

Profile Summary (Total time: 64784.933 s)

Generated 17-Oct-2025 12:18:59 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (self time / total time)
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PG29	1	64784.518	0.160	
GenmnSet	1	64780.019	0.009	
GenmnSet>ElementwiseGen	4139431	64780.008	143.695	
PossiblemnSet	3957472	63589.612	3393.455	█
PossiblemnSet>InterNumKL	525576356	60196.157	3330.052	█
ismember	534228455	48844.127	4555.143	█
ismember>ismemberR2012a	534228455	42897.342	11158.809	██████
unique	1068444174	23056.580	17944.092	███████
cell2mat	534224089	8953.180	8953.180	████
unique>uniqueR2012a	1068444174	5112.488	5112.488	████
sortrows	534222085	3234.449	2771.970	█
ismember>needsCastingChecks	534228455	3226.072	3226.072	████
ismember>ismemberBuiltinTypes	534222085	2221.434	2221.434	████
partialMatchString	534228457	1391.643	1391.643	█
CheckmnSet	95020	1046.646	64.405	█
CheckmnSet>InterNumKL	8646820	982.241	51.749	█
sortrows>canCallBuiltinHelper	534222085	462.479	462.479	█
GenLines	1	2.792	0.090	
LinearSpan	4368	2.199	1.200	
HypertoBiGraph	1	1.444	0.122	
graph.plot	1	1.147	0.115	
LinearSpan>PosMultiplicationGF9	823368	0.867	0.867	
newplot	1	0.623	0.271	
CanvasPlugin.CanvasPlugin>CanvasPlugin.createCanvas	1	0.204	0.023	
GraphPlot.GraphPlot>GraphPlot.GraphPlot	1	0.177	0.023	
graph.plot>checkinputnames	1	0.147	0.126	
getFileInfoForToolbarstrip	25	0.145	0.137	
LinearSpan>PosAdditionGF9	102648	0.132	0.132	
GraphPlot.layout	1	0.123	0.027	
ToolbarFactory>ToolbarFactory.getToolbar	1	0.115	0.056	
AxesControl>AxesControl.updateInteractionOptions	1	0.101	0.001	
GenPoints	1	0.101	0.019	
..>CartesianAxesInteractionOptions.updateInteractionOptions	1	0.099	0.000	
..>CartesianAxesInteractionOptions.updateAutoCalcProperties	1	0.099	0.001	
layout	1	0.089	0.001	
..Options>CartesianAxesInteractionOptions.updateOuterLimits	1	0.088	0.049	
layout>layoutsubspace	1	0.088	0.035	
..nne1>@(source,data).obj.onCustomEvent(data.Type,data.Data)	5	0.061	0.002	
CanvasSetup>CanvasSetup.createScribeLayers	1	0.061	0.010	
UnifiedAxesInteractions.createDefaultInteractions	1	0.061	0.011	
..topToolbarController>DesktopToolbarController.getInstance	1	0.059	0.000	
Channel>Channel.onCustomEvent	5	0.059	0.007	
..troller>DesktopToolbarController/DesktopToolbarController	1	0.059	0.026	
mat2cell	684	0.055	0.055	
graph.graph>graph.graph	1	0.052	0.036	
..ackManager.ScribeStackManager>ScribeStackManager.getLayer	3	0.052	0.002	
cla	1	0.052	0.026	
hggetbehavior	2	0.051	0.001	
hggetbehavior>localGet	2	0.050	0.018	
..ndow>@(source,data).obj.onCustomEvent(data.Type,data.Data)	5	0.050	0.003	

<u>...createDefaultInteractionsInSync(ax,is2dim,numDataSpaces)</u>	1	0.049	0.011	
<u>...xesInteractionContainer.CartesianAxesInteractionContainer</u>	1	0.049	0.021	
<u>...Manager.ScribeStackManager>ScribeStackManager.createLayer</u>	2	0.048	0.033	
<u>webwindow>webwindow.onCustomEvent</u>	5	0.047	0.039	
<u>UnifiedAxesInteractions.createDefaultInteractionsInSync</u>	1	0.038	0.025	
<u>...ctionOptions>CartesianAxesInteractionOptions.setAutoBound</u>	3	0.036	0.003	
<u>...Options>CartesianAxesInteractionOptions.verifyValidLimits</u>	6	0.031	0.031	
<u>hgbbehaviorfactory</u>	2	0.031	0.000	
<u>hgbbehaviorfactory>localCreate</u>	2	0.030	0.029	
<u>...ptions>CartesianAxesInteractionOptions.set.OuterXLimits_I</u>	1	0.030	0.001	
<u>MLGraph.subspaceLayout</u>	1	0.029	0.002	
