Tarea 3	Electrónica Analógica
WAV	Av/dB Av=Vsal
0.00100 1	
0.01Wc 1	0dB fc= Wc.
0.1We 0.98	Annual Contract of
ω <sub>c</sub> 0.70 5ω <sub>c</sub> 0.193	(1) = 0 001 (1)
10ω 0.098	77 200
120 WC 0.049	-26.5dg = 3.96v -26.5dg = 3.96v Vsal = 3.96v Au = 3.96v 3.96v
@ W=0.014	
fc= wo =	157,707100/seg = 24.99Hz Vent = 3.99V Av=3.99 757
	14vld8 = 20 log.o(1)
Bw=0.1Wc	= 088/ 15770019dsm 2400011 Nonto 1 13.94
fc = Wc = 2m	1577:07 adseg = 249.98 Hz Vent= 4v Av= 44 277 Vent= 3.94 -0.98
Owc	$ 4_{1} _{dB} = 20 \log_{10}(0.98)$ $= -0.131 dB$
fc = wo	= 15770.7 rad/seg = 2499.84 Hz   Vent = 3.97 v ZYY 1779 030
3) 5wc	7 Av= 7.79 = 0.70 / 14v1/8= 20 logo (6.70)
W=5(15.	707 / 190/89) = 78,535 (ad/seg)
fc=wc:	707 h (90/50) = 78,535 (00/100) = -3.0628 -3.0628 Vent = 3.98 v 4 = 3.98 Vent = 3.98 v 4 = 3.98 Ve

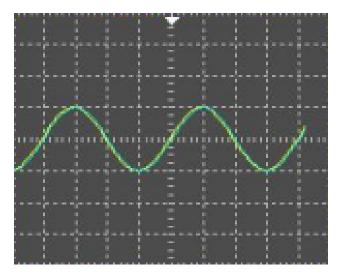
Vent = 3.990 @ 40 Wc W=10(15.707 19 (ad/seg) = 157.070 (ad/seg) fc = wc = 157070 = 74998.46Hz 141/e8 = 20 logio (0.098) = -20.15dD 10 vc Vent= 3.960 w=20 (15.707 19 rad/sq)=314140 rad/seg Vsal= 195mV fc= cuc = 314140 = 49996.93Hz 14v118=20 logio (0,997) =-76-15 dB

## **Simulaciones**

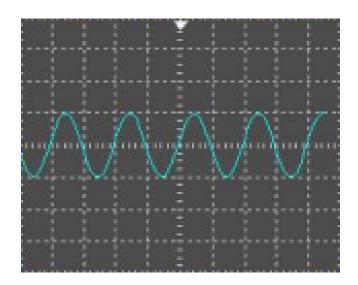
1) 0.001 Wc

W = 0.001 Wc

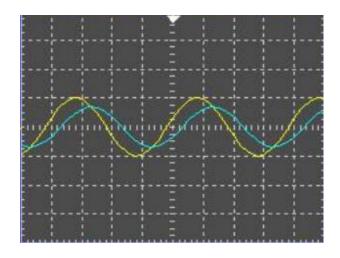
fc = 249.98 Hz



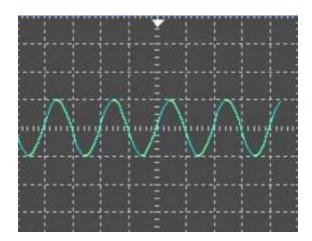
2) 0.01 Wc W = 0.01 Wc fc = 2.499 Hz



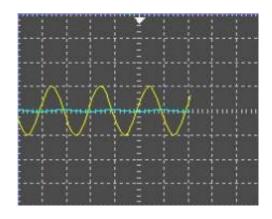
3) 0.1 Wc W = 0.1 Wc fc = 2499.8 Hz



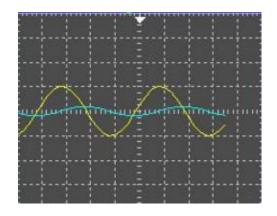
4) Wc fc = 24.99 Hz



5) 5 Wc W = 5 Wc fc = 49.99 kHz



6) 10 Wc W = 10 Wc fc = 12.49 kHz



7) 20 Wc W = 20 Wc fc = 2499.8 Hz

