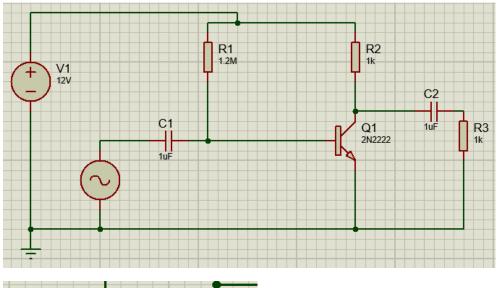
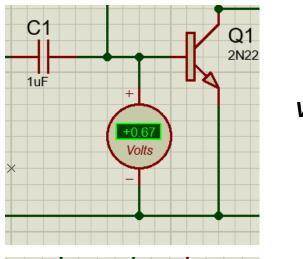
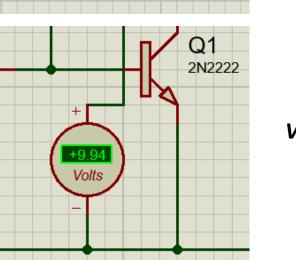
SIMULACIONES PRÁCTICA 04 – CIRCUITOS DE POLARIZACIÓN CON BJT Y FET

3.1 CIRCUITO DE POLARIZACIÓN FIJA DEL TRANSISTOR BIPOLAR.

2N2222

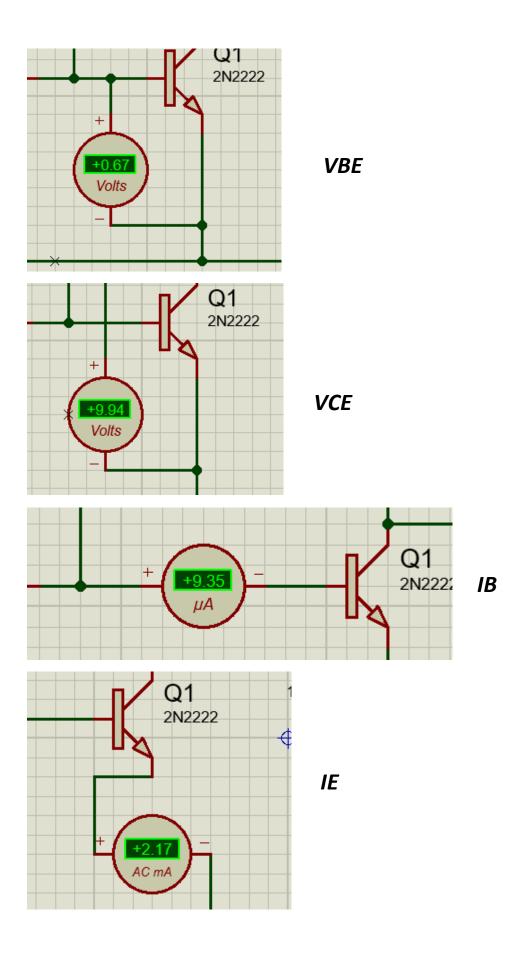


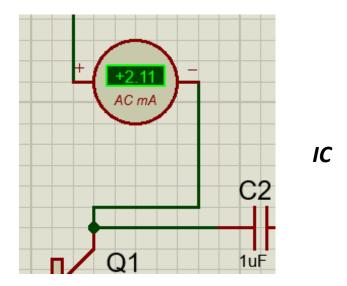


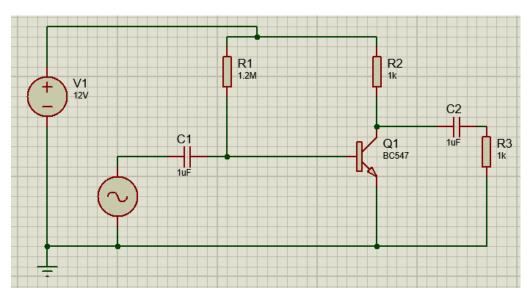


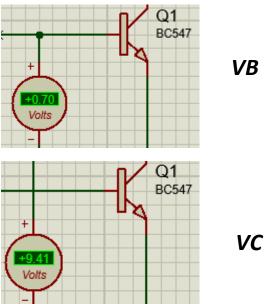
VB

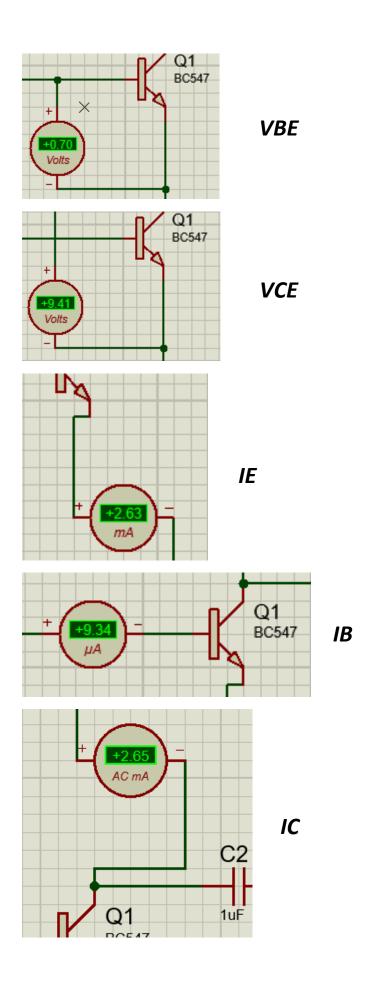
