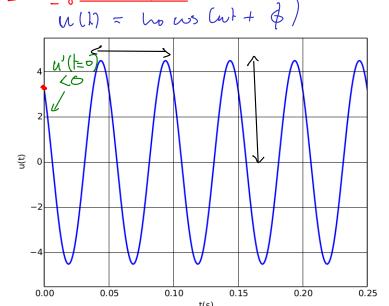
## 1D 82 - Com'ge

S1 - Signal simusoi dal



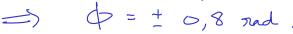
Paniode T= 0,000

Frigrence 
$$f = \frac{1}{7} = 20 \text{ Hz}$$
  
Pulsate:  $w = 27 \text{ f}$   
= 125 rad.s-1

Amplitude: 4,5 5.I. Phase a borigine of) u(+=0) = no cest =  $\omega s \phi = \frac{u(t-0)}{u_0}$ 

avec u | t=0) = 3, 2 SI.

$$\frac{1}{2}\cos\varphi = \frac{3.2}{4.5}$$



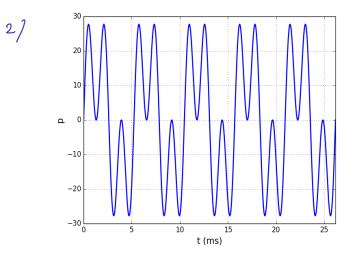
( cos 2 = cus (-2) \$ = + 0,8 rad.

Signe de \$: n'(1) = - www sin(wt + \$) à t=0 n'(t=0) = - u no sind -> \$ \( \( \) \( \) => \$ \( \) = 0,8 rad.

32 - Signal simo i dal mono-rechesse

## 53 - Addition & multiplication de deun signaus

$$D(H = Dm cos(wt) + Dm sin(2wt)$$



$$2.2./\alpha$$
  $3.2.2.2$   $3.2.2$   $3.2.2$   $3.2.2$   $3.2.2$   $3.2.2$   $3.2$ 

$$P_{2}(\lambda) = D_{m} \text{ sin} (2\omega t) - \frac{1}{2} = \frac{2\pi}{2\omega} = \frac{7\pi}{2} = \frac{1}{2}$$

$$1.1. / S(\lambda) \text{ pēriode lique}$$

$$de \text{ pēriode la} (+\pi i vial)$$
on risondie;

$$p(f)$$
 = as  $\cos(zin f_1 t + \varphi_1)$   
+  $a_2 \cos(zin f_2 t + \varphi_2)$ 

2.3./Linearisons 
$$p(t)$$
.

 $p(h) = \Delta m^2 \cos(\omega t) \sin(\omega t)$ 

avec;

 $\sin p + \sin q = 2\sin(\frac{p+q}{2})\cos(\frac{p-q}{2})$ 

over 
$$\int_{\frac{\pi}{2}}^{\pi} = \omega$$

$$\int_{\frac{\pi}{2}}^{\pi} = 2\omega$$

$$\int_{\frac{\pi}{2}}^{\pi}$$

## S4- Température

1/ La temperature n'est pas préviodique....

21. -- mais une andyn spretnak methant en étridence les grasi-périodes suivantes:

T = 24 h

T' = 1 an