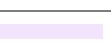


Profile Summary (Total time: 6.284 s)

Generated 06-Nov-2025 03:08:47 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	6.195	0.289	
GenLines	1	3.011	0.103	
LinearSpan	4368	2.320	1.252	 
ismember	33006	2.227	0.244	 
GenmnSet	1	2.068	0.008	 
GenmnSet>ElementwiseGen	917	2.036	0.049	 
ismember>ismemberR2012a	33006	1.919	0.523	 
PossiblemnSet	597	1.768	0.186	 
unique	36816	0.985	0.729	 
LinearSpan>PosMultiplicationGF9	823368	0.922	0.922	 
PossiblemnSet>InterNumKL	5931	0.733	0.032	 
PossiblemnSet>InterIndexKL	5931	0.731	0.039	 
HypertoBiGraph	1	0.711	0.033	 
graph.plot	1	0.570	0.037	 
newplot	1	0.340	0.170	 
unique>uniqueR2012a	36816	0.256	0.256	 
cell2mat	14040	0.248	0.248	 
CheckmnSet	307	0.214	0.035	 
CheckmnSet>InterNumKL	1168	0.151	0.008	 
sortrows	18406	0.150	0.131	 
LinearSpan>PosAdditionGF9	102648	0.146	0.146	 
ismember>ismemberBuiltInTypes	33006	0.144	0.144	 
CanvasPlugin.CanvasPlugin>CanvasPlugin.createCanvas	1	0.120	0.011	 
ismember>needsCastingChecks	18406	0.118	0.118	 
GenPoints	1	0.114	0.022	 
GraphPlot.GraphPlot>GraphPlot.GraphPlot	1	0.094	0.013	 
graph.plot>checkInputNames	1	0.071	0.064	 
ToolbarFactory>ToolbarFactory.getToolbar	1	0.067	0.049	 
partialMatchString	18408	0.064	0.064	 
GraphPlot.layout	1	0.054	0.014	 
CanvasSetup>CanvasSetup.createScribeLayers	1	0.039	0.008	 
AxesControl>AxesControl.updateInteractionOptions	1	0.035	0.001	 
layout	1	0.034	0.001	 
layout>layoutSubspace	1	0.033	0.009	 
...ackManager.ScribeStackManager>ScribeStackManager.getLayer	3	0.033	0.002	 
...>CartesianAxesInteractionOptions.updateInteractionOptions	1	0.032	0.000	 
...>CartesianAxesInteractionOptions.updateAutoCalcProperties	1	0.032	0.001	 
...Manager.ScribeStackManager>ScribeStackManager.createLayer	2	0.030	0.019	 
UnifiedAxesInteractions.createDefaultInteractions	1	0.022	0.002	 
...Options>CartesianAxesInteractionOptions.updateOuterLimits	1	0.021	0.010	 
...createDefaultInteractionsInSync(ax,is2dim,numDataSpaces)	1	0.020	0.002	 
cla	1	0.020	0.005	 
GraphPlot.doUpdate	1	0.019	0.017	
sortrows>canCallBuiltInHelper	18406	0.019	0.019	
...topToolbarController>DesktopToolbarController.getInstance	1	0.017	0.000	
UnifiedAxesInteractions.createDefaultInteractionsInSync	1	0.017	0.013	
...troller>DesktopToolbarController/DesktopToolbarController	1	0.017	0.007	
hggetbehavior	2	0.017	0.001	
hggetbehavior>localGet	2	0.016	0.005	
MLGraph.subspaceLayout	1	0.014	0.001	

graphics\private\clo	1	0.013	0.004	
...xesInteractionContainer.CartesianAxesInteractionContainer	1	0.013	0.005	
graph.graph>graph.graph	1	0.013	0.009	
updateEdgeCoords	1	0.010	0.002	
hgbehaviorfactory	2	0.010	0.000	
hgbehaviorfactory>localCreate	2	0.010	0.008	
GraphPlot.GraphPlot>GraphPlot.updateEdgeLineHandles	1	0.010	0.006	
...ctionOptions>CartesianAxesInteractionOptions.setAutoBound	3	0.010	0.003	
ScribeLayer.ScribeLayer>ScribeLayer.ScribeLayer	2	0.009	0.005	
gobjects	3	0.009	0.004	
MLGraph.subspaceLayout>layoutOneConnComp	1	0.009	0.009	
