University Of Bourgogne

Digital Signal Processing

Signals

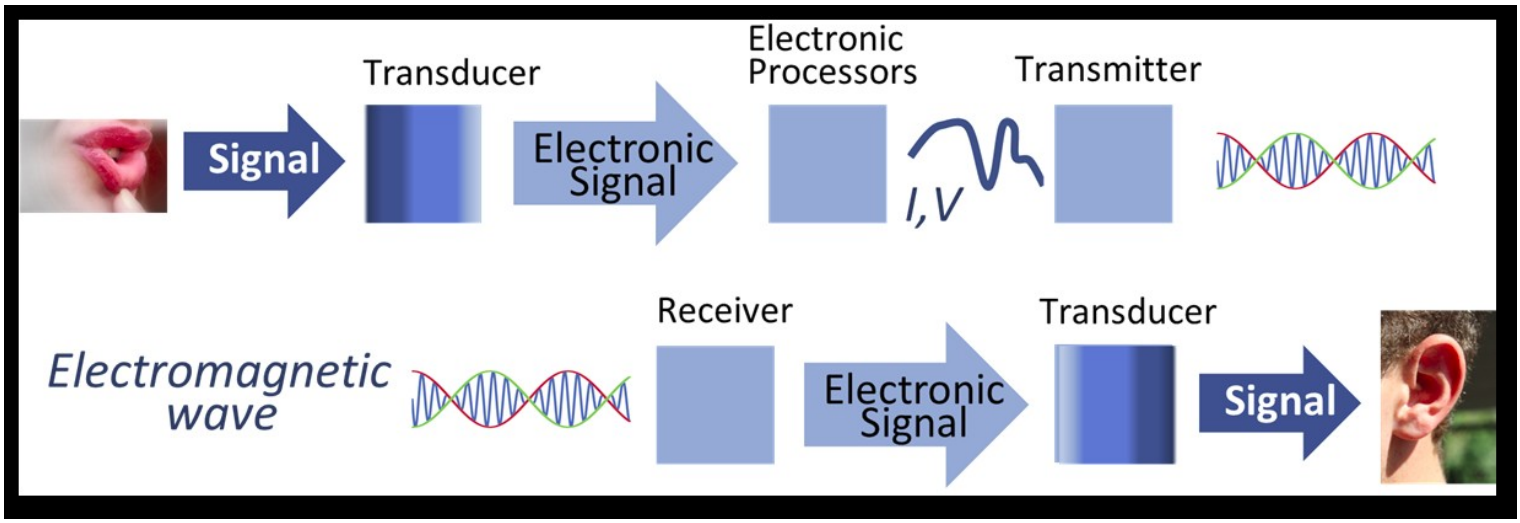
Ali Mahmoud Ahmed Mohamed

January 1, 2020

vibot

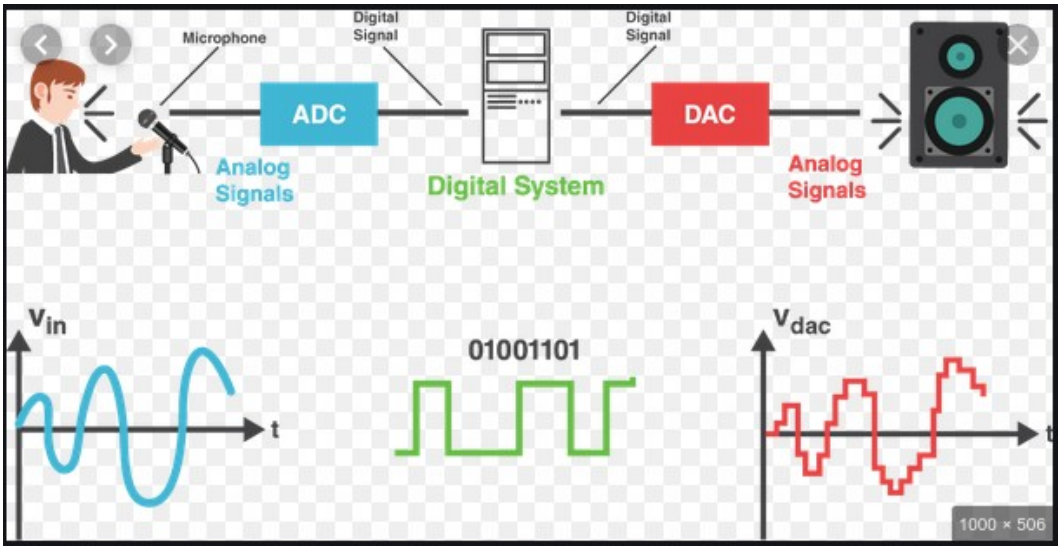
Signals:

