HWThread

nr_ch
fs
samples_available
blocks
master
cond
rw
sync_mut
channel_info
homogenous_signal_type
channel_types
m
m_gs
m_cs
cst
data

+ HWThread()
+ HWThread()
+ ~HWThread()
+ getName()
+ isMaster()
+ hasHomogenousSignalType()
+ getNrOfBlocks()
+ getSamplingRate()
+ getNrOfChannels()
+ getChannelTypes()
+ getChannelInfoMap()
+ samplesAvailable()
+ checkMandatoryHardwareTags()
+ getSyncData()
+ getAsyncData()
+ run()
# setSamplingRate()
# setDeviceChannels()
# setBlocks()
# setChannelSelection()
# setChannelTypes()
# isNumber()

SineGenerator

- initialized
- t
- step
- cycle_dur
- current_block
- td
- samples
- buffer

+ SineGenerator()
+ SineGenerator()
+ ~SineGenerator()
+ getSyncData()
+ getAsyncData()
+ run()
- setHardware()
- genSine()
- setDeviceSettings()
- setChannelSettings()

USBamp

- enable_sc
- buffersize
- driver_buffer
- h
- data_Ev
- ov
- channels
- channels_per_dev
- ch
- filter_id
- notch_id
- ground
- reference
- mode

+ USBamp()
+ ~USBamp()
+ getSyncData()
+ getAsyncData()
+ run()
- getHandles()
- initUSBamp()
- acquireLoop()