VC





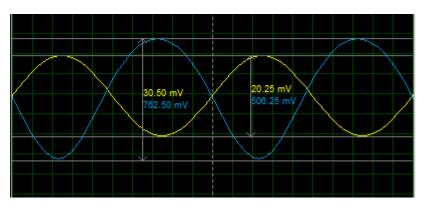






3.1.2 MEDICIONES DE LA AMPLIFICACIÓN DE SEÑALES

2N2222



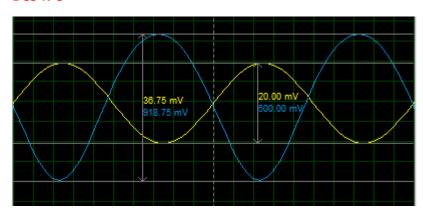
CANAL 1: Vi

CANAL 2: Vo

0.13v/div Canal 2 (azul)

5mv/div Canal 1 (amarillo)

BC547C



CANAL 1: Vi

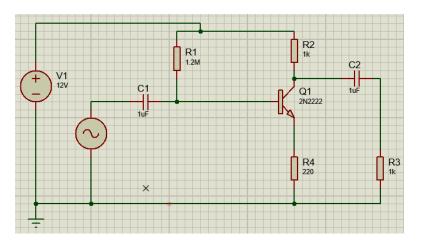
CANAL 2: Vo

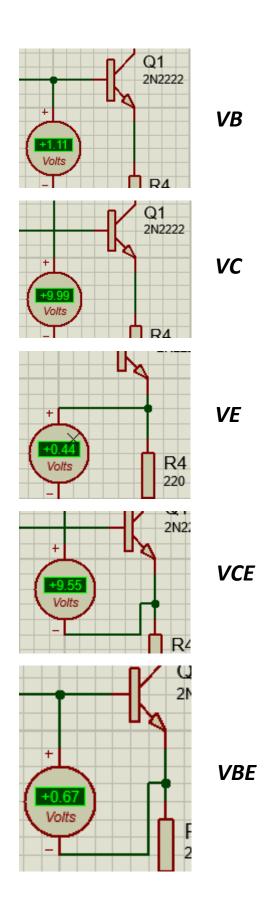
0.13v/div Canal 2 (azul)

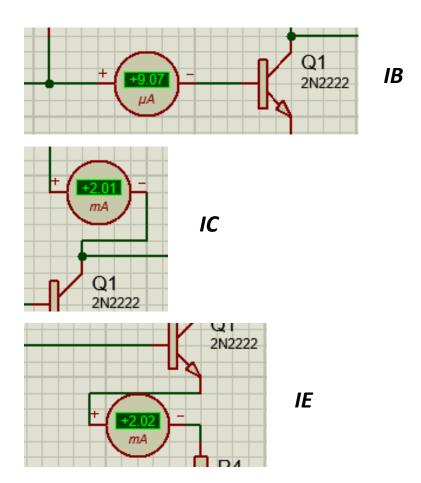
5mv/div Canal 1 (amarillo)

