

Profile Summary (Total time: 7597.961 s)

Generated 29-Oct-2025 07:55:20 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	7597.839	0.053	
GenmnSet	1	7594.226	0.004	
GenmnSet>ElementwiseGen	1165821	7594.221	31.132	
PossiblemnSet	651945	7431.195	531.849	
ismember	95649010	5694.680	630.377	
ismember>ismemberR2012a	95649010	4913.809	1354.300	
PossiblemnSet>InterIndexKL	30016234	3368.481	173.860	
PossiblemnSet>InterNumKL	30016235	3232.636	139.582	
unique	121959352	2565.394	2014.905	
cell2mat	60975307	1000.209	1000.209	
unique>uniqueR2012a	121959352	550.489	550.489	
sortrows	60979674	357.832	307.709	
ismember>ismemberBuiltInTypes	95649010	320.791	320.791	
ismember>needsCastingChecks	60979674	315.495	315.495	
partialMatchString	60979676	150.494	150.494	
CheckmnSet	221451	131.883	15.272	
CheckmnSet>InterNumKL	941926	103.488	4.596	
sortrows>canCallBuiltInHelper	60979674	50.122	50.122	
nchoosek	271242	3.741	3.741	
GenLines	1	2.816	0.094	
LinearSpan	4368	2.201	1.195	
LinearSpan>PosMultiplicationGF9	823368	0.872	0.872	
HypertoBiGraph	1	0.634	0.033	
graph.plot	1	0.487	0.036	
newplot	1	0.265	0.131	
LinearSpan>PosAdditionGF9	102648	0.133	0.133	
GenPoints	1	0.109	0.021	
GraphPlot.GraphPlot>GraphPlot.GraphPlot	1	0.099	0.012	
CanvasPlugin.CanvasPlugin>CanvasPlugin.createCanvas	1	0.089	0.009	
graph.plot>checkInputNames	1	0.062	0.056	
GraphPlot.layout	1	0.060	0.012	
layout	1	0.042	0.001	
ToolbarFactory>ToolbarFactory.getToolbar	1	0.042	0.025	
layout>layoutSubspace	1	0.041	0.009	
CanvasSetup>CanvasSetup.createScribeLayers	1	0.036	0.007	
AxesControl>AxesControl.updateInteractionOptions	1	0.035	0.001	
...>CartesianAxesInteractionOptions.updateInteractionOptions	1	0.032	0.000	
...>CartesianAxesInteractionOptions.updateAutoCalcProperties	1	0.032	0.001	
...ackManager.ScribeStackManager>ScribeStackManager.getLayer	3	0.029	0.002	
...Manager.ScribeStackManager>ScribeStackManager.createLayer	2	0.027	0.017	
MLGraph.subspaceLayout	1	0.023	0.001	
UnifiedAxesInteractions.createDefaultInteractions	1	0.022	0.002	
...Options>CartesianAxesInteractionOptions.updateOuterLimits	1	0.021	0.010	
...createDefaultInteractionsInSync(ax,is2dim,numDataSpaces)	1	0.019	0.003	
GraphPlot.doUpdate	1	0.019	0.017	
cla	1	0.018	0.005	
MLGraph.subspaceLayout>layoutOneConnComp	1	0.018	0.018	
getFileInfoForToolbar	2	0.017	0.015	
...topToolbarController>DesktopToolbarController.getInstance	1	0.016	0.000	
...troller>DesktopToolbarController.DesktopToolbarController	1	0.016	0.007	

UnifiedAxesInteractions.createDefaultInteractionsInSync	1	0.016	0.011	
hggetbehavior	2	0.015	0.001	
..nne1>@(source,data)obj.onCustomEvent(data.Type,data.Data)	1	0.015	0.001	
hggetbehavior>localGet	2	0.015	0.005	
Channel>Channel.onCustomEvent	1	0.015	0.003	
graphics\private\clo	1	0.012	0.004	
mat2cell	96	0.012	0.012	
graph.graph>graph.graph	1	0.012	0.009	
..xesInteractionContainer.CartesianAxesInteractionContainer	1	0.011	0.004	
GraphPlot.GraphPlot>GraphPlot.getXYZDataExtents	1	0.011	0.004	
..ndow>@(source,data)obj.onCustomEvent(data.Type,data.Data)	1	0.011	0.001	
webwindow>webwindow.onCustomEvent	1	0.010	0.009	
