Profile Summary

Generated 23-Nov-2017 10:15:07 using cpu time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
test	1	53.440 s	10.615 s	
functionhide_forvideo	2	29.166 s	10.159 s	
hidedata	1469255	19.007 s	19.007 s	
VideoReader.readFrame	337	7.456 s	7.290 s	
...VideoWriter>VideoWriter.writeVideo	337	3.904 s	0.853 s	
IProfile>IProfile.writeVideoFrame	337	2.838 s	0.013 s	
...ugin>AviFilePlugin.writeVideoFrame	337	2.825 s	0.042 s	
OutputStream>OutputStream.write	337	2.776 s	0.030 s	
OutputStream>OutputStream.writePackets	337	2.746 s	2.578 s	
...ideoWriter>VideoWriter.VideoWriter	1	0.891 s	0.021 s	
...gt;ProfileFactory.checkIsKnownProfile	3	0.845 s	0.006 s	
...ry>ProfileFactory.getKnownProfiles	3	0.833 s	0.055 s	
VideoReader.VideoReader>VideoReader.init	2	0.510 s	0.100 s	
...ideoReader>VideoReader.VideoReader	2	0.510 s	0.000 s	
IPlugin>IPlugin.close	26	0.507 s	0.018 s	
...iter.VideoWriter>VideoWriter.close	1	0.491 s	0.005 s	
UncompressedAVI>UncompressedAVI.close	1	0.486 s	0.010 s	
Channel>Channel.close	4	0.474 s	0.466 s	
IProfile>IProfile.createPlugin	26	0.460 s	0.071 s	
MPEG4>MPEG4.isValid	3	0.453 s	0.057 s	
...der>VideoReader.errorIfImageFormat	2	0.380 s	0.005 s	

imfinfo	2	0.375 s	0.009 s	|
imagesci\private\imftype	2	0.366 s	0.070 s	|
MPEG4>MPEG4.MPEG4	6	0.355 s	0.020 s	|
IPlugin>IPlugin.createChannel	4	0.324 s	0.027 s	|
...dationPlugin.MP4MediaFoundationPlugin	6	0.319 s	0.005 s	|
...MP4MediaFoundationPlugin.set.FileName	3	0.314 s	0.005 s	|
Channel>Channel.Channel	4	0.277 s	0.240 s	
imagesci\private\isxwd	2	0.241 s	0.000 s	
imagesci\private\isxwd>byteswap	2	0.241 s	0.241 s	
Archival>Archival.Archival	3	0.174 s	0.067 s	
...bj.onCustomEvent(data.Type,data.Data)	337	0.168 s	0.032 s	
...Writer>VideoWriter.convertToOutput	337	0.150 s	0.022 s	
Channel>Channel.onCustomEvent	337	0.136 s	0.024 s	
avgate	1	0.133 s	0.095 s	
VideoReader.hasFrame	675	0.125 s	0.114 s	
MJ2000>MJ2000.MJ2000	6	0.120 s	0.038 s	
...Writer>VideoWriter.convertDataType	337	0.115 s	0.002 s	
...riter.validateAllowableFrameDataTypes	337	0.111 s	0.004 s	
UncompressedAVI>UncompressedAVI.open	1	0.110 s	0.005 s	
VideoWriter.VideoWriter>VideoWriter.open	1	0.110 s	0.000 s	
...(source,data)obj.onFrameWritten(data)	337	0.102 s	0.002 s	
Channel>Channel.open	1	0.100 s	0.100 s	
AviFilePlugin>AviFilePlugin.open	1	0.100 s	0.000 s	
IPlugin>IPlugin.onFrameWritten	337	0.100 s	0.052 s	
cell.union	337	0.096 s	0.015 s	
cell.union>cellunionR2012a	337	0.081 s	0.030 s	
...VI>UncompressedAVI.UncompressedAVI	5	0.056 s	0.031 s	

