

Profile Summary (Total time: 324.492 s)

Generated 27-Nov-2025 11:45:09 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
optimization_analysis	2	323.704	19.483	
get_damper	1078	288.790	286.236	
getMechanicsMaps_2D	60	288.398	1.269	
timeit	3	177.357	0.086	
... >@()getMechanicsMaps_2D(N_augmented.M,E,nu,d_dX,d_dY,'full',1)	16	144.259	0.037	
... aps_2D(N_augmented.M,E,nu,d_dX,d_dY,'subsample',stride_default)	17	41.382	0.009	
timeit>roughEstimate	3	33.553	0.046	
timeit>numOutputs	3	9.173	0.004	
mech_matrix_build_2D	2	8.312	8.312	
stresses	1077	2.554	2.554	
functionHandleCallOverhead	3	1.674	0.023	
functionHandleCallOverhead>functionHandleTimeExperiment	202	0.999	0.657	
getProjectionMatrix	9	0.955	0.406	
functionHandleCallOverhead>emptyFunctionCallTime	6	0.645	0.004	
functionHandleCallOverhead>emptyFunctionTimeExperiment	101	0.640	0.531	
legend	2	0.596	0.007	
legend>make_legend	2	0.585	0.020	
buildStrainMat	1	0.571	0.571	
svds	9	0.549	0.030	
functionHandleCallOverhead>anonFunctionHandleCallTime	6	0.532	0.004	
functionHandleCallOverhead>simpleFunctionHandleCallTime	3	0.474	0.003	
LanczosBD	8	0.451	0.093	
close	3	0.431	0.015	
close>request_close	3	0.329	0.009	
LanczosBD>LanczosBDInner	16	0.317	0.129	
closereq	2	0.300	0.158	
functionHandleCallOverhead>emptyFunction	606009	0.296	0.296	
newplotwrapper	10	0.289	0.008	
newplot	10	0.281	0.087	
workspacefunc	7	0.267	0.082	
functionHandleCallOverhead>@()emptyFunction()	202003	0.253	0.155	
getDisplacementProjection_2D	1	0.226	0.002	
getStrainProjection_2D	1	0.218	0.002	
yyaxis	2	0.211	0.016	
Legend.Legend>Legend.Legend	4	0.201	0.023	
Legend.Legend>Legend.set.Axes	2	0.186	0.001	
Legend.Legend>Legend.set.Axes_I	2	0.185	0.001	
Legend.Legend>Legend.setAxesImpl	2	0.184	0.006	
CanvasPlugin.CanvasPlugin>CanvasPlugin.createCanvas	2	0.175	0.016	
legendcolorbarlayout	4	0.166	0.030	

augmentCellMaps_2D	2	0.162	0.062	
clearAndSetBreakpointsForFile	1	0.159	0.113	
legend>process_inputs	2	0.153	0.027	
grad_matrix	2	0.145	0.145	
LanczosBD>orthAgainstRobust	416	0.130	0.105	
Legend.doSetup	4	0.130	0.042	
getFileInfoForToolbar	2	0.130	0.032	
yyaxis>firstTimeSetup	1	0.125	0.047	
workspacefunc>getShortValueObjectJ	30	0.114	0.041	
addpath	2	0.110	0.011	
getSystemObjectInfo	1	0.107	0.002	
getSystemObjectInfo	1	0.105	0.004	
isSystemObjectFile	1	0.101	0.002	
imgaussfilt	4	0.099	0.003	
isSystemObjectCode	1	0.099	0.002	
CanvasSetup>CanvasSetup.createScribeLayers	2	0.098	0.012	
fileparts	3	0.098	0.055	
isSystemObjectCode>plsSystemObjectCode	1	0.097	0.007	
path	2	0.096	0.068	
...ayoutManager.AxesLayoutManager>AxesLayoutManager.getManager	4	0.096	0.022	
ismember	18	0.091	0.019	
categorical.categorical>categorical.categorical	5	0.091	0.037	
setdiff	5	0.089	0.009	
hggetbehavior	11	0.088	0.006	
...ibeStackManager.ScribeStackManager>ScribeStackManager.getLayer	8	0.087	0.015	
close>safegetchildren	3	0.085	0.015	
hggetbehavior>localGet	11	0.082	0.020	
genpath	156	0.081	0.052	
setdiff>setdiffR2012a	5	0.080	0.014	
getStressProjection_2D	1	0.077	0.003	
CategoricalRuler>CategoricalRuler.makeNonNumeric	4	0.075	0.002	
ismember>ismemberR2012a	18	0.071	0.034	
...tackManager.ScribeStackManager>ScribeStackManager.createLayer	6	0.069	0.032	
imgaussfilt>spatialGaussianFilter	4	0.064	0.006	
svds>@(x,transflag)AfunL(A,x,transflag)	416	0.064	0.007	
...tManager.AxesLayoutManager>AxesLayoutManager.insertAboveAxes	2	0.064	0.015	
configureAxes	4	0.064	0.004	
workspacefunc>num2complex	28	0.060	0.020	
executeCallback	5	0.059	0.025	
svds>AfunL	416	0.058	0.058	
hgbehaviorfactory	11	0.056	0.003	
ToolbarFactory>ToolbarFactory.getToolbar	2	0.056	0.036	
legend>find_legend	3	0.056	0.054	
