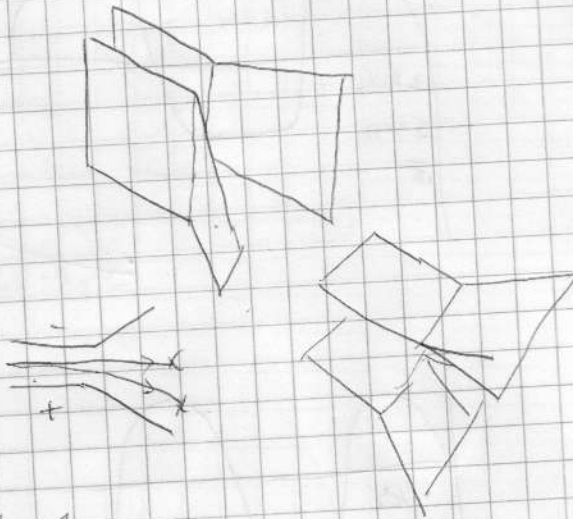
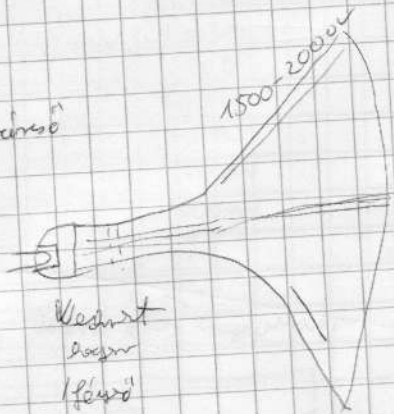
Vonás



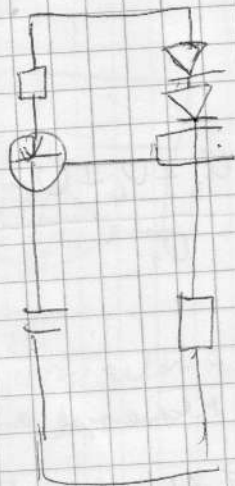
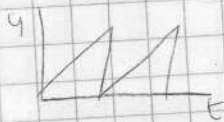
ábrázolás

OSCILLOSKÓPOK (feszültségmérés)

