



Profile Summary

Generated 26-Feb-2024 01:04:25 using performance time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
MainScriptCGR	1	479.294 s	0.828 s	
parallel_function	3	402.886 s	0.029 s	
parallel_function>distributed_execution	3	401.997 s	0.058 s	
...>remoteparfor.getCompleteIntervals	33	399.197 s	0.361 s	
classificationCode	1	392.790 s	0.040 s	
java.util.concurrent.LinkedBlockingQueue (Java method)	481	391.591 s	391.591 s	
readFasta	1	52.444 s	6.450 s	
fastaread	4721	45.941 s	45.723 s	
cmdscale	1	9.374 s	9.373 s	
remoteparfor>remoteparfor.deserialize	90	6.609 s	0.018 s	
deserialize	90	6.591 s	0.339 s	
f_dis	1	6.265 s	1.624 s	
distcompdeserialize (MEX-file)	90	4.014 s	4.014 s	
corrcoef	1	3.891 s	0.047 s	
corrcoef>correl	1	3.844 s	0.292 s	
cov	1	3.553 s	3.553 s	
remoteparfor>remoteparfor.serialize	93	2.423 s	0.006 s	
serialize	93	2.417 s	0.155 s	
seqlinkage	1	2.415 s	1.898 s	
remoteparfor>remoteparfor.addInterval	90	1.915 s	0.025 s	
cell2mat	2	1.879 s	1.879 s	
distcompByteBufferHandles2MxArray (MEX-file)	90	1.811 s	1.811 s	
distcompserialize64 (MEX-file)	93	1.718 s	1.718 s	
...omp.pmode.parfor.ParforControllerImpl (Java method)	513	0.976 s	0.976 s	
...initData,F)createEngine(M,initData,F)	3	0.800 s	0.000 s	

PoolOptions>PoolOptions.createEngine	3	0.800 s	0.025 s	
remoteparfor>remoteparfor.remoteparfor	3	0.775 s	0.005 s	
...gt;remoteparfor.buildParforController	3	0.768 s	0.017 s	
num2str	18884	0.739 s	0.172 s	
...for>remoteparfor.allIntervalsAdded	3	0.729 s	0.002 s	
phytreewrite	1	0.714 s	0.007 s	
phytree.getnewickstr	1	0.706 s	0.198 s	
remoteparfor>remoteparfor.displayOutput	478	0.617 s	0.398 s	
datacursormode	2	0.606 s	0.003 s	
distcompMakeByteBufferHandles (MEX-file)	93	0.545 s	0.545 s	
f_rewrap	1	0.473 s	0.473 s	
struct2table	1	0.444 s	0.183 s	
legend	1	0.436 s	0.007 s	
...oolbox.distcomp.util.ByteBufferHandle (Java method)	90	0.427 s	0.427 s	
num2str>handleNumericPrecision	9440	0.416 s	0.028 s	
num2str>convertUsingRecycledSprintf	9440	0.388 s	0.388 s	
phytree.phytree	1	0.375 s	0.087 s	
activateuimode	1	0.335 s	0.001 s	
...ager>uimodemanager.set.CurrentMode	1	0.332 s	0.001 s	
uimodemanager.uimodemanager>localSetMode	1	0.332 s	0.001 s	
uimode.uimode>uimode.set.Enable	1	0.326 s	0.005 s	
uimode.modeControl	1	0.320 s	0.005 s	
legend>make_legend	1	0.306 s	0.030 s	
hgfeval	1	0.306 s	0.001 s	
datacursormode>localSetUIOn	1	0.304 s	0.008 s	
f_unwrap	1	0.277 s	0.277 s	
datacursormode>localGetMode	2	0.268 s	0.065 s	
...de>locallsMouseOverDataAnnotatable	1	0.256 s	0.245 s	
strcat	4733	0.228 s	0.210 s	
tabular.display	1	0.196 s	0.045 s	
hold	1	0.172 s	0.047 s	
onCleanup>onCleanup.delete	4740	0.169 s	0.067 s	

...rm>make_srgb2xyz_or_xyz2srgb_cform	1	0.169 s	0.001 s	
int2str	9444	0.143 s	0.143 s	
linkage	1	0.143 s	0.131 s	
makecform>load_sRGB_profile	1	0.141 s	0.033 s	
table.table>table.getPropertyNamesList	1	0.134 s	0.131 s	
table.table>table.fromScalarStruct	1	0.126 s	0.004 s	
legend>find_legend	2	0.123 s	0.123 s	
table.table>table.init	1	0.122 s	0.010 s	
Legend.Legend>Legend.Legend	1	0.122 s	0.016 s	
Legend.Legend>Legend.set.Axes	1	0.118 s	0.001 s	
Legend.Legend>Legend.set.Axes_I	1	0.117 s	0.000 s	
Legend.Legend>Legend.setAxesImpl	1	0.117 s	0.006 s	
...asPlugin>CanvasPlugin.createCanvas	1	0.111 s	0.014 s	
distinguishable_colors	1	0.109 s	0.036 s	
iccread	1	0.108 s	0.014 s	
getHeader	1	0.105 s	0.000 s	
getHeader>getTabularHeader	1	0.105 s	0.010 s	
legendcolorbarlayout	1	0.103 s	0.044 s	
...ox.distcomp.pmode.DrainableOutputImpl (Java method)	405	0.101 s	0.101 s	
fastaread>@0fclose(fid)	4721	0.097 s	0.097 s	
...t;DataCursorManager.DataCursorManager	1	0.096 s	0.004 s	
iccread>iccread_embedded	1	0.090 s	0.014 s	
dimensionString	1	0.088 s	0.004 s	
Legend.doSetup	1	0.088 s	0.057 s	
applycform	10	0.084 s	0.023 s	
isDesktopInUse	1	0.083 s	0.010 s	
desktop	1	0.073 s	0.039 s	
remoteparfor>iDisplayStringArray	405	0.072 s	0.072 s	
@phytree/private/prettyorder	1	0.067 s	0.067 s	
uimode	1	0.063 s	0.020 s	
findall	8	0.061 s	0.043 s	
onCleanup>onCleanup.onCleanup	4740	0.061 s	0.061 s	