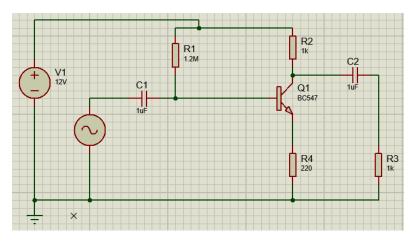
3.2 CIRCUITO DE POLARIZACIÓN ESTABILIZADO EN EMISOR DEL TRANSISTOR BIPOLAR.

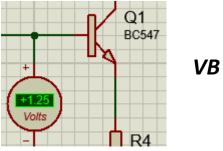
2N2222

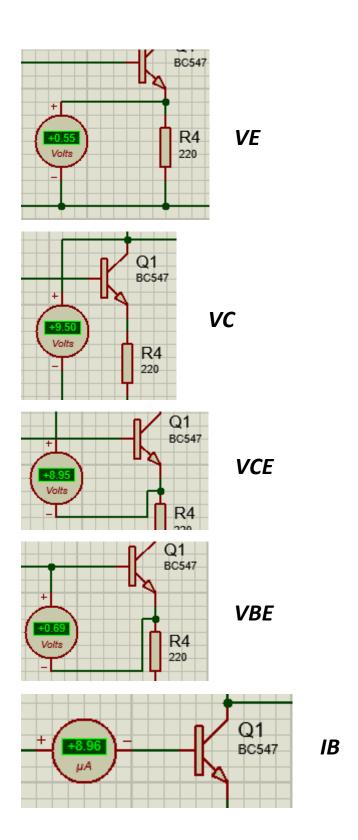


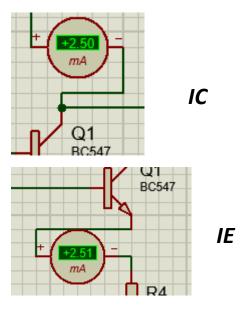






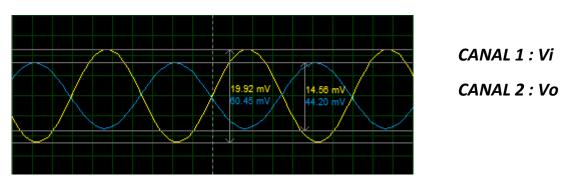






3.2.2 MEDICIONES DE LA AMPLIFICACIÓN DE SEÑALES

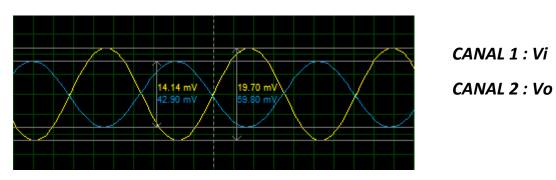
2N2222



13mv/div Canal 2 (azul)

4.28mv/div Canal 1 (amarillo)

BC547C

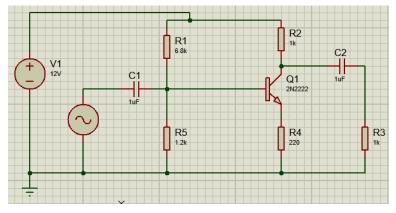


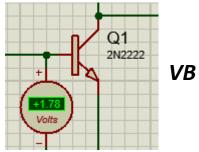
13mv/div Canal 2 (azul)

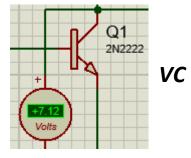
4.28mv/div Canal 1 (amarillo)

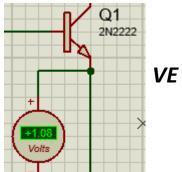
3.3 CIRCUITO DE POLARIZACIÓN POR DIVISOR DE VOLTAJE DEL TRANSISTOR BIPOLAR.

