

Profile Summary (Total time: 28501.098 s)

Generated 26-May-2023 13:27:00 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
Simpsons_Rule_Timing	1	28500.997	0.472	
timeit	2000	28497.022	2.393	
Simpsons_Rule_Timing>@()version1(f,a,b,i)	10378	25429.003	0.142	
Simpsons_Rule_Timing>version1	10378	25428.861	327.050	
symfun.symfun>symfun.subsref	4535461	22321.337	89.834	
symfun.feval	4535461	20223.161	349.084	
mupadmex (MEX-file)	130278994	18561.488	17215.490	
sym.sym>sym.privToCell	4535461	9519.239	710.246	
symfun.feval>evalScalarFun	4535461	9420.506	48.855	
sym.subs	4535461	8745.656	463.590	
sym.subs>mupadsubs	4535461	7679.877	265.842	
sym.sym>sym.subsref	4565466	5587.578	294.646	
sym.size	18201838	5358.214	929.012	
timeit>roughEstimate	2000	4570.034	0.365	
sym.subs>normalize	4535461	4335.407	663.034	
sym.sym>sym.sym	40905744	4009.289	740.343	
Simpsons_Rule_Timing>@()version2(f,a,b,i)	15000	3062.429	0.246	
Simpsons_Rule_Timing>version2	15000	3062.183	8.315	
timeit>numOutputs	2000	3056.385	0.093	
sym.sym>sym.privBinaryOp	9081302	2895.948	246.341	
sym.numel	9160872	2844.836	318.208	
sym.mustBeCompatibleReferenceStruct	4535461	2008.342	350.898	
sym.subs>@(x)sym(x)	9070922	1935.627	142.566	
sym.vpa	4530839	1775.985	166.846	
sym.sym>sym.mtimes	4515839	1756.283	32.853	
sym.sym>tomupad	40905744	1721.390	329.569	
sym.sym>sym.length	4535467	1637.282	75.164	
sym.sym>sym.isscalar	4535464	1366.270	57.457	
sym.plus	4535462	1201.487	141.827	
sym.sym>sym.delete	40905742	1055.477	679.122	
sym.sym>sym.privResolveArgs	54671233	882.615	369.706	
symfun.symfun>symfun.formula	4535461	625.995	137.571	
symengine	40905757	610.808	610.205	
sym.sym>sym.normalizeSym	40905744	554.313	554.313	
attributes	4535463	512.890	128.376	
sym.sym>privformat	4565465	398.029	33.764	
...er>CustomCompactDisplayProvider.CustomCompactDisplayProvider	40905744	382.607	382.607	
sym.sym>privformatscalar	4535524	359.274	34.385	
sym.sym>numeric2cellstr	9091760	347.777	168.042	
int2str	4535526	324.890	324.890	

<u>sym.sym>sym.times</u>	30000	317.550	0.980	
<u>sym.subs>tolist</u>	9070922	295.299	249.289	
<u>attributes>checkInputs</u>	4535463	280.279	146.568	
<u>sym.sym>symr</u>	16569273	179.832	101.421	
<u>generateArgumentDescriptor</u>	4535463	133.711	103.846	
<u>sym.subs>inputchk</u>	4535461	90.675	90.675	
<u>attributes>checkClass</u>	4535463	82.621	82.621	
<u>sym.subs>isAbstractFun</u>	4535461	63.569	63.569	
<u>sym.sum</u>	30000	55.764	1.229	
<u>sym.subs>@(x)[x.s.'.']</u>	9070922	46.010	46.010	
<u>sym.sym>@(t){t}</u>	4535461	44.731	44.731	
<u>sym.sym>sym.privUnaryOp</u>	29961	40.356	0.855	