metaDim>metaDim.checkAgainstVarLabels	1	0.060 s	0.011 s	
...distributed_execution/consume_reduce	90	0.057 s	0.045 s	
...ager.DataCursorManager>findAllTips	3	0.055 s	0.005 s	
...>DataCursorManager.initContextMenu	1	0.054 s	0.007 s	
...tup>CanvasSetup.createScribeLayers	1	0.049 s	0.010 s	
axis	1	0.047 s	0.022 s	
makeUniqueStrings	1	0.047 s	0.004 s	
tabular DISP	1	0.046 s	0.019 s	
DataCursorManager.createContextMenu	1	0.046 s	0.046 s	
ToolbarFactory>ToolbarFactory.getToolbar	1	0.046 s	0.036 s	
makecform	5	0.043 s	0.017 s	
uigetmodemanager	6	0.043 s	0.023 s	
PathInfo>PathInfo.PathInfo	13	0.043 s	0.010 s	
iccread>read_header	1	0.043 s	0.017 s	
makecform>make_srgb2lab_cform	1	0.042 s	0.002 s	
colorspaces/private/applymattrc_fwd	2	0.041 s	0.007 s	
...interactions.createDefaultInteractions	8	0.040 s	0.015 s	
...anager>ScribeStackManager.getLayer	4	0.039 s	0.002 s	
makeUniqueStrings>makeUnique	1	0.039 s	0.019 s	
getuimode	2	0.038 s	0.005 s	
uimode.createuimode	1	0.038 s	0.013 s	
...t;PathInfo.getSerializedClearPathInfo	2	0.037 s	0.021 s	
...ger>ScribeStackManager.createLayer	3	0.036 s	0.021 s	
colorspaces/private/applycurve	6	0.034 s	0.014 s	
PathInfo>PathInfo.getSerializedPathInfo	11	0.034 s	0.002 s	
Capability>Capability.require	1	0.032 s	0.001 s	
...nager>AxesLayoutManager.getManager	1	0.032 s	0.015 s	
remoteparfor>remoteparfor.complete	3	0.032 s	0.009 s	
Capability>Capability.Unsupported	1	0.032 s	0.016 s	
...anager>AxesLayoutManager.addToTree	1	0.028 s	0.013 s	
unique	5	0.026 s	0.015 s	
ismember	4	0.025 s	0.003 s	
xlabel	1	0.025 s	0.014 s	

legend>process_inputs	1	0.025 s	0.003 s	
iccread>get_public_tag	17	0.023 s	0.005 s	
cellstr	15	0.022 s	0.022 s	
ismember>ismemberR2012a	4	0.022 s	0.003 s	
...rManager>findTipsInChartContainers	3	0.022 s	0.001 s	
...anager>DataCursorManager.startMode	1	0.022 s	0.001 s	
cvpartition>cvpartition.cvpartition	1	0.021 s	0.015 s	
metaDim>metaDim.metaDim	1	0.021 s	0.007 s	
...arfor.awaitCompletionDisplayingOutput	3	0.021 s	0.015 s	
...MATLABDrivePathMap.MATLABDrivePathMap	13	0.020 s	0.002 s	
...er>DataCursorManager.set.UpdateFcn	1	0.020 s	0.000 s	
legend>getLegendableChildren	1	0.020 s	0.002 s	
hggetbehavior	2	0.020 s	0.001 s	
...anager>uimodemanager.uimodemanager	1	0.019 s	0.010 s	
tabular.tabular>tabular.initInternals	1	0.019 s	0.002 s	
hggetbehavior>localGet	2	0.019 s	0.006 s	
lengthCalc	1	0.019 s	0.018 s	
ismember>ismemberClassTypes	3	0.019 s	0.008 s	
parforOptions	3	0.019 s	0.010 s	
interp1	6	0.019 s	0.011 s	
...taCursorManager.initializeFigureState	3	0.018 s	0.016 s	
...DrivePathMap.createMATLABDrivePathMap	13	0.018 s	0.008 s	
parallel_function>PCTInstalled	3	0.018 s	0.018 s	
newplotwrapper	4	0.017 s	0.006 s	
getLegendableChildren	1	0.017 s	0.006 s	
blanks	4733	0.017 s	0.017 s	
strmatch	38	0.016 s	0.016 s	
...ension>tabularDimension.createLike	2	0.016 s	0.001 s	
...t;DataCursorManager.updateDataCursors	1	0.016 s	0.000 s	
...t;DataCursorManager.get.CurrentCursor	1	0.016 s	0.000 s	
varNamesDim>varNamesDim.createLike	1	0.015 s	0.001 s	
...mension>tabularDimension.setLabels	2	0.015 s	0.002 s	
...avaMigrationTools.suppressedJavaFrame	1	0.015 s	0.001 s	