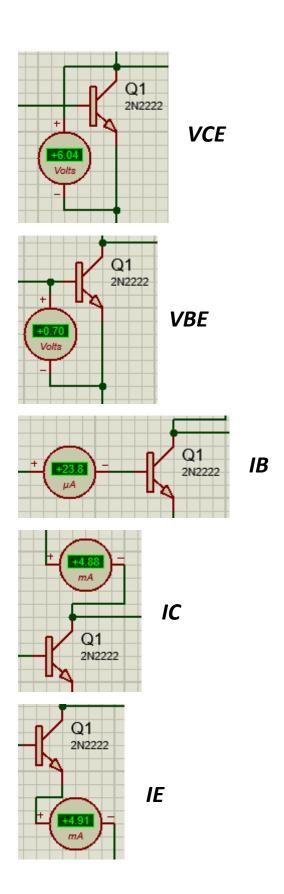
2N2222

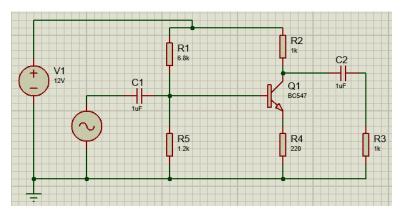


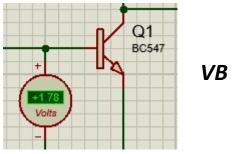






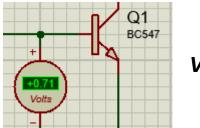






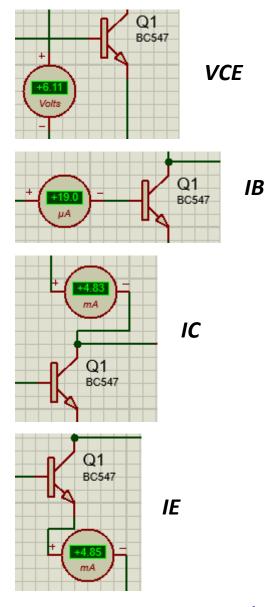






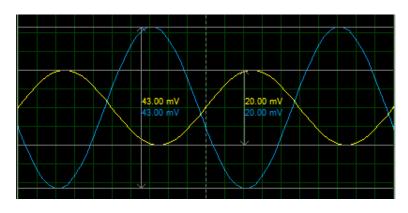
VC

VBE



3.3.2 MEDICIONES DE LA AMPLIFICACIÓN DE SEÑALES

2N2222

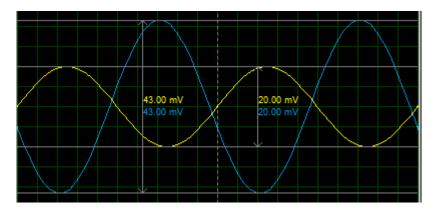


5mv/div Canal 2 (azul)

5mv/div Canal 1 (amarillo)

CANAL 1: Vi

CANAL 2: Vo



CANAL 1: Vi

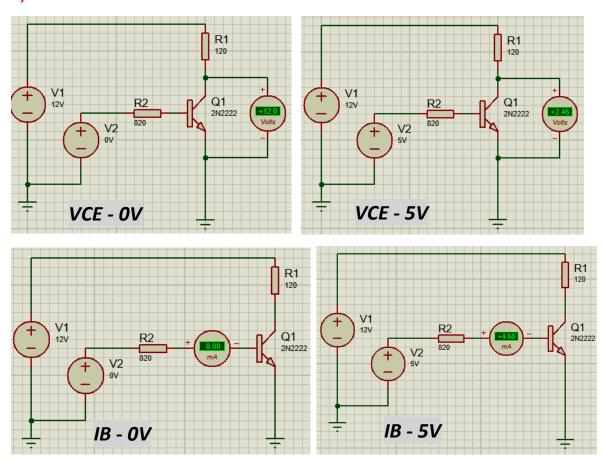
CANAL 2: Vo

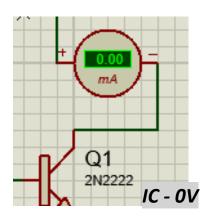
5mv/div Canal 2 (azul)