cell.unique	337	0.051 s	0.013 s	
IPlugin>IPlugin.delete	25	0.047 s	0.000 s	
...ctory>ProfileFactory.createProfile	2	0.043 s	0.000 s	
validatestring	337	0.040 s	0.011 s	
...r>VideoReader.validateOutputFormat	337	0.040 s	0.000 s	
...eader>VideoReader.convertToDefault	337	0.039 s	0.023 s	
...>VideoReader.convertToOutputFormat	337	0.039 s	0.000 s	
aud...rivate\privateMMReaderPluginSearch	1	0.038 s	0.018 s	
cell.unique>celluniqueR2012a	337	0.038 s	0.038 s	
IndexedAVI>IndexedAVI.IndexedAVI	3	0.037 s	0.010 s	
...der>VideoReader.get.NumberOfFrames	1	0.035 s	0.025 s	
GrayscaleAVI>GrayscaleAVI.GrayscaleAVI	3	0.034 s	0.007 s	
...ofile.createFrameWrittenEventListener	26	0.034 s	0.029 s	
...Reader>VideoReader.get.VideoFormat	337	0.032 s	0.011 s	
imformats	4	0.030 s	0.005 s	
...gin>MP4MediaFoundationPlugin.close	6	0.030 s	0.000 s	
...ofile.VideoProperties.(metaprop.Name)	337	0.030 s	0.030 s	
cell.ismember	1011	0.029 s	0.029 s	
onCleanup>onCleanup.onCleanup	337	0.027 s	0.027 s	
...deoReader>VideoReader.getImplValue	342	0.026 s	0.016 s	
absolutePathForReading	2	0.025 s	0.015 s	
imformats>build_registry	1	0.025 s	0.025 s	
...rittenEventData.FrameWrittenEventData	337	0.025 s	0.025 s	
validatestring>checkString	337	0.023 s	0.023 s	
...(source,data)obj.onFrameWritten(data)	337	0.023 s	0.009 s	
fullfile	25	0.021 s	0.016 s	
...er.VideoReader>VideoReader.getImpl	1693	0.021 s	0.021 s	

Stream>Stream.Stream	8	0.021 s	0.021 s	
...pegAVI>MotionJpegAVI.MotionJpegAVI	3	0.020 s	0.010 s	
onCleanup>onCleanup.delete	337	0.017 s	0.000 s	
...@()set(obj,'IsStreamingBased','true')	337	0.017 s	0.017 s	
...Plugin>AviFilePlugin.AviFilePlugin	14	0.016 s	0.001 s	
InputStream>InputStream.InputStream	4	0.016 s	0.005 s	
...VideoProperties.MJ2000VideoProperties	6	0.016 s	0.006 s	
fileparts	10	0.015 s	0.010 s	
Stream>Stream.addFilter	4	0.015 s	0.010 s	
AviFilePlugin>AviFilePlugin.set.FileName	1	0.015 s	0.000 s	
OutputStream>OutputStream.drain	4	0.015 s	0.008 s	
IProfile>IProfile.onFrameWritten	337	0.014 s	0.006 s	
IProfile>IProfile.validateFrameSize	336	0.014 s	0.014 s	
...y>ProfileFactory.getFileExtensions	1	0.013 s	0.000 s	
IProfile>IProfile.getPreferredColorSpace	337	0.012 s	0.012 s	
...oWriter>VideoWriter.verifyNumBands	674	0.012 s	0.012 s	
tempname	3	0.011 s	0.005 s	
Channel>Channel.postInit	4	0.011 s	0.011 s	
Channel>Channel.delete	3	0.011 s	0.006 s	
...ader>VideoReader.populateNumFrames	1	0.010 s	0.010 s	
OutputStream>OutputStream.OutputStream	4	0.010 s	0.000 s	
...deoProperties.set.LosslessCompression	6	0.010 s	0.010 s	
Channel>Channel.isOpen	345	0.010 s	0.010 s	
...fo>CustomEventInfo.CustomEventInfo	337	0.010 s	0.010 s	
...oProperties.IndexedAviVideoProperties	3	0.009 s	0.002 s	
...eAviFilePlugin.GrayscaleAviFilePlugin	3	0.008 s	0.008 s	
...es>VideoProperties.VideoProperties	26	0.008 s	0.008 s	