xlabel	1	0.015 s	0.013 s	
datestr	1	0.015 s	0.003 s	
setdiff	1	0.015 s	0.002 s	
getJavaFutureInterruptibly	3	0.014 s	0.008 s	
JavaMigrationTools>suppressWarning	1	0.014 s	0.008 s	
makecform>parseWPInputs	3	0.014 s	0.004 s	
setListenerState	8	0.014 s	0.008 s	
...t;varNamesDim.validateAndAssignLabels	1	0.013 s	0.006 s	
setdiff>setdiffR2012a	1	0.013 s	0.002 s	
rng	1	0.013 s	0.002 s	
hgbehaviorfactory	2	0.013 s	0.000 s	
validatestring	36	0.012 s	0.005 s	
...>AxesLayoutManager.insertAboveAxes	1	0.012 s	0.005 s	
hgbehaviorfactory>localCreate	2	0.012 s	0.011 s	
...queueCreateDefaultInteractionsOnAxes	8	0.012 s	0.005 s	
...hworks.toolbox.distcomp.pmode.Session (Java method)	403	0.012 s	0.012 s	
MainScriptCGR>(parfor consume)	84	0.012 s	0.012 s	
timefun/private/dateformverify	1	0.011 s	0.005 s	
...cribeLayer>ScribeLayer.ScribeLayer	3	0.011 s	0.004 s	
makecform>make_mattrc_cform	1	0.011 s	0.004 s	
unique>uniqueR2012a	5	0.011 s	0.011 s	
whitepoint	3	0.011 s	0.006 s	
newplot	4	0.010 s	0.005 s	
isPathFrozen	13	0.010 s	0.004 s	
...ATLABDriveUtils.getRelativeClientPath	11	0.010 s	0.002 s	
...:DesktopToolbarController.getInstance	1	0.010 s	0.001 s	
allchild	3	0.009 s	0.005 s	
...arController.DesktopToolbarController	1	0.009 s	0.000 s	
...t;ToolbarController.ToolbarController	1	0.009 s	0.008 s	
PoolOptions>PoolOptions.build	3	0.009 s	0.002 s	
MainScriptCGR>(parfor supply)	84	0.009 s	0.009 s	
...>metaDim.fixLabelsForCompatibility	1	0.009 s	0.005 s	

...nPane>AnnotationPane.doGetChildren	56	0.009 s	0.009 s	
cell.unique	1	0.008 s	0.001 s	
...(src,event)hObj.childAdded(src,event)	4	0.008 s	0.001 s	
createListener	10	0.008 s	0.008 s	
...veUtils.getCanonicalMATLABDriveFolder	11	0.008 s	0.002 s	
pctTryCreatePoolIfNecessary	3	0.008 s	0.002 s	
...m.RandStream>RandStream.RandStream	1	0.008 s	0.004 s	
num2str>strvrcat	1	0.008 s	0.003 s	
varNamesDim>varNamesDim.varNamesDim	1	0.008 s	0.003 s	
...r>AxesLayoutManager.ValidateObject	1	0.008 s	0.001 s	
...Scribelayer>Scribelayer.childAdded	4	0.008 s	0.006 s	
...AxesInteractions.queuedAxesOperations	9	0.007 s	0.007 s	
cell.unique>celluniqueR2012a	1	0.007 s	0.007 s	
Legend.attachAxesListeners	1	0.007 s	0.003 s	
Engine>Engine.divideRangeIntoIntervals	3	0.007 s	0.002 s	
iccread>read_signature_type	1	0.007 s	0.002 s	
timefun/private/formatdate	1	0.007 s	0.006 s	
close	1	0.007 s	0.001 s	
title	1	0.007 s	0.004 s	
PoolOptions>PoolOptions.PoolOptions	3	0.007 s	0.003 s	
colorspaces/private/xyz2lab	2	0.006 s	0.006 s	
FigureUtils>FigureUtils.isEditorFigure	8	0.006 s	0.003 s	
...nInMemoryImpl.cvpartitionInMemoryImpl	1	0.006 s	0.002 s	
...rayManager.getOrAutoCreateWithCleanup	3	0.006 s	0.001 s	
colorspaces/private/encode_color	10	0.006 s	0.002 s	
stringToChar	6	0.006 s	0.004 s	
getMATLABDriveFolder	11	0.006 s	0.006 s	
ylabel	1	0.006 s	0.004 s	
getParamVal	1	0.006 s	0.004 s	
Legend.setupBoxEdge	1	0.006 s	0.005 s	
dctSchedulerMessage	9	0.006 s	0.003 s	
islegendable	1	0.005 s	0.005 s	
...nager>AxesLayoutManager.findMethod	4	0.005 s	0.005 s	

