In the name of god

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Explanation on some blocks used in this project

**Get Waveform Components (Analog Waveform) Function**:

Returns the analog waveform you specify. You specify components by clicking on the center of the output terminal and selecting the component you want.

**Build Waveform (Analog Waveform) Function**:

Builds an analog waveform or modifies an existing waveform. If you do not wire the **waveform** input, the function creates a new waveform based on the components you wire. If you wire the **waveform** input, the function modifies the waveform based on the components you wire.

**Cycle Average and RMS VI**:

Returns the average and RMS levels of a selected cycle of a periodic waveform or an array of periodic waveforms. Wire data to the **signal in** input to determine the polymorphic instance to use or [manually select](lvhowto.chm::/SelectingDefaultInstPolyVI.html) the instance.

**FFT VI**:

Computes the fast Fourier transform (FFT) of the input sequence **X**. Wire data to the **X** input to determine the polymorphic instance to use or [manually select](lvhowto.chm::/SelectingDefaultInstPolyVI.html) the instance.

**Sine Waveform VI**:

Generates a waveform containing a sine wave.

Filter Express VI:

Specifies the following types of filters to use: lowpass, highpass, bandpass, bandstop, or smoothing. The default is **Lowpass.**

**Convert from Dynamic Data Express VI**:

Converts the dynamic data type to numeric, Boolean, waveform, and array data types for use with other VIs and functions.

**Convert to Dynamic Data Express VI**:

Converts numeric, Boolean, waveform and array data types to the dynamic data type for use with Express VIs.

**FFT Power Spectrum and PSD VI**:

Computes the averaged auto power spectrum of **time signal**. Wire data to the **time signal** input to determine the polymorphic instance to use or [manually select](lvhowto.chm::/SelectingDefaultInstPolyVI.html) the instance.