<u>...AxesInteractionContainer.StandardAxesInteractionContainer</u>	1	0.028	0.000	
<u>...BaseAxesInteractionContainer.BaseAxesInteractionContainer</u>	1	0.027	0.000	
<u>...actionContainer>InteractionContainer.InteractionContainer</u>	1	0.027	0.001	
<u>...nContainer>InteractionContainer.set.InteractionsArrayMode</u>	1	0.026	0.001	
<u>...esianAxesInteractionContainer.getDefaultInteractionsArray</u>	1	0.025	0.025	
<u>gobjects</u>	3	0.025	0.008	
<u>...ler.ToolbarController>ToolbarController.ToolbarController</u>	1	0.024	0.024	
<u>graphics\private\clo</u>	1	0.024	0.005	
<u>updateEdgeCoords</u>	1	0.024	0.003	
<u>attributes</u>	1	0.023	0.002	
<u>cell.setdiff</u>	1	0.021	0.001	
<u>attributes>checkInputs</u>	1	0.021	0.019	
<u>GraphPlot.doUpdate</u>	1	0.020	0.018	
<u>MLGraph.subspaceLayout>layoutOneConnComp</u>	1	0.020	0.020	
<u>cell.setdiff>cellsetdiffR2012a</u>	1	0.020	0.018	
<u>...ionContainer>BaseAxesInteractionContainer.set.CurrentMode</u>	1	0.019	0.000	
<u>updateEdgeCoords>computeOpeningAngle</u>	1	0.018	0.017	
<u>...ctionContainer>InteractionContainer.updateCanvasAndFigure</u>	1	0.018	0.017	
<u>GraphPlot.GraphPlot>GraphPlot.getXYZDataExtents</u>	1	0.018	0.012	
<u>repmat</u>	3	0.017	0.013	
<u>ScribeLayer.ScribeLayer>ScribeLayer.ScribeLayer</u>	2	0.015	0.007	
<u>constructFromEdgeList</u>	1	0.015	0.014	
<u>...eLayer.ScribeLayer>@(src,event)hObj.childAdded(src,event)</u>	1	0.013	0.000	
<u>ScribeLayer.ScribeLayer>ScribeLayer.childAdded</u>	1	0.013	0.012	
<u>GraphPlot.GraphPlot>GraphPlot.updateEdgeLineHandles</u>	1	0.012	0.007	
<u>...fiedAxesInteractions.queueCreateDefaultInteractionsOnAxes</u>	1	0.011	0.010	
<u>PointerMixin>PointerMixin.setPointerStrategy</u>	1	0.009	0.009	
<u>...ions>CartesianAxesInteractionOptions.updateRestoredLimits</u>	1	0.008	0.002	
<u>fileparts</u>	25	0.008	0.003	
<u>GraphPlot.GraphPlot>GraphPlot.updateMarkerHandles</u>	2	0.008	0.005	
<u>GraphPlot.GraphPlot>GraphPlot.set.Layout</u>	1	0.007	0.000	
<u>MLGraph.subspaceLayout>laplacianIgnoreSelfLoops</u>	1	0.007	0.006	
<u>observeFigureNextPlot</u>	1	0.007	0.007	
<u>axescheck</u>	1	0.007	0.003	
<u>GraphPlot.GraphPlot>GraphPlot.updateNodeLabelHandles</u>	1	0.007	0.005	
<u>Callback>Callback.execute</u>	2	0.006	0.001	
<u>...CartesianAxesInteractionOptions.updateAutoResetProperties</u>	3	0.006	0.002	
<u>arraytolimits</u>	3	0.005	0.001	
<u>...ice>@(varargin)obj.handleWindowResizingEvent(varargin{:})</u>	2	0.005	0.001	

fileparts>legacyPCExecution	25	0.005	0.005	
arraytolimits>localGetLimits	3	0.005	0.005	
GraphPlot.GraphPlot>GraphPlot.extractInputNameValue	5	0.005	0.004	
GraphPlot.GraphPlot>GraphPlot.set.MarkerSize	1	0.004	0.001	
...annotationPane.AnnotationPane>AnnotationPane.AnnotationPane	1	0.004	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.getParentImpl	5	0.004	0.004	
...UpdatePlugin>@(sourceObj,evtData)obj.cacheLoad(sourceObj)	1	0.004	0.000	
BrowserService>BrowserService.handleWindowResizingEvent	2	0.004	0.002	
..k>@(x)(isStringScalar(x) ischar(x))&&strcmp('parent',x)	1	0.004	0.004	
..@(source,data)obj.onPropertyChanged(data.Name,data.Value)	3	0.004	0.001	
repmat	3	0.004	0.003	
AnnotationPane.AnnotationPane>AnnotationPane.doSetup	1	0.004	0.003	
mustBeVector	35	0.004	0.004	
PostUpdatePlugin>PostUpdatePlugin.cacheLoad	1	0.004	0.003	
PostUpdatePlugin>PostUpdatePlugin.PostUpdatePlugin	1	0.003	0.003	
updateEdgeCoords>computeSelfLoopRadius	1	0.003	0.003	
CustomEventInfo>CustomEventInfo.CustomEventInfo	5	0.003	0.003	
