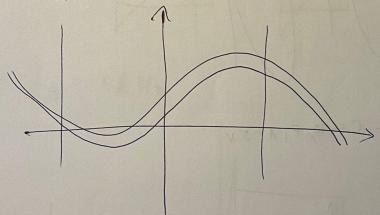
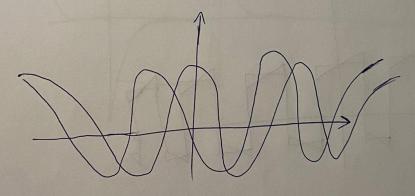
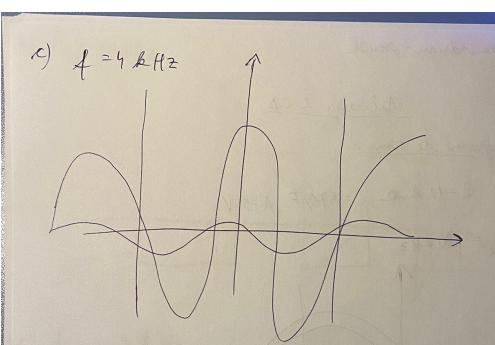
Berejnec Adrian - Daniel

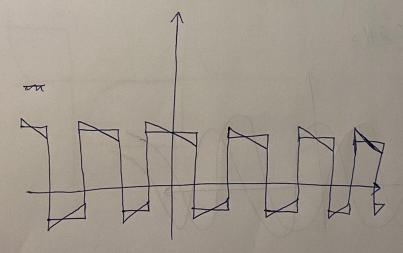
# Aplication 2 CD

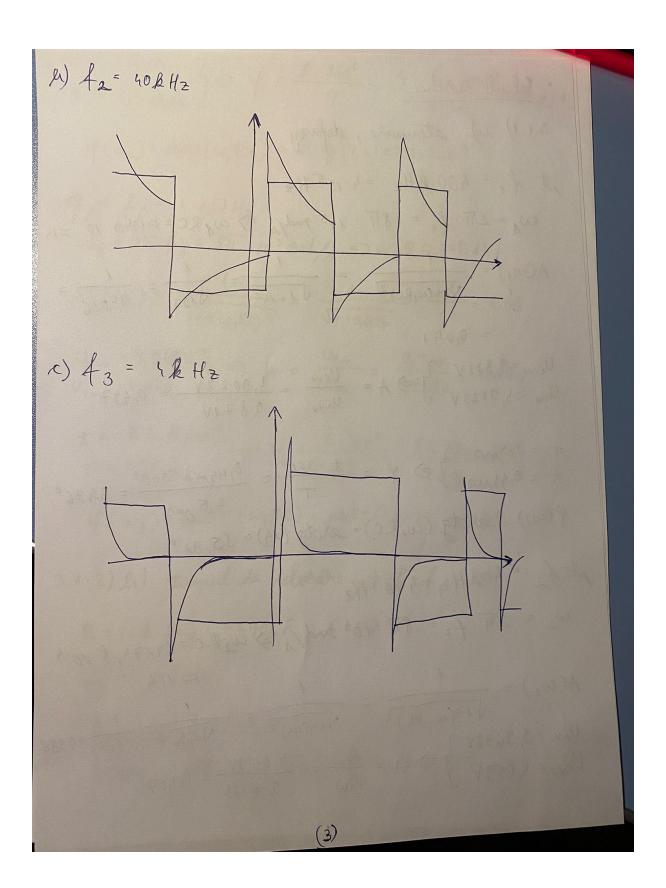
· Diagrame de time :











· Calcule teoretice

3.1.1) le) atemale, defaraj

At f = 400 lette = 4.105 Hz

wa = 211. f1 = 811. 105 rad/s => cupRC = 141749. 10-3=14

 $U_{in} = 9,871V$   $J = A = \frac{U_{ev}}{U_{iv}} = \frac{4,9023V}{9,871V} = 0,497$ 

