ArduinoSignalFilteringLibrary

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Contents

1 Class Index

1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

2 Class Documentation

2.1 SignalFilter Class Reference

Public Member Functions

- SignalFilter ()

  SignalFilter - Library to Filter Sensor Data using digital filters Available filters: Chebyshev & Bessel low pass filter (1st & 2nd order)
- void begin ()

  Begin function: set default filter options.
- void setFilter (char filter)

  setFilter(char filter): Select filter: 'c' -> Chebyshev, 'b' -> Bessel
- void setOrder (int order)

  selectOrder(int order): Select filter order (1 or 2)
- int run (int data)

  filter: Runs the actual filter: input=rawdata, output=filtered data

2.1.1 Constructor & Destructor Documentation

2.1.1.1 SignalFilter::SignalFilter ( )

SignalFilter - Library to Filter Sensor Data using digital filters Available filters: Chebyshev & Bessel low pass filter (1st & 2nd order)

Constructor

2.1.2 Member Function Documentation

2.1.2.1 void SignalFilter::begin ( )

Begin function: set default filter options.

2.1.2.2 int SignalFilter::run (int *data*)

filter: Runs the actual filter: input=rawdata, output=filtered data

2.1.2.3 void SignalFilter::setFilter (char *filter*)

setFilter(char filter): Select filter: 'c' -> Chebyshev, 'b' -> Bessel

2.1.2.4 void SignalFilter::setOrder (int *order*)

selectOrder(int order): Select filter order (1 or 2)

Index