Compunerea Oscilatiilor Paralele de Perioade-Pulsatii putin Diferite (fen. Batailor).vi rev. 18

File Edit View Project Operate Tools Window Help

pi 3.1415

Compunerea Oscilatiilor Paralele de Perioade/Pulsatii putin Diferite (fen. Batailor)

Stop

Y(X)
X(t)
Y(t)
Y=x+y

**Alegeti valori pentru :**

**Autor:** prof.fiz. N.Stefan, Lic. St.Odobleja, Bucuresti, Sect.5

a)-Amplitudini (5-20)cm

| A1x (cm) | A2y (cm) |
|---|---|
| 10 | 20 |

b)-Perioade T= (2-2.5)s, v-frecvente, w-pulsatii

| T 1 (s) | v1=1/T1,Hz | T 2 (s) | v2=1/T2,Hz |
|---|---|---|---|
| 2.3502 | 0.42549( | 2.09 | 0.47846( |

w1=2pi/T1 2.67347 rad/s

w2=2pi/T2 3.00631 rad/s

c)-Faze initiale (-180+180)grd

| f01(grd) | f02(grd) |
|---|---|
| 30 | 90 |

Urmariti :

Dfo-diferenta de faza si Raportul frecventelor;
To-perioada oscilatiilor ; Tb-perioada batailor

Dif. Faza (rad)

Dfo = -1.0472 x Pi

Raport ,v2/v1=T1/T2

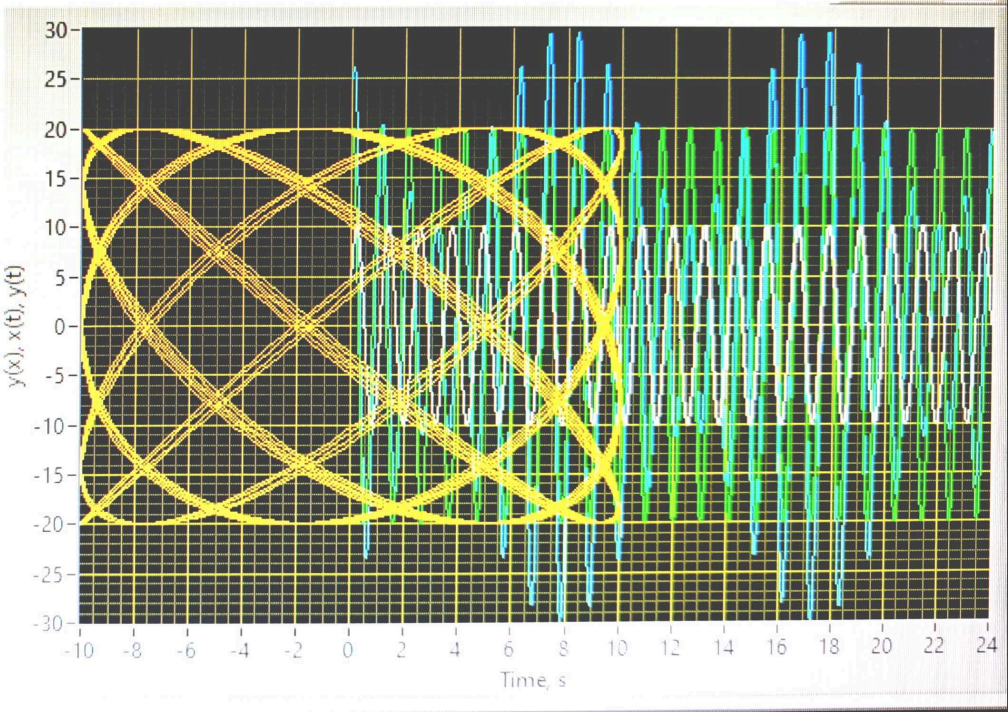
v2/v1= 1.1245

$To = \frac{2T1*T2}{T1-T2}$ 2.21248 ( s )

vo = 1/To 0.4519( (Hz)

$Tb = \frac{T1*T2/}{T1-T2}$ 18.8775 ( s )

vb = 1/Tb 0.05297( (Hz)



Compunerea Oscilatiilor Paralele de Perioade-Pulsatii putin Diferite (fen. Batailor).vi rev. 18

File Edit View Project Operate Tools Window Help

pi 3.1415

Compunerea Oscilatiilor Paralele de Perioade/Pulsatii putin Diferite (fen. Batailor)