hgbehaviorfactory>localCreate	11	0.053	0.029	
mtree.mtfnd	1	0.053	0.005	

unique	13	0.053	0.028	
buildBoundaries_2D	2	0.051	0.051	
imfilter	4	0.049	0.003	
mtree.restrict	1	0.048	0.023	
allchild	5	0.044	0.039	
configureRuler	4	0.043	0.013	
YYAxisEventManager>YYAxisEventManager.registerAxes	3	0.040	0.003	
YYAxisEventManager>@()hThis.doneWith(ax)	2	0.039	0.001	
YYAxisEventManager>@(~,~)handleReparent(ax)	2	0.038	0.000	
YYAxisEventManager>YYAxisEventManager.doneWith	2	0.038	0.003	
YYAxisEventManager>handleReparent	2	0.038	0.005	
..._LayoutManager.AxesLayoutManager>AxesLayoutManager.addToTree	2	0.038	0.006	
legend>getLegendableChildren	2	0.036	0.002	
newplot>ObserveAxesNextPlot	10	0.036	0.018	
RandStream.randn	337	0.036	0.036	
ToolbarController.ToolbarController>@(e,d)obj.delete()	2	0.035	0.002	
YYAxisEventManager>YYAxisEventManager.YYAxisEventManager	2	0.035	0.001	
getLegendableChildren	2	0.034	0.006	
YYAxisEventManager>YYAxisEventManager.addAxes	2	0.033	0.013	
ToolbarController.ToolbarController>ToolbarController.delete	2	0.032	0.009	
fullfile	156	0.032	0.026	
ParseTreeUtils>ParseTreeUtils.getTree	1	0.032	0.003	
workspacefunc>getWhosInformation	5	0.032	0.022	
workspacefunc>getAbstractValueSummaryJ	22	0.031	0.025	
..._youtManager.AxesLayoutManager>@(h,e)localReparentCB(h,e,hObj)	2	0.029	0.001	
ScribeLayer.ScribeLayer>ScribeLayer.ScribeLayer	6	0.029	0.012	
RandStream.RandStream>RandStream.RandStream	9	0.029	0.018	
mtree.mtree>mtree.mtree	1	0.028	0.017	
tictocCallTime	3	0.028	0.002	
..._outManager>AxesLayoutManager.addAxesListeners/localReparentCB	2	0.028	0.003	
fileparts>unixExecution	3	0.027	0.027	
InteractionContainer>InteractionContainer.InteractionContainer	9	0.027	0.012	
..._reduced(Vu_gradXY_V.Ve_gradXYY_Vu.Vs_SMAT_Ve.N0_r.M_r.V_s)	17	0.026	0.004	
tictocCallTime>tictocTimeExperiment	11	0.026	0.026	
mtree.pathit	1	0.025	0.012	
unique>uniqueR2012a	13	0.025	0.025	
AxesToolbar.AxesToolbar>@(e,d)obj.handleDeletedAxes(e,d)	2	0.024	0.002	
clearAndSetBreakpointsForFile>quietlyClearBreakpoints	1	0.023	0.007	
ismember>ismemberClassTypes	11	0.022	0.013	
AxesToolbar.AxesToolbar>AxesToolbar.handleDeletedAxes	2	0.022	0.017	
imfilter>parse_inputs	4	0.022	0.009	
blkdiag	8	0.022	0.008	
get_damper_reduced	17	0.022	0.020	
ylabel	3	0.021	0.008	
DataTipsBase>@(e,d)hObj.delete()	4	0.021	0.004	

Legend.Legend>Legend.setLocation	4	0.021	0.001	
getExtendedErrorCallback	1	0.021	0.004	
gobjects	56	0.021	0.021	
Legend.attachAxesListeners	2	0.021	0.008	
... roller/DesktopToolbarController>DesktopToolbarController.getInstance	2	0.020	0.001	
timer.timer>timer.delete	3	0.020	0.004	
... artesianAxesInteractionContainer.CartesianAxesInteractionContainer	2	0.020	0.000	
grid	2	0.020	0.013	
... StandardAxesInteractionContainer.StandardAxesInteractionContainer	2	0.020	0.000	
close>request_close_helper	4	0.019	0.011	
... ToolbarController>DesktopToolbarController.DesktopToolbarController	2	0.019	0.008	
... ntainer>BaseAxesInteractionContainer.BaseAxesInteractionContainer	2	0.019	0.001	
imfilter>filterDouble2DWithConv	4	0.019	0.009	
union	2	0.019	0.001	
hold	3	0.018	0.010	
svds>fullSVD	1	0.018	0.018	
hgbehaviorfactory>localGetBehaviorInfo	11	0.018	0.018	
 xlabel	2	0.018	0.014	
union>unionR2012a	2	0.018	0.008	
Legend.Legend>Legend.setLocation_I	4	0.018	0.001	
imgaussfilt>chooseFilterImplementation	4	0.018	0.001	
... iedAxesInteractions>UnifiedAxesInteractions.createDefaultInteractions	2	0.017	0.009	
Legend.doMethod	8	0.017	0.005	
makeNumeric	4	0.017	0.002	
ismember>ismemberBuiltinTypes	8	0.017	0.017	
svds>checkInputs	9	0.016	0.007	
+editor/private/doSetBreakpoint	1	0.016	0.015	
now	7	0.016	0.006	
yyaxis>deleteallpins	1	0.016	0.003	