validatestring>checkString	36	0.005 s	0.005 s	
close>safegetchildren	1	0.005 s	0.001 s	
parfor_colon_range_check	3	0.005 s	0.004 s	
...nPane>AnnotationPane.getParentImpl	78	0.005 s	0.005 s	
getHeader>getClassnameString	1	0.005 s	0.004 s	
...Pane>AnnotationPane.AnnotationPane	2	0.005 s	0.001 s	
box	1	0.005 s	0.005 s	
interp1>parseinputs	6	0.005 s	0.004 s	
Engine>divide_biharmonic	3	0.005 s	0.004 s	
markFigure	5	0.005 s	0.005 s	
legend>setDisplayNames	1	0.005 s	0.004 s	
tabularDimension>tabularDimension.init	3	0.005 s	0.005 s	
getpixelposition	1	0.005 s	0.004 s	
iccread>fread_check	119	0.005 s	0.005 s	
PoolArrayManager>iManipulatePoolArray	3	0.005 s	0.003 s	
...gt;@(x)feature('DirectoryIsFrozen',x)	13	0.005 s	0.005 s	
...ode>uimode.set.WindowButtonDownFcn	1	0.005 s	0.004 s	
datenum	1	0.005 s	0.004 s	
tabular_disp>alignTabularContents	1	0.005 s	0.004 s	
hex2dec	4	0.005 s	0.000 s	
distcompserialize (MEX-file)	13	0.004 s	0.004 s	
...gt;DataCursorManager.get.DisplayStyle	1	0.004 s	0.000 s	
strlength	5	0.004 s	0.004 s	
applycform>check_cform	10	0.004 s	0.004 s	
hex2dec>hex2decImpl	4	0.004 s	0.004 s	
parseArgs	1	0.004 s	0.004 s	
...rforControllerImpl\$IntervalResultImpl (Java method)	270	0.004 s	0.004 s	
metaDim>metaDim.initWithCompatibility	1	0.004 s	0.001 s	
iccread>read_xyz_type	6	0.004 s	0.004 s	
...Manager>DataCursorManager.getState	1	0.004 s	0.001 s	
strjust	1	0.004 s	0.000 s	
...uimodemanager>localScribeclearmode	1	0.004 s	0.003 s	

uimode.modeControl>localStartMode	1	0.004 s	0.002 s	
settings	1	0.004 s	0.002 s	
Legend.Legend>Legend.set.BoxEdge_I	1	0.004 s	0.001 s	
validateVariableNameLength	3	0.004 s	0.001 s	
repmat	8	0.004 s	0.004 s	
...otationPane>AnnotationPane.doSetup	2	0.004 s	0.003 s	
...tabularDimension.checkDuplicateLabels	1	0.004 s	0.004 s	
strjust>strjustOnChar	1	0.004 s	0.003 s	
...Legend>Legend.set.TitleSeparator_I	1	0.004 s	0.001 s	
Legend.doMethod	2	0.004 s	0.001 s	
...s/private/encode_color>check_input	10	0.004 s	0.002 s	
remoteparfor>iTimeUnitSeconds	36	0.004 s	0.004 s	
gobjects	8	0.004 s	0.004 s	
...Manager>DataCursorManager.setState	1	0.004 s	0.001 s	
...nager>ScribeStackManager.findLayer	19	0.004 s	0.004 s	
view	1	0.004 s	0.001 s	
rmfield	1	0.004 s	0.004 s	
findToolBarModeButtonsById	1	0.004 s	0.004 s	
cvpartitionImpl>cvpartitionImpl.rerandom	1	0.003 s	0.001 s	
...RandStream>localGetSetGlobalStream	2	0.003 s	0.003 s	
...dStream>RandStream.setGlobalStream	1	0.003 s	0.001 s	
varNamesDim>varNamesDim.makeValidName	1	0.003 s	0.000 s	
varNamesDim>varNamesDim.dfltLabels	1	0.003 s	0.002 s	
...t;AxesLayoutManager.AxesLayoutManager	1	0.003 s	0.000 s	
makeUniqueStrings>truncateString	1	0.003 s	0.003 s	
FigureUtils>FigureUtils.safeGetAppData	8	0.003 s	0.001 s	
colorspaces/private/applycformsequence	4	0.003 s	0.001 s	
Pool.Pool>Pool.get.NumWorkers	3	0.003 s	0.002 s	
...end>Legend.setBoxEdge_IFanoutProps	1	0.003 s	0.002 s	
parallel/...e/dctSchedulerMessageHandler	9	0.003 s	0.003 s	
Legend.Legend>Legend.set.Location	1	0.003 s	0.000 s	
...Manager>AxesLayoutManager.set.Axes	1	0.003 s	0.001 s	
...>showHiddenHandlesToFindAllHandles	8	0.003 s	0.003 s	

...eObj.evtData)obj.cacheLoad(sourceObj)	1	0.003 s	0.000 s	
...onNotifier.createAccumulatingListener	3	0.003 s	0.001 s	
...er>@(h,e)localReparentCB(h,e,hObj)	1	0.003 s	0.000 s	
dctReplaceDriveWithUNCPath	13	0.003 s	0.002 s	
...Legend>Legend.set.AxesListenerList	4	0.003 s	0.002 s	
linspace	7	0.003 s	0.003 s	
...Legend.setTitleSeparator_IFanoutProps	1	0.003 s	0.002 s	
rowNamesDim>rowNamesDim.rowNamesDim	1	0.003 s	0.002 s	
...bularDimension.checkReservedNamesImpl	2	0.003 s	0.003 s	
...ePlugin>PostUpdatePlugin.cacheLoad	1	0.003 s	0.002 s	
Legend.doMethod>createDefaultContextMenu	1	0.003 s	0.003 s	
hasuimode	1	0.002 s	0.000 s	
interp1>reshapeAndSortXandV	6	0.002 s	0.002 s	
tabular DISP>getVarNamesDispLines	1	0.002 s	0.002 s	
...>UnifiedAxesInteractions.getCanvas	8	0.002 s	0.002 s	
stringToChar>@(x)convertToChar(x)	18	0.002 s	0.001 s	
remoteparfor>remoteparfor.delete	3	0.002 s	0.001 s	
Legend.Legend>Legend.set.BoxFace_I	1	0.002 s	0.001 s	
...ner.CartesianAxesInteractionContainer	1	0.002 s	0.001 s	
flipud	4	0.002 s	0.002 s	
makecform>parseWPIInput	4	0.002 s	0.001 s	
...ager.addAxesListeners/localReparentCB	1	0.002 s	0.002 s	
mustBeASCIICharRowVector	2	0.002 s	0.002 s	
...gt;AxesLayoutManager.addAxesListeners	1	0.002 s	0.002 s	
cvpartitionImpl>kfoldcv	1	0.002 s	0.002 s	
Pool.Pool>Pool.hGetIsUsable	9	0.002 s	0.002 s	
metaDim>metaDim.checkReservedNames	1	0.002 s	0.001 s	
iccread>read_text_description_type	4	0.002 s	0.002 s	
expandLegendChildren	1	0.002 s	0.002 s	
Legend.Legend>Legend.set.Location_I	1	0.002 s	0.000 s	
validatestring>checkInputs	36	0.002 s	0.002 s	
RandStream.RandStream>getargs	1	0.002 s	0.002 s	
iccread>isicccprof	1	0.002 s	0.002 s	