...ionContainer>BaseAxesInteractionContainer.set.CurrentMode	1	0.009	0.000	
GraphPlot.GraphPlot>GraphPlot.updateMarkerHandles	2	0.008	0.005	
...ctionContainer>InteractionContainer.updateCanvasAndFigure	1	0.008	0.007	
...AxesInteractionContainer.StandardAxesInteractionContainer	1	0.008	0.000	
GraphPlot.GraphPlot>GraphPlot.getXYZDataExtents	1	0.008	0.003	
...ions>CartesianAxesInteractionOptions.updateRestoredLimits	1	0.008	0.002	
...BaseAxesInteractionContainer.BaseAxesInteractionContainer	1	0.008	0.000	
...actionContainer>InteractionContainer.InteractionContainer	1	0.008	0.001	
updateEdgeCoords>computeOpeningAngle	1	0.007	0.006	
...nContainer>InteractionContainer.set.InteractionsArrayMode	1	0.007	0.001	
nchoosek	263	0.007	0.007	
cell.setdiff	1	0.007	0.000	
...esianAxesInteractionContainer.getDefaultInteractionsArray	1	0.006	0.006	
cell.setdiff>cellsetdiffR2012a	1	0.006	0.005	
GraphPlot.GraphPlot>GraphPlot.set.Layout	1	0.006	0.000	
...CartesianAxesInteractionOptions.updateAutoResetProperties	3	0.006	0.002	
...Options>CartesianAxesInteractionOptions.verifyValidLimits	6	0.006	0.005	
GraphPlot.GraphPlot>GraphPlot.updateNodeLabelHandles	1	0.006	0.004	
attributes	1	0.005	0.001	
...ler.ToolbarController>ToolbarController.ToolbarController	1	0.005	0.005	
arraytolimits	3	0.005	0.001	
repmat	3	0.005	0.003	
arraytolimits>localGetLimits	3	0.005	0.005	
MLGraph.subspaceLayout>laplacianIgnoreSelfLoops	1	0.005	0.004	
GraphPlot.GraphPlot>GraphPlot.set.MarkerSize	1	0.005	0.001	
mat2cell	3	0.004	0.004	
PointerMixin>PointerMixin.setPointerStrategy	1	0.004	0.004	
...ptions>CartesianAxesInteractionOptions.set.OuterXLimits_I	1	0.004	0.001	
attributes>checkInputs	1	0.004	0.003	
...UpdatePlugin>@(sourceObj,evtData)obj.cacheLoad(sourceObj)	1	0.004	0.000	
...eLayer.ScribeLayer>@(src,event)hObj.childAdded(src,event)	1	0.004	0.000	
GraphPlot.GraphPlot>GraphPlot.extractInputNameValue	5	0.004	0.003	
PostUpdatePlugin>PostUpdatePlugin.cacheLoad	1	0.004	0.003	
ScribeLayer.ScribeLayer>ScribeLayer.childAdded	1	0.003	0.003	
...notationPane.AnnotationPane>AnnotationPane.AnnotationPane	1	0.003	0.001	
mustBeVector	35	0.003	0.003	
constructFromEdgeList	1	0.003	0.003	
observeFigureNextPlot	1	0.003	0.003	
...fiedAxesInteractions.queueCreateDefaultInteractionsOnAxes	1	0.003	0.002	

AnnotationPane.AnnotationPane>AnnotationPane.doSetup	1	0.003	0.002	
PostUpdatePlugin>PostUpdatePlugin.PostUpdatePlugin	1	0.002	0.002	
GraphPlot.GraphPlot>GraphPlot.set.MarkerHandles	3	0.002	0.002	
clearvars	1	0.002	0.001	
axescheck	1	0.002	0.001	
...ionOptions>CartesianAxesInteractionOptions.updateBounding	1	0.002	0.002	
isMatchingSize	7	0.002	0.002	
repmat	3	0.002	0.001	
...ons>CartesianAxesInteractionOptions.set.RestoredYLimits_I	1	0.002	0.001	
hgbehaviorfactory>localGetBehaviorInfo	2	0.002	0.002	
GraphPlot.GraphPlot>GraphPlot.set.EdgeLineHandles	2	0.002	0.002	
cell.unique	2	0.001	0.001	
...anAxesInteractionOptions.updateInteractionOptionsAfterSet	1	0.001	0.001	
isValidInLogScale	6	0.001	0.001	
updateEdgeCoords>computeSelfLoopRadius	1	0.001	0.001	