hgbehaviorfactory	2	0.009	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.ScribeLayer	2	0.009	0.005	
hgbehaviorfactory>localCreate	2	0.009	0.008	
updateEdgeCoords	1	0.009	0.002	
...ctionOptions>CartesianAxesInteractionOptions.setAutoBound	3	0.009	0.003	
...ions>CartesianAxesInteractionOptions.updateRestoredLimits	1	0.009	0.002	
GraphPlot.GraphPlot>GraphPlot.updateMarkerHandles	2	0.008	0.005	
GraphPlot.GraphPlot>GraphPlot.updateEdgeLineHandles	1	0.008	0.005	
GraphPlot.GraphPlot>GraphPlot.set.MarkerSize	1	0.008	0.004	
...ionContainer>BaseAxesInteractionContainer.setCurrentMode	1	0.008	0.000	
...ctionContainer>InteractionContainer.updateCanvasAndFigure	1	0.007	0.006	
arraytolimits	3	0.007	0.001	
...AxesInteractionContainer.StandardAxesInteractionContainer	1	0.007	0.000	
gobjects	3	0.007	0.003	
...BaseAxesInteractionContainer.BaseAxesInteractionContainer	1	0.007	0.000	
...actionContainer>InteractionContainer.InteractionContainer	1	0.007	0.001	
...CartesianAxesInteractionOptions.updateAutoResetProperties	3	0.006	0.002	
arraytolimits>localGetLimits	3	0.006	0.006	
cell.setdiff	1	0.006	0.000	
...nContainer>InteractionContainer.set.InteractionsArrayMode	1	0.006	0.000	
cell.setdiff>cellsetdiffR2012a	1	0.006	0.005	
...Options>CartesianAxesInteractionOptions.verifyValidLimits	6	0.006	0.005	
GraphPlot.GraphPlot>GraphPlot.set.Layout	1	0.006	0.000	
updateEdgeCoords>computeOpeningAngle	1	0.005	0.004	
...esianAxesInteractionContainer.getDefaultInteractionsArray	1	0.005	0.005	
GraphPlot.GraphPlot>GraphPlot.updateNodeLabelHandles	1	0.005	0.004	
attributes	1	0.005	0.001	
...ler.ToolbarController>ToolbarController.ToolbarController	1	0.005	0.004	
MLGraph.subspaceLayout>laplacianIgnoreSelfLoops	1	0.004	0.004	
PointerMixin>PointerMixin.setPointerStrategy	1	0.004	0.004	
 repmat	3	0.004	0.003	
attributes>checkInputs	1	0.004	0.003	
...ptions>CartesianAxesInteractionOptions.set.OuterXLimits_I	1	0.004	0.001	
...eLayer.ScribeLayer>@(src,event)hObj.childAdded(src,event)	1	0.004	0.000	
GraphPlot.GraphPlot>GraphPlot.extractInputNameValue	5	0.003	0.003	
ScribeLayer.ScribeLayer>ScribeLayer.childAdded	1	0.003	0.003	
...notationPane.AnnotationPane>AnnotationPane.AnnotationPane	1	0.003	0.001	
observeFigureNextPlot	1	0.003	0.003	

mustBeVector	35	0.003	0.003	
constructFromEdgeList	1	0.003	0.002	
...fiedAxesInteractions.queueCreateDefaultInteractionsOnAxes	1	0.002	0.002	
AnnotationPane.AnnotationPane>AnnotationPane.doSetup	1	0.002	0.002	
fileparts	2	0.002	0.001	
...UpdatePlugin>@(sourceObj,evtData)obj.cacheLoad(sourceObj)	1	0.002	0.000	
PostUpdatePlugin>PostUpdatePlugin.PostUpdatePlugin	1	0.002	0.002	
...ons>CartesianAxesInteractionOptions.set.RestoredYLimits_I	1	0.002	0.001	
axescheck	1	0.002	0.001	
PostUpdatePlugin>PostUpdatePlugin.cacheLoad	1	0.002	0.002	
GraphPlot.GraphPlot>GraphPlot.set.MarkerHandles	3	0.002	0.002	
isMatchingSize	7	0.002	0.002	
fileparts>legacyPCExecution	2	0.002	0.002	
repmat	3	0.002	0.001	
...anAxesInteractionOptions.updateInteractionOptionsAfterSet	1	0.002	0.001	
...ionOptions>CartesianAxesInteractionOptions.updateBounding	1	0.001	0.001	