<u>sym.sym>sym.formula</u>	18201885	34.515	34.515	
<u>sym.sym>sym.privResolveOutput</u>	13642109	30.424	30.424	
<u>generateArgumentDescriptor>isCharOrString</u>	13606389	29.864	29.864	
<u>attributes>checkAttrs</u>	4535463	21.614	21.612	
<u>symfun.symfun>symfun.argnames</u>	4535461	20.167	20.167	
<u>sym.sym>sym.end</u>	30000	16.418	1.055	
<u>...sym>@(x)isscalar(x)&&isnumeric(x)&&x==round(x)&&isfinite(x)&&x>0</u>	4565464	15.304	15.304	
<u>sym.sym>symisempty</u>	30003	14.000	0.563	
<u>sym.subs>@(x)isa(x,'sym')</u>	4535461	11.610	11.610	
<u>sym.sym>privformatmatrix</u>	29941	4.990	4.990	
<u>functionHandleCallOverhead</u>	2000	1.635	0.282	
<u>hold</u>	1	1.016	0.348	
<u>functionHandleCallOverhead>functionHandleTimeExperiment</u>	202	0.936	0.509	
<u>syms</u>	1	0.824	0.122	
<u>scatter</u>	2	0.666	0.001	
<u>scatter>matrixScatter</u>	2	0.664	0.312	
<u>legend</u>	1	0.627	0.013	
<u>legend>make_legend</u>	1	0.614	0.041	
<u>CanvasPlugin.CanvasPlugin>CanvasPlugin.createCanvas</u>	1	0.556	0.192	
<u>functionHandleCallOverhead>anonFunctionHandleCallTime</u>	4000	0.528	0.028	
<u>functionHandleCallOverhead>simpleFunctionHandleCallTime</u>	2000	0.461	0.024	
<u>functionHandleCallOverhead>emptyFunctionCallTime</u>	4000	0.365	0.032	
<u>functionHandleCallOverhead>emptyFunctionTimeExperiment</u>	101	0.333	0.228	
<u>functionHandleCallOverhead>emptyFunction</u>	606009	0.331	0.331	
<u>functionHandleCallOverhead>@()emptyFunction()</u>	202003	0.313	0.200	
<u>linspace</u>	15001	0.303	0.303	
<u>Legend.Legend>Legend.set.Axes</u>	1	0.203	0.000	
<u>Legend.Legend>Legend.set.Axes_I</u>	1	0.202	0.001	
<u>Legend.Legend>Legend.setAxesImpl</u>	1	0.201	0.015	
<u>ToolbarFactory>ToolbarFactory.getToolbar</u>	1	0.194	0.114	
<u>ismember</u>	2011	0.193	0.055	
<u>Legend.Legend>Legend.Legend</u>	1	0.191	0.034	
<u>legendcolorbarlayout</u>	1	0.178	0.051	

<u>CanvasSetup>CanvasSetup.createScribeLayers</u>	1	0.165	0.057	
<u>sym.sym>sym.convertStrings</u>	30004	0.156	0.156	
<u>clf</u>	1	0.150	0.134	
<u>median</u>	4000	0.142	0.142	
<u>Legend.doSetup</u>	1	0.139	0.074	
<u>ismember>ismemberR2012a</u>	2011	0.137	0.067	
<u>mupadengine.mupadengine>mupadengine.evalin_internal</u>	13	0.114	0.007	
<u>... beStackManager.ScribeStackManager>ScribeStackManager.getLayer</u>	4	0.109	0.043	
<u>sym.sym>sym.isNullObjOrSeq</u>	13	0.105	0.004	
<u>... youtManager.AxesLayoutManager>AxesLayoutManager.getManager</u>	1	0.096	0.034	
<u>legend>find_legend</u>	1	0.095	0.094	
<u>table.table>table.getPropertyNamesList</u>	1	0.093	0.091	
<u>polyfit</u>	2	0.082	0.010	
<u>... roller.DesktopToolbarController>DesktopToolbarController.getInstance</u>	1	0.080	0.001	
