Profile Summary

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Function Name	Calls	**Total Time**	Self Time*
ClosestFrontier	1	134.539 s	0.083 s
ClosestFrontier>CF	1	133.230 s	0.074 s
ClosestFrontier>moveto	250	132.013 s	0.093 s
ClosestFrontier>drawcirc	251	122.866 s	107.879 s
Scatter.doUpdate	544	7.026 s	3.593 s
scatter	252	5.636 s	0.541 s
ClosestFrontier>applyMove	250	4.579 s	4.579 s
ClosestFrontier>updateMap	251	3.153 s	0.474 s
configureAxes	252	2.238 s	0.011 s
configureAxes>checkChildren	252	2.227 s	0.014 s
configureAxes>checkDim	504	2.211 s	0.248 s
ClosestFrontier>updateTitle	251	2.013 s	0.055 s
getChildrenForRuler	504	1.963 s	1.963 s
ClosestFrontier>nodes	251	1.931 s	1.931 s
title	251	1.883 s	1.821 s
Scatter.Scatter>Scatter.Scatter	252	1.785 s	0.424 s
Scatter.cacheLegendIconColors	544	1.396 s	1.284 s
DijkstraForBoundary_mod	250	1.138 s	0.854 s
xlim	251	0.888 s	0.031 s
rulerFunctions	251	0.857 s	0.825 s

Total Time Plot (dark band = self time)

Scatter.getColorAlphaDataExtents	800	0.537 s	0.288 s
Scatter.getXYZDataExtents	503	0.536 s	0.377 s
imagesc	251	0.520 s	0.359 s
...catter>Scatter.get.MarkerFaceColor	1088	0.434 s	0.342 s
Scatter.Scatter>Scatter.set.SizeData	251	0.430 s	0.245 s
Scatter.Scatter>Scatter.get.CData	1344	0.394 s	0.303 s
...gt;Scatter.setMarkerHandleFanoutProps	504	0.369 s	0.273 s
...Scatter.setMarkerHandleNaNFanoutProps	504	0.341 s	0.252 s
newplot	503	0.320 s	0.102 s
...ideoWriter>VideoWriter.VideoWriter	1	0.288 s	0.004 s
Scatter.Scatter>Scatter.set.MarkerHandle	252	0.281 s	0.067 s
...catter>Scatter.set.MarkerHandleNaN	252	0.249 s	0.066 s
...gt;ProfileFactory.checkIsKnownProfile	3	0.216 s	0.005 s
...catter>Scatter.get.MarkerEdgeColor	544	0.214 s	0.167 s
...atter.setSelectionHandle_IFanoutProps	504	0.211 s	0.184 s
updateSelectionHandle	544	0.211 s	0.211 s
...ry>ProfileFactory.getKnownProfiles	3	0.203 s	0.017 s
Scatter.Scatter>Scatter.doSetup	252	0.200 s	0.189 s
...tter>Scatter.set.SelectionHandle_I	252	0.193 s	0.072 s
Scatter.Scatter>Scatter.get.SizeData	544	0.192 s	0.151 s
gobjects	1762	0.191 s	0.191 s
Scatter.Scatter>Scatter.get.Jitter	544	0.181 s	0.141 s
sub2ind	15444	0.177 s	0.177 s
makeNumeric	252	0.171 s	0.015 s
...catter>Scatter.get.MarkerFaceAlpha	544	0.169 s	0.131 s
...catter>Scatter.get.MarkerEdgeAlpha	544	0.167 s	0.129 s
scatter>localGetAxesInfo	252	0.162 s	0.003 s

