Profile Summary (Total time: 6.532 s)

Generated 31-Oct-2024 13:41:22 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
test	1	6.532	2.012	
test>motor_mover	4	4.203	0.014	
Serialport>Serialport.readline	4	4.123	0.001	
StringClient>StringClient.read	4	4.121	0.003	
StringClient>StringClient.readRaw	4	4.118	0.001	
Serial>Serial.readUntil	4	4.116	0.002	
AsyncIOTransportChannel>AsyncIOTransportChannel.readUntil	4	4.114	0.003	
...ncIOTransportChannel>AsyncIOTransportChannel.waitForDataAvailable	4	4.101	0.003	
Stream>Stream.wait	8	4.100	1.060	
AsyncIOTransportChannel>@(obj)obj.DataAvailable>0	136342	1.281	0.176	
InputStream>InputStream.get.DataAvailable	136354	1.107	0.211	
Stream>Stream.getDataAvailable	136358	0.896	0.896	
Stream>Stream.isDeviceDone	136338	0.896	0.896	
Stream>Stream.isOpen	136338	0.855	0.855	
serialport	1	0.254	0.001	
Serialport>Serialport.Serialport	1	0.253	0.009	
Serial>Serial.connect	1	0.128	0.008	
Serial>Serial.initializeChannel	1	0.109	0.011	
Serialport>Serialport.delete	1	0.064	0.004	
Channel>Channel.Channel	1	0.056	0.037	
getReadWarningDocLinks	1	0.044	0.002	
getReadWarningDocLinks>requiresICTDoc	1	0.042	0.001	
ver	1	0.040	0.032	
Serialport>Serialport.writeline	4	0.038	0.002	
StringClient>StringClient.write	4	0.036	0.004	
TransportFactory>TransportFactory.getTransport	1	0.035	0.001	
Serial>Serial.Serial	1	0.034	0.003	
Serial>Serial.write	4	0.029	0.002	
Serialport>Serialport.updatePreferences	1	0.028	0.006	
AsyncIOTransportChannel>AsyncIOTransportChannel.write	4	0.026	0.002	
Serial>Serial.initProperties	1	0.024	0.006	
Serial>Serial.disconnect	1	0.020	0.001	
Serialport>Serialport.flush	4	0.019	0.003	
AsyncIOTransportChannel>AsyncIOTransportChannel.writeAsync	4	0.019	0.005	
Serial>Serial.terminateChannel	2	0.018	0.003	
Channel>Channel.open	1	0.018	0.015	
Serial>Serial.flushInput	4	0.014	0.005	
SerialportPrefHandler>SerialportPrefHandler.updatePreferences	1	0.013	0.001	
PreferencesHelper>PreferencesHelper.setData	1	0.012	0.001	
fullfile	3	0.012	0.005	