<u>legend>process_inputs</u>	1	0.079	0.011	
<u>... ToolbarController>DesktopToolbarController.DesktopToolbarController</u>	1	0.079	0.028	
<u>Scatter.Scatter>Scatter.Scatter</u>	2	0.074	0.002	
<u>leastSquaresFit</u>	2	0.072	0.071	
<u>AbstractScatter.AbstractScatter>AbstractScatter.AbstractScatter</u>	2	0.071	0.021	
<u>symfun.symfun>symfun.symfun</u>	2	0.066	0.002	
<u>ismember>ismemberBuiltinTypes</u>	2002	0.064	0.064	
<u>... tackManager.ScribeStackManager>ScribeStackManager.createLayer</u>	3	0.063	0.038	
<u>legend>getLegendableChildren</u>	1	0.061	0.009	
<u>sympref</u>	1	0.057	0.010	
<u>close</u>	1	0.056	0.001	
<u>symfun.symfun>symfun.validateArgNames</u>	2	0.055	0.013	
<u>getLegendableChildren</u>	1	0.052	0.027	
<u>symengine>handshake</u>	1	0.051	0.027	
<u>tictocCallTime</u>	2000	0.048	0.036	
<u>hggetbehavior</u>	2	0.046	0.001	
<u>hggetbehavior>localGet</u>	2	0.046	0.012	
<u>sympref>initializeSymprefs</u>	1	0.045	0.017	
<u>scatter>parseargs</u>	2	0.041	0.025	
<u>sym.sym>sym.subsasgn</u>	2	0.041	0.003	
<u>xlabel</u>	1	0.041	0.034	
<u>configureAxes</u>	2	0.038	0.013	
<u>... ager.AxesLayoutManager>AxesLayoutManager.AxesLayoutManager</u>	1	0.034	0.001	
<u>mupadengine.mupadengine>mupadengine.eval_internal</u>	11	0.034	0.005	
<u>CanvasPlugin.CanvasPlugin>CanvasPlugin.getInstance</u>	1	0.033	0.032	
<u>InteractionContainer>InteractionContainer.InteractionContainer</u>	3	0.032	0.004	
<u>... artesianAxesInteractionContainer.CartesianAxesInteractionContainer</u>	1	0.032	0.002	
<u>ToolbarController.ToolbarController>ToolbarController.ToolbarController</u>	1	0.032	0.032	
<u>hgbehaviorfactory</u>	2	0.032	0.000	
<u>hgbehaviorfactory>localCreate</u>	2	0.032	0.030	
<u>metaDim>metaDim.metaDim</u>	1	0.031	0.021	

<u>close>request_close</u>	1	0.031	0.006	
<u>...ayoutManager.AxesLayoutManager>AxesLayoutManager.addToTree</u>	1	0.031	0.009	
<u>...StandardAxesInteractionContainer.StandardAxesInteractionContainer</u>	1	0.030	0.000	
<u>...ntainer>BaseAxesInteractionContainer.BaseAxesInteractionContainer</u>	1	0.030	0.000	
<u>sympref>setMuPADpref</u>	7	0.030	0.007	
<u>sym.sym>sym.double</u>	45	0.029	0.004	
<u>ctorHelper</u>	5	0.028	0.004	
<u>InteractionContainer>InteractionContainer.set.InteractionsArrayMode</u>	3	0.028	0.002	
<u>sym.sym>sym.assume</u>	2	0.027	0.002	
<u>... Manager.AxesLayoutManager>AxesLayoutManager.insertAboveAxes</u>	1	0.026	0.009	
<u>...tainer>CartesianAxesInteractionContainer.getDefaultInteractionsArray</u>	1	0.025	0.024	
<u>...>OuterPositionChangedEventMixin.OuterPositionChangedEventMixin</u>	1	0.024	0.018	