unique	251	0.161 s	0.021 s
getRulersForChild	252	0.149 s	0.074 s
...catter>Scatter.set.MarkerFaceColor	252	0.141 s	0.082 s
unique>uniqueR2012a	251	0.140 s	0.140 s
Scatter.Scatter>Scatter.set.SizeDataMode	251	0.140 s	0.121 s
...catter>Scatter.set.MarkerEdgeColor	252	0.129 s	0.075 s
isInvalidInLogScale	1088	0.129 s	0.073 s
Scatter.Scatter>Scatter.set.CData	252	0.114 s	0.066 s
...r>Scatter.get.CurrentIconColorInfo	1088	0.112 s	0.112 s
Scatter.Scatter>Scatter.get.CData_I	1848	0.105 s	0.105 s
MPEG4>MPEG4.isValid	3	0.102 s	0.002 s
...tter>Scatter.get.MarkerFaceColor_I	1340	0.101 s	0.101 s
Scatter.Scatter>Scatter.get.Marker	1008	0.096 s	0.079 s
specgraph\private\nextstyle	252	0.094 s	0.094 s
arraytolimits	503	0.092 s	0.092 s
IProfile>IProfile.createPlugin	26	0.088 s	0.020 s
...@(obj,evd)(hObj.sendDataChangedEvent)	755	0.088 s	0.088 s
scatter>parseargs	252	0.086 s	0.044 s
num2str	1006	0.083 s	0.034 s
parseplotapi	252	0.079 s	0.017 s
Scatter.Scatter>Scatter.get.MarkerHandle	3820	0.076 s	0.076 s
flipud	1001	0.076 s	0.076 s
...ideoWriter.generateFullOutputFileName	1	0.075 s	0.005 s
...catter>Scatter.get.SelectionHandle	2056	0.075 s	0.029 s
Scatter.Scatter>Scatter.get.SizeData_I	1047	0.070 s	0.070 s
newplot>ObserveAxesNextPlot	503	0.069 s	0.069 s
Scatter.Scatter>Scatter.set.MarkerOrder	544	0.067 s	0.067 s

preprocessextents	503	0.067 s	0.067 s
colormap	251	0.067 s	0.067 s
MPEG4>MPEG4.MPEG4	8	0.066 s	0.005 s
axis	2	0.058 s	0.007 s
isInvalidInLogScale>basicImpl	1088	0.056 s	0.056 s
...tter>Scatter.get.MarkerEdgeColor_I	796	0.054 s	0.054 s
markFigure	254	0.053 s	0.053 s
usev6plotapi	252	0.053 s	0.053 s
...dationPlugin.MP4MediaFoundationPlugin	8	0.049 s	0.002 s
...tter>Scatter.get.SelectionHandle_I	2308	0.049 s	0.049 s
int2str	1006	0.049 s	0.049 s
...catter>Scatter.get.MarkerHandleNaN	3820	0.048 s	0.048 s
...MP4MediaFoundationPlugin.set.FileName	4	0.047 s	0.001 s
IPlugin>IPlugin.createChannel	4	0.046 s	0.009 s
...ctory>ProfileFactory.createProfile	2	0.043 s	0.002 s
...er>Scatter.set.MarkerFaceColorMode	252	0.042 s	0.037 s
ClosestFrontier>SetupWorld	1	0.042 s	0.008 s
Scatter.Scatter>Scatter.get.Jitter_I	544	0.040 s	0.040 s
...tter>Scatter.get.MarkerFaceAlpha_I	544	0.038 s	0.038 s
Scatter.Scatter>Scatter.set.CDataMode	252	0.038 s	0.032 s
...er>Scatter.set.MarkerEdgeColorMode	252	0.038 s	0.033 s
...tter>Scatter.get.MarkerEdgeAlpha_I	544	0.037 s	0.037 s
Scatter.Scatter>Scatter.set.SizeData_I	503	0.035 s	0.035 s
blockMaps	1	0.034 s	0.004 s
newplot>ObserveFigureNextPlot	503	0.033 s	0.033 s
ind2sub	3861	0.033 s	0.033 s
rulerFunctions>parseFunctionName	251	0.032 s	0.032 s