...k>@(x)(isStringScalar(x) ischar(x))&&strcmpi('parent',x)	1	0.001	0.001	
cellstr	3	0.001	0.001	
graphics\private\claNotify	1	0.001	0.001	
GraphPlot.GraphPlot>GraphPlot.refreshHandles	8	0.001	0.001	
...ckManager.ScribeStackManager>ScribeStackManager.findLayer	5	0.001	0.001	
...fiedAxesInteractions.createInteractionsForTitlesAndLabels	1	0.001	0.000	
generateArgumentDescriptor	1	0.001	0.001	
sub2ind	1	0.001	0.001	
GraphPlot.GraphPlot>GraphPlot.set.NodeLabelHandles	1	0.001	0.001	
...ons>CartesianAxesInteractionOptions.set.RestoredXLimits_I	1	0.001	0.001	
...UnifiedAxesInteractions>UnifiedAxesInteractions.getCanvas	2	0.001	0.001	
UnifiedAxesInteractions.queuedAxesOperations	2	0.001	0.001	
clearvars>parseArgs	1	0.001	0.001	
nextstyle	1	0.001	0.001	
spdiags	1	0.001	0.001	
...ptions>CartesianAxesInteractionOptions.set.OuterYLimits_I	1	0.001	0.000	
getSetCmdExecutionTypeIdle	1	0.001	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.getParentImpl	5	0.001	0.001	
...ptions>CartesianAxesInteractionOptions.set.OuterZLimits_I	1	0.001	0.000	
...ckManager.ScribeStackManager>ScribeStackManager.hasLayers	2	0.001	0.001	
ToolbarFactory>ToolbarFactory.getInstance	1	0.001	0.001	
...ianAxesInteractionOptions.CartesianAxesInteractionOptions	2	0.001	0.000	
GraphPlot.GraphPlot>GraphPlot.getColorAlphaDataExtents	1	0.001	0.001	
...fiedAxesInteractions.createCartesianAxesTextInteractions	1	0.001	0.001	
hggetbehavior>localPeek	2	0.001	0.001	
CanvasPlugin.CanvasPlugin>CanvasPlugin.getInstance	1	0.001	0.000	
AnnotationPane.AnnotationPane>AnnotationPane.setParentImpl	1	0.001	0.000	
getBounds	1	0.001	0.001	
...>CartesianAxesInteractionContainer.cleanUpIfFigureChanged	1	0.001	0.000	
cell.ismember	1	0.001	0.001	
GraphPlot.GraphPlot>GraphPlot.set.EdgeArrowHandles	1	0.001	0.001	
isValidInLogScale>basicImpl	6	0.001	0.001	
getWiderLimits	1	0.000	0.000	
num2ruler	3	0.000	0.000	
...ons>CartesianAxesInteractionOptions.set.RestoredZLimits_I	1	0.000	0.000	

<u>mpower</u>	6	0.000	0.000	
<u>...ptions>CartesianAxesInteractionOptions.set.RestoredView_I</u>	1	0.000	0.000	
<u>getDoubleAxesLimits</u>	1	0.000	0.000	
<u>GraphPlot.GraphPlot>GraphPlot.set.NodeColor_I</u>	2	0.000	0.000	
<u>GraphPlot.GraphPlot>GraphPlot.get.MarkerSize</u>	2	0.000	0.000	
<u>repmat>checkSizesType</u>	3	0.000	0.000	
<u>GraphPlot.GraphPlot>GraphPlot.set.EdgeColor_I</u>	2	0.000	0.000	
<u>isUIFigure</u>	1	0.000	0.000	
<u>...ons>BaseAxesInteractionOptions.BaseAxesInteractionOptions</u>	2	0.000	0.000	
<u>...onPane.AnnotationPane>AnnotationPane.getContainerForChild</u>	1	0.000	0.000	
<u>...tionContainer>CartesianAxesInteractionContainer.clearList</u>	1	0.000	0.000	
<u>ChildEventData>ChildEventData.ChildEventData</u>	1	0.000	0.000	
<u>...Manager.ScribeStackManager>ScribeStackManager.getInstance</u>	1	0.000	0.000	
<u>simplifyEdgeIndex</u>	1	0.000	0.000	
<u>...anager.ControlManager>ControlManager.sendPVPairsToControl</u>	1	0.000	0.000	
<u>attributes>checkClass</u>	1	0.000	0.000	
<u>iscategorical</u>	6	0.000	0.000	
