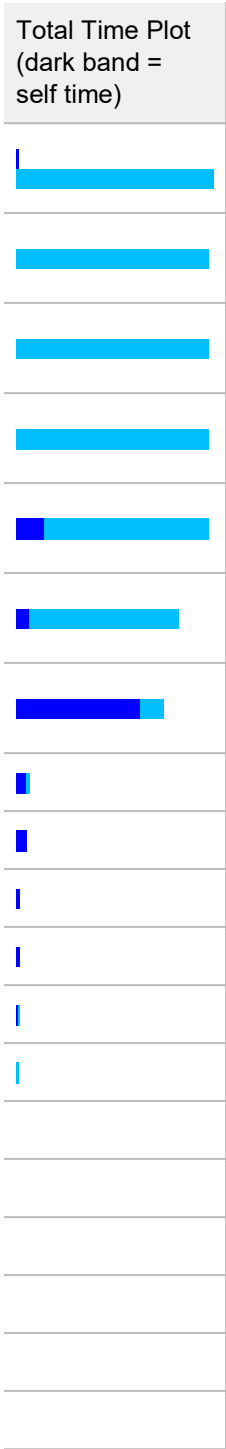


## Profile Summary

Generated 14-Nov-2018 10:23:59 using performance time.

<a href="#">Function Name</a>	<a href="#">Calls</a>	<a href="#">Total Time</a>	<a href="#">Self Time*</a>
<a href="#">prototypeSim</a>	1	382.938 s	2.781 s
<a href="#">ode45</a>	1	369.091 s	0.197 s
<a href="#">...t.y)rotorStateSimple(t.y,rotor,water)</a>	20599	368.876 s	0.163 s
<a href="#">rotorStateSimple</a>	20599	368.713 s	0.784 s
<a href="#">rotor&gt;rotor.computeAeroLoadsBasic</a>	20599	367.459 s	52.097 s
<a href="#">bladesection&gt;bladesection.computeLoads</a>	1235940	309.322 s	26.650 s
<a href="#">interp1</a>	3707820	282.672 s	237.570 s
<a href="#">interp1&gt;reshapeAndSortXandV</a>	3707820	27.757 s	20.739 s
<a href="#">interp1&gt;parseinputs</a>	3707820	17.345 s	17.345 s
<a href="#">interp1&gt;reshapeValuesV</a>	3707820	7.019 s	7.019 s
<a href="#">cross</a>	2471880	6.040 s	6.040 s
<a href="#">getframe</a>	201	4.736 s	2.728 s
<a href="#">axis</a>	402	2.165 s	0.077 s
<a href="#">graphics\private\alternateGetframe</a>	201	1.919 s	0.016 s
<a href="#">getframeWithDecorations</a>	201	1.899 s	1.876 s
<a href="#">...VideoWriter&gt;VideoWriter.writeVideo</a>	1	1.715 s	0.274 s
<a href="#">IProfile&gt;IProfile.writeVideoFrame</a>	201	1.200 s	0.034 s
<a href="#">...tionJpegAviFilePlugin.writeVideoFrame</a>	201	1.163 s	0.002 s
<a href="#">...ugin&gt;AviFilePlugin.writeVideoFrame</a>	201	1.162 s	0.003 s