axescheck	1	0.002 s	0.001 s	
javachk	1	0.002 s	0.002 s	
tabular.disp>boldifyLabels	1	0.002 s	0.001 s	
FigureUtils>safeGetEditorAppData	8	0.002 s	0.002 s	
settings	1	0.002 s	0.001 s	
makecform>make_adapt_cform	1	0.002 s	0.001 s	
linkage>rearrange	1	0.002 s	0.002 s	
isenum	2	0.002 s	0.002 s	
iccread>read_curve_type	3	0.002 s	0.001 s	
parallel_function>results	3	0.002 s	0.002 s	
...nNotifier.createSerializationListener	3	0.002 s	0.001 s	
parfor_sliced_fcnhdl_check	12	0.002 s	0.002 s	
...Legend>Legend.get.AxesListenerList	8	0.002 s	0.001 s	
...nPane>AnnotationPane.setParentImpl	2	0.002 s	0.001 s	
...egend>Legend.set.SelectionHandle_I	1	0.002 s	0.001 s	
...al.incrementParallelFunctionDepth(-1)	3	0.002 s	0.001 s	
iccread>fseek_check	37	0.002 s	0.002 s	
...gt:FigureUtils.isEditorSnapshotFigure	8	0.002 s	0.002 s	
isPublishingTest	10	0.002 s	0.002 s	
deal	8	0.002 s	0.002 s	
...Dim>varNamesDim.checkReservedNames	1	0.002 s	0.000 s	
...end>Legend.setBoxFace_IFanoutProps	1	0.001 s	0.001 s	
view>ViewCore	1	0.001 s	0.001 s	
getParamVal	1	0.001 s	0.001 s	
...set(rootobj,'ShowHiddenHandles',Temp)	8	0.001 s	0.001 s	
allchild>getchildren	3	0.001 s	0.001 s	
incrementParallelFunctionDepth	6	0.001 s	0.001 s	
...char(x))&&strcmpi('parent',x)	1	0.001 s	0.001 s	
Legend.Legend>Legend.setLocationImpl	1	0.001 s	0.000 s	
...ionContainer.AxesInteractionContainer	1	0.001 s	0.000 s	
...nager>ScribeStackManager.hasLayers	3	0.001 s	0.001 s	
remoteparfor>remoteparfor.drainIntervals	3	0.001 s	0.001 s	
RandStream.RandStream>RandStream.algName	1	0.001 s	0.001 s	

table.table>table.table	1	0.001 s	0.000 s	
...ractions.createAndRegisterTextControl	4	0.001 s	0.001 s	
varNamesDim>varNamesDim.init	1	0.001 s	0.000 s	
...>PostUpdatePlugin.PostUpdatePlugin	1	0.001 s	0.001 s	
applycform>check_input_image_dimensions	10	0.001 s	0.001 s	
...Data>ChildEventData.ChildEventData	5	0.001 s	0.001 s	
makecform>make_xyz2lab_or_lab2xyz_cform	1	0.001 s	0.001 s	
...Legend>Legend.set.SelfListenerList	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.Position_l	1	0.001 s	0.000 s	
graph2d/private/labelcheck	4	0.001 s	0.001 s	
...ager>AxesLayoutManager.addToLayout	1	0.001 s	0.001 s	
newplot>ObserveAxesNextPlot	4	0.001 s	0.001 s	
interp1>sanitycheckmethod	6	0.001 s	0.001 s	
hgbehaviorfactory>localGetBehaviorInfo	2	0.001 s	0.001 s	
ndgrid	1	0.001 s	0.001 s	
...sarmableOncleanup.DisarmableOncleanup	6	0.001 s	0.001 s	
Legend.Legend>Legend.set.DataSpace_l	1	0.001 s	0.001 s	
stringToChar>convertToChar	18	0.001 s	0.001 s	
iccread>read_text_type	1	0.001 s	0.001 s	
...ractionContainer.InteractionContainer	1	0.001 s	0.001 s	
generateDisplayNames	1	0.001 s	0.001 s	
...Legend>Legend.set.EntryContainer_l	1	0.001 s	0.001 s	
iccread>istif	1	0.001 s	0.001 s	
...rc,event)hObj.childRemoved(src,event)	1	0.001 s	0.000 s	
cnv2icudf	1	0.001 s	0.001 s	
...d>Legend.set.PlotChildrenSpecified	1	0.001 s	0.001 s	
...d>Legend.set.LimitMaxLegendEntries	1	0.001 s	0.001 s	
view>isAxesHandle	1	0.001 s	0.001 s	
tabular DISP>nSpaces	5	0.001 s	0.001 s	
uimode.modeControl>localPrepareFigure	1	0.001 s	0.001 s	
makecform>assigncform	5	0.001 s	0.001 s	
plottedit	1	0.001 s	0.001 s	
Pool.Pool>Pool.get.Connected	6	0.001 s	0.000 s	