<u>FigureUtils>FigureUtils.isEditorSnapshotFigure</u>	1	0.000	0.000	
<u>graph.graph>graph.set.EdgeProperties</u>	1	0.000	0.000	
<u>mustBeReal</u>	7	0.000	0.000	
<u>graph.graph>graph.validateEdgeProperties</u>	2	0.000	0.000	
<u>mustBeNonNan</u>	7	0.000	0.000	
<u>isCharOrString</u>	2	0.000	0.000	
<u>isPublishingTest</u>	3	0.000	0.000	
<u>mustBeValidGraphicsObject</u>	2	0.000	0.000	
<u>isStringScalar</u>	2	0.000	0.000	
<u>GraphPlot.GraphPlot>GraphPlot.set.BasicGraph</u>	1	0.000	0.000	
<u>DataDescriptorBehavior>DataDescriptorBehavior.dosupport</u>	1	0.000	0.000	
<u>...nteractionContainer>BaseAxesInteractionContainer.set.is2d</u>	1	0.000	0.000	
<u>...ainer>BaseAxesInteractionContainer.cleanUpIfFigureChanged</u>	1	0.000	0.000	
<u>FigureUtils>FigureUtils.isEditorEmbeddedFigure</u>	1	0.000	0.000	
<u>CanvasPlugin.CanvasPlugin>CanvasPlugin.CanvasPlugin</u>	1	0.000	0.000	
<u>usejava</u>	1	0.000	0.000	
<u>graph.graph>graph.getNodeNames</u>	1	0.000	0.000	
<u>ScribeLayer.ScribeLayer>ScribeLayer.checkValidity</u>	1	0.000	0.000	
<u>...s>CartesianAxesInteractionOptions.warnIfUnsupportedFigure</u>	1	0.000	0.000	
<u>cla>verifyNotAxesAndNonAxesMixedInput</u>	1	0.000	0.000	
<u>attributes>checkAttrs</u>	1	0.000	0.000	
<u>layout>layoutauto</u>	1	0.000	0.000	
<u>mustBeScalarOrEmpty</u>	1	0.000	0.000	
<u>isFigureShowEnabled</u>	2	0.000	0.000	
<u>graph.graph>graph.getEdgeWeights</u>	1	0.000	0.000	
<u>GraphPlot.GraphPlot>GraphPlot.get.Marker</u>	2	0.000	0.000	
<u>BrushBehavior>BrushBehavior.dosupport</u>	1	0.000	0.000	
<u>hasDisplay</u>	2	0.000	0.000	
<u>...seAxesInteractionOptions.updateInteractionOptionsAfterSet</u>	1	0.000	0.000	
<u>ScribeLayer.ScribeLayer>ScribeLayer.findCanvas</u>	1	0.000	0.000	
<u>mustBeMatrix</u>	2	0.000	0.000	
<u>graph.graph>graph.minimizeNodeProperties</u>	1	0.000	0.000	
<u>graph.graph>graph.minimizeEdgeProperties</u>	1	0.000	0.000	

...tions>CartesianAxesInteractionOptions.sendOptionsToClient	1	0.000	0.000	
generateArgumentDescriptor>isCharOrString	3	0.000	0.000	
...ns>UnifiedAxesInteractions.setDefaultBehaviorForTextArray	1	0.000	0.000	
InteractionContainer>InteractionContainer.get.Enabled	1	0.000	0.000	
isValidNameType	1	0.000	0.000	
InteractionContainer>InteractionContainer.clearList	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.NodeColor	1	0.000	0.000	
GraphPlot.GraphPlot>GraphPlot.get.LineWidth	1	0.000	0.000	
_itable	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	
...onSet>DefaultAxesInteractionSet.DefaultAxesInteractionSet	1	0.000	0.000	
...KeyboardInteractionManager.AxesKeyboardInteractionManager	1	0.000	0.000	
...ategy>FigurePointerModeStrategy.FigurePointerModeStrategy	1	0.000	0.000	
BrushBehavior>BrushBehavior.BrushBehavior	1	0.000	0.000	
...torBehavior>DataDescriptorBehavior.DataDescriptorBehavior	1	0.000	0.000	
...eStrategy>FigureBasedModeStrategy.FigureBasedModeStrategy	1	0.000	0.000	
GraphPlot.getHints	1	0.000	0.000	
...ScribeStackManager>ScribeStackManager.ScribeStackManager	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.