<a href="#">IPlugin&gt;IPlugin.writeVideoFrame</a>	201	1.159 s	0.008 s
<a href="#">OutputStream&gt;OutputStream.write</a>	201	1.138 s	0.019 s
<a href="#">Stream&gt;Stream.wait</a>	186	1.016 s	0.241 s
<a href="#">axis&gt;isnumericAxes</a>	201	0.865 s	0.865 s
<a href="#">newplot</a>	604	0.771 s	0.064 s
<a href="#">axis&gt;LocCheckCompatibleLimits</a>	201	0.632 s	0.579 s
<a href="#">newplot&gt;ObserveAxesNextPlot</a>	604	0.619 s	0.047 s
<a href="#">cla</a>	202	0.572 s	0.022 s
<a href="#">xlabel</a>	201	0.561 s	0.549 s
<a href="#">graphics\private\clo</a>	202	0.501 s	0.501 s
<a href="#">ylabel</a>	201	0.491 s	0.482 s
<a href="#">axis&gt;LocSetEqual</a>	201	0.441 s	0.012 s
<a href="#">axis&gt;LocSetImage</a>	201	0.429 s	0.353 s
<a href="#">...gt:@(obj)obj.getSpaceAvailable(&gt;)&gt;0</a>	12867	0.257 s	0.042 s
<a href="#">Stream&gt;Stream.isDeviceDone</a>	13172	0.244 s	0.244 s
<a href="#">...Writer&gt;VideoWriter.convertToOutput</a>	1	0.239 s	0.002 s
<a href="#">...ter&gt;VideoWriter.convertFramesToRGB</a>	1	0.224 s	0.218 s
<a href="#">Stream&gt;Stream.getSpaceAvailable</a>	12896	0.216 s	0.216 s
<a href="#">Stream&gt;Stream.isOpen</a>	13172	0.215 s	0.215 s
<a href="#">close</a>	2	0.197 s	0.007 s
<a href="#">hold</a>	402	0.196 s	0.140 s
<a href="#">rotor&gt;rotor.set.position</a>	20600	0.168 s	0.168 s
<a href="#">close&gt;request_close</a>	2	0.148 s	0.008 s
<a href="#">OutputStream&gt;OutputStream.writePackets</a>	201	0.142 s	0.142 s
<a href="#">closereq</a>	6	0.127 s	0.123 s
<a href="#">...ideoWriter&gt;VideoWriter.VideoWriter</a>	1	0.109 s	0.003 s
<a href="#">rotor&gt;rotor.set.velocity</a>	20600	0.105 s	0.105 s



<a href="#">rotor&gt;rotor.set.orientation</a>	20600	0.102 s	0.102 s
<a href="#">rotor&gt;rotor.set.angvel</a>	20600	0.098 s	0.098 s
<a href="#">UnsupportedInUifigure</a>	201	0.089 s	0.054 s
<a href="#">markFigure</a>	804	0.085 s	0.085 s
<a href="#">...ctory&gt;ProfileFactory.createProfile</a>	2	0.082 s	0.002 s
<a href="#">Default&gt;Default.Default</a>	2	0.079 s	0.001 s
<a href="#">...pegAVI&gt;MotionJpegAVI.MotionJpegAVI</a>	2	0.079 s	0.003 s
<a href="#">axis&gt;LocSetLimits</a>	201	0.079 s	0.079 s
<a href="#">axis&gt;LocSetTight</a>	201	0.076 s	0.076 s
<a href="#">IProfile&gt;IProfile.createPlugin</a>	2	0.073 s	0.002 s
<a href="#">...AviFilePlugin.MotionJpegAviFilePlugin</a>	2	0.070 s	0.001 s
<a href="#">...Plugin&gt;AviFilePlugin.AviFilePlugin</a>	2	0.070 s	0.001 s
<a href="#">AviFilePlugin&gt;AviFilePlugin.set.FileName</a>	1	0.068 s	0.001 s
<a href="#">IPlugin&gt;IPlugin.createChannel</a>	1	0.068 s	0.006 s
<a href="#">gobjects</a>	1208	0.066 s	0.066 s
<a href="#">funfun\private\odearguments</a>	1	0.059 s	0.005 s
<a href="#">IPlugin&gt;IPlugin.close</a>	3	0.058 s	0.002 s
<a href="#">...iter.VideoWriter&gt;VideoWriter.close</a>	2	0.057 s	0.004 s
<a href="#">is2D</a>	201	0.054 s	0.009 s
<a href="#">IProfile&gt;IProfile.close</a>	1	0.052 s	0.001 s
<a href="#">graphics\private\claNotify</a>	202	0.050 s	0.040 s
<a href="#">is2D&gt;testOneAxes</a>	201	0.045 s	0.045 s
<a href="#">...bj.onCustomEvent(data.Type.data.Data)</a>	201	0.045 s	0.002 s
<a href="#">Channel&gt;Channel.onCustomEvent</a>	201	0.043 s	0.012 s
<a href="#">Channel&gt;Channel.Channel</a>	1	0.042 s	0.035 s
<a href="#">close&gt;safefetchchildren</a>	1	0.041 s	0.005 s
<a href="#">OutputStream&gt;OutputStream.drain</a>	2	0.040 s	0.001 s