Legend.Legend>Legend.get.Axes	3	0.001 s	0.000 s	
getJavaFutureResult	3	0.001 s	0.001 s	
iccread>read_measurement_type	1	0.001 s	0.001 s	
tabular.tabular>tabular.tabular	1	0.001 s	0.001 s	
Legend.Legend>Legend.getPositionImpl	1	0.001 s	0.001 s	
numberedNames	1	0.001 s	0.001 s	
parfor_endpoint_check	6	0.001 s	0.001 s	
...dStream>RandStream.getGlobalStream	1	0.001 s	0.000 s	
remoteparfor>iErrorCheckPool	3	0.001 s	0.001 s	
uimodemanager.getMode	4	0.001 s	0.001 s	
Legend.Legend>Legend.set.ColorSpace_I	1	0.001 s	0.001 s	
Legend.Legend>Legend.set.CLim_I	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.Axes_I	4	0.001 s	0.001 s	
interp1>reshapeValuesV	6	0.001 s	0.001 s	
...ribeLayer>ScribeLayer.childRemoved	1	0.001 s	0.001 s	
ismember>ismemberBuiltinTypes	2	0.001 s	0.001 s	
...nd>Legend.set.AxesListenerListMode	4	0.001 s	0.001 s	
datenum>verifySizes	1	0.001 s	0.001 s	
...d>Legend.set.DecorationContainer_I	1	0.001 s	0.001 s	
...gend>Legend.get.AxesListenerList_I	12	0.001 s	0.001 s	
...vasPlugin>CanvasPlugin.getInstance	1	0.001 s	0.001 s	
trace	4	0.001 s	0.001 s	
Legend.Legend>Legend.set.EdgeColor_I	1	0.001 s	0.001 s	
tabular.size	2	0.001 s	0.001 s	
...rfor>remoteparfor.getDispatchSizes	3	0.001 s	0.000 s	
ispc	13	0.001 s	0.001 s	
tabular.disp>getStrOutput	1	0.001 s	0.001 s	
getSettingsRoot	1	0.001 s	0.001 s	
scribeclearmode	1	0.001 s	0.001 s	
mean	1	0.001 s	0.001 s	
...PositionHelper.getPixelPositionHelper	1	0.001 s	0.000 s	
Legend.Legend>Legend.get.BoxEdge	18	0.001 s	0.001 s	
flip	2	0.001 s	0.001 s	

...>SerializationNotifier.getInstance	3	0.001 s	0.001 s	
Legend.Legend>Legend.get.EdgeColor	4	0.001 s	0.000 s	
...r>DataCursorManager.set.ModeHandle	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.TitleSeparator	16	0.001 s	0.001 s	
...set(rootobj,'ShowHiddenHandles',Temp)	3	0.001 s	0.001 s	
...r>InteractionContainer.get.Enabled	8	0.001 s	0.001 s	
...er>AxesLayoutManager.setParentImpl	2	0.001 s	0.001 s	
iccread>read_viewing_conditions	1	0.001 s	0.000 s	
median	1	0.001 s	0.001 s	
hasbehavior	4	0.001 s	0.001 s	
...Factory>ToolbarFactory.getInstance	1	0.001 s	0.001 s	
...erruptibly>@()future.cancel(true)	3	0.001 s	0.001 s	
...Utils>FilenameUtils.isAbsolutePath	2	0.001 s	0.001 s	
...es>TableProperties.TableProperties	1	0.001 s	0.000 s	
Legend.setParentImpl	1	0.001 s	0.000 s	
...ScribeLayer>ScribeLayer.findCanvas	5	0.001 s	0.001 s	
Engine>Engine.Engine	3	0.001 s	0.001 s	
Legend.removeAllEntries	1	0.001 s	0.001 s	
fliplr	5	0.001 s	0.001 s	
datacursormode>localGetObj	2	0.001 s	0.001 s	
Legend.Legend>Legend.get.Camera	5	0.001 s	0.001 s	
hggetbehavior>localPeek	2	0.001 s	0.001 s	
...cleanup>DisarmableOncleanup.delete	6	0.001 s	0.001 s	
...end>Legend.get.DecorationContainer	6	0.001 s	0.001 s	
newplot>ObserveFigureNextPlot	4	0.001 s	0.001 s	
Legend.Legend>Legend.set.PositionMode	1	0.001 s	0.000 s	
...ger>ScribeStackManager.getInstance	1	0.001 s	0.001 s	
Capability>Capability.Current	1	0.001 s	0.001 s	
...cleanup>DisarmableOncleanup.disarm	6	0.001 s	0.001 s	
uitools/private/allchildRootHelper	3	0.001 s	0.001 s	
Legend.Legend>Legend.get.ColorSpace	5	0.001 s	0.001 s	
Legend.Legend>Legend.get.BoxFace	6	0.001 s	0.001 s	
usejava	4	0.001 s	0.001 s	