<u>close>safegetchildren</u>	1	0.024	0.007	
<u>configureAxes>checkChildren</u>	2	0.024	0.001	
<u>objArrayDispatch</u>	3	0.023	0.018	
<u>configureAxes>checkDim</u>	4	0.023	0.011	
<u>ScribeLayer.ScribeLayer>ScribeLayer.ScribeLayer</u>	3	0.021	0.012	
<u>findMatchingDimensions</u>	2	0.019	0.008	
<u>scatter>localGetAxesInfo</u>	2	0.018	0.013	
<u>closereq</u>	1	0.018	0.018	
<u>PointerMixin>PointerMixin.setPointerStrategy</u>	1	0.018	0.017	
<u>ismissing</u>	1	0.016	0.011	
<u>unique</u>	4	0.016	0.007	
<u>islegendable</u>	1	0.015	0.014	
<u>validatestring</u>	2	0.015	0.002	
<u>Scatter.Scatter>Scatter.doSetup</u>	2	0.015	0.014	
<u>gobjects</u>	13	0.015	0.011	
<u>symfun.symfun>symfun.parseString</u>	2	0.015	0.005	
<u>setdiff</u>	2	0.014	0.001	
<u>parseplotapi</u>	2	0.014	0.010	
<u>mupadengine.mupadengine>feval2eval</u>	11	0.014	0.012	
<u>sym.sym>sym.privsubsasgn</u>	1	0.014	0.009	
<u>setdiff>setdiffR2012a</u>	2	0.013	0.004	
<u>validatestring>checkString</u>	2	0.013	0.002	
<u>Scatter.Scatter>Scatter.validateDataPropertyValue</u>	10	0.013	0.010	
<u>ScribeLayer.ScribeLayer>@(src,event)hObj.childAdded(src,event)</u>	2	0.012	0.000	
<u>axescheck</u>	3	0.012	0.003	
<u>ScribeLayer.ScribeLayer>ScribeLayer.childAdded</u>	2	0.012	0.011	
<u>Legend.doMethod</u>	2	0.012	0.001	
<u>tictocCallTime>tictocTimeExperiment</u>	11	0.012	0.012	
<u>getChildrenForRuler</u>	4	0.012	0.012	
<u>RandStream.RandStream>getMethodNames</u>	1	0.011	0.011	
<u>AbstractScatter.AbstractScatter>AbstractScatter.set.XData</u>	2	0.011	0.002	
<u>parseparams</u>	2	0.011	0.010	
<u>Legend.doMethod>createDefaultContextMenu</u>	1	0.011	0.011	

<u>axescheck</u> >@(x)(isStringScalar(x) ischar(x))&&strcmp('parent',x)	9	0.010	0.008	
<u>varNamesDim</u> > <u>varNamesDim.varNamesDim</u>	1	0.010	0.001	
<u>graphics\private\clearscribe</u>	1	0.009	0.002	
<u>...utManager.AxesLayoutManager</u> > <u>AxesLayoutManager.ValidateObject</u>	1	0.009	0.001	
<u>...esLayoutManager.AxesLayoutManager</u> > <u>AxesLayoutManager.set_Axes</u>	1	0.009	0.001	
<u>unique</u> > <u>uniqueR2012a</u>	4	0.009	0.009	
<u>RandStream.RandStream</u> > <u>RandStream.RandStream</u>	1	0.009	0.008	
<u>sym.ismember</u>	1	0.008	0.001	
<u>newplot</u>	4	0.008	0.003	
<u>Legend.attachAxesListeners</u>	1	0.008	0.004	
<u>findall</u>	1	0.008	0.006	
<u>...anager.AxesLayoutManager</u> > <u>AxesLayoutManager.addAxesListeners</u>	1	0.008	0.008	
<u>varNamesDim</u> > <u>varNamesDim.dfltLabels</u>	1	0.007	0.007	
<u>AnnotationPane.AnnotationPane</u> > <u>AnnotationPane.AnnotationPane</u>	2	0.007	0.001	
<u>metaDim</u> > <u>metaDim.makeValidName</u>	1	0.007	0.006	