<a href="#">clearvars</a>	1	0.031 s	0.016 s
<a href="#">setdiff</a>	2	0.030 s	0.002 s
<a href="#">ismember</a>	8	0.028 s	0.002 s
<a href="#">setdiff&gt;setdiffR2012a</a>	2	0.028 s	0.004 s
<a href="#">...ideoWriter.generateFullOutputFileName</a>	1	0.027 s	0.003 s
<a href="#">...(source_data)obj.onFrameWritten(data)</a>	201	0.026 s	0.002 s
<a href="#">ismember&gt;ismemberR2012a</a>	8	0.026 s	0.004 s
<a href="#">IPlugin&gt;IPlugin.onFrameWritten</a>	201	0.024 s	0.015 s
<a href="#">ismember&gt;ismemberClassTypes</a>	8	0.022 s	0.006 s
<a href="#">getFigureJavaFrame</a>	201	0.020 s	0.020 s
<a href="#">axis&gt;iscartesian</a>	201	0.020 s	0.020 s
<a href="#">isUIFigure</a>	201	0.018 s	0.018 s
<a href="#">newplot&gt;ObserveFigureNextPlot</a>	604	0.016 s	0.016 s
<a href="#">Channel&gt;Channel.close</a>	2	0.016 s	0.014 s
<a href="#">unique</a>	6	0.015 s	0.006 s
<a href="#">graph2d\private\labelcheck</a>	402	0.015 s	0.012 s
<a href="#">Channel&gt;Channel.isOpen</a>	205	0.013 s	0.013 s
<a href="#">close&gt;request_close_helper</a>	12	0.013 s	0.006 s
<a href="#">IPlugin&gt;IPlugin.delete</a>	2	0.013 s	0.001 s
<a href="#">onCleanup&gt;onCleanup.delete</a>	403	0.013 s	0.005 s
<a href="#">...Writer&gt;VideoWriter.convertDataType</a>	1	0.013 s	0.001 s
<a href="#">axis&gt;allAxes</a>	402	0.013 s	0.013 s
<a href="#">...riter.validateAllowableFrameDataTypes</a>	1	0.012 s	0.001 s
<a href="#">...y&gt;ProfileFactory.getFileExtensions</a>	1	0.011 s	0.001 s
<a href="#">VideoWriter.VideoWriter&gt;VideoWriter.open</a>	1	0.011 s	0.001 s
<a href="#">...am&gt;@(obj)obj.getDataAvailable()==0</a>	491	0.011 s	0.002 s
<a href="#">cell.union</a>	1	0.010 s	0.001 s