IPlugin>IPlugin.delete	26	0.031 s	0.005 s
MJ2000>MJ2000.MJ2000	6	0.030 s	0.009 s
parseparams	252	0.029 s	0.029 s
Channel>Channel.Channel	4	0.027 s	0.009 s
Archival>Archival.Archival	3	0.026 s	0.003 s
Scatter.Scatter>Scatter.get.Clipping_I	1512	0.026 s	0.026 s
...y>ProfileFactory.getFileExtensions	1	0.025 s	0.001 s
cell.ismember	2	0.024 s	0.007 s
axis>isnumericAxes	1	0.024 s	0.011 s
tempname	3	0.021 s	0.003 s
axis>LocSetEqual	1	0.020 s	0.016 s
imread	1	0.020 s	0.005 s
Scatter.Scatter>Scatter.get.LineWidth_I	1008	0.020 s	0.020 s
Scatter.Scatter>Scatter.get.SizeDataMode	251	0.019 s	0.019 s
IPlugin>IPlugin.close	27	0.018 s	0.006 s
Scatter.Scatter>Scatter.get.Marker_I	1008	0.017 s	0.017 s
...gin>MP4MediaFoundationPlugin.close	9	0.017 s	0.002 s
Scatter.Scatter>Scatter.set.CData_I	504	0.015 s	0.015 s
Scatter.Scatter>Scatter.get.BrushHandles	544	0.015 s	0.015 s
fullfile	18	0.015 s	0.005 s
...tColorAlphaDataExtents>istruecolor	800	0.014 s	0.014 s
cell.unique	2	0.013 s	0.005 s
VideoWriter.VideoWriter>VideoWriter.open	1	0.013 s	0.002 s
...pegAVI>MotionJpegAVI.MotionJpegAVI	3	0.013 s	0.003 s
IndexedAVI>IndexedAVI.IndexedAVI	3	0.012 s	0.003 s
GrayscaleAVI>GrayscaleAVI.GrayscaleAVI	3	0.012 s	0.004 s
MPEG4>MPEG4.open	1	0.011 s	0.003 s

axescheck	253	0.011 s	0.011 s
scatter>ColorSpecToRGB	252	0.011 s	0.011 s
graph2d\private\labelcheck	251	0.011 s	0.011 s
imread>call_format_specific_reader	1	0.010 s	0.002 s
...ter.VideoWriter>VideoWriter.delete	1	0.010 s	0.001 s
im2bw	1	0.010 s	0.003 s
...tter>Scatter.set.MarkerEdgeColor_I	252	0.010 s	0.010 s
...VideoProperties.MJ2000VideoProperties	6	0.010 s	0.003 s
...iter.VideoWriter>VideoWriter.close	1	0.009 s	0.005 s
...ofile.createFrameWrittenEventListener	26	0.009 s	0.009 s
...tter>Scatter.set.MarkerFaceColor_I	252	0.009 s	0.009 s
...r>Scatter.set.CurrentIconColorInfo	252	0.009 s	0.009 s
...>VideoWriter.initDynamicProperties	1	0.009 s	0.002 s
FilePath>FilePath.get.Writeable	1	0.009 s	0.007 s
ismember	2	0.008 s	0.002 s
imagesci\private\readpng	1	0.008 s	0.002 s
Channel>Channel.delete	4	0.008 s	0.005 s
...VI>UncompressedAVI.UncompressedAVI	3	0.008 s	0.003 s
FilePath>FilePath.get.Absolute	3	0.008 s	0.005 s
cell.unique>celluniqueR2012a	2	0.008 s	0.008 s
Stream>Stream.Stream	8	0.008 s	0.006 s
OutputStream>OutputStream.drain	5	0.007 s	0.003 s
hold	1	0.007 s	0.005 s
fullfile>refinePath	18	0.007 s	0.003 s
ismember>ismemberR2012a	2	0.007 s	0.004 s
...es>VideoProperties.VideoProperties	26	0.007 s	0.007 s
makeNumeric>numericDim	504	0.007 s	0.007 s