<u>close</u> > <u>request_close_helper</u>	2	0.007	0.004	
<u>ismember</u> > <u>ismemberClassTypes</u>	9	0.006	0.006	
<u>...youtManager.AxesLayoutManager</u> >@(h,e)localReparentCB(h,e,hObj)	1	0.006	0.000	
<u>allchild</u>	2	0.006	0.004	
<u>sym.sym2cell</u>	1	0.006	0.000	
<u>...utManager</u> > <u>AxesLayoutManager.addAxesListeners/localReparentCB</u>	1	0.006	0.006	
<u>isMatchingSize</u>	1	0.006	0.006	
<u>num2cell</u>	1	0.006	0.001	
<u>...ayoutManager.AxesLayoutManager</u> > <u>AxesLayoutManager.findMethod</u>	4	0.006	0.006	
<u>AnnotationPane.AnnotationPane</u> > <u>AnnotationPane.doSetup</u>	2	0.006	0.005	
<u>sympref</u> > <u>isMuPADPref</u>	7	0.005	0.003	
<u>sympref</u> > <u>convert2expectedtype</u>	7	0.005	0.003	
<u>...teractionContainer</u> > <u>TextInteractionContainer.TextInteractionContainer</u>	2	0.005	0.002	
<u>sym.reshape</u>	2	0.005	0.002	
<u>...eStackManager.ScribeStackManager</u> > <u>ScribeStackManager.findLayer</u>	19	0.005	0.005	
<u>...er.ScribeLayer</u> >@(src,event)hObj.childRemovedOrDeleted(src,event)	1	0.005	0.001	
<u>PostUpdatePlugin</u> > <u>PostUpdatePlugin.PostUpdatePlugin</u>	1	0.005	0.004	
<u>Legend.setupBoxEdge</u>	1	0.005	0.004	
<u>ismissingKernel</u>	1	0.005	0.004	
<u>sympref</u> > <u>implementedSymprefs</u>	15	0.005	0.004	
<u>ScribeLayer.ScribeLayer</u> > <u>ScribeLayer.childRemovedOrDeleted</u>	1	0.005	0.004	
<u>sym.transpose</u>	2	0.004	0.000	
<u>Scatter.Scatter</u> > <u>Scatter.set_SizeData_I</u>	2	0.004	0.001	
<u>validatecolor</u>	2	0.004	0.001	
<u>sym.sym</u> > <u>sym.eq</u>	2	0.004	0.000	
<u>flipud</u>	2	0.004	0.000	
<u>sym.unique</u>	2	0.004	0.002	
<u>Legend.Legend</u> > <u>Legend.set_BoxEdge_I</u>	1	0.004	0.001	
<u>ylabel</u>	1	0.004	0.002	
<u>sym.sym</u> > <u>sym.privComparison</u>	2	0.004	0.001	

tabularDimension>tabularDimension.init	3	0.004	0.003
AbstractScatter.AbstractScatter>AbstractScatter.set.MarkerHandle	2	0.004	0.001
clearNotify	1	0.004	0.004
repmat	2	0.004	0.001
fullfile	1	0.003	0.002
newplotwrapper	2	0.003	0.001
AbstractScatter.AbstractScatter>AbstractScatter.set.CData	2	0.003	0.001
flip	2	0.003	0.001
Legend.Legend>Legend.set.TitleSeparator_I	1	0.003	0.001
sym.sym>sym.any	1	0.003	0.000
@sym\private\isAllVars	2	0.003	0.000
AbstractScatter.validateDataPropertyValue	10	0.003	0.003
sym.sym>logicalNaNIsFalse	1	0.003	0.000
rmfield	1	0.003	0.003
...catter.AbstractScatter>AbstractScatter.setMarkerHandleFanoutProps	2	0.003	0.003
sym.horzcat	3	0.003	0.001
markFigure	1	0.003	0.003
repmat	2	0.003	0.002
Legend.Legend>Legend.setBoxEdge_IFanoutProps	1	0.003	0.002
convertToRGB	2	0.003	0.003
mat2str	1	0.003	0.002
