

Manual de programas creados en LabVIEW

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Resumen—En el presente reporte se mostrará el resultado de aprendizaje sobre el uso de LabVIEW y su programación correcta.

Palabras clave: Controles, funciones y bloques.

I. Objetivo

- Mostrar el funcionamiento del programa en el dispositivo asignado.
- Realizar la documentación correcta del programa que ejecute distintas funciones.

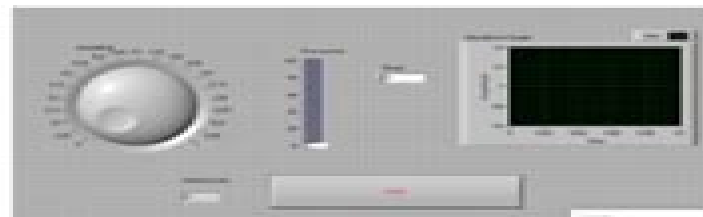
II. Introducción

En el presente manual se mostrará el desarrollo de nuestros programas elaborados con la aplicación de LabVIEW, se explicarán también parte de sus controles y funciones, así como su correcta organización y despliegue de bloques. Todo esto simulando circuitos virtualmente aprendido durante este primer parcial en clases guiado nos de otro manual.

III. Herramientas usadas

- Laptop

IV. Desarrollo



Panel frontal

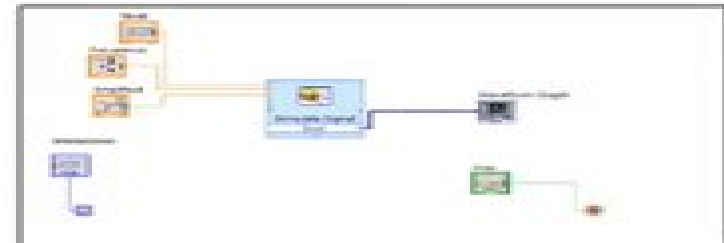


Diagrama de bloques

Para esta que fue la practica I, se observa un diagrama de tipo sine, el cual se puede modificar la frecuencia y amplitud. Para ello nos guiamos de los siguientes pasos:

Nos dirigimos al panel frontal y seleccionan los botones que se indican en las imágenes, los cuales son: waveform graph, botón de stop, numeric control e indicador, verical pointer y knob. Después se seleccionar nuestro botones nos dirigimos a la pantalla de bloques damos click derecho y seleccionamos una estructura While loop y después seleccionamos la función Simulate Signal y se ajustara de tal forma que desplegara una grafica en sine, para ello colocamos nuestros bloques de los botones dentro de la estructura While, una vez hecho daremos click derecho sobre el numeric indicator, seleccionamos la opción representation y luego I32 y unimos al bloque i, el botón stop lo unimos al botón rojo y al final unimos los bloques sobrantes al bloque Simulate signal en el siguiente orden, primero al numeric control, verical pointer y después el knob al tercer triangulo del bloque Simulate. El triángulo negro será unido a waveform.

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