## 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()