webGraphicsStateManager	4	0.001 s	0.001 s	
colorspaces/private/applychad	2	0.000 s	0.000 s	
...t;DataCursorManager.set.UIContextMenu	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.EdgeColor_I	5	0.000 s	0.000 s	
Legend.Legend>Legend.get.Box_I	5	0.000 s	0.000 s	
...>CustomProperties.CustomProperties	1	0.000 s	0.000 s	
Pool.Pool>Pool.hGetSession	6	0.000 s	0.000 s	
PostUpdatePlugin>isAxesToolbarExcluded	1	0.000 s	0.000 s	
...tationPane>AnnotationPane.addChild	2	0.000 s	0.000 s	
iccread>read_date_time_number	1	0.000 s	0.000 s	
tabular.disp>getFloatFormats	1	0.000 s	0.000 s	
...t;rowNamesDim.validateAndAssignLabels	1	0.000 s	0.000 s	
remoteparfor>remoteparfor.rangeDivided	3	0.000 s	0.000 s	
axis>iscartesian	1	0.000 s	0.000 s	
...ty(stringValue) ~ischar(stringValue)	30	0.000 s	0.000 s	
Legend.doPostSetup	1	0.000 s	0.000 s	
...;Legend.set.PlotChildrenSpecifiedMode	1	0.000 s	0.000 s	
iccread>read_xyz_number	4	0.000 s	0.000 s	
repmat>checkSizesType	8	0.000 s	0.000 s	
...check>integer_range_overflow_check	3	0.000 s	0.000 s	
...nd>Legend.set.SelfListenerListMode	1	0.000 s	0.000 s	
Legend.Legend>Legend.getGraphicsAxes	3	0.000 s	0.000 s	
isUIFigure	1	0.000 s	0.000 s	
...;Legend.set.LimitMaxLegendEntriesMode	1	0.000 s	0.000 s	
...actions>TextInteractions.getCanvas	4	0.000 s	0.000 s	
RandStream.RandStream>RandStream.delete	1	0.000 s	0.000 s	
Legend.Legend>Legend.set.LocationMode	1	0.000 s	0.000 s	
...ehavior>PlotEditBehavior.dosupport	1	0.000 s	0.000 s	
isplotyyaxes	2	0.000 s	0.000 s	
Engine>iClamp	12	0.000 s	0.000 s	
...ayoutManager>addInstancePropToAxes	1	0.000 s	0.000 s	
convertStringToCharArgs	4	0.000 s	0.000 s	
...ayoutManager>setInstancePropOnAxes	1	0.000 s	0.000 s	

...Legend>Legend.get.SelfListenerList	2	0.000 s	0.000 s	
...r>AxesLayoutManager.set.LayoutList	1	0.000 s	0.000 s	
...sion>tabularDimension.assignLabels	1	0.000 s	0.000 s	
num2str>cellPrintf	1	0.000 s	0.000 s	
parseArgs	1	0.000 s	0.000 s	
Legend.Legend>Legend.set.AxesMode	1	0.000 s	0.000 s	
tabular.isEmpty	1	0.000 s	0.000 s	
...queStrings>validateMaxStringLength	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.Location_I	1	0.000 s	0.000 s	
Legend.Legend>Legend.set.Camera_I	1	0.000 s	0.000 s	
uimode.setCallbackFcn	2	0.000 s	0.000 s	
isicc	1	0.000 s	0.000 s	
serializationProfiling	3	0.000 s	0.000 s	
...>PlotEditBehavior.PlotEditBehavior	1	0.000 s	0.000 s	
makecform>is_valid_mattrc	1	0.000 s	0.000 s	
...e>uimode.set.WindowButtonMotionFcn	1	0.000 s	0.000 s	
...tabular>tabular.validateVarHeights	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.Color	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.standalone	1	0.000 s	0.000 s	
mpower	3	0.000 s	0.000 s	
mustBeValidGraphicsObject	2	0.000 s	0.000 s	
GetPixelPositionHelper>getparent	1	0.000 s	0.000 s	
RandStream.rand	1	0.000 s	0.000 s	
legend>lcl_is2D	1	0.000 s	0.000 s	
uimode.uimode>uimode.set.KeyPressFcn	1	0.000 s	0.000 s	
isMatchingSize	1	0.000 s	0.000 s	
cell.ismember	1	0.000 s	0.000 s	
opttf	4	0.000 s	0.000 s	
...gend>Legend.set.AxesListenerList_I	4	0.000 s	0.000 s	
...gt;DataCursorManager.getTipFromCursor	1	0.000 s	0.000 s	
remoteparfor>remoteparfor.maxBacklog	3	0.000 s	0.000 s	
...t;TabularProperties.TabularProperties	1	0.000 s	0.000 s	
tabular.disp>vectorizedWrappedLength	2	0.000 s	0.000 s	

...Strings>validateExclStrOrElemToChk	1	0.000 s	0.000 s	
...t:DataCursorManager.get.UImageContextMenu	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.DataSpace	4	0.000 s	0.000 s	
PoolOptions>isValidMaxNumWorkers	3	0.000 s	0.000 s	
uimodemanager.registerMode	1	0.000 s	0.000 s	
close>getEmptyHandleList	1	0.000 s	0.000 s	
isText	1	0.000 s	0.000 s	
...(x,'matlab.graphics.primitive.Group')	4	0.000 s	0.000 s	
...gend>Legend.get.SelfListenerList_I	3	0.000 s	0.000 s	
Legend.Legend>Legend.get.LineWidth_I	4	0.000 s	0.000 s	
...iner>InteractionContainer.set.GObj	1	0.000 s	0.000 s	
...ate/labelcheck>local_validlabelobj	3	0.000 s	0.000 s	
Engine>Engine.numIntervalsFactor	3	0.000 s	0.000 s	
parfor_range_step_check	3	0.000 s	0.000 s	
...nd>Legend.get.AxesListenerListMode	4	0.000 s	0.000 s	
remoteparfor>remoteparfor.getNumWorkers	3	0.000 s	0.000 s	
...gt;remoteparfor.initialDispatchFactor	3	0.000 s	0.000 s	
Legend.Legend>Legend.get.EntryContainer	3	0.000 s	0.000 s	
...havior>PrintBehavior.PrintBehavior	1	0.000 s	0.000 s	
PrintBehavior>PrintBehavior.dosupport	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.SelectionHandle	3	0.000 s	0.000 s	
java.util.concurrent.FutureTask (Java method)	6	0.000 s	0.000 s	
...nager>DataCursorManager.set.Enable	1	0.000 s	0.000 s	
uimode.uimode>uimode.isLiveEditorFigure	1	0.000 s	0.000 s	
uimode.uimode>setMotionFcn	1	0.000 s	0.000 s	
colorspaces/private/get_public_tagnames	1	0.000 s	0.000 s	
...r.createAccumulatingListener/nGetList	3	0.000 s	0.000 s	
Legend.Legend>Legend.getAxesImpl	4	0.000 s	0.000 s	
ctorHelper	1	0.000 s	0.000 s	
Options>Options.Options	3	0.000 s	0.000 s	
...>tabularDimension.tabularDimension	3	0.000 s	0.000 s	
...n>localGetCanvasContainingAncestor	1	0.000 s	0.000 s	
...asPlugin>CanvasPlugin.CanvasPlugin	1	0.000 s	0.000 s	