categorical.reordercats	1	0.016	0.010	
Legend.Legend>Legend.setLocationImpl	4	0.016	0.003	
mltimerpackage	3	0.016	0.005	
general/private/parsedirs	4	0.016	0.016	
Legend.doSetup>@(h,e)hObj.delete	4	0.015	0.002	
DataTipsBase>DataTipsBase.delete	4	0.015	0.006	
getDocAnchorForErrorID	1	0.015	0.014	
configureAxes>checkChildren	4	0.015	0.001	
ScribeLayer.ScribeLayer>@(src.event)hObj.childAdded(src.event)	4	0.014	0.002	
objArrayDispatch	12	0.014	0.010	
cla	2	0.014	0.004	
median	6	0.014	0.014	
imgaussfilt>usePPL	4	0.014	0.003	
CategoricalRuler>CategoricalRuler.addData	4	0.014	0.001	
findall	1	0.014	0.008	
configureAxes>checkDim	8	0.014	0.007	

Legend.setupBoxEdge	4	0.014	0.011	
Legend.doDelete	4	0.013	0.006	
validatestring	13	0.013	0.006	
getSetWeakSubscriptions	5	0.013	0.013	
...Document.RtcEditorDocument>@(varargin)obj.notifyEvent(varargin{:})	2	0.013	0.003	
@mtree/private/collect_qualifiers	1	0.013	0.011	
CategoricalRuler>CategoricalRuler.mergeDataCategories	4	0.013	0.007	
...outManager.AxesLayoutManager>AxesLayoutManager.ValidateObject	2	0.013	0.002	
InteractionContainer>InteractionContainer.set.InteractionsArrayMode	9	0.013	0.004	
ScribeLayer.ScribeLayer>ScribeLayer.childAdded	4	0.013	0.011	
islegendable	2	0.012	0.010	
@categorical/private/checkCategoryNames	6	0.012	0.011	
strcat	2	0.012	0.011	
clearAndSetBreakpointsForFile>quietlySetBreakpoints	1	0.012	0.005	
Legend.Legend>Legend.set.BoxEdge_I	4	0.012	0.002	
AnnotationPane.AnnotationPane>AnnotationPane.AnnotationPane	4	0.012	0.002	
workspacefunc>getCleanupHandler	5	0.011	0.011	
mltimerpackage>remove	3	0.011	0.004	
fileparts>getExtension	3	0.011	0.011	
Legend.doMethod>createDefaultContextMenu	4	0.011	0.011	
ToolbarController.ToolbarController>@(e,d)obj.handleFigureDelete(e)	2	0.011	0.001	
datenum	7	0.010	0.010	
stringToChar	9	0.010	0.004	
datatipinfo	1	0.010	0.009	
padarray_algo	4	0.010	0.005	
RtcEditorDocument.RtcEditorDocument>RtcEditorDocument.notifyEvent	2	0.010	0.004	
...teractionContainer>TextInteractionContainer.TextInteractionContainer	7	0.010	0.002	
ylim	2	0.010	0.005	
AnnotationPane.AnnotationPane>AnnotationPane.doSetup	4	0.010	0.008	
Legend.Legend>Legend.get.Axes	14	0.010	0.003	
...ayoutManager.AxesLayoutManager>AxesLayoutManager.findMethod	8	0.010	0.010	
.olbarController.ToolbarController>ToolbarController.handleFigureDelete	2	0.010	0.007	
...beStackManager.ScribeStackManager>ScribeStackManager.findLayer	38	0.009	0.009	
Legend.Legend>Legend.setBoxEdge_IFanoutProps	4	0.009	0.007	
com.mathworks.mlwidgets.workspace.WhosInformation (Java method)	2	0.009	0.009	
getRulersForChild	8	0.009	0.007	
usePPLibrary	4	0.009	0.001	
Legend.Legend>Legend.set.AxesListenerList	8	0.009	0.006	
clearAndSetBreakpointsForFile	1	0.009	0.006	
...nager.AxesLayoutManager>AxesLayoutManager.AxesLayoutManager	2	0.009	0.001	
createGaussianKernel	4	0.009	0.006	
workspacefunc>localsString	30	0.009	0.009	
...tainer>CartesianAxesInteractionContainer.getDefaultInteractionsArray	2	0.008	0.007	
ismissing	4	0.008	0.007	
Linger>Linger.delete	2	0.008	0.004	

RandStream.RandStream>getargs	9	0.008	0.008	
iptgetpref	1	0.008	0.005	
parseArgs	5	0.008	0.008	
graphics/private/clo	2	0.008	0.007	
...ks.mlwidgets.workspace.MatlabWorkspaceListener.swl (Java method)	10	0.008	0.008	
timer.eq	3	0.008	0.008	
Legend.Legend>Legend.set.TitleSeparator_I	4	0.007	0.002	
makeNumeric>numericDim	4	0.007	0.001	
mean	11	0.007	0.006	
ToolbarController.ToolbarController>ToolbarController.ToolbarController	2	0.007	0.007	
Legend.Legend>Legend.get.Axes_I	16	0.007	0.005	
cell.unique	5	0.007	0.006	
EditorUtils.javaCollectionToArray	1	0.007	0.007	
...ableLegend>AbstractExpandableLegend.AbstractExpandableLegend	4	0.007	0.002	