Stop

Y(X)
X(t)
Y(t)
Y=x+y

**Alegeti valori pentru :**

a)-Amplitudini (5-20)cm

A1x (cm) 10

A2y (cm) 20

b)-Perioade T= (2-2.5)s, v-frecvente, w-pulsatii

T 1 (s) 2.3502 v1=1/T1,Hz 0.42549(

w1=2pi/T1 2.67347 rad/s

T 2 (s) 2.094 v2=1/T2,Hz 0.47755

w2=2pi/T2 3.00057 rad/s

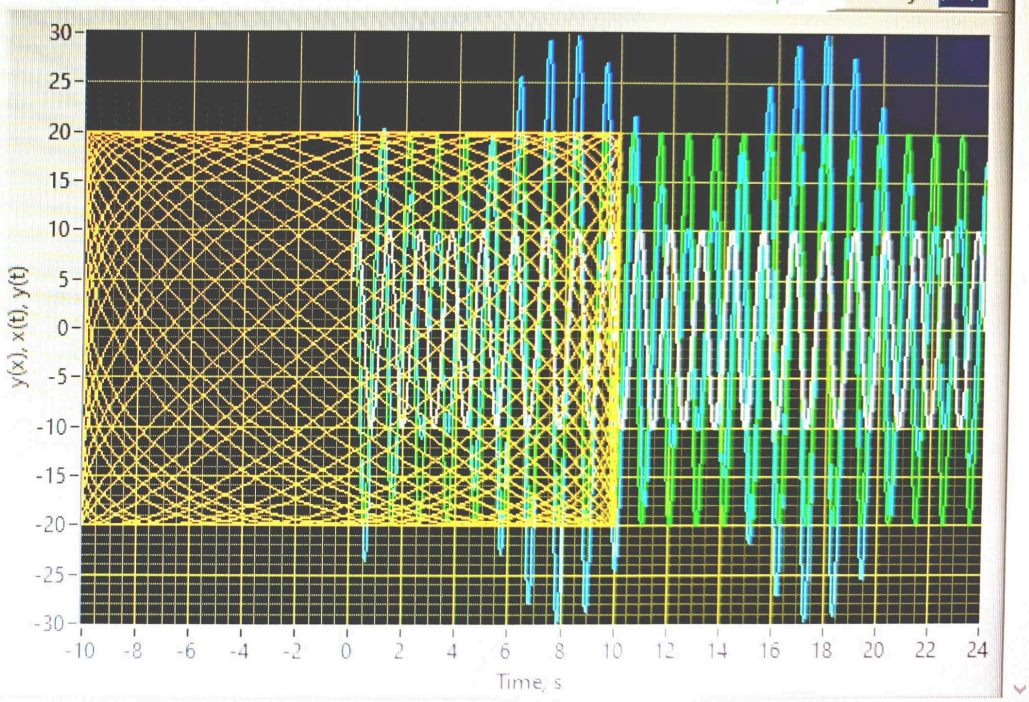
c)-Faze initiale (-180÷180)grd

f01(grd) 30

f02(grd) 90

**Autor:** prof.fiz. N.Stefan, Lic. St.Odobleja, Bucuresti, Sect.5

XY Graph




Urmariti :

Dfo-diferenta de faza si Raportul frecventelor;
To-perioada oscilatiilor ; Tb-perioada batailor

Dif. Faza (rad)

Dfo = -1.0472 x Pi

Raport ,v2/v1=T1/T2

v2/v1= 1.12235

To = 2T1*T2 / T1-T2 2.2147( s )

vo = 1/To 0.4515( (Hz)

Tb = T1*T2/ / T1 - T2 19.2089 ( s )

vb = 1/Tb 0.05205( (Hz)

Compunerea Oscilatiilor Perpendiculare de Amplitudini si Frecvente-Pulsatii Diferite.vi rev. 11

Edit View Project Operate Tools Window Help

Pi 3.1415

**Compunerea Oscilatiilor Perpendiculare de Amplitudini si Frecvente/Pulsatii Diferite (fig . Lisajoux)**

Y(X) X(t) Y(t)