Channel>Channel.onPropertyChanged	3	0.002	0.001	
webwindow>webwindow.isMaximized	2	0.002	0.001	
cell.unique	2	0.002	0.002	
generateArgumentDescriptor	1	0.002	0.002	
GraphPlot.GraphPlot>GraphPlot.set.MarkerHandles	3	0.002	0.002	
GraphPlot.GraphPlot>GraphPlot.set.EdgeLineHandles	2	0.002	0.002	
isMatchingSize	7	0.002	0.002	
...ons>CartesianAxesInteractionOptions.set.RestoredYLimits_I	1	0.002	0.000	
webwindow>@(varargin)obj.restoreCallbackState(varargin{:})	5	0.002	0.001	
webwindow>webwindow.isMaximized	2	0.002	0.001	
hbbehaviorfactory>localGetBehaviorInfo	2	0.001	0.001	
isValidInLogScale	6	0.001	0.001	
...ow>@(varargin)obj.onWindowStatePropertyEvent(varargin{:})	1	0.001	0.001	
graphics\private\claNotify	1	0.001	0.001	
...ionOptions>CartesianAxesInteractionOptions.updateBounding	1	0.001	0.001	
...anAxesInteractionOptions.updateInteractionOptionsAfterSet	1	0.001	0.001	
spdiags	1	0.001	0.001	
GraphPlot.GraphPlot>GraphPlot.refreshHandles	8	0.001	0.001	
nextstyle	1	0.001	0.001	
...ptions>CartesianAxesInteractionOptions.set.OuterZLimits_I	1	0.001	0.001	
CanvasPlugin.CanvasPlugin>CanvasPlugin.getInstance	1	0.001	0.001	
...ckManager.ScribeStackManager>ScribeStackManager.findLayer	5	0.001	0.001	
clearvars	1	0.001	0.001	
UnifiedAxesInteractions.queuedAxesOperations	2	0.001	0.001	
sub2ind	1	0.001	0.001	
GraphPlot.GraphPlot>GraphPlot.set.NodeLabelHandles	1	0.001	0.001	
...fiedAxesInteractions.createInteractionsForTitlesAndLabels	1	0.001	0.000	
ToolbarFactory>ToolbarFactory.getInstance	1	0.001	0.001	
repmat>checkSizesType	3	0.001	0.001	
...UnifiedAxesInteractions>UnifiedAxesInteractions.getCanvas	2	0.001	0.001	
getWiderLimits	1	0.001	0.001	
isUIFigure	1	0.001	0.001	
...ptions>CartesianAxesInteractionOptions.set.OuterYLimits_I	1	0.001	0.001	

webwindow>webwindow.restoreCallbackState	5	0.001	0.001	
webwindow>webwindow.onWindowStatePropertyEvent	1	0.001	0.001	
GraphPlot.GraphPlot>GraphPlot.set.EdgeArrowHandles	1	0.001	0.001	
...ons>CartesianAxesInteractionOptions.set.RestoredXLLimits_I	1	0.001	0.000	
hggetbehavior>localPeek	2	0.001	0.001	
cellstr	3	0.001	0.001	
...>CartesianAxesInteractionContainer.cleanUpIfFigureChanged	1	0.001	0.000	
getSetCmdExecutionTypeIdle	1	0.001	0.001	
...ifiedAxesInteractions.createCartesianAxesTextInteractions	1	0.001	0.001	
getBounds	1	0.001	0.001	
usejava	2	0.001	0.001	
...ianAxesInteractionOptions.CartesianAxesInteractionOptions	2	0.001	0.000	
GraphPlot.GraphPlot>GraphPlot.getColorAlphaDataExtents	1	0.001	0.000	
isValidInLogScale>basicImpl	6	0.001	0.001	
...Manager.ScribeStackManager>ScribeStackManager.getInstance	1	0.001	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.setParentImpl	1	0.001	0.000	
GraphPlot.GraphPlot>GraphPlot.set.NodeColor_I	2	0.000	0.000	
getDoubleAxesLimits	1	0.000	0.000	
graph.graph>graph.validateEdgeProperties	2	0.000	0.000	
cell.ismember	1	0.000	0.000	
ChildEventData>ChildEventData.ChildEventData	1	0.000	0.000	
num2ruler	3	0.000	0.000	
...ons>CartesianAxesInteractionOptions.set.RestoredZLLimits_I	1	0.000	0.000	
...onPane.AnnotationPane>AnnotationPane.getContainerForChild	1	0.000	0.000	
simplifyEdgeIndex	1	0.000	0.000	
...tionContainer>CartesianAxesInteractionContainer.clearList	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.MarkerSize	2	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.set.EdgeColor_I	2	0.000	0.000	
webwindow>webwindow.errorOnInValidWindow	2	0.000	0.000	