Document.Document>@(varargin)obj.notifyEvent(varargin{:})	2	0.007	0.005	
imgaussfilt>parselInputs	4	0.007	0.005	
mtree.wholetree	1	0.007	0.007	
getChildrenForRuler	4	0.006	0.006	
CategoricalRuler>CategoricalRuler.makeNumeric	4	0.006	0.002	
markFigure	9	0.006	0.006	
Legend.Legend>Legend.set.BoxFace_I	4	0.006	0.002	
categorical.size	8	0.006	0.006	
stringToChar>@(x)convertToChar(x)	28	0.006	0.004	
title	2	0.006	0.002	
getPaddingIndices	4	0.006	0.000	
EditorViewBreakpointStore>@(varargin)obj.handleSetData(varargin{:})	3	0.006	0.001	
Legend.Legend>Legend.setTitleSeparator_IFanoutProps	4	0.006	0.004	
workspacefunc>createComplexScalar	4	0.006	0.004	
updateLegendMenuToolbar	4	0.005	0.005	
getPaddingIndices>ReplicatePad	4	0.005	0.005	
validatestring>checkString	13	0.005	0.005	
blkdiag>checkAllAreMatrices	8	0.005	0.005	
AbstractChartIllustration.setParentImpl	2	0.005	0.001	
fileparts>returnCharOrString	3	0.005	0.005	
...mathworks.mlwidgets.workspace.MatlabWorkspaceListener.swl(sw)	5	0.005	0.004	
workspacefunc>getclass	22	0.005	0.005	
rulerFunctions	2	0.005	0.002	
mtree.mtree>validateInput	1	0.005	0.005	
AxesToolbar.AxesToolbar>AxesToolbar.delete	2	0.005	0.003	
getSourceBreakpoints	1	0.005	0.004	
ParseTreeUtils>ParseTreeUtils.isTreeError	1	0.005	0.003	
blkdiag>getIndexVectors	8	0.004	0.004	
workspacefunc>localsDistributedType	54	0.004	0.004	
...er.ScribeLayer>@(src,event)hObj.childRemovedOrDeleted(src,event)	4	0.004	0.001	
expandLegendChildren	2	0.004	0.004	

...tions>UnifiedAxesInteractions.queueCreateDefaultInteractionsOnAxes	2	0.004	0.001	
categorical.removecats	1	0.004	0.004	
workspacefunc>createComplexVector	2	0.004	0.002	
cell.ismember	5	0.004	0.004	
EditorViewBreakpointStore>EditorViewBreakpointStore.handleSetData	3	0.004	0.002	
flipud	4	0.004	0.001	
...>OuterPositionChangedEventMixin.OuterPositionChangedEventMixin	2	0.004	0.004	
getSettingsRoot	7	0.004	0.004	
fullfile>ensure_TrailingFilesep	156	0.004	0.002	
PostUpdatePlugin>PostUpdatePlugin.PostUpdatePlugin	2	0.004	0.003	
categorical.double	4	0.004	0.004	
timer.stop	3	0.004	0.004	
AnnotationPane.AnnotationPane>AnnotationPane.getParentImpl	22	0.004	0.004	
YYAxisEventManager>YYAxisEventManager.installReparentWatcher	3	0.004	0.004	
PointerMixin>PointerMixin.setPointerStrategy	2	0.004	0.004	
...tractChartIllustration>AbstractChartIllustration.AbstractChartIllustration	4	0.004	0.003	
Legend.Legend>Legend.get_AxesListenerList	16	0.004	0.002	
AnnotationPane.AnnotationPane>AnnotationPane.setParentImpl	4	0.004	0.003	
Legend.Legend>Legend.setBoxFace_IFanoutProps	4	0.004	0.003	
.nifiedAxesInteractions>UnifiedAxesInteractions.queuedAxesOperations	3	0.004	0.004	
codetools/private/dataviewerhelper	6	0.004	0.003	
Linger>Linger.disable	2	0.004	0.003	
...esLayoutManager.AxesLayoutManager>AxesLayoutManager.set_Axes	2	0.003	0.001	
...)matlab.graphics.illustration.internal.updateLegendMenuToolbar(h.e.[])	2	0.003	0.001	
hggetbehavior>localPeek	11	0.003	0.003	
Legend.Legend>Legend.set_SelectionHandle_I	4	0.003	0.003	
ScribeLayer.ScribeLayer>ScribeLayer.childRemovedOrDeleted	4	0.003	0.003	
pathsep	162	0.003	0.003	
graph2d/private/labelcheck	7	0.003	0.003	
AnnotationPane.AnnotationPane>AnnotationPane doGetChildren	10	0.003	0.003	
svds>getOptions	9	0.003	0.003	
flip	4	0.003	0.002	
clearAndSetBreakpointsForFile>quietlyClearBreakpoints	1	0.003	0.003	
... anager.AxesLayoutManager>AxesLayoutManager.addAxesListeners	2	0.003	0.003	
notifyUI	1	0.003	0.000	
AxesToolbar.AxesToolbar>AxesToolbar.getParentImpl	6	0.003	0.003	
RandStream.reset	9	0.003	0.003	
newplot>ObserveFigureNextPlot	10	0.003	0.003	
ctorHelper	13	0.003	0.003	