 $T = 215 \mu s$   $J = 9 = \frac{t - 360^{\circ}}{T} = \frac{0.14 \mu s}{2.15 \mu s} = 63.36^{\circ}$ 9(w,) = arctg (w,RC) = arctg (14) = 85,910

At 42 = 406Hz = 4.104Hz

ev2 = 24 f2 = 887 · 104 rad/s => cuff c = 14174, 8.10-4

 $A(\omega_2) = \frac{1}{\sqrt{1+(\omega_1R\zeta)^2}} = \frac{1}{\sqrt{1+(h_1)^2}} = \frac{1}{\sqrt{2,96}} = \frac{1}{1172} = 9581$ 

Vin = 9,9638V ) => A = Ven = 4,059V = 0,407 Ven = 4,059V ) => A = Vin = 9,9698V = 0,407

T = 25 ms 
$$f = \frac{1}{1000}$$
  $f = \frac{1.360^{\circ}}{100} = \frac{2.518 \text{ ms} \cdot 360^{\circ}}{25 \text{ ms}} = 34,82^{\circ}$ 
 $f(\omega_2) = \text{and}g(\omega_2 RC) = \text{and}g(1,4) = 54,462^{\circ}$ 

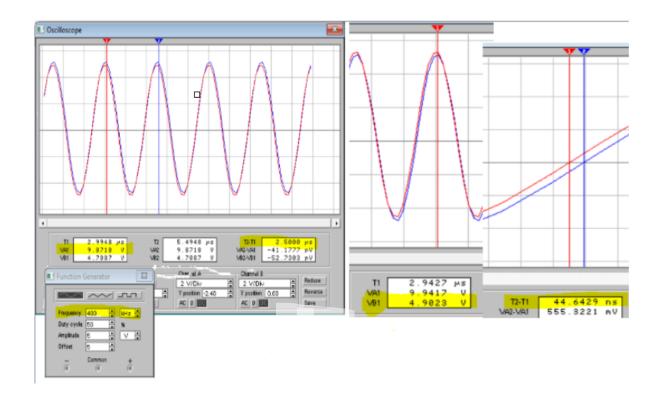
What  $f_3 = 4.103 \text{ Hz}$ 
 $w_3 = 2\pi f_3 = 8\pi \cdot 10^{\circ} \text{ and}/s = > w_3 RC = 0.14$ 
 $A(\omega_3) = \frac{1}{\sqrt{1+(\cos_3 RO)^2}} = \frac{1}{\sqrt{1+a000}} = \frac{1}{100} = 0.89$ 
 $V_{cw} = 9,969 \text{ N} = > A = \frac{\text{Vew}}{\text{Viw}} = \frac{0.91 \text{ N}}{9,369 \text{ N}} = 9.071$ 
 $f = 62.5 \text{ ms} = > f = \frac{1.360^{\circ}}{7} = \frac{62.5 \text{ ms} \cdot 360^{\circ}}{259 \text{ ms}} = 90^{\circ}$ 
 $f(\omega_3) = \text{and}g(\omega_3 RC) - \text{and}f(9.14) = 7,97^{\circ}$ 
 $g(\omega_3) = \text{and}g(\omega_3 RC) - \text{and}f(9.14) = 7,97^{\circ}$ 
 $g(\omega_3) = \text{and}g(\omega_3 RC) - \text{and}g(9.14) = 7,97^{\circ}$ 

teteretic = 2,2.12.103. 17.10-11 = 1240,8:10-8, = 12, 408 ms

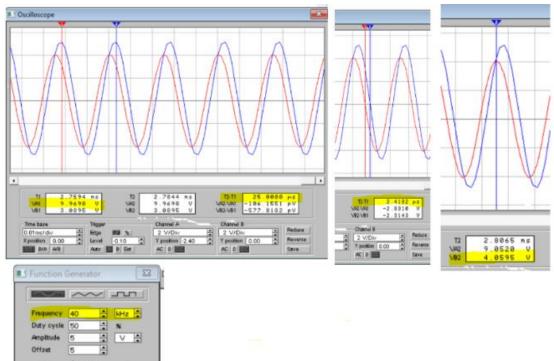
# Masuratori obtinute prin simulare si diagrame :