GraphPlot.GraphPlot>GraphPlot.set.EdgeLineHandles	2	0.001	0.001	
hgbehaviorfactory>localGetBehaviorInfo	2	0.001	0.001	
updateEdgeCoords>computeSelfLoopRadius	1	0.001	0.001	
isValidInLogScale	6	0.001	0.001	
...k>@(x)(isStringScalar(x) ischar(x))&&strcmp('parent',x)	1	0.001	0.001	
clearvars	1	0.001	0.001	
cell.unique	2	0.001	0.001	
webwindow>@(varargin)obj.restoreCallbackState(varargin{:})	1	0.001	0.000	
GraphPlot.GraphPlot>GraphPlot.refreshHandles	8	0.001	0.001	
graphics\private\claNotify	1	0.001	0.001	
...fiedAxesInteractions.createInteractionsForTitlesAndLabels	1	0.001	0.000	
...ptions>CartesianAxesInteractionOptions.set.OuterYLimits_I	1	0.001	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.getParentImpl	5	0.001	0.001	
generateArgumentDescriptor	1	0.001	0.001	
GraphPlot.GraphPlot>GraphPlot.set.NodeLabelHandles	1	0.001	0.001	
...ckManager.ScribeStackManager>ScribeStackManager.findLayer	5	0.001	0.001	
...ons>CartesianAxesInteractionOptions.set.RestoredXLimits_I	1	0.001	0.000	
UnifiedAxesInteractions.queuedAxesOperations	2	0.001	0.001	
sub2ind	1	0.001	0.001	
spdiags	1	0.001	0.001	
...ptions>CartesianAxesInteractionOptions.set.OuterZLimits_I	1	0.001	0.000	
GraphPlot.GraphPlot>GraphPlot.getColorAlphaDataExtents	1	0.001	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.setParentImpl	1	0.001	0.001	
nextstyle	1	0.001	0.001	
webwindow>webwindow.restoreCallbackState	1	0.001	0.001	
cellstr	3	0.001	0.001	
...UnifiedAxesInteractions>UnifiedAxesInteractions.getCanvas	2	0.001	0.001	
...fiedAxesInteractions.createCartesianAxesTextInteractions	1	0.001	0.001	
getBounds	1	0.001	0.001	
CanvasPlugin.CanvasPlugin>CanvasPlugin.getInstance	1	0.001	0.000	
...ianAxesInteractionOptions.CartesianAxesInteractionOptions	2	0.001	0.000	
...ons>CartesianAxesInteractionOptions.set.RestoredZLimits_I	1	0.001	0.000	
hggetbehavior>localPeek	2	0.001	0.001	
GraphPlot.GraphPlot>GraphPlot.set.EdgeArrowHandles	1	0.001	0.001	

num2ruler	3	0.000	0.000	
isValidInLogScale>basicImpl	6	0.000	0.000	
isUIFigure	1	0.000	0.000	
getWiderLimits	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.MarkerSize	2	0.000	0.000	
getDoubleAxesLimits	1	0.000	0.000	
...>CartesianAxesInteractionContainer.cleanUpIfFigureChanged	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.set.NodeColor_I	2	0.000	0.000	
...ckManager.ScribeStackManager>ScribeStackManager.hasLayers	2	0.000	0.000	
repMat>checkSizesType	3	0.000	0.000	
clearvars>parseArgs	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.set.EdgeColor_I	2	0.000	0.000	
CustomEventInfo>CustomEventInfo.CustomEventInfo	1	0.000	0.000	
isCategorical	6	0.000	0.000	
ChildEventData>ChildEventData.ChildEventData	1	0.000	0.000	
...anager.ControlManager>ControlManager.sendPVPairsToControl	1	0.000	0.000	
...ptions>CartesianAxesInteractionOptions.set.RestoredView_I	1	0.000	0.000	
simplifyEdgeIndex	1	0.000	0.000	
cell.ismember	1	0.000	0.000	
mustBeReal	7	0.000	0.000	
...Manager.ScribeStackManager>ScribeStackManager.getInstance	1	0.000	0.000	
ToolbarFactory>ToolbarFactory.getInstance	1	0.000	0.000	