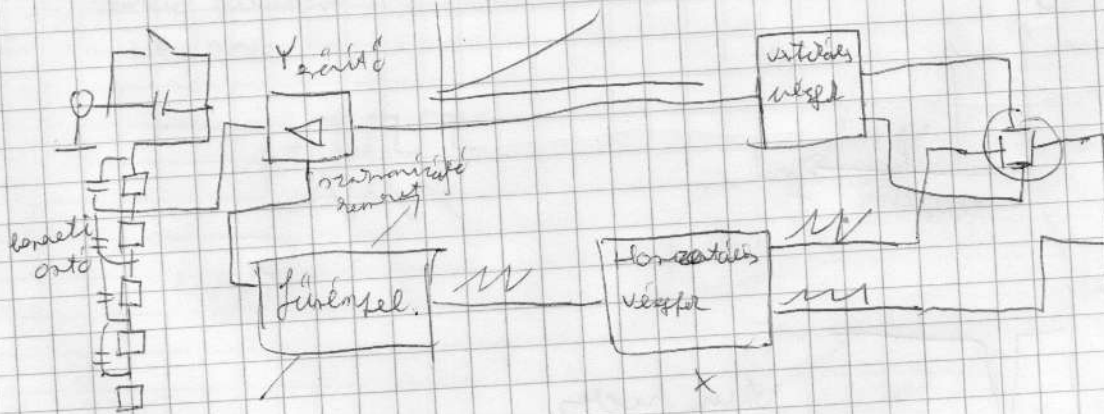
7. Katódvegyítés



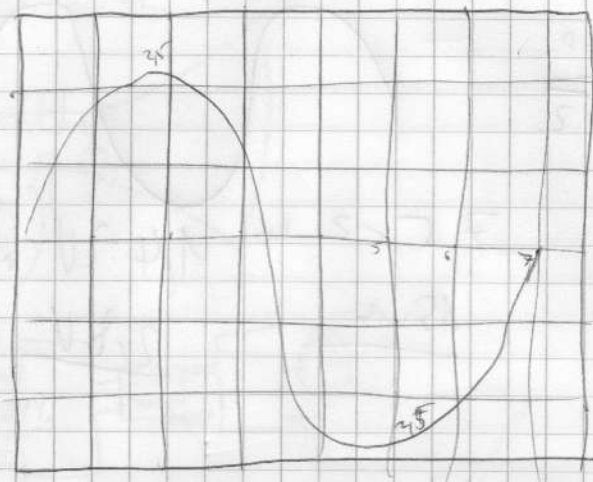
Féltónus



AC/DC átváltás



Féltónus
2x 15V ártól
60-70V
60 - 22 féltónus



20 μ s/div

7 osztás

$$7 \cdot 20 = 140 \mu s$$

$$6.2 \cdot 20 = 124 \mu s$$

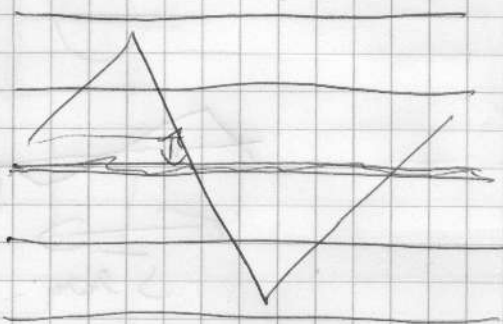
2 V/div

$$U_{p-p} = 10V$$

$$U_{eff} = \frac{U_{p-p}}{2 \cdot \sqrt{2}}$$

0.15
2.5
7.5
11.5

Egyenáramú



5 V/div

Scannetron

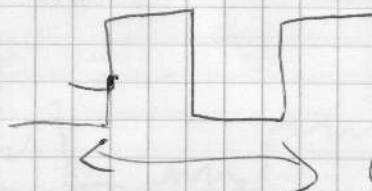
$$5.5 \times 10 \mu s$$

$$55 \mu s$$

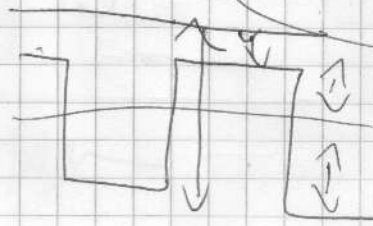
$$f = \frac{1}{T}$$

Amplitúdó
Rendelési
Egyenlőség

$$1.4 \times 1V$$



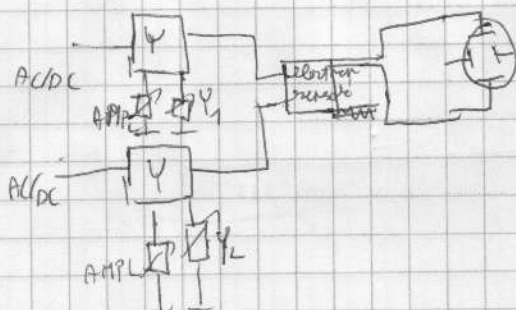
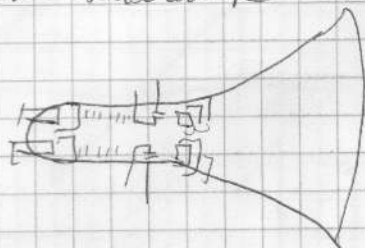
$$6.8 \times 20 \mu m$$