...ter>VideoWriter.convertFramesToRGB	337	0.008 s	0.001 s	
...rties>VideoProperties.frameWritten	337	0.008 s	0.008 s	
...xedAviFilePlugin.IndexedAviFilePlugin	3	0.007 s	0.006 s	
...4VideoProperties.MPEG4VideoProperties	6	0.006 s	0.006 s	
validatestring>checkInputs	337	0.006 s	0.006 s	
...deoWriter>VideoWriter.getFrameSize	336	0.006 s	0.006 s	
fullfile>refinePath	25	0.005 s	0.005 s	
ispc	16	0.005 s	0.005 s	
FilePath>FilePath.FilePath	2	0.005 s	0.000 s	
...ader>VideoReader.errorIfTextFormat	2	0.005 s	0.000 s	
FilePath>FilePath.get.Absolute	2	0.005 s	0.005 s	
imagesci\private\isfits	2	0.005 s	0.005 s	
imagesci\private\isjp2	6	0.005 s	0.005 s	
imagesci\private\isjpg	2	0.005 s	0.005 s	
imagesci\private\ispnm	2	0.005 s	0.005 s	
imagesci\private\istif	2	0.005 s	0.005 s	
....VideoReader>VideoReader.get.Width	2	0.005 s	0.000 s	
IProfile>IProfile.IProfile	26	0.005 s	0.005 s	
MJ2000Plugin>MJ2000Plugin.MJ2000Plugin	6	0.005 s	0.004 s	
...(source,data)obj.onFrameWritten(data)	26	0.005 s	0.005 s	
IPlugin>IPlugin.get.BufferSize	8	0.005 s	0.005 s	
Stream>Stream.isOpen	4	0.005 s	0.005 s	
...roperties.GrayscaleAviVideoProperties	3	0.005 s	0.000 s	
...oProperties.MotionJpegVideoProperties	3	0.005 s	0.000 s	
...MotionJpegVideoProperties.set.Quality	3	0.005 s	0.000 s	
...ties>VideoProperties.set.FrameRate	1	0.005 s	0.005 s	
...erties>VideoProperties.errorIfOpen	16	0.005 s	0.005 s	

...am>@(obj)obj.getDataAvailable()==0	4	0.005 s	0.000 s	
Stream>Stream.getDataAvailable	4	0.005 s	0.005 s	
Stream>Stream.wait	4	0.005 s	0.000 s	
Channel>Channel.postClose	1	0.005 s	0.005 s	
Channel>Channel.preTerm	3	0.005 s	0.005 s	
...>VideoWriter.initDynamicProperties	1	0.005 s	0.000 s	
...argin)obj.addDynamicProp(varargin{:})	1	0.005 s	0.005 s	
...oWriter>VideoWriter.setDynamicProp	1	0.005 s	0.000 s	
...j.setDynamicProp(metaprop.Name,value)	1	0.005 s	0.000 s	
VideoProperties>VideoProperties.open	1	0.005 s	0.005 s	
VideoProperties>VideoProperties.close	1	0.005 s	0.005 s	
dec2bin	1	0.005 s	0.005 s	
...ndexedAviVideoProperties.set.Colormap	3	0.004 s	0.004 s	
Stream>Stream.flush	4	0.002 s	0.002 s	
toolboxdir	2	0.001 s	0.000 s	
IPlugin>IPlugin.IPlugin	26	0.001 s	0.001 s	
opaque.char	7	0.001 s	0.001 s	
...riter>VideoWriter.computeNumFrames	337	0.001 s	0.001 s	
fullfile>ensureTrailingFilesep	25	0 s	0.000 s	
fullfile>addTrailingFileSep	25	0 s	0.000 s	
FilePath>FilePath.set.Extension	2	0 s	0.000 s	
FilePath>FilePath.get.Readable	2	0 s	0.000 s	
FilePath>FilePath.get.Exists	6	0 s	0.000 s	
imagesci\private\getFileFromURL	2	0 s	0.000 s	
imformats>find_in_registry	2	0 s	0.000 s	
imagesci\private\isbmp	2	0 s	0.000 s	
imagesci\private\iscur	2	0 s	0.000 s	