<a href="#">Stream&gt;Stream.addFilter</a>	1	0.010 s	0.010 s
<a href="#">clearNotify</a>	200	0.010 s	0.010 s
<a href="#">MotionJpegAVI&gt;MotionJpegAVI.open</a>	1	0.010 s	0.001 s
<a href="#">unique&gt;uniqueR2012a</a>	6	0.009 s	0.009 s
<a href="#">cell.union&gt;cellunionR2012a</a>	1	0.009 s	0.002 s
<a href="#">axescheck</a>	402	0.009 s	0.009 s
<a href="#">Stream&gt;Stream.getDataAvailable</a>	491	0.009 s	0.009 s
<a href="#">rotor&gt;rotor.rotor</a>	1	0.008 s	0.008 s
<a href="#">cell.unique</a>	1	0.007 s	0.003 s
<a href="#">fullfile</a>	3	0.007 s	0.003 s
<a href="#">...&gt;VideoWriter.initDynamicProperties</a>	1	0.007 s	0.002 s
<a href="#">...lugin&gt;MotionJpegAviFilePlugin.open</a>	1	0.006 s	0.000 s
<a href="#">AviFilePlugin&gt;AviFilePlugin.open</a>	1	0.006 s	0.000 s
<a href="#">IPlugin&gt;IPlugin.open</a>	1	0.006 s	0.001 s
<a href="#">funfun\private\ntpr45split</a>	199	0.006 s	0.006 s
<a href="#">...(source,data)obj.onFrameWritten(data)</a>	201	0.005 s	0.002 s
<a href="#">airfoil&gt;airfoil.airfoil</a>	1	0.005 s	0.001 s
<a href="#">convertStringToCharArgs</a>	402	0.005 s	0.005 s
<a href="#">...asPlugin&gt;CanvasPlugin.createCanvas</a>	2	0.005 s	0.003 s
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	403	0.005 s	0.005 s
<a href="#">allchild</a>	1	0.005 s	0.003 s
<a href="#">Channel&gt;Channel.delete</a>	1	0.005 s	0.003 s
<a href="#">blade&gt;blade.blade</a>	1	0.005 s	0.004 s
<a href="#">...argin)obj.addDynamicProp(varargin{:})</a>	10	0.005 s	0.001 s
<a href="#">UnsupportedInUifigure&gt;@().warning(w)</a>	201	0.005 s	0.005 s
<a href="#">...er&gt;VideoWriter.validateFrameStruct</a>	1	0.005 s	0.004 s
<a href="#">Channel&gt;Channel.open</a>	1	0.005 s	0.003 s



<a href="#">...fo&gt;CustomEventInfo.CustomEventInfo</a>	201	0.005 s	0.005 s
<a href="#">Channel&gt;@(source.data)obj.onDataSent()</a>	29	0.004 s	0.001 s
<a href="#">...oWriter&gt;VideoWriter.addDynamicProp</a>	10	0.004 s	0.003 s
<a href="#">...rittenEventData.FrameWrittenEventData</a>	201	0.004 s	0.004 s
<a href="#">airfoil&gt;getClCdCmCurve</a>	1	0.004 s	0.004 s
<a href="#">IProfile&gt;IProfile.onFrameWritten</a>	201	0.004 s	0.002 s
<a href="#">Channel&gt;Channel.onDataSent</a>	29	0.004 s	0.002 s
<a href="#">FilePath&gt;FilePath.get.Absolute</a>	3	0.004 s	0.002 s
<a href="#">gra...labelcheck&gt;local_validlabelobj</a>	402	0.004 s	0.004 s
<a href="#">fileparts</a>	3	0.004 s	0.003 s
<a href="#">...e&gt;IProfile.throwErrorIfWriteFailed</a>	222	0.003 s	0.002 s
<a href="#">isFigureShowEnabled</a>	201	0.003 s	0.003 s
<a href="#">Stream&gt;Stream.Stream</a>	2	0.003 s	0.003 s
<a href="#">FilePath&gt;FilePath.get.Writable</a>	1	0.003 s	0.002 s
<a href="#">com.mathworks.hg.peer.HG2FigurePeer (Java method)</a>	201	0.003 s	0.003 s
<a href="#">odeget</a>	11	0.003 s	0.002 s
<a href="#">InputStream&gt;InputStream.InputStream</a>	1	0.003 s	0.001 s
<a href="#">...j.setDynamicProp(metaprop.Name.value)</a>	1	0.003 s	0.001 s
<a href="#">...oProperties.MotionJpegVideoProperties</a>	2	0.003 s	0.001 s
<a href="#">...t:ToolbarController.ToolbarController</a>	2	0.002 s	0.002 s
<a href="#">cell.unique&gt;celluniqueR2012a</a>	1	0.002 s	0.002 s
<a href="#">...figure&gt;@()lastwarn(lastmsg.lastid)</a>	201	0.002 s	0.002 s
<a href="#">...oWriter&gt;VideoWriter.setDynamicProp</a>	1	0.002 s	0.001 s
<a href="#">fullfile&gt;refinePath</a>	3	0.002 s	0.001 s
<a href="#">FilePath&gt;FilePath.get.Exists</a>	4	0.002 s	0.002 s
<a href="#">OutputStream&gt;OutputStream.OutputStream</a>	1	0.002 s	0.000 s