In signal processing, a signal is a function that conveys information about a phenomenon.[1] In electronics and telecommunications, it refers to any time varying voltage, current or electromagnetic wave that carries information. A signal may also be defined as an observable change in a quantity.



Signal processing:

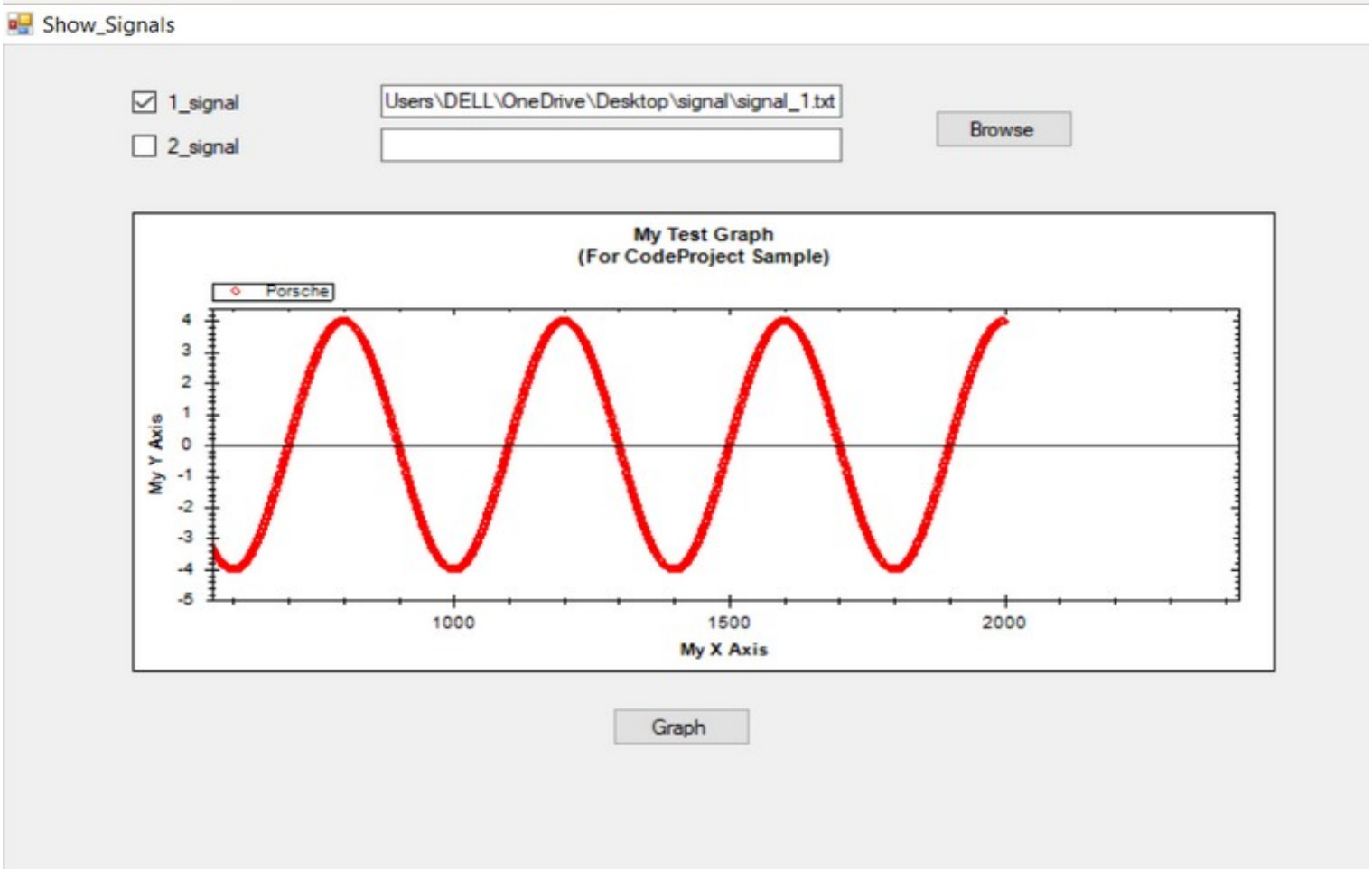
Signal processing is an electrical engineering subfield that focuses on analyzing, modifying and synthesizing signals such as sound, images and biological measurements.