$$1.3$$

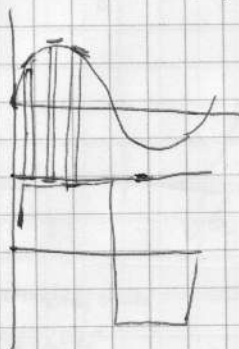
$$-2.7 \quad \boxed{-2}$$

1, kétféle oszcillátor

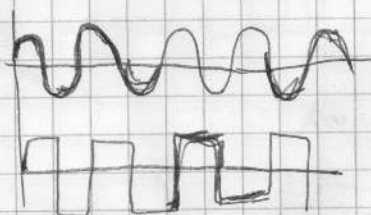


Osztórészek

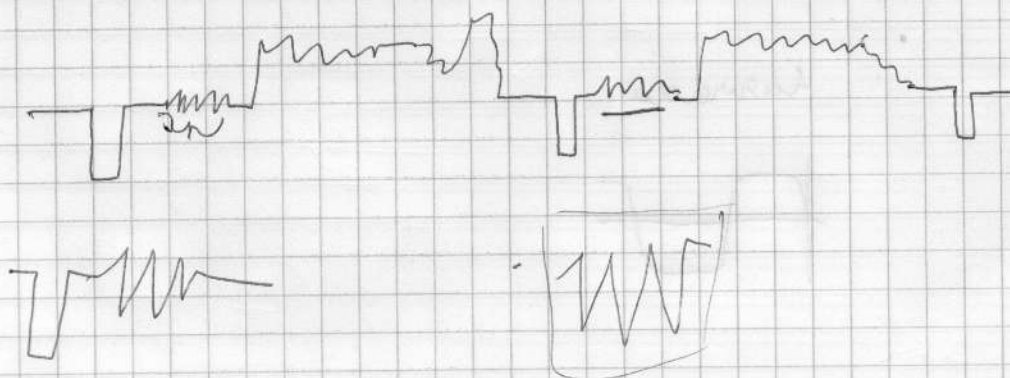
1, szinuszoidális jel

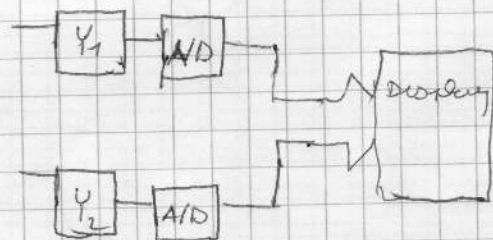
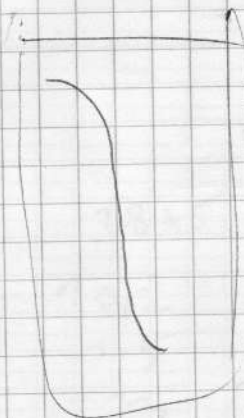
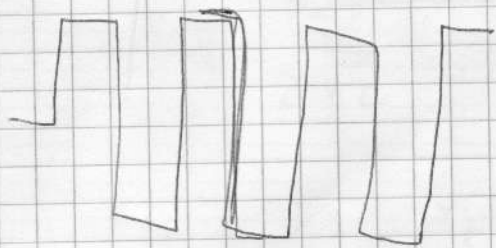


2, négyszögletes jel



kétféle oszcillátor

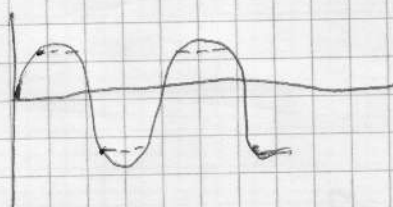




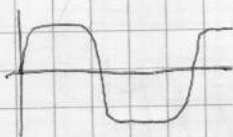
Digitalis oszillátor

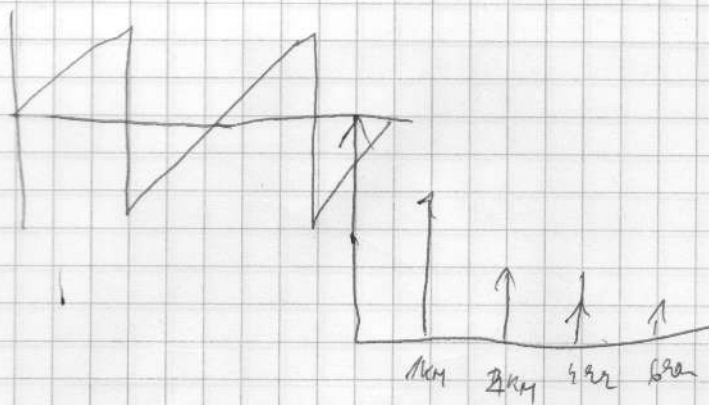
Torzítás

korrelációs torzítás



tűvonal

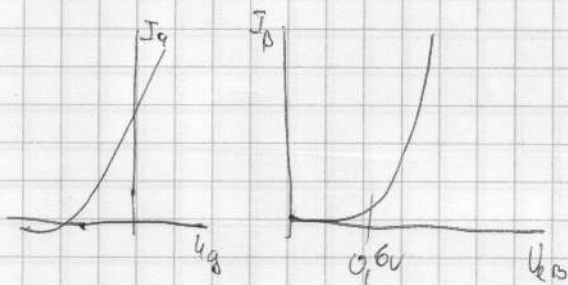




Toritas del

$$K = \frac{\sqrt{U_2^2 + U_3^2 + U_4^2 + U_5^2 + U_n^2}}{U_0} = [\%]$$

Normalización toritas



1kHz

5kHz

3 - 5 cm de
resistencia
12M de resistencia

4kHz

3kHz

Medidas toritas net
fidelidad