specgraph\private\getRealData	252	0.007 s	0.007 s
...argin)obj.addDynamicProp(varargin{:})	10	0.006 s	0.001 s
imagesci\private\readpngutil	1	0.006 s	0.002 s
opaque.char	6	0.006 s	0.006 s
...ugin>MP4MediaFoundationPlugin.open	1	0.006 s	0.002 s
InputStream>InputStream.InputStream	4	0.006 s	0.002 s
ClosestFrontier>makemymovie	375	0.006 s	0.006 s
...er>Scatter.get.MarkerFaceColorMode	252	0.006 s	0.006 s
scatter>Lxychk	252	0.005 s	0.005 s
...oWriter>VideoWriter.addDynamicProp	10	0.005 s	0.004 s
Scatter.Scatter>Scatter.get.CDataMode	252	0.005 s	0.005 s
fileparts	7	0.005 s	0.005 s
Channel>Channel.close	5	0.005 s	0.003 s
scatter>Lcchk	252	0.005 s	0.005 s
...er>Scatter.get.MarkerEdgeColorMode	252	0.005 s	0.005 s
MPEG4>MPEG4.close	1	0.005 s	0.001 s
specgraph\private\datachk	504	0.005 s	0.005 s
OutputStream>OutputStream.OutputStream	4	0.005 s	0.001 s
fullfile>fixIRI	18	0.005 s	0.002 s
...deoProperties.set.LosslessCompression	6	0.004 s	0.003 s
...Plugin>AviFilePlugin.AviFilePlugin	12	0.004 s	0.003 s
...4VideoProperties.MPEG4VideoProperties	8	0.004 s	0.002 s
Channel>Channel.open	1	0.004 s	0.002 s
Channel>Channel.postInit	4	0.004 s	0.004 s
FilePath>FilePath.FilePath	1	0.004 s	0.002 s
Stream>Stream.wait	5	0.004 s	0.002 s
...oProperties.MotionJpegVideoProperties	3	0.004 s	0.002 s

getrangefromclass	1	0.004 s	0.002 s
...j.setDynamicProp(metaprop.Name,value)	2	0.004 s	0.001 s
getpixelposition	1	0.004 s	0.001 s
...oProperties.IndexedAviVideoProperties	3	0.003 s	0.002 s
ismember>ismemberBuiltinTypes	2	0.003 s	0.003 s
...IconColorInfoCache.IconColorInfoCache	252	0.003 s	0.003 s
...eAviFilePlugin.GrayscaleAviFilePlugin	3	0.003 s	0.001 s
axis>LocSetTight	1	0.003 s	0.003 s
fullfile>ensureTrailingFilesep	18	0.002 s	0.001 s
uitools\private\getPixelPositionHelper	1	0.002 s	0.002 s
Channel>Channel.preInit	4	0.002 s	0.002 s
...oWriter>VideoWriter.setDynamicProp	2	0.002 s	0.002 s
specgraph\private\checkpvpairs	252	0.002 s	0.002 s
startsWith	18	0.002 s	0.002 s
MJ2000Plugin>MJ2000Plugin.MJ2000Plugin	6	0.002 s	0.002 s
deal	252	0.002 s	0.002 s
IProfile>IProfile.IProfile	26	0.002 s	0.002 s
ctorHelper	252	0.002 s	0.002 s
Channel>Channel.preOpen	1	0.002 s	0.002 s
...xedAviFilePlugin.IndexedAviFilePlugin	3	0.002 s	0.001 s
Channel>Channel.preTerm	4	0.002 s	0.002 s
im2bw>parse_inputs	1	0.002 s	0.002 s
...erties>VideoProperties.errorIfOpen	19	0.002 s	0.002 s
configureAxes>classcheck	504	0.002 s	0.002 s
FilePath>FilePath.get.Exists	4	0.002 s	0.002 s
...am>@(obj)obj.getDataAvailable()==0	5	0.002 s	0.001 s
IPlugin>IPlugin.IPlugin	26	0.002 s	0.002 s