**Alegeti valorile :**

**Autor:** prof.fiz. N.Stefan, Lic. St.Odobleja, Bucuresti, Sect.5

XY Graph

Amplitudinilor (5-20)cm

A 1 (cm) 4

A 2 (cm) 10

Perioadelor (0.5-2) s

T 1 (s) 0.5

v1=1/T1 2

T 2 (s) 5

v2=1/T2 0.2

Fazelor initiale (0.2-2)rad

f 01(rad) 0.2

f 02 (rad) 1.2

STOP

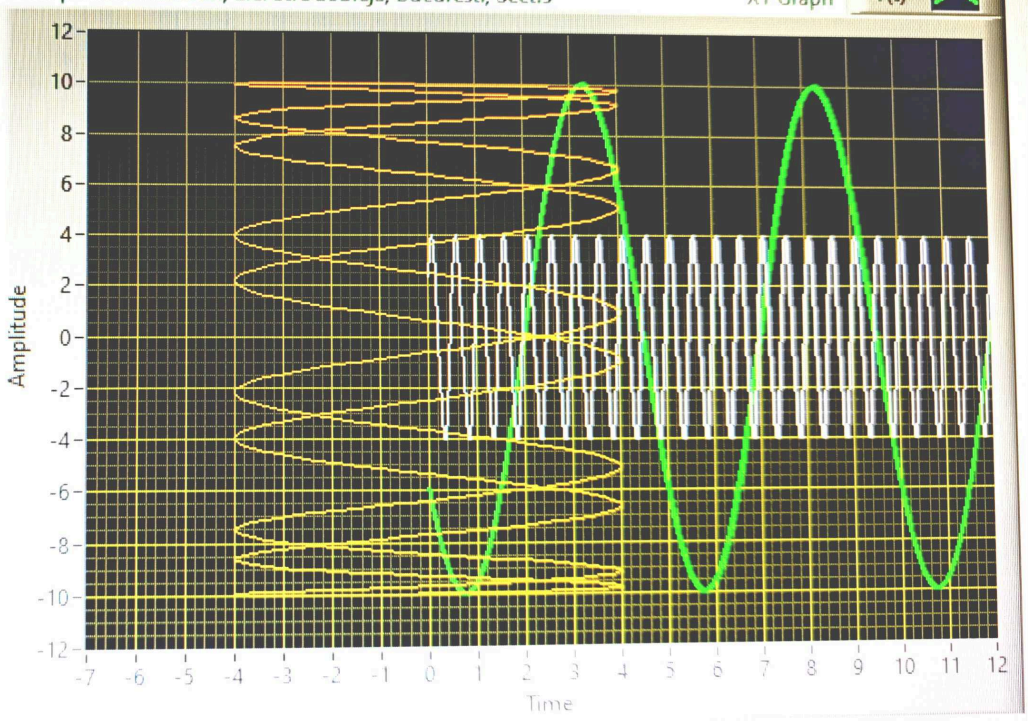
Urmariti :