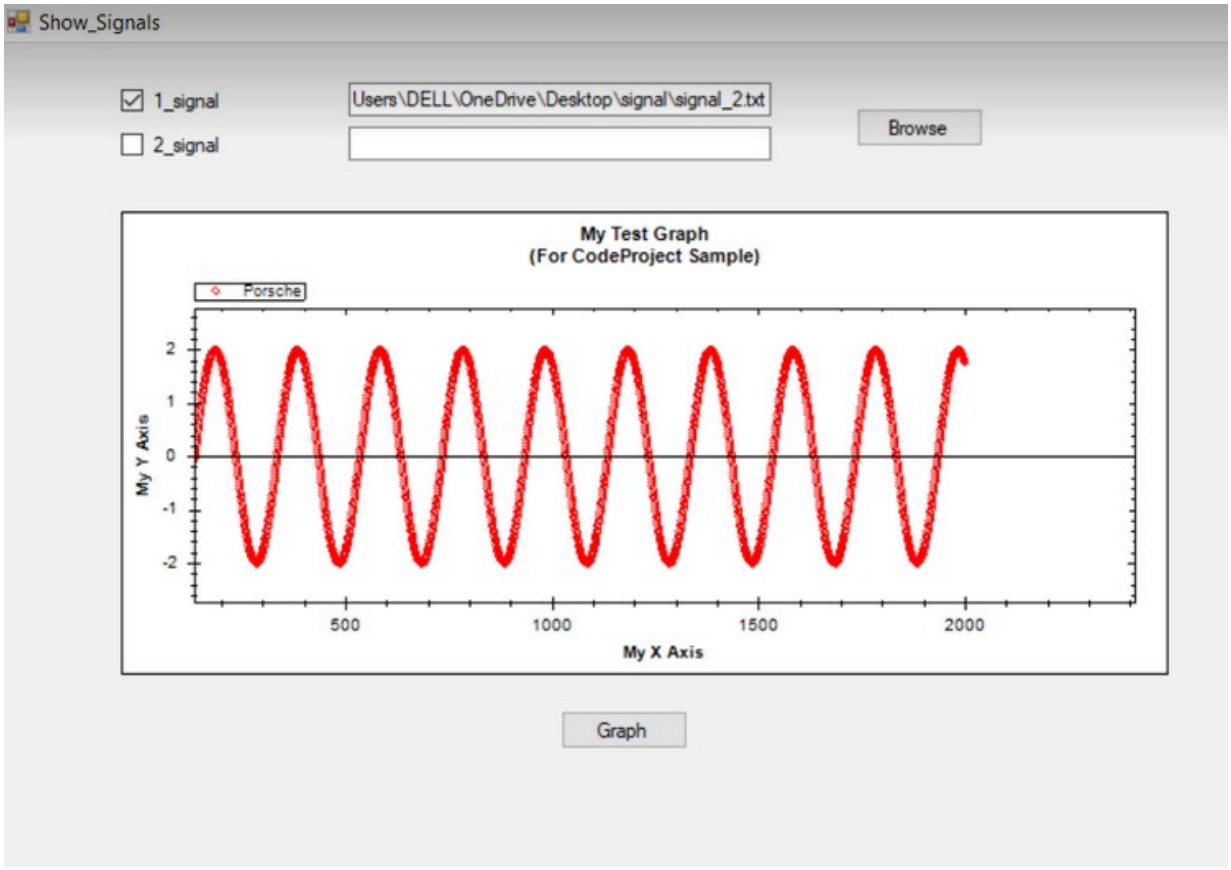


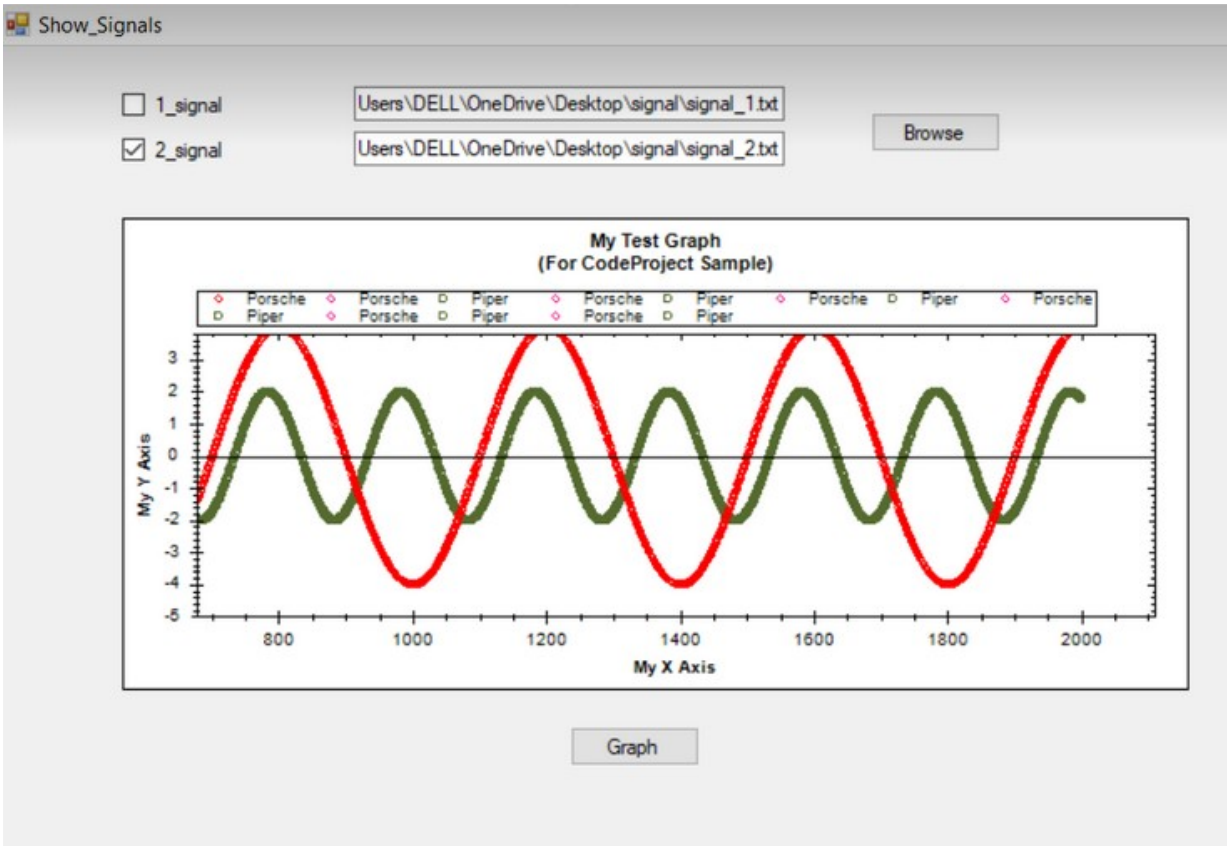
DSP System (Signals):

Add to The application the following features:

1. Read 1D signal from text file (format one column each row contain one sample value).
2. Draw the signal on 2D plot (y axis represents voltage, x axis represents time (sample number)).
3. Another signal can be uploaded and drawn with the first one if needed.
   (The second signal can be another uploaded from txt file or the result after applying some signal processing on the first one).




Show_Signals
1_signal
2_signal
Users\DELL\OneDrive\Desktop\signal\signal_2.txt
Browse
My Test Graph
(For CodeProject Sample)
Porsche
My Y Axis
My X Axis
Graph


Show_Signals
1_signal
2_signal
Users\DELL\OneDrive\Desktop\signal\signal_1.txt
Users\DELL\OneDrive\Desktop\signal\signal_2.txt
Browse
My Test Graph
(For CodeProject Sample)
Porsche
Piper
My Y Axis
My X Axis
Graph