general/private/catdirs	2	0.003	0.003	
ScribeLayer.ScribeLayer>ScribeLayer.delete	6	0.003	0.003	
...youtManager.AxesLayoutManager>AxesLayoutManager.addToLayout	4	0.003	0.002	
...actions>UnifiedAxesInteractions.createInteractionsForTitlesAndLabels	2	0.003	0.000	
CategoricalRuler>CategoricalRuler.roundNumeric	4	0.003	0.003	
LanczosBD>isFloatDouble	16	0.003	0.003	

legend>setOutArgs	1	0.003	0.001	
..._StackManager.ScribeStackManager>ScribeStackManager.hasLayers	6	0.003	0.002	
svds>getSizeA	9	0.003	0.002	
imgaussfilt>useSeparableFiltering	4	0.003	0.002	
fullfile>refinePath	156	0.003	0.003	
+editor/private/checkCollection	1	0.002	0.002	
Legend.Legend>Legend.getAxesImpl	16	0.002	0.002	
pwd	4	0.002	0.002	
meshgrid	4	0.002	0.002	
stringToChar>convertToChar	28	0.002	0.002	
axescheck	3	0.002	0.001	
fullfile>addTrailingFileSep	156	0.002	0.002	
validatestring>checkInputs	13	0.002	0.002	
...ractions>UnifiedAxesInteractions.createCartesianAxesTextInteractions	2	0.002	0.002	
RandStream.RandStream>RandStream.algName	9	0.002	0.002	
Legend.Legend>Legend.set.LocationMode	4	0.002	0.002	
allchild>getchildren	5	0.002	0.002	
close>checkfigs	5	0.002	0.002	
...rViewBreakpointStore>EditorViewBreakpointStore.addBreakpointData	3	0.002	0.002	
hasbehavior	10	0.002	0.002	
ScribeLayer.ScribeLayer>@(src.event)hObj.childRemoved(src.event)	2	0.002	0.000	
nextstyle	2	0.002	0.002	
Legend.Legend>Legend.set.AxesListenerListMode	8	0.002	0.002	
mustBeValidGraphicsObject	10	0.002	0.002	
uimodemanager.uimodemanager>@(obj,evd)(localDelete(hThis))	2	0.002	0.001	
Legend.Legend>Legend.set.LimitMaxLegendEntries	2	0.002	0.002	
graphics/private/claNotify	2	0.002	0.002	
Legend.Legend>Legend.get.SelfListenerList	8	0.002	0.001	
PrintBehavior>PrintBehavior.PrintBehavior	5	0.002	0.002	
missing>missing,missing	1	0.002	0.002	
ChildEventData>ChildEventData.ChildEventData	6	0.002	0.002	
Legend.removeAllEntries	2	0.002	0.002	
ScribeLayer.ScribeLayer>ScribeLayer.childRemoved	2	0.002	0.001	
blkdiag>hasSparse	8	0.002	0.002	
KeyListener>KeyListener.delete	6	0.002	0.001	
@mtree/private/collect_qualifiers>is_qual	1	0.002	0.002	
RandStream.RandStream>RandStream.delete	9	0.002	0.002	
settings	1	0.002	0.001	
blkdiag>hasSameClass	8	0.002	0.002	
legend>istextscalar	14	0.002	0.002	
PlotEditBehavior.PlotEditBehavior>PlotEditBehavior.PlotEditBehavior	4	0.002	0.001	
AxesToolbar.AxesToolbar>AxesToolbar.deleteListeners	2	0.002	0.002	
Legend.Legend>Legend.set.Box	1	0.002	0.000	
...sInteractionSet>DefaultAxesInteractionSet.DefaultAxesInteractionSet	2	0.002	0.002	
Legend.Legend>Legend.set.DataSpace_I	4	0.002	0.002	

Legend.Legend>Legend.set.SelfListenerList	4	0.002	0.001	
close>getEmptyHandleList	5	0.002	0.002	
categorical.parenReference	4	0.002	0.002	
legend>setDisplayNames	2	0.002	0.002	
getSetStrongSubscriptions	5	0.002	0.002	
Legend.Legend>Legend.set.PlotChildrenSpecified	3	0.002	0.001	
CategoricalRuler>CategoricalRuler.CategoricalRuler	1	0.002	0.001	
CanvasPlugin.CanvasPlugin>CanvasPlugin.getInstance	2	0.002	0.002	
legend>find_legend_info	1	0.002	0.000	
configureAxes>doesClassHaveDedicatedRuler	8	0.002	0.002	
ismissingKernel	4	0.002	0.001	
ToolbarFactory>ToolbarFactory.getInstance	2	0.002	0.002	
Legend.Legend>Legend.getGraphicsAxes	5	0.002	0.002	
gsqrt	17	0.002	0.002	
HGBehavior>HGBehavior.HGBehavior	11	0.002	0.002	
Legend.Legend>Legend.get.AxesListenerList_I	24	0.002	0.002	
Legend.Legend>Legend.set.ColorSpace_I	4	0.002	0.001	
optimization_analysis>@(s)sprintf('s=%d',s)	5	0.002	0.002	
ScribeLayer.ScribeLayer>ScribeLayer.findCanvas	10	0.002	0.002	
Legend.Legend>Legend.set.CLim_I	4	0.002	0.001	
num2str	1	0.002	0.001	
imfilter>computeSizes	4	0.001	0.001	