clearvars>parseArgs	1	0.000	0.000	
isCategorical	6	0.000	0.000	
graph.graph>graph.set.EdgeProperties	1	0.000	0.000	
attributes>checkClass	1	0.000	0.000	
isPublishingTest	3	0.000	0.000	
...anager.ControlManager>ControlManager.sendPVPairsToControl	1	0.000	0.000	
...ons>BaseAxesInteractionOptions.BaseAxesInteractionOptions	2	0.000	0.000	
FigureUtils>FigureUtils.isEditorSnapshotFigure	1	0.000	0.000	
CanvasPlugin.CanvasPlugin>CanvasPlugin.CanvasPlugin	1	0.000	0.000	
isFigureShowEnabled	2	0.000	0.000	
mustBeValidGraphicsObject	2	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.set.BasicGraph	1	0.000	0.000	
mustBeReal	7	0.000	0.000	
...ptions>CartesianAxesInteractionOptions.set.RestoredView_I	1	0.000	0.000	
mustBeNonNan	7	0.000	0.000	
isCharOrString	2	0.000	0.000	
...ckManager.ScribeStackManager>ScribeStackManager.hasLayers	2	0.000	0.000	
isStringScalar	2	0.000	0.000	
graph.graph>graph.getEdgeWeights	1	0.000	0.000	
...ainer>BaseAxesInteractionContainer.cleanUpIfFigureChanged	1	0.000	0.000	
BrushBehavior>BrushBehavior.dosupport	1	0.000	0.000	

cla>verifyNotAxesAndNonAxesMixedInput	1	0.000	0.000	
isValidNameType	1	0.000	0.000	
FigureUtils>FigureUtils.isEditorEmbeddedFigure	1	0.000	0.000	
graph.graph>graph.getNodeNames	1	0.000	0.000	
...InteractionContainer>BaseAxesInteractionContainer.set.is2d	1	0.000	0.000	
attributes>checkAttrs	1	0.000	0.000	
DataDescriptorBehavior>DataDescriptorBehavior.dosupport	1	0.000	0.000	
layout>layoutauto	1	0.000	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.checkValidity	1	0.000	0.000	
graph.graph>graph.minimizeNodeProperties	1	0.000	0.000	
mustBeScalarOrEmpty	1	0.000	0.000	
InteractionContainer>InteractionContainer.clearList	1	0.000	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.findCanvas	1	0.000	0.000	
generateArgumentDescriptor>isCharOrString	3	0.000	0.000	
hasDisplay	2	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.Marker	2	0.000	0.000	
...s>CartesianAxesInteractionOptions.warnIfUnsupportedFigure	1	0.000	0.000	
mustBeMatrix	2	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.LineWidth	1	0.000	0.000	
...seAxesInteractionOptions.updateInteractionOptionsAfterSet	1	0.000	0.000	
...tions>CartesianAxesInteractionOptions.sendOptionsToClient	1	0.000	0.000	
...eStrategy>FigureBasedModeStrategy.FigureBasedModeStrategy	1	0.000	0.000	
InteractionContainer>InteractionContainer.get.Enabled	1	0.000	0.000	
...ns>UnifiedAxesInteractions.setDefaultBehaviorForTextArray	1	0.000	0.000	
istable	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.NodeColor	1	0.000	0.000	
graph.graph>graph.minimizeEdgeProperties	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.LineStyle	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.EdgeColor	1	0.000	0.000	
...KeyboardInteractionManager.AxesKeyboardInteractionManager	1	0.000	0.000	
BrushBehavior>BrushBehavior.BrushBehavior	1	0.000	0.000	
...onSet>DefaultAxesInteractionSet.DefaultAxesInteractionSet	1	0.000	0.000	
...torBehavior>DataDescriptorBehavior.DataDescriptorBehavior	1	0.000	0.000	
...ategy>FigurePointerModeStrategy.FigurePointerModeStrategy	1	0.000	0.000	
...x.matlab.webwindow.FocusManager.getInstance (Java method)	1	0.000	0.000	
GraphPlot.getHints	1	0.000	0.000	
...ScribeStackManager>ScribeStackManager.ScribeStackManager	1	0.000	0.000	
...works.toolbox.matlab.webwindow.FocusManager (Java method)	1	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.