

+

-

+

-

+

-

Vs

Vs

a

b

b

a

b

Ve

Vs

F=50Hz, R=100Ω , C=2200µF

*Av*

*Ve*

*Vs*

RL

*Vi=AvVe*

*Zs= 8K*

*Ze*

*Ve*

Vs

*Vg=10mV*

*Zg=100 Ω*

*RL*

*Générateur*

*Amplificateur*

*Charge*

*Vi = AvVe*

*Zs*

*Ze*

*Ve*

*Vg*

*Zg*

*RL*

*Générateur*

*Amplificateur*

*Charge*

Vs

*Vcc=12V*

*Rc=8k*

*E*

*B*

*C*

*E*

*B*

*C*

*Vs*

*RB*

RL

1K

*VS1*

*RB1*

*RB2*

*270k*

*36k*

*300k*

RE

1k

*β =200*

*β =200*

10mV

100Ω

RE

560Ω

*0*

*1*

*2*

*4*

*3*

*5*

*6*

*7*

8

*9*

*10*

*to*

*τ*

2/3ΔV

ΔV

*t2*

*t1*

Ve

Vs

*0*

*1*

*2*

*4*

*3*

*5*

*6*

*7*

8

*9*

*10*

*to*

*τ*

⅔ ΔV

ΔV

*t2*

*t1*

*-5*

*-4*

*-2*

*-3*

*-1*

*τ*

*Continuité mathématique*

⅔ ΔV

⅓ΔV

*τ*

⅓ ΔV

⅔ ΔV

E1

E2

*1 ms*

*0*

*2*

*4*

*6*

8

*10*

*-4*

*-2*

*-6*

*-8*

*-10*

*-12*

*-14*

*τ*

*1 ms*

Ve

Vs

E1

E2

E3

E5

E4

*to*

*t1*

*t2*

*0*

*2*

*4*

*6*

8

*10*

*to*

*t1*

E

*τ=60µs*

*100 µs*

Vs

Veq

*0*

*2*

*6*

*12*

*10*

8

*14*

*-2*

*-4*

*to*

*t1*

*τ=75µs*

*100 µs*

E1

E2

E3

*3.75*

Ve

Vs

*continuité mathématique*

***+***

***-***

***Ve***

***Vs***

***R2***

***R1***

***i***

***i***

***=0***

*source*

*Charge*

*Av2*

*f02*

*Av1*

*f01*

+

-

1K

*ve*

10K

+

-

1K

100K

*vs*

gain 11 (20.8 dB) f0 = 326KHz

gain 101 (40.1 dB) f0 = 34.1kKHz

gain 1111 (60.9 dB) f0 = 34.1kKHz

+

-

*v*

*s*

*C*

*v*

*e*

*R*

Rf

+

-

*v*

*s*

100n

*v*

*e*

3k

100k

*1 ms*

-10

Ve

10

Vs

8

-8

6

4

2

0

-2

-4

-6

+

-

*Vs*

*Ve*

100k

100nF

100nF

3k

3k

*1 ms*

-10

Ve

10

Vs

8

-8

6

4

2

0

-2

-4

-6

R

10k

1mA

*Volts*

-10.00

R

10k

*Volts*

10.00

1mA

Vs1

Vs2

Vc1

Vc2