AxesLayoutManager.AxesLayoutManager>@(~)(hObj.MarkDirty('all'))	4	0.001	0.001	
Rotate3dBehavior>Rotate3dBehavior.Rotate3dBehavior	1	0.001	0.001	
Legend.Legend>Legend.set.EntryContainer_I	4	0.001	0.001	
allchild>@()set(rootobj,'ShowHiddenHandles',Temp)	5	0.001	0.001	
Legend.Legend>Legend.get.Position_I	2	0.001	0.000	
axescheck>@(x)(isStringScalar(x) ischar(x))&&strcmpi('parent',x)	3	0.001	0.001	
Document.Document>Document.notifyEvent	2	0.001	0.001	
flip	4	0.001	0.001	
categorical.categorical>isNVPair	8	0.001	0.001	
gcbf	4	0.001	0.001	
uimodemanager.uimodemanager>localDelete	2	0.001	0.001	
imgaussfilt>computeFilterSizeFromSigma	4	0.001	0.001	
partialMatchString	4	0.001	0.001	
ProfileViewerService>ProfileViewerService.notifyProfilerStart	1	0.001	0.001	
categorical.categorical>categorical.castCodes	6	0.001	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.addChild	4	0.001	0.001	
uitools/private/allchildRootHelper	5	0.001	0.001	
Legend.Legend>Legend.set.Box_I	1	0.001	0.001	
cellstr	9	0.001	0.001	
Legend.Legend>Legend.get.Box_I	21	0.001	0.001	
settings	1	0.001	0.001	
...r.AxesLayoutManager>@(obj,evd)(localDestroyLayoutManager(hObj))	2	0.001	0.001	
Legend.Legend>Legend.get.TitleSeparator	63	0.001	0.001	

images/private/isImageIPPFilterType	4	0.001	0.001	
legend>lcl_is2D	2	0.001	0.001	
Legend.Legend>Legend.set.DecorationContainer_I	4	0.001	0.001	
KeyListener>KeyListener.disable	6	0.001	0.001	
convertStringToCharArgs	7	0.001	0.001	
+editor/private/unmapFile	1	0.001	0.001	
DataTipUtilities>DataTipUtilities.getStructOrClassName	1	0.001	0.001	
Legend.Legend>Legend.get.BoxEdge	71	0.001	0.001	
mtree.count	1	0.001	0.001	
Legend.Legend>Legend.getPositionImpl	2	0.001	0.001	
mean>mysize	11	0.001	0.001	
close>@().set(0,'ShowHiddenHandles',oldUDDShowHiddenHandles)	2	0.001	0.001	
isCharOrString	6	0.001	0.001	
Legend.doMethod>@(h,e)delete(uic)	4	0.001	0.001	
Legend.Legend>Legend.get.SelectionHandle	12	0.001	0.001	
categorical.isempty	12	0.001	0.001	
ProfileViewerService>ProfileViewerService.getInstance	1	0.001	0.001	
LanczosBD>@().warning(W)	8	0.001	0.001	
PrintBehavior>PrintBehavior.dosupport	5	0.001	0.001	
svds>isPosInt	9	0.001	0.001	
Legend.attachAxesListeners>safeMarkDirty	2	0.001	0.001	
Legend.Legend>Legend.get.EdgeColor	8	0.001	0.001	
Legend.Legend>Legend.get.Camera	18	0.001	0.001	
Legend.Legend>Legend.set.EdgeColor_I	2	0.001	0.001	
svds>isFloatDouble	9	0.001	0.001	
Legend.Legend>Legend.get.Location_I	4	0.001	0.001	
Legend.Legend>Legend.get.DecorationContainer	24	0.001	0.001	
..taDescriptorBehavior>DataDescriptorBehavior.DataDescriptorBehavior	1	0.001	0.001	
isPublishingTest	6	0.001	0.001	
images/private/isImageTooBigForIPPFilter	4	0.001	0.001	
Linger>Linger.stopTimer	2	0.001	0.001	
categorical.categories	9	0.001	0.001	
Legend.Legend>Legend.get.DataSpace	16	0.001	0.001	
convertDBStatusToBreakpointInfo	1	0.001	0.001	
yyaxis>setupTarget	2	0.001	0.001	
Legend.Legend>Legend.get.LineWidth_I	16	0.001	0.001	
validateLogical	10	0.001	0.001	
Legend.Legend>Legend.get.BoxFace	25	0.001	0.001	
ismissingKernel>arraySwitch	4	0.001	0.001	
..._ayoutManager.AxesLayoutManager>@(.obj,evd)(hObj.MarkDirty('all'))	2	0.001	0.001	
isCharString	6	0.001	0.001	
Legend.Legend>Legend.get.SelfListenerList_I	12	0.001	0.001	
Legend.Legend>Legend.set.Camera_I	4	0.001	0.001	
svds>getSigma	9	0.001	0.001	
Legend.Legend>Legend.set.AxesListenerList_I	8	0.001	0.001	

blanks	2	0.001	0.001	
...outManager.AxesLayoutManager>AxesLayoutManager.setParentImpl	4	0.001	0.001	
expandLegendChildren>@(x)isa(x,'matlab.graphics.primitive.Group')	10	0.001	0.001	
Legend.Legend>Legend.get_EntryContainer	10	0.001	0.001	