<a href="#">...olbarController&gt;@(e.d)obj.delete()</a>	6	0.002 s	0.001 s
<a href="#">FilePath&gt;FilePath.FilePath</a>	1	0.002 s	0.001 s
<a href="#">funfun\private\odefinalize</a>	1	0.002 s	0.002 s
<a href="#">cell.ismember</a>	3	0.002 s	0.002 s
<a href="#">...rties&gt;VideoProperties.frameWritten</a>	201	0.002 s	0.002 s
<a href="#">IProfile&gt;IProfile.isWriteError</a>	222	0.002 s	0.002 s
<a href="#">gcbf</a>	12	0.002 s	0.002 s
<a href="#">fluid&gt;fluid.fluid</a>	1	0.002 s	0.001 s
<a href="#">partialMatchString</a>	1	0.002 s	0.001 s
<a href="#">Channel&gt;Channel.postInit</a>	1	0.002 s	0.002 s
<a href="#">fullfile&gt;ensureTrailingFilesep</a>	3	0.002 s	0.001 s
<a href="#">Channel&gt;Channel.preOpen</a>	1	0.001 s	0.001 s
<a href="#">close&gt;checkfigs</a>	9	0.001 s	0.001 s
<a href="#">...am&gt;OutputStream.get.SpaceAvailable</a>	29	0.001 s	0.000 s
<a href="#">...ddenHandles'.oldUDDShowHiddenHandles)</a>	6	0.001 s	0.001 s
<a href="#">...ter.VideoWriter&gt;VideoWriter.delete</a>	1	0.001 s	0.000 s
<a href="#">Channel&gt;Channel.postClose</a>	1	0.001 s	0.001 s
<a href="#">...iter.VideoWriter&gt;@(x)size(x.cdata)</a>	402	0.001 s	0.001 s
<a href="#">...ontroller&gt;ToolbarController.delete</a>	6	0.001 s	0.001 s
<a href="#">odeget&gt;getknownfield</a>	11	0.001 s	0.001 s
<a href="#">...gt;ProfileFactory.checkIsKnownProfile</a>	2	0.001 s	0.001 s
<a href="#">ismember&gt;ismemberBuiltinTypes</a>	2	0.001 s	0.001 s
<a href="#">fullfile&gt;addTrailingFileSep</a>	3	0.001 s	0.001 s
<a href="#">clearvars&gt;parseArgs</a>	1	0.001 s	0.001 s
<a href="#">close&gt;getEmptyHandleList</a>	4	0.001 s	0.001 s
<a href="#">...MotionJpegVideoProperties.set.Quality</a>	2	0.001 s	0.001 s
<a href="#">Channel&gt;Channel.unlock</a>	1	0.001 s	0.000 s