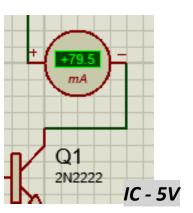
5mv/div Canal 1 (amarillo)

3.4 ANÁLISIS DEL TRANSISTOR BIPOLAR EN CORTE Y SATURACIÓN.

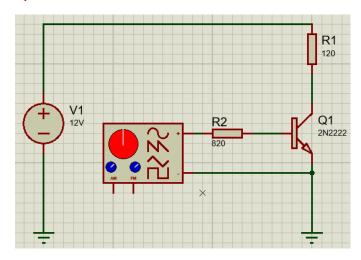
A)

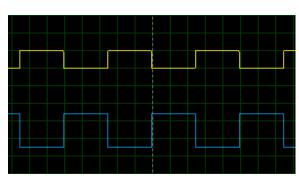


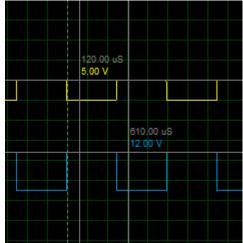




B)





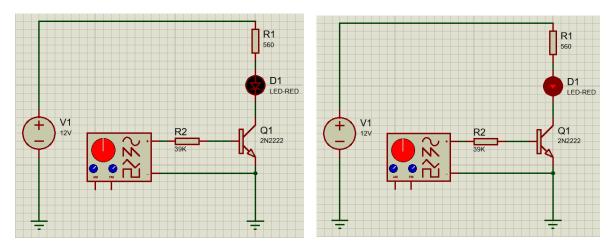


CANAL 1: Vi

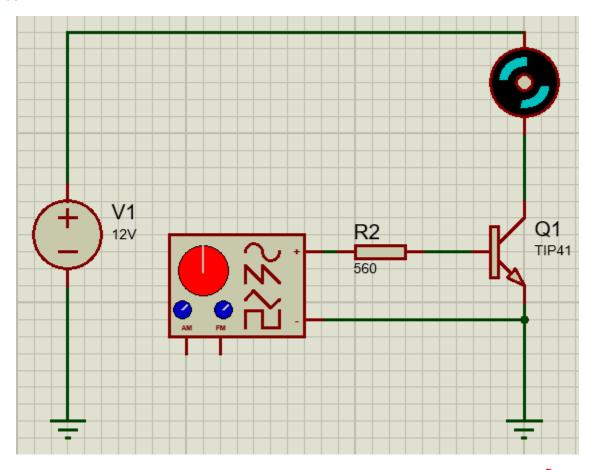
CANAL 2: Vo

5mv/div Canal 2 (azul)

5mv/div Canal 1 (amarillo)



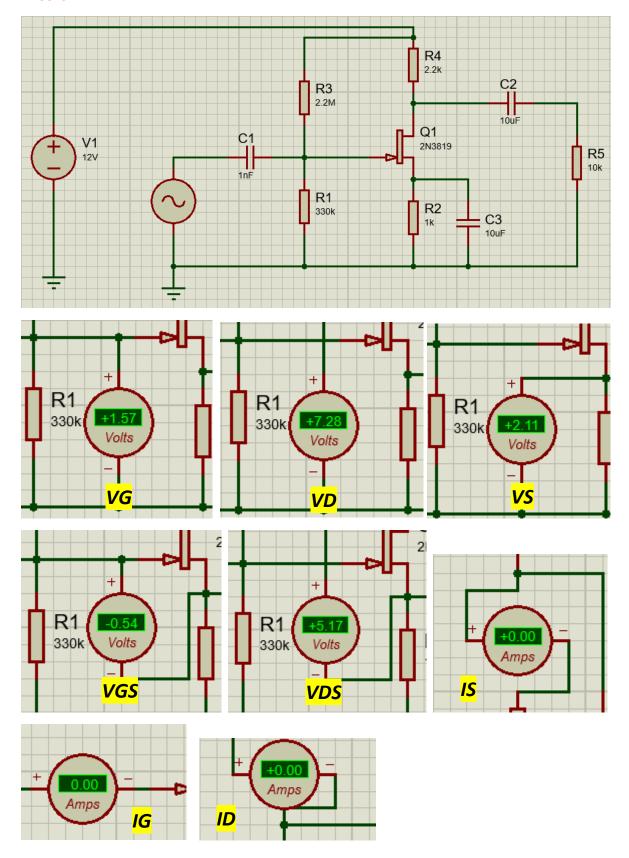
EN ESTE CTO. SE PUEDE OBSERVAR COMO EL LED PARPADEA DE ACUERDO CON LA SEÑAL CUADRADA.