imagesci\private\isgif	2	0 s	0.000 s	
imagesci\private\ishdf	2	0 s	0.000 s	
imagesci\private\isico	2	0 s	0.000 s	
imagesci\private\ispbm	2	0 s	0.000 s	
imagesci\private\ispcx	2	0 s	0.000 s	
imagesci\private\ispgm	2	0 s	0.000 s	
imagesci\private\ispng	2	0 s	0.000 s	
imagesci\private\isppm	2	0 s	0.000 s	
imagesci\private\isras	2	0 s	0.000 s	
...der.VideoReader>VideoReader.delete	1	0 s	0.000 s	
...VideoReader>VideoReader.get.Height	2	0 s	0.000 s	
IProfile>IProfile.isValid	18	0 s	0.000 s	
...oundationPlugin.getChannelInitOptions	3	0 s	0.000 s	
...t;AviFilePlugin.getChannelInitOptions	1	0 s	0.000 s	
IPlugin>IPlugin.getConverterName	4	0 s	0.000 s	
Stream>Stream.isSupported	8	0 s	0.000 s	
...PropertyChanged(data.Name,data.Value)	4	0 s	0.000 s	
...ata)obj.onPreError(data.ID,data.Text)	4	0 s	0.000 s	
...data)obj.onWarning(data.ID,data.Text)	4	0 s	0.000 s	
...e@(source,data)obj.onTrace(data.Text)	4	0 s	0.000 s	
...bj.onCustomEvent(data.Type,data.Data)	4	0 s	0.000 s	
...FoundationPlugin.getFilterInitOptions	3	0 s	0.000 s	
Stream>Stream.set.Timeout	4	0 s	0.000 s	
...(source,data)obj.onFrameWritten(data)	4	0 s	0.000 s	
...gt;AviFilePlugin.getFilterInitOptions	1	0 s	0.000 s	
...AviFilePlugin.MotionJpegAviFilePlugin	3	0 s	0.000 s	
...s>MPEG4VideoProperties.set.Quality	6	0 s	0.000 s	

[tempdir](#)	3	0 s	0.000 s	
[usejava](#)	4	0 s	0.000 s	
[opaque.toChar](#)	3	0 s	0.000 s	
[java.util.UUID](#) (Java method)	3	0 s	0.000 s	
[ismac](#)	6	0 s	0.000 s	
[...create@(obj)obj.getDataAvailable()==0](#)	4	0 s	0.000 s	
[Stream>Stream.delete](#)	6	0 s	0.000 s	
[filesep](#)	1	0 s	0.000 s	
[pwd](#)	1	0 s	0.000 s	
[java.io.File](#) (Java method)	2	0 s	0.000 s	
[...oWriter>VideoWriter.addDynamicProp](#)	9	0 s	0.000 s	
[...er.VideoWriter>VideoWriter.addprop](#)	8	0 s	0.000 s	
[...ofile.VideoProperties.(metaprop.Name)](#)	8	0 s	0.000 s	
[...j.setDynamicProp(metaprop.Name,value)](#)	1	0 s	0.000 s	
[...argin)obj.addDynamicProp(varargin{:})](#)	9	0 s	0.000 s	
[IProfile>IProfile.open](#)	1	0 s	0.000 s	
[...;UncompressedAVI.getPluginOpenOptions](#)	1	0 s	0.000 s	
[IPlugin>IPlugin.open](#)	1	0 s	0.000 s	
[Channel>Channel.preOpen](#)	1	0 s	0.000 s	
[...ate@(source,data)obj.onDataReceived()](#)	1	0 s	0.000 s	
[...;create@(source,data)obj.onDataSent()](#)	1	0 s	0.000 s	
[...@()set(obj,'IsStreamingBased','true')](#)	337	0 s	0.000 s	
[...t;OutputColorFormat.OutputColorFormat](#)	6	0 s	0.000 s	

Self time is the time spent in a function excluding the time spent in its child functions. Self time also includes overhead resulting from the process of profiling.