polyval	2	0.003	0.003
expandLegendChildren	1	0.003	0.002
sympref>expectedPrefType	6	0.003	0.002
flip	2	0.003	0.003
Legend.Legend>Legend.get.Position_I	1	0.003	0.000
Legend.Legend>Legend.set.BoxFace_I	1	0.002	0.001
sym.sym>sym.not	2	0.002	0.000
sym.sym>sym.logical	4	0.002	0.001
...ctScatter.AbstractScatter>AbstractScatter.dataPropertyChanged	10	0.002	0.002
Legend.Legend>Legend.getPositionImpl	1	0.002	0.002
ScribeLayer.ScribeLayer>@(src,event)hObj.childRemoved(src,event)	1	0.002	0.000
RandStream.randi	1	0.002	0.002
Legend.Legend>Legend.setTitleSeparator_IFanoutProps	1	0.002	0.002
AbstractScatter.AbstractScatter>AbstractScatter.set.CData_I	2	0.002	0.001
sym.sym>convertChar	6	0.002	0.001
sym.sym>sym.mpower	1	0.002	0.000
Legend.Legend>Legend.set.AxesListenerList	4	0.002	0.001
nextstyle	2	0.002	0.002
AbstractScatter.AbstractScatter>AbstractScatter.set.SelectionHandle_I	2	0.002	0.000
ScribeLayer.ScribeLayer>ScribeLayer.childRemoved	1	0.002	0.001
AbstractScatter.AbstractScatter>AbstractScatter.set.MarkerHandleNaN	2	0.002	0.000
AbstractScatter.AbstractScatter>AbstractScatter.set.YData	2	0.002	0.001
sym.char	3	0.002	0.001
legend>setDisplayNames	1	0.002	0.002

<u>...youtManager.AxesLayoutManager>AxesLayoutManager.addToLayout</u>	1	0.002	0.001	
<u>refresh</u>	1	0.002	0.002	
<u>varNamesDim>varNamesDim.init</u>	1	0.002	0.000	
<u>legend>lcl_is2D</u>	1	0.002	0.002	
<u>...er.AbstractScatter>AbstractScatter.setSelectionHandle_IFanoutProps</u>	2	0.002	0.001	
<u>..stractScatter.AbstractScatter>AbstractScatter.set.CurrentIconColorInfo</u>	2	0.002	0.001	
<u>findall>showHiddenHandlesToFindAllHandles</u>	1	0.002	0.002	
<u>isCharOrString</u>	12	0.002	0.002	
<u>RandStream.RandStream>RandStream.delete</u>	1	0.002	0.002	
<u>AnnotationPane.AnnotationPane>AnnotationPane.setParentImpl</u>	2	0.001	0.001	
<u>...er.AbstractScatter>AbstractScatter.setMarkerHandleNaNFanoutProps</u>	2	0.001	0.001	
<u>isStringScalar</u>	9	0.001	0.001	
<u>Legend.Legend>Legend.set.SelectionHandle_I</u>	1	0.001	0.001	
<u>Legend.Legend>Legend.setBoxFace_IFanoutProps</u>	1	0.001	0.001	
<u>Legend.Legend>Legend.set.DataSpace_I</u>	1	0.001	0.001	
<u>Legend.Legend>Legend.get.AxesListenerList</u>	8	0.001	0.001	
<u>close>@()set(0,'ShowHiddenHandles',oldUDDShowHiddenHandles)</u>	1	0.001	0.001	
<u>sym.reshape>checkArg</u>	4	0.001	0.000	
<u>AbstractScatter.AbstractScatter>AbstractScatter.set.MarkerEdgeColor</u>	2	0.001	0.001	
<u>usev6plotapi</u>	2	0.001	0.001	
<u>sym.sym>convertName</u>	6	0.001	0.001	
<u>...ics.illustration.Legend') isa(obj,'matlab.graphics.illustration.ColorBar')</u>	20	0.001	0.001	