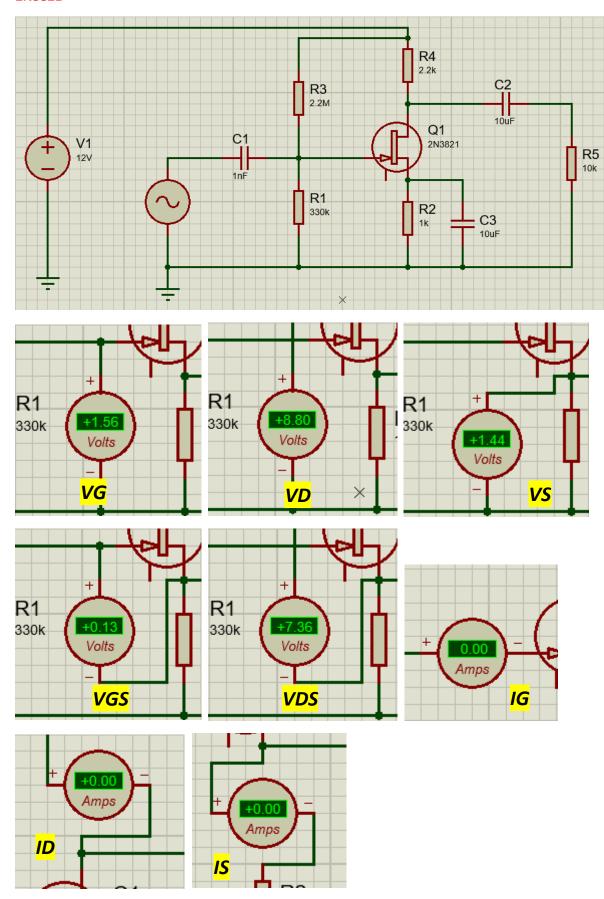


EN ESTE CTO. SE PUEDE OBSERVAR COMO EL MOTOR SE MUEVE DE ACUERDO CON LA SEÑAL CUADRADA. (SE ACTIVA, SE PAUSA Y ASÍ SUCESIVAMENTE)

3.5 CIRCUITO DE POLARIZACIÓN POR DIVISOR DE VOLTAJE DEL TRANSISTOR DE EFECTO DE CAMPO.

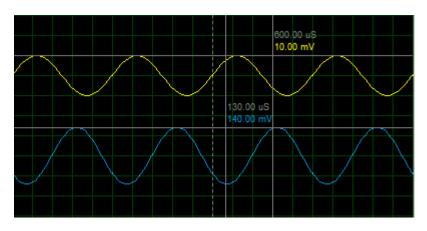
2N3819





3.5.2 MEDICIONES DE LA AMPLIFICACIÓN DE SEÑALES

2N3819



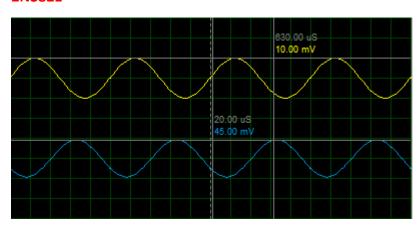
CANAL 1: Vi

CANAL 2: Vo

0.1mv/div Canal 2 (azul)

10mv/div Canal 1 (amarillo)

2N3821



CANAL 1: Vi

CANAL 2: Vo

50mv/div Canal 2 (azul)

10mv/div Canal 1 (amarillo)