...onPane.AnnotationPane>AnnotationPane.getContainerForChild	1	0.000	0.000	
usejava	2	0.000	0.000	
FigureUtils>FigureUtils.isEditorSnapshotFigure	1	0.000	0.000	
...tionContainer>CartesianAxesInteractionContainer.clearList	1	0.000	0.000	
mustBeNonNan	7	0.000	0.000	
...ons>BaseAxesInteractionOptions.BaseAxesInteractionOptions	2	0.000	0.000	
isPublishingTest	3	0.000	0.000	
graph.graph>graph.set.EdgeProperties	1	0.000	0.000	
mustBeValidGraphicsObject	2	0.000	0.000	
isStringScalar	2	0.000	0.000	
isCharOrString	2	0.000	0.000	
graph.graph>graph.validateEdgeProperties	2	0.000	0.000	
attributes>checkClass	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.set.BasicGraph_	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.Marker	2	0.000	0.000	
FigureUtils>FigureUtils.isEditorEmbeddedFigure	1	0.000	0.000	
...nteractionContainer>BaseAxesInteractionContainer.set.is2d	1	0.000	0.000	
DataDescriptorBehavior>DataDescriptorBehavior.dosupport	1	0.000	0.000	
CanvasPlugin.CanvasPlugin>CanvasPlugin.CanvasPlugin	1	0.000	0.000	
graph.graph>graph.getNodeNames	1	0.000	0.000	
...>CartesianAxesInteractionOptions.warnIfUnsupportedFigure	1	0.000	0.000	
...ainer>BaseAxesInteractionContainer.cleanUpIfFigureChanged	1	0.000	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.checkValidity	1	0.000	0.000	
getSetCmdExecutionTypeIdle	1	0.000	0.000	
isFigureShowEnabled	2	0.000	0.000	
layout>layoutauto	1	0.000	0.000	
mustBeScalarOrEmpty	1	0.000	0.000	
cla>verifyNotAxesAndNonAxesMixedInput	1	0.000	0.000	

...seAxesInteractionOptions.updateInteractionOptionsAfterSet	1	0.000	0.000	
...tions>CartesianAxesInteractionOptions.sendOptionsToClient	1	0.000	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.findCanvas	1	0.000	0.000	
BrushBehavior>BrushBehavior.dosupport	1	0.000	0.000	
graph.graph>graph.getEdgeWeights	1	0.000	0.000	
hasDisplay	2	0.000	0.000	
mustBeMatrix	2	0.000	0.000	
attributes>checkAttrs	1	0.000	0.000	
InteractionContainer>InteractionContainer.get.Enabled	1	0.000	0.000	
graph.graph>graph.minimizeNodeProperties	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.NodeColor	1	0.000	0.000	
generateArgumentDescriptor>isCharOrString	3	0.000	0.000	
isValidNameType	1	0.000	0.000	
istable	1	0.000	0.000	
...ns>UnifiedAxesInteractions.setDefaultBehaviorForTextArray	1	0.000	0.000	
InteractionContainer>InteractionContainer.clearList	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.LineWidth	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.EdgeColor	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.LineStyle	1	0.000	0.000	
graph.graph>graph.minimizeEdgeProperties	1	0.000	0.000	
...eStrategy>FigureBasedModeStrategy.FigureBasedModeStrategy	1	0.000	0.000	
...onSet>DefaultAxesInteractionSet.DefaultAxesInteractionSet	1	0.000	0.000	
...KeyboardInteractionManager.AxesKeyboardInteractionManager	1	0.000	0.000	
BrushBehavior>BrushBehavior.BrushBehavior	1	0.000	0.000	
...torBehavior>DataDescriptorBehavior.DataDescriptorBehavior	1	0.000	0.000	
GraphPlot.getHints	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	
...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.