setpref	1	0.012	0.003	
Channel>Channel.execute	12	0.011	0.005	
StringClient>StringClient.delete	1	0.011	0.002	
Stream>Stream.Stream	2	0.010	0.007	
Serialport>Serialport.initProperties	1	0.010	0.003	
attributes	3	0.009	0.003	
AsyncIOTransportChannel>AsyncIOTransportChannel.readStreamUntil	4	0.009	0.003	
uitools\private\prefutils	5	0.009	0.003	
num2str	4	0.009	0.005	
StringClient>StringClient.set.StringReadFcn	1	0.009	0.002	
Channel>Channel.close	1	0.008	0.007	
AsyncIOTransportChannel>AsyncIOTransportChannel.writeSyncRaw	4	0.008	0.003	
InputStream>InputStream.InputStream	1	0.008	0.001	
Channel>@(source,data)obj.onPropertyChanged(data.Name,data.Value)	12	0.008	0.001	
validatestring	15	0.007	0.003	
str2char	54	0.007	0.007	
Serial>Serial.set.ErrorOccurredFcn	1	0.007	0.001	
Channel>Channel.onPropertyChanged	12	0.006	0.002	
Serial>Serial.set.Parity	2	0.006	0.002	
Serial>Serial.set.StopBits	2	0.006	0.001	
Channel>Channel.delete	1	0.006	0.004	
StringClient>StringClient.StringClient	1	0.006	0.002	
Serial>Serial.setAsyncIOChannelTimeout	3	0.006	0.004	
OutputStream>OutputStream.drain	4	0.006	0.002	
OutputStream>OutputStream.OutputStream	1	0.006	0.001	
InputStream>InputStream.read	4	0.005	0.004	
strcat	2	0.005	0.005	
ismember	2	0.005	0.001	
...dHandlerMixin>DataReceivedHandlerMixin.DataReceivedHandlerMixin	1	0.005	0.001	
DataReceivedHandlerMixin>@(src,evt)obj.valuesWrittenUpdated(src,evt)	8	0.005	0.001	
Channel>@(source,data)obj.onDataReceived()	4	0.004	0.001	
...ceivedHandlerMixin>DataReceivedHandlerMixin.valuesWrittenUpdated	8	0.004	0.003	
fgetl	118	0.004	0.004	
attributes>checkInputs	3	0.004	0.002	
LegacySerial>LegacySerial.LegacySerial	1	0.004	0.001	
...TransportChannel>AsyncIOTransportChannel.AsyncIOTransportChannel	1	0.004	0.002	
fileparts	1	0.004	0.002	
ismember>ismemberR2012a	2	0.003	0.002	
Channel>Channel.onDataReceived	4	0.003	0.002	
isprop	1	0.003	0.003	
StringClient>StringClient.initProperties	1	0.003	0.001	
Channel>Channel.postInit	1	0.003	0.003	
Serial>Serial.get.Connected	31	0.003	0.002	
validatestring>checkString	15	0.003	0.003	
Serial>Serial.set.AllowPartialReads	1	0.003	0.001	

strtok	1	0.003	0.001	
Stream>Stream.flush	12	0.003	0.003	
InputStream>InputStream.flush	4	0.003	0.001	
SerialportPrefHandler>SerialportPrefHandler.SerialportPrefHandler	1	0.003	0.001	
num2str>strvrcat	4	0.003	0.001	
Serial>Serial.validateConnected	17	0.003	0.000	
Stream>Stream.isSupported	2	0.002	0.002	
StringClient>StringClient.set.Terminator	1	0.002	0.001	
generateArgumentDescriptor	3	0.002	0.002	
Serial>Serial.set.BytesAvailableFcn	1	0.002	0.001	
Serial>Serial.set.FlowControl	2	0.002	0.001	
uitools\private\prefutils>savePrefs	1	0.002	0.002	
Serial>Serial.flushOutput	4	0.002	0.001	
strjust	4	0.002	0.001	
uitools\private\prefutils>loadPrefs	1	0.002	0.002	
Channel>Channel.isOpen	21	0.002	0.002	
...andlerMixin>DataReceivedHandlerMixin.connectDataReceivedListener	1	0.002	0.002	
InputStream>InputStream.clearPartialPacket	5	0.002	0.002	
ByteOrder>ByteOrder.ByteOrder	1	0.002	0.001	
AsyncIOTransportChannel>AsyncIOTransportChannel.set.NativeDataType	1	0.002	0.001	
Serialport>Serialport.get.DataBits	1	0.002	0.002	
strtok>doStrtok	1	0.002	0.002	
Stream>Stream.set.Timeout	2	0.002	0.002	
Serialport>Serialport.setCustomDisplay	1	0.002	0.002	
fileparts>legacyPCExecution	1	0.002	0.002	
PreferencesHelper>PreferencesHelper.PreferencesHelper	1	0.002	0.002	
Serial>Serial.set.Timeout	2	0.002	0.001	
ismember>ismemberBuiltinTypes	2	0.002	0.002	
OutputStream>@(obj)obj.getDataAvailable()==0	4	0.001	0.001	
attributes>checkClass	3	0.001	0.001	
SerialportPrefHandler>SerialportPrefHandler.delete	1	0.001	0.001	
Serial>Serial.set.BaudRate	2	0.001	0.001	
ver>@()fclose(fid)	59	0.001	0.001	
Serial>Serial.set.ByteOrder	2	0.001	0.001	
Serialport>Serialport.get.Port	1	0.001	0.001	
FilterImpl>FilterImpl.FilterImpl	1	0.001	0.001	
StringClient>StringClient.getWriteTerminator	4	0.001	0.001	
Channel>Channel.postClose	1	0.001	0.001	
Serialport>Serialport.set.StopBits	1	0.001	0.001	
...dlerMixin>DataReceivedHandlerMixin.disconnectDataReceivedListener	1	0.001	0.001	
num2str>cellPrintf	4	0.001	0.001	
Channel>Channel.preOpen	1	0.001	0.001	
StringClient>StringClient.recalculateLastCBIndex	1	0.001	0.001	
validatestring>checkInputs	15	0.001	0.001	
Serialport>Serialport.set.ByteOrder	1	0.001	0.001	