3.1.1)

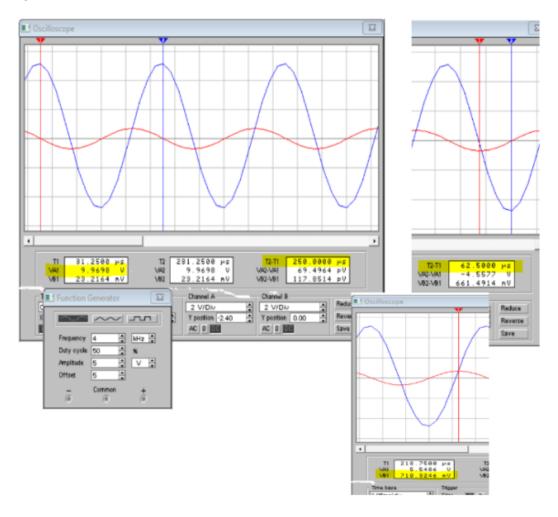
f1 = 400kHz



#### f2 = 40kHz

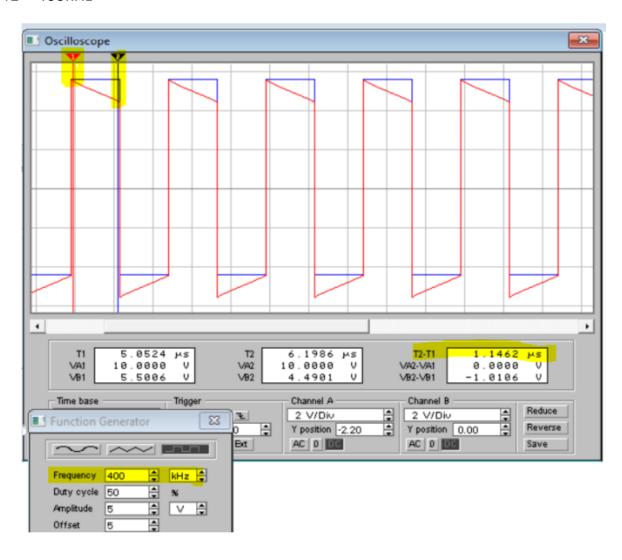


#### f3 = 4 kHz

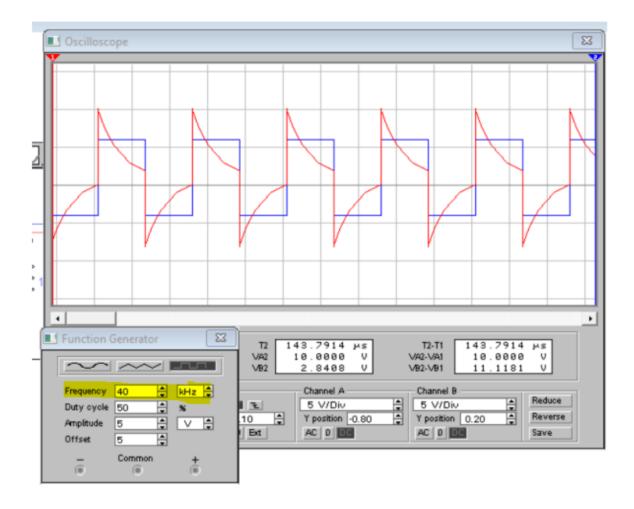


## 3.1.2)

## f1 = 400kHz



## f2 = 40 kHz



### f3 = 4 kHz