Diferenta de Faza si Raportul Frecventelor

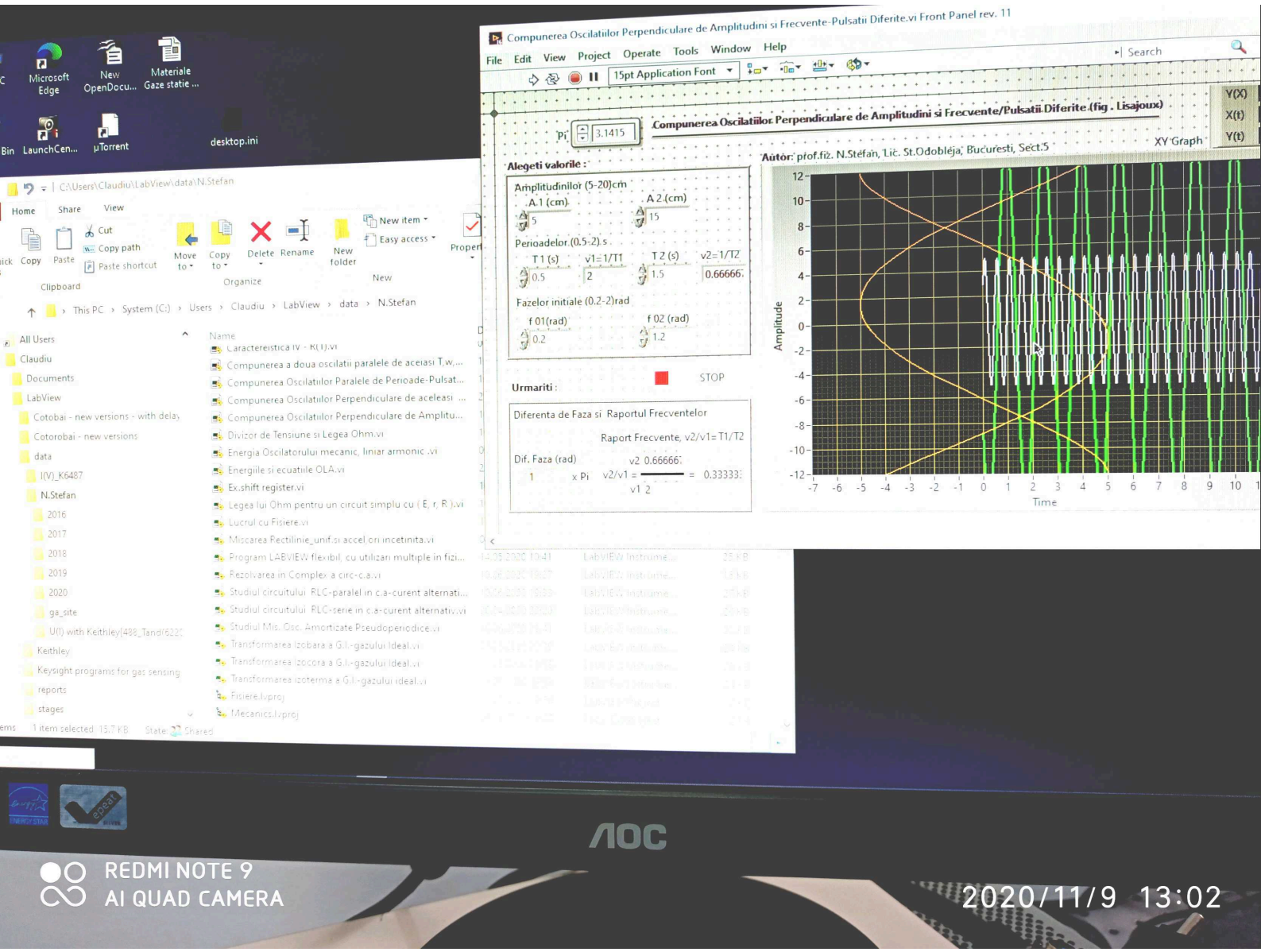
Raport Frecvente, v2/v1=T1/T2

Dif. Faza (rad)

1 x Pi v2/v1 = v2 0.2 / v1 2 = 0.1




2020/11/9 13:12


Compunerea Oscilatiilor Perpendiculare de Amplitudini si Frecvente-Pulsatii Diferite.vi Front Panel rev. 11
File Edit View Project Operate Tools Window Help
15pt Application Font
Search
Pi 3.1415
Compunerea Oscilatiilor Perpendiculare de Amplitudini si Frecvente/Pulsatii Diferite (fig . Lisajoux)
Autor: prof.fiz. N.Stefan, Lic. St.Odobleja, Bucuresti, Sect.5
XY Graph
Y(X)
X(t)
Y(t)
Alegeti valorile :
Amplitudinilor (5-20)cm
A.1 (cm) 5
A.2 (cm) 15
Perioadelor (0.5-2) s
T1 (s) 0.5
v1=1/T1 2
T2 (s) 1.5
v2=1/T2 0.66666
Fazelor initiale (0.2-2)rad
f 01(rad) 0.2
f 02 (rad) 1.2
Urmariti :
STOP
Diferenta de Faza si Raportul Frecventelor
Raport Frecvente, v2/v1= T1/T2
Dif. Faza (rad)
1 x Pi
v2 0.66666
v2/v1 = ------ = 0.33333
v1 2
Amplitude
Time
C:\Users\Claudiu\LabView\data\N.Stefan
Home Share View
Cut
Copy path
Paste shortcut
Copy Paste
Move to Copy to Delete Rename New folder
New item
Easy access
Clipboard
Organize
New
This PC › System (C:) › Users › Claudiu › LabView › data › N.Stefan
All Users
Claudiu
Documents
LabView
Cotobai - new versions - with delay
Cotorobai - new versions
data
I(V)_K6487
N.Stefan
2016
2017
2018
2019
2020
ga_site
Keithley
Keysight programs for gas sensing
reports
stages
Name
Caracteristica IV - K(T).vi
Compunerea a doua oscilatii paralele de aceiasi T,w,...
Compunerea Oscilatiilor Paralele de Perioade-Pulsat...
Compunerea Oscilatiilor Perpendiculare de aceleasi ...
Compunerea Oscilatiilor Perpendiculare de Amplitu...
Divizor de Tensiune si Legea Ohm.vi
Energia Oscilatorului mecanic, liniar armonic .vi
Energiile si ecuatiile OLA.vi
Ex.shift register.vi
Legea lui Ohm pentru un circuit simplu cu ( E, r, R ).vi
Lucrul cu Fisiere.vi
Miscarea Rectilinie_unif.si accel.or incetinita.vi
Program LABVIEW flexibil, cu utilizari multiple in fizi...
Rezolvarea in Complex a circ-c.a.vi
Studiul circuitului RLC-paralel in c.a-curent alternati...
Studiul circuitului RLC-serie in c.a-curent alternativ.vi
Studiul Mis.Osc. Amortizate Pseudoperiodice.vi
Transformarea Izobara a G.I.-gazului Ideal.vi
Transformarea Izocora a G.I.-gazului Ideal.vi
Transformarea Izoterma a G.I.-gazului ideal.vi
Fisiere.lvproj
Mecanics.lvproj
1 item selected 15.7 KB
State: Shared
Microsoft Edge
New OpenDocu...
Materiale Gaze statie ...
LaunchCen...
µTorrent
desktop.ini
AOC
REDMI NOTE 9
AI QUAD CAMERA
2020/11/9 13:02