rgb2gray	1	0.002 s	0.001 s
...AviFilePlugin.MotionJpegAviFilePlugin	3	0.002 s	0.001 s
...roperties.GrayscaleAviVideoProperties	3	0.002 s	0.001 s
fullfile>addTrailingFileSep	18	0.002 s	0.002 s
...FoundationPlugin.getFilterInitOptions	4	0.002 s	0.002 s
Stream>Stream.isSupported	8	0.002 s	0.002 s
Channel>Channel.isOpen	10	0.002 s	0.002 s
Channel>Channel.lock	4	0.001 s	0.001 s
...s>MPEG4VideoProperties.set.Quality	9	0.001 s	0.001 s
...oundationPlugin.getChannelInitOptions	4	0.001 s	0.001 s
...er.VideoWriter>VideoWriter.addprop	9	0.001 s	0.001 s
Channel>Channel.postClose	1	0.001 s	0.001 s
Stream>Stream.addFilter	4	0.001 s	0.001 s
...MotionJpegVideoProperties.set.Quality	3	0.001 s	0.001 s
FilePath>FilePath.set.Extension	1	0.001 s	0.001 s
imread>get_full_filename	1	0.001 s	0.001 s
imread>parse_inputs	1	0.001 s	0.001 s
axis>iscartesian	1	0.001 s	0.001 s
intmax	1	0.001 s	0.001 s
Stream>Stream.delete	8	0.001 s	0.001 s
MPEG4>MPEG4.getPluginOpenOptions	1	0.001 s	0.001 s
intmin	1	0.001 s	0.001 s
Stream>Stream.getDataAvailable	5	0.001 s	0.001 s
Stream>Stream.flush	5	0.001 s	0.001 s
...ndexedAviVideoProperties.set.Colormap	3	0.001 s	0.001 s
opaque.toChar	3	0.001 s	0.001 s
Channel>Channel.updateAndFetchLockCount	8	0.001 s	0.001 s

usejava	3	0.001 s	0.001 s
rgb2gray>parse_inputs	1	0.001 s	0.001 s
...ties>VideoProperties.set.FrameRate	1	0.001 s	0.001 s
cellstr	1	0.001 s	0.001 s
axis>allAxes	2	0.001 s	0.001 s
Stream>Stream.set.Timeout	4	0.001 s	0.001 s
VideoProperties>VideoProperties.open	1	0.001 s	0.001 s
ispc	15	0.001 s	0.001 s
tempdir	3	0.001 s	0.001 s
Channel>Channel.unlock	4	0.001 s	0.000 s
ismac	8	0.001 s	0.001 s
IProfile>IProfile.open	1	0.001 s	0.001 s
IPlugin>IPlugin.get.BufferSize	8	0.001 s	0.001 s
imagesci\private\getFileFromURL	1	0.001 s	0.001 s
imagesci\private\pngreadc (MEX-file)	1	0.000 s	0.000 s
strfun\private\isTextStrict	18	0.000 s	0.000 s
...eam>InputStream.clearPartialPacket	4	0.000 s	0.000 s
filesep	3	0.000 s	0.000 s
pwd	3	0.000 s	0.000 s
IProfile>IProfile.isValid	18	0.000 s	0.000 s
VideoProperties>VideoProperties.close	1	0.000 s	0.000 s
imagesci\private\readpng>parse_args	1	0.000 s	0.000 s
IPlugin>IPlugin.getConverterName	4	0.000 s	0.000 s
IPlugin>IPlugin.open	1	0.000 s	0.000 s
java.util.UUID (Java method)	3	0.000 s	0.000 s
+io\private\mexMMGetAbsolutePath (MEX-file)	3	0.000 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.