<u>Legend.Legend>Legend.set.ColorSpace_I</u>	1	0.001	0.001	
<u>repmat>checkSizesType</u>	2	0.001	0.001	
<u>newplot>ObserveAxesNextPlot</u>	4	0.001	0.001	
<u>table.table>table.table</u>	1	0.001	0.000	
<u>hgbehaviorfactory>localGetBehaviorInfo</u>	2	0.001	0.001	
<u>allchild>getchildren</u>	2	0.001	0.001	
<u>...=1),A,'scalarmtext',fname,'expectedScalarmtext',msgId,argname,argpos)</u>	2	0.001	0.000	
<u>Legend.Legend>Legend.set.SelfListenerList</u>	1	0.001	0.001	
<u>AbstractChartIllustration.setParentImpl</u>	1	0.001	0.001	
<u>graphics\private\clo</u>	1	0.001	0.001	
<u>...ableLegend>AbstractExpandableLegend.AbstractExpandableLegend</u>	1	0.001	0.000	
<u>Legend.Legend>Legend.set.PlotChildrenSpecified</u>	1	0.001	0.001	
<u>syms>splitInputsToArgumentsAndControls</u>	1	0.001	0.001	
<u>AxesLayoutManager.AxesLayoutManager>addInstancePropToAxes</u>	1	0.001	0.001	
<u>Legend.removeAllEntries</u>	1	0.001	0.001	
<u>tabularDimension>tabularDimension.checkDuplicateLabels</u>	1	0.001	0.001	
<u>Legend.Legend>Legend.set.LimitMaxLegendEntries</u>	1	0.001	0.001	
<u>hasbehavior</u>	4	0.001	0.001	
<u>...StackManager.ScribeStackManager>ScribeStackManager.hasLayers</u>	3	0.001	0.001	
<u>Legend.Legend>Legend.set.EntryContainer_I</u>	1	0.001	0.001	
<u>usejava</u>	1	0.001	0.001	
<u>hggetbehavior>localPeek</u>	2	0.001	0.001	
<u>Legend.Legend>Legend.get.Axes_I</u>	3	0.001	0.001	

<u>tabular.tabular>tabular.tabular</u>	1	0.001	0.001	
<u>...outManager.AxesLayoutManager>AxesLayoutManager.setParentImpl</u>	2	0.001	0.001	
<u>attributes>valueAttributor</u>	2	0.001	0.001	
<u>mustBeValidGraphicsObject</u>	4	0.001	0.001	
<u>ChildEventData>ChildEventData.ChildEventData</u>	3	0.001	0.001	
<u>configureRuler</u>	4	0.001	0.001	
<u>...ractChartIllustration>AbstractChartIllustration.AbstractChartIllustration</u>	1	0.001	0.001	
<u>...sInteractionSet>DefaultAxesInteractionSet.DefaultAxesInteractionSet</u>	1	0.001	0.001	
<u>Legend.Legend>Legend.get.AxesListenerList_I</u>	12	0.001	0.001	
<u>PlotEditBehavior.PlotEditBehavior>PlotEditBehavior.dosupport</u>	1	0.001	0.001	
<u>close>getEmptyHandleList</u>	3	0.001	0.001	
<u>convertStringToCharArgs</u>	4	0.001	0.001	
<u>Legend.Legend>Legend.set.CLim_I</u>	1	0.001	0.000	
<u>AnnotationPane.AnnotationPane>AnnotationPane.addChild</u>	2	0.001	0.001	
<u>AnnotationPane.AnnotationPane>AnnotationPane.getParentImpl</u>	6	0.001	0.001	
<u>validatestring>checkInputs</u>	2	0.001	0.001	
<u>rowNamesDim>rowNamesDim.rowNamesDim</u>	1	0.001	0.001	
<u>Legend.Legend>Legend.set.EdgeColor_I</u>	1	0.001	0.001	
<u>fullfile>ensureTrailingFilesep</u>	1	0.001	0.000	