Legend.Legend>Legend.get_EdgeColor_I	18	0.001	0.001	
Legend.Legend>Legend.get_LocationMode	8	0.001	0.001	
codetools/private/dataviewerhelper>upconvertIntegralType	6	0.001	0.001	
Legend.Legend>Legend.set_SelfListenerListMode	4	0.001	0.001	
...ics.illustration.Legend') isa(obj,'matlab.graphics.illustration.ColorBar')	173	0.001	0.001	
PlotEditBehavior.PlotEditBehavior>PlotEditBehavior.dosupport	4	0.001	0.001	
Legend.Legend>Legend.get_Color_I	6	0.001	0.001	
ControlManager>ControlManager.sendPVPairsToControl	2	0.001	0.001	
Legend.Legend>Legend.get_ColorSpace	20	0.001	0.001	
images/private/getSeparableFilterThreshold	8	0.001	0.001	
...outManager.AxesLayoutManager>AxesLayoutManager.setLayoutList	4	0.001	0.001	
...s.spreadsheet.data.ValueSummaryFactory.getInstance (Java method)	22	0.001	0.001	
imfilter>isSeparable	4	0.001	0.001	
...taskManager.ScribeStackManager>ScribeStackManager.getInstance	2	0.001	0.001	
categorical.categorical>categorical.isordinal	7	0.001	0.001	
legend>get_legend_properties	2	0.001	0.001	
missing>missing.missing	2	0.001	0.001	
mtreeisempty	1	0.001	0.001	
path>isValidInput	4	0.001	0.001	
YYAxisEventManager>YYAxisEventManager.removeManager	2	0.001	0.001	
Legend.doPostSetup	2	0.001	0.000	
datatipinfo>@()format(origFormat)	1	0.001	0.001	
Legend.Legend>Legend.get_AxesListenerListMode	8	0.001	0.001	
Legend.Legend>Legend.set_PositionMode	4	0.000	0.000	
UnifiedAxesInteractions>UnifiedAxesInteractions.getCanvas	2	0.000	0.000	
usejava	2	0.000	0.000	
Legend.Legend>Legend.set_FontSize	1	0.000	0.000	
DataTipProvider>DataTipProvider.get	4	0.000	0.000	
isMatchingSize	2	0.000	0.000	
PointerMixin>PointerMixin.delete	2	0.000	0.000	
FigureUtils>FigureUtils.isEditorSnapshotFigure	2	0.000	0.000	
+editor/private/checkFilename	2	0.000	0.000	
imgaussfilt>validateSigma	4	0.000	0.000	
AxesLayoutManager.AxesLayoutManager>addInstancePropToAxes	2	0.000	0.000	
Legend.Legend>Legend.set_PlotChildrenSpecifiedMode	3	0.000	0.000	
Legend.doMethod>setButtonDownFcn	4	0.000	0.000	
...r>AxesLayoutManager.addAxesListeners/localDestroyLayoutManager	2	0.000	0.000	
Legend.Legend>Legend.set_LimitMaxLegendEntriesMode	2	0.000	0.000	
...a>OuterPositionChangedEventData.OuterPositionChangedEventData	3	0.000	0.000	
images/private/chooseFilterDomain	4	0.000	0.000	
AxesLayoutManager.AxesLayoutManager>setInstancePropOnAxes	2	0.000	0.000	

..._ModeStrategy>FigureBasedModeStrategy.FigureBasedModeStrategy	2	0.000	0.000	
AxesToolbar.AxesToolbar>AxesToolbar.setParentImpl	4	0.000	0.000	
InteractionOptions>InteractionOptions.InteractionOptions	2	0.000	0.000	
legend>validateLegendable	1	0.000	0.000	
istabular	5	0.000	0.000	
findall>showHiddenHandlesToFindAllHandles	1	0.000	0.000	
..._InteractionContainer>BaseAxesInteractionContainer.set.CurrentMode	1	0.000	0.000	
isplotyyaxes	4	0.000	0.000	
...odeStrategy>FigurePointerModeStrategy.FigurePointerModeStrategy	2	0.000	0.000	
ProfileViewerService>ProfileViewerService.swapProfilerImplsIfChanged	1	0.000	0.000	
Legend.Legend>Legend.get.standalone	2	0.000	0.000	
Legend.Legend>Legend.set.AxesMode	2	0.000	0.000	
legend>istextscalarvector	4	0.000	0.000	
rulerFunctions>parseFunctionName	2	0.000	0.000	
Legend.Legend>Legend.setPlotChildrenSpecifiedImpl	1	0.000	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.checkValidity	2	0.000	0.000	
categorical.categorical>maxArraySizeLimit	1	0.000	0.000	
int2str	1	0.000	0.000	
...outManager.AxesLayoutManager>AxesLayoutManager.getParentImpl	7	0.000	0.000	
ProfileViewerService>ProfileViewerService.needsToNotifyUI	1	0.000	0.000	
...ractionContainer>TextInteractionContainer.getDefaultInteractionsArray	7	0.000	0.000	
hasDisplay	4	0.000	0.000	
categorical.end	2	0.000	0.000	