SerialPort>SerialPort.set.BaudRate	1	0.001	0.001	
AsyncIOTransportChannel>AsyncIOTransportChannel.set.ByteOrder	1	0.001	0.001	
strjust>strjustOnChar	4	0.001	0.001	
fullfile>ensureTrailingFilesep	3	0.001	0.000	
LegacyBase>LegacyBase.LegacyBase	1	0.001	0.000	
SerialPort>SerialPort.set.Parity	1	0.001	0.001	
Serial>Serial.get.Timeout	2	0.001	0.001	
Stream>Stream.delete	2	0.001	0.001	
AsyncIOTransportChannel>AsyncIOTransportChannel.set.DataFieldName	1	0.001	0.001	
attributes>checkAttrs	3	0.001	0.001	
Channel>Channel.preTerm	1	0.001	0.001	
SerialPort>SerialPort.set.FlowControl	1	0.001	0.001	
DataEventInfo>DataEventInfo.DataEventInfo	1	0.001	0.001	
uitools\private\prefutils>getFieldOptional	1	0.001	0.001	
SerialPort>SerialPort.get.ByteOrder	1	0.001	0.001	
InputStream>InputStream.readPackets	4	0.001	0.001	
SerialPort>SerialPort.set.DataBits	1	0.001	0.001	
SerialPort>SerialPort.set.Timeout	1	0.001	0.001	
SerialPort>SerialPort.get.Parity	1	0.001	0.001	
Serial>Serial.set.DataBits	2	0.001	0.001	
SerialPort>SerialPort.get.BaudRate	1	0.001	0.001	
SerialPort>SerialPort.get.FlowControl	1	0.001	0.001	
...eivedHandlerMixin>DataReceivedHandlerMixin.recalculateLastCBValue	1	0.001	0.001	
Channel>Channel.lock	1	0.001	0.000	
Serial>Serial.set.WriteAsync	1	0.001	0.001	
Channel>@(s)validateStreamLimits(obj,s)	1	0.001	0.000	
Channel>Channel.isConstructionComplete	36	0.001	0.001	
FilterImpl>FilterImpl.getInputFilters	1	0.001	0.001	
StringClient>StringClient.getReadTerminator	8	0.001	0.001	
AsyncIOTransportChannel>AsyncIOTransportChannel.validateData	4	0.001	0.001	
uitools\private\prefutils>checkAndConvertToCellVector	1	0.001	0.001	
PreferencesHelper>PreferencesHelper.delete	1	0.001	0.001	
fullfile>refinePath	3	0.001	0.001	
cell.ismember	1	0.001	0.001	
fullfile>addTrailingFileSep	3	0.001	0.001	
FilterImpl>FilterImpl.getOutputFilters	1	0.001	0.001	
SerialPort>SerialPort.get.StopBits	1	0.001	0.001	
LegacyQueryMixin>LegacyQueryMixin.LegacyQueryMixin	1	0.001	0.001	
LegacyBinaryMixin>LegacyBinaryMixin.LegacyBinaryMixin	1	0.001	0.000	
ByteOrder>ByteOrder.NeedByteSwap	4	0.001	0.001	
Serial>Serial.delete	1	0.001	0.000	
Channel>@(o)validateOptions(obj,o)	1	0.001	0.000	
SerialPort>SerialPort.get.Timeout	1	0.001	0.001	
Serial>Serial.get.NativeDataType	1	0.001	0.001	
StringClient>StringClient.validateTerminator	1	0.001	0.001	