target	1	0.000 s	0.000 s	
...ibeLayer>ScribeLayer.checkValidity	1	0.000 s	0.000 s	
Legend.doMethod>setButtonDownFcn	1	0.000 s	0.000 s	
hasDisplay	2	0.000 s	0.000 s	
Legend.Legend>Legend.get.Color_l	2	0.000 s	0.000 s	
colorspaces/private/get_device_classes	2	0.000 s	0.000 s	
...gt:Legend.get.LimitMaxLegendEntries_l	1	0.000 s	0.000 s	
tabular.disp>nUnder	2	0.000 s	0.000 s	
isFigureShowEnabled	2	0.000 s	0.000 s	
isStringScalar	1	0.000 s	0.000 s	
pwd	1	0.000 s	0.000 s	
metaDim>metaDim.orientAs	1	0.000 s	0.000 s	
axis>allAxes	1	0.000 s	0.000 s	
mustBeCharRowVector	2	0.000 s	0.000 s	
stringToLegacyText	3	0.000 s	0.000 s	
isCharString	2	0.000 s	0.000 s	
classificationCode>(parfor body)	1	0.000 s	0.000 s	
colorspaces/private/get_mattrc_tagnames	1	0.000 s	0.000 s	
...ip>PointDataTip.setMenuNotCopyable	1	0.000 s	0.000 s	
mean>mysize	1	0.000 s	0.000 s	
varNamesDim>varNamesDim.orientAs	1	0.000 s	0.000 s	
datestr>getdateform	1	0.000 s	0.000 s	
remoteparfor>iClamp	3	0.000 s	0.000 s	
isCharOrString	1	0.000 s	0.000 s	
java.io.File (Java method)	4	0.000 s	0.000 s	
JavaMigrationTools>@()warning(w)	1	0.000 s	0.000 s	
Legend.Legend>Legend.set.version	1	0.000 s	0.000 s	
...nd>Legend.get.SelfListenerListMode	1	0.000 s	0.000 s	
close>checkfigs	1	0.000 s	0.000 s	
...adCompatibility.saveLoadCompatibility	3	0.000 s	0.000 s	
uimode.uimode>uimode.uimode	1	0.000 s	0.000 s	
Legend.Legend>Legend.getLocationImpl	1	0.000 s	0.000 s	
...:Legend.get.PlotChildrenSpecifiedMode	1	0.000 s	0.000 s	

Legend.Legend>Legend.get.TextColor_I	1	0.000 s	0.000 s	
...gend>Legend.set.SelfListenerList_I	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.LocationMode	1	0.000 s	0.000 s	
close>request_close	1	0.000 s	0.000 s	
...;Legend.get.LimitMaxLegendEntriesMode	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.standalone_I	1	0.000 s	0.000 s	
legend>istextscalar	2	0.000 s	0.000 s	
Legend.Legend>Legend.get.PositionMode	1	0.000 s	0.000 s	
colorspaces/private/get_technologies	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.AxesMode	1	0.000 s	0.000 s	
colorspaces/private/get_colorspaces	1	0.000 s	0.000 s	
com.mathworks.mde.desk.MLDesktop (java method)	1	0.000 s	0.000 s	
...nTools>@()lastwarn(lastmsg,lastid)	1	0.000 s	0.000 s	
HGBehavior>HGBehavior.HGBehavior	2	0.000 s	0.000 s	
com.mathworks.hg.peer.HG2FigurePeer (java method)	1	0.000 s	0.000 s	
...er>AxesLayoutManager.getParentImpl	3	0.000 s	0.000 s	
...ScribeStackManager.ScribeStackManager	1	0.000 s	0.000 s	
...te>DataCursorState.DataCursorState	1	0.000 s	0.000 s	
...izationNotifier.SerializationNotifier	1	0.000 s	0.000 s	
...pl>cvpartitionImpl.cvpartitionImpl	1	0.000 s	0.000 s	
...egend.setSelectionHandle_IFanoutProps	1	0.000 s	0.000 s	
...gend>Legend.setCamera_IFanoutProps	1	0.000 s	0.000 s	
...Legend.setEntryContainer_IFanoutProps	1	0.000 s	0.000 s	
...d>Legend.setDataSpace_IFanoutProps	1	0.000 s	0.000 s	
...d.setDecorationContainer_IFanoutProps	1	0.000 s	0.000 s	
...>Legend.setColorSpace_IFanoutProps	1	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.