...dgets.spreadsheet.data.ComplexScalarFactory.valueOf (Java method)	4	0.000	0.000	
Legend.Legend>Legend.set.BoxMode	1	0.000	0.000	
findall>@()set(rootobj,'ShowHiddenHandles',Temp)	1	0.000	0.000	
Legend.Legend>Legend.set.FontSizeMode	1	0.000	0.000	
parenReference_1D	4	0.000	0.000	
AxesLayoutManager.AxesLayoutManager>AxesLayoutManager.delete	2	0.000	0.000	
...ts.BreakpointInstallationResult.createSuccessfulResult (Java method)	1	0.000	0.000	
Legend.Legend>Legend.getLocationImpl	4	0.000	0.000	
CanvasPlugin.CanvasPlugin>CanvasPlugin.CanvasPlugin	1	0.000	0.000	
FigureUtils>FigureUtils.isEditorEmbeddedFigure	2	0.000	0.000	
BaseAxesInteractionContainer>BaseAxesInteractionContainer.set.is2d	1	0.000	0.000	
...idgets.spreadsheet.data.ComplexArrayFactory.valueOf (Java method)	2	0.000	0.000	
isStringScalar	3	0.000	0.000	
Rotate3dBehavior>Rotate3dBehavior.dosupport	1	0.000	0.000	
Legend.Legend>Legend.set.Self.listenerList_1	4	0.000	0.000	
...m.mathworks.widgets.spreadsheet.data.ValueSummary (Java method)	4	0.000	0.000	
InteractionContainer>InteractionContainer.get.Enabled	2	0.000	0.000	
Legend.Legend>Legend.get.PositionMode	4	0.000	0.000	
isFigureShowEnabled	4	0.000	0.000	
Legend.Legend>Legend.set.version	2	0.000	0.000	
..._Interactions>UnifiedAxesInteractions.setDefaultBehaviorForTextArray	2	0.000	0.000	
Legend.Legend>Legend.get.SelfListenerListMode	4	0.000	0.000	

categorical.categorical>removeUtil	1	0.000	0.000	
optimization_analysis>@(h)isgraphics(h)	4	0.000	0.000	
Legend.Legend>Legend.get_LimitMaxLegendEntries_I	2	0.000	0.000	
DataDescriptorBehavior>DataDescriptorBehavior.dosupport	1	0.000	0.000	
...rks.mlwidgets.workspace.WhosInformation.getInstance (Java method)	3	0.000	0.000	
ProfilerState>ProfilerState.setLastAction	1	0.000	0.000	
Legend.Legend>Legend.get_standalone_I	2	0.000	0.000	
Legend.Legend>Legend.get_PlotChildrenSpecifiedMode	3	0.000	0.000	
CategoricalRuler>categoriesInRealOrder	1	0.000	0.000	
BaseDataModel>BaseDataModel.setProfileResumedState	1	0.000	0.000	
...ab.graphics.illustration.ColorBar') isa(ax,'matlab.graphics.chart.Chart')	2	0.000	0.000	
java.lang.String (Java method)	2	0.000	0.000	
Legend.Legend>Legend.get_LimitMaxLegendEntriesMode	2	0.000	0.000	
PointerMixin>PointerMixin.PointerMixin	2	0.000	0.000	
Legend.Legend>Legend.get_TextColor_I	2	0.000	0.000	
BaseInteractionSet>BaseInteractionSet.BaseInteractionSet	2	0.000	0.000	
Legend.Legend>Legend.get_AxesMode	2	0.000	0.000	
Legend.Legend>Legend.get_version	1	0.000	0.000	
BaseDataModel>BaseDataModel.setPayloadStaleState	1	0.000	0.000	
ProfilerState>ProfilerState.setState	1	0.000	0.000	
Legend.Legend>Legend.get_FontSizeMode	1	0.000	0.000	
java.io.File (Java method)	1	0.000	0.000	
AbstractModeStrategy>AbstractModeStrategy.AbstractModeStrategy	2	0.000	0.000	
...ager.ScribeStackManager>ScribeStackManager.ScribeStackManager	1	0.000	0.000	
Legend.Legend>Legend.get_FontSize_I	1	0.000	0.000	
MatRad_Config>MatRad_Config.delete	1	0.000	0.000	
Legend.Legend>Legend.get_BoxMode	1	0.000	0.000	
PointerModeStrategy>PointerModeStrategy.PointerModeStrategy	2	0.000	0.000	
Legend.Legend>Legend.set_FontSize_I	1	0.000	0.000	
iptutils/private/iptprefsinfo	1	0.000	0.000	
java.util.ArrayList (Java method)	2	0.000	0.000	
Legend.Legend>Legend.setSelectionHandle_IFanoutProps	4	0.000	0.000	
Legend.Legend>Legend.setDecorationContainer_IFanoutProps	4	0.000	0.000	
Legend.Legend>Legend.setColorSpace_IFanoutProps	4	0.000	0.000	
Legend.Legend>Legend.setCamera_IFanoutProps	4	0.000	0.000	
Legend.Legend>Legend.setDataSpace_IFanoutProps	4	0.000	0.000	
Legend.Legend>Legend.setEntryContainer_IFanoutProps	4	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.