<a href="#">...egAviFilePlugin.getChannelInitOptions</a>	1	0.001 s	0.001 s
<a href="#">bladesection&gt;bladesection.bladesection</a>	1	0.001 s	0.001 s
<a href="#">...ties&gt;VideoProperties.set.FrameRate</a>	1	0.001 s	0.001 s
<a href="#">...er.VideoWriter&gt;VideoWriter.addprop</a>	9	0.001 s	0.001 s
<a href="#">...gt:MotionJpegAVI.getPluginOpenOptions</a>	1	0.001 s	0.001 s
<a href="#">...pegAviFilePlugin.getFilterInitOptions</a>	1	0.001 s	0.001 s
<a href="#">FilePath&gt;FilePath.set.Extension</a>	1	0.001 s	0.001 s
<a href="#">...ofile.createFrameWrittenEventListener</a>	2	0.001 s	0.001 s
<a href="#">fullfile&gt;fixIRI</a>	3	0.001 s	0.001 s
<a href="#">funfun\private\odemass</a>	1	0.001 s	0.001 s
<a href="#">...es&gt;VideoProperties.VideoProperties</a>	2	0.001 s	0.001 s
<a href="#">Stream&gt;Stream.isSupported</a>	2	0.001 s	0.001 s
<a href="#">IProfile&gt;IProfile.waitAndCheckForError</a>	1	0.001 s	0.001 s
<a href="#">...oWriter&gt;VideoWriter.verifyNumBands</a>	1	0.001 s	0.001 s
<a href="#">funfun\private\odeevents</a>	1	0.001 s	0.001 s
<a href="#">fluid&gt;fluid.set.velocity</a>	2	0.001 s	0.001 s
<a href="#">Stream&gt;Stream.delete</a>	2	0.001 s	0.001 s
<a href="#">VideoProperties&gt;VideoProperties.open</a>	1	0.001 s	0.001 s
<a href="#">...dler&gt;MessageHandler.MessageHandler</a>	1	0.001 s	0.000 s
<a href="#">Channel&gt;Channel.preTerm</a>	1	0.001 s	0.001 s
<a href="#">Channel&gt;Channel.updateAndFetchLockCount</a>	2	0.001 s	0.001 s
<a href="#">...deoWriter&gt;@(x)~isempty(x.colormap)</a>	201	0.001 s	0.001 s
<a href="#">Stream&gt;Stream.set.Timeout</a>	1	0.001 s	0.001 s
<a href="#">...VideoWriter&gt;@(x)~isempty(x.cdata)</a>	201	0.001 s	0.001 s
<a href="#">...ter.VideoWriter&gt;@(x)class(x.cdata)</a>	201	0.001 s	0.001 s
<a href="#">Channel&gt;Channel.lock</a>	1	0.001 s	0.001 s
<a href="#">blade&gt;blade.set.sectionLocs</a>	1	0.000 s	0.000 s





<a href="#">uitools\private\allchildRootHelper</a>	1	0.000 s	0.000 s
<a href="#">allchild&gt;getchildren</a>	1	0.000 s	0.000 s
<a href="#">...set(rootobj,'ShowHiddenHandles',Temp)</a>	1	0.000 s	0.000 s
<a href="#">strlen</a>	1	0.000 s	0.000 s
<a href="#">...vasPlugin&gt;CanvasPlugin.getInstance</a>	2	0.000 s	0.000 s
<a href="#">...ntInfo&gt;DataEventInfo.DataEventInfo</a>	2	0.000 s	0.000 s
<a href="#">Stream&gt;Stream.flush</a>	2	0.000 s	0.000 s
<a href="#">funfun\private\odefcncleanup</a>	1	0.000 s	0.000 s
<a href="#">...ory&gt;ProfileFactory.getProfileClass</a>	2	0.000 s	0.000 s
<a href="#">blade&gt;thinrod</a>	1	0.000 s	0.000 s
<a href="#">IProfile&gt;IProfile.open</a>	1	0.000 s	0.000 s
<a href="#">...eam&gt;InputStream.clearPartialPacket</a>	1	0.000 s	0.000 s
<a href="#">blade&gt;blade.set.centermass</a>	1	0.000 s	0.000 s
<a href="#">...riter&gt;VideoWriter.computeNumFrames</a>	1	0.000 s	0.000 s
<a href="#">ispc</a>	3	0.000 s	0.000 s
<a href="#">...erties&gt;VideoProperties.errorIfOpen</a>	3	0.000 s	0.000 s
<a href="#">clearvars&gt;createPattern</a>	1	0.000 s	0.000 s
<a href="#">IProfile&gt;IProfile.getPreferredColorSpace</a>	1	0.000 s	0.000 s
<a href="#">IPlugin&gt;IPlugin.get.BufferSize</a>	2	0.000 s	0.000 s
<a href="#">VideoProperties&gt;VideoProperties.close</a>	1	0.000 s	0.000 s
<a href="#">...dler&gt;MessageHandler.MessageHandler</a>	1	0.000 s	0.000 s
<a href="#">IPlugin&gt;IPlugin.getConverterName</a>	1	0.000 s	0.000 s
<a href="#">IProfile&gt;IProfile.IProfile</a>	2	0.000 s	0.000 s
<a href="#">IPlugin&gt;IPlugin.IPlugin</a>	2	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.