Serialport>Serialport.get.Terminator	1	0.001	0.001	
StringClient>StringClient.get.Terminator	24	0.000	0.000	
uitools\private\prefutils>getPrefFile	2	0.000	0.000	
AsyncIOTransportChannel>AsyncIOTransportChannel.get.ByteOrder	4	0.000	0.000	
AsyncIOTransportChannel>AsyncIOTransportChannel.get.NativeDataType	2	0.000	0.000	
InputStream>InputStream.readPartialPacket	4	0.000	0.000	
Channel>Channel.unlock	1	0.000	0.000	
Serial>Serial.get.ByteOrder	2	0.000	0.000	
...dHandlerMixin>DataReceivedHandlerMixin.getValuesAvailableFcnHook	4	0.000	0.000	
Channel>Channel.updateAndFetchLockCount	2	0.000	0.000	
Channel>Channel.validateStreamLimits	1	0.000	0.000	
Serial>Serial.get.DataFieldName	1	0.000	0.000	
AsyncIOTransportChannel>AsyncIOTransportChannel.getAllUnreadData	4	0.000	0.000	
mustBeInteger	5	0.000	0.000	
ILegacyUnsupported>ILegacyUnsupported.ILegacyUnsupported	1	0.000	0.000	
LegacyASCIIMixin>LegacyASCIIMixin.LegacyASCIIMixin	1	0.000	0.000	
getReadWarningDocLinks>getDocIDRef	2	0.000	0.000	
mustBeNonempty	4	0.000	0.000	
AsyncIOTransportChannel>AsyncIOTransportChannel.flushUnreadData	4	0.000	0.000	
LegacyBinblockMixin>LegacyBinblockMixin.LegacyBinblockMixin	1	0.000	0.000	
blanks	2	0.000	0.000	
DataReceivedHandlerMixin>DataReceivedHandlerMixin.delete	1	0.000	0.000	
..cIOTransportChannel>AsyncIOTransportChannel.translateAsyncIOStatus	4	0.000	0.000	
...rMixin>DataReceivedHandlerMixin.getValuesAvailableEventCountHook	4	0.000	0.000	
Serial>Serial.get.BaudRate	2	0.000	0.000	
target	1	0.000	0.000	
MessageHandler>MessageHandler.MessageHandler	1	0.000	0.000	
Serial>Serial.get.StopBits	2	0.000	0.000	
ILegacyCommon>ILegacyCommon.ILegacyCommon	1	0.000	0.000	
LegacyNullMixin>LegacyNullMixin.LegacyNullMixin	4	0.000	0.000	
Serial>Serial.get.Parity	2	0.000	0.000	
ITransport>ITransport.ITransport	1	0.000	0.000	
Serial>Serial.get.FlowControl	2	0.000	0.000	
IFilterable>IFilterable.IFilterable	1	0.000	0.000	
uitools\private\prefutils>truncToMaxLength	1	0.000	0.000	
Serial>Serial.get.DataBits	2	0.000	0.000	
ITokenReader>ITokenReader.ITokenReader	1	0.000	0.000	
InterfaceFunctionGetter>@()[]	9	0.000	0.000	
Channel>Channel.validateOptions	1	0.000	0.000	
...>DataReceivedHandlerMixin.getTotalValuesWrittenPropertyNameHook	9	0.000	0.000	
SetGet>SetGet.SetGet	1	0.000	0.000	
fullfile>@(x)~iscell(x)&&isempty(x)	4	0.000	0.000	
generateArgumentDescriptor>isCharOrString	9	0.000	0.000	
uitools\private\prefutils>checkGroup	1	0.000	0.000	
extrinsic	1	0.000	0.000	

CustomDisplay>CustomDisplay.CustomDisplay	1	0.000	0.000	
allowpcode	16	0.000	0.000	

*Self time is the time spent in a function excluding any time spent in child functions. The time includes any overhead time resulting from the profiling process.