<u>Legend.Legend>Legend.getGraphicsAxes</u>	2	0.001	0.001	
<u>Legend.Legend>Legend.set.AxesListenerListMode</u>	4	0.001	0.001	
<u>sym.sym>sym.charcmd</u>	11	0.001	0.001	
<u>...tackManager.ScribeStackManager>ScribeStackManager.getInstance</u>	1	0.001	0.000	
<u>deal</u>	4	0.001	0.001	
<u>Legend.Legend>Legend.get.Axes</u>	2	0.001	0.000	
<u>ToolbarFactory>ToolbarFactory.getInstance</u>	1	0.001	0.000	
<u>newplot>ObserveFigureNextPlot</u>	4	0.001	0.001	
<u>sym.sqrt</u>	1	0.001	0.000	
<u>settings</u>	2	0.001	0.000	
<u>attributes>findSupportedAttr</u>	2	0.001	0.001	
<u>TableProperties>TableProperties.TableProperties</u>	1	0.001	0.000	
<u>ScribeLayer.ScribeLayer>ScribeLayer.findCanvas</u>	4	0.001	0.001	
<u>sym.sym>sym.isMathematicalConstant</u>	2	0.001	0.000	
<u>getRealData</u>	2	0.001	0.001	
<u>legend>isTextscalar</u>	9	0.001	0.001	
<u>AxesLayoutManager.AxesLayoutManager>setInstancePropOnAxes</u>	1	0.001	0.001	
<u>sym.cos</u>	1	0.001	0.000	
<u>ismissingKernel>arraySwitch</u>	1	0.001	0.001	
<u>Legend.Legend>Legend.get.Camera</u>	5	0.001	0.001	
<u>graph2d\private\labelcheck</u>	2	0.001	0.001	
<u>AbstractScatter.AbstractScatter>AbstractScatter.set.XDataMode</u>	2	0.001	0.000	
<u>fullfile>refinePath</u>	1	0.001	0.001	
<u>Legend.Legend>Legend.get.TitleSeparator</u>	16	0.001	0.001	
<u>...ctScatter.AbstractScatter>AbstractScatter.set.MarkerEdgeColorMode</u>	2	0.001	0.000	
<u>Legend.Legend>Legend.get.BoxEdge</u>	18	0.001	0.001	

<u>getSettingsRoot</u>	2	0.001	0.001	
<u>Legend.Legend>Legend.set.DecorationContainer_I</u>	1	0.001	0.000	
<u>...catter.AbstractScatter>AbstractScatter.set.CurrentIconColorInfoMode</u>	2	0.001	0.000	
<u>CanvasPlugin.CanvasPlugin>CanvasPlugin.CanvasPlugin</u>	1	0.000	0.000	
<u>mpower</u>	5	0.000	0.000	
<u>AbstractScatter.AbstractScatter>AbstractScatter.get.Clipping_I</u>	6	0.000	0.000	
<u>AbstractScatter.AbstractScatter>AbstractScatter.set.CDataMode</u>	2	0.000	0.000	
<u>allchild>@()set(rootobj,'ShowHiddenHandles',Temp)</u>	2	0.000	0.000	
<u>...ModeStrategy>FigureBasedModeStrategy.FigureBasedModeStrategy</u>	1	0.000	0.000	
<u>Scatter.Scatter>Scatter.set.MarkerFaceColor</u>	2	0.000	0.000	
<u>Legend.doPostSetup</u>	1	0.000	0.000	
<u>RandStream.RandStream>getargs</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.get.BoxFace</u>	6	0.000	0.000	
<u>AbstractScatter.AbstractScatter>AbstractScatter.get.SelectionHandle</u>	8	0.000	0.000	
<u>AbstractScatter.AbstractScatter>AbstractScatter.set.YDataMode</u>	2	0.000	0.000	
<u>Legend.Legend>Legend.get.DecorationContainer</u>	6	0.000	0.000	
<u>settings</u>	2	0.000	0.000	
<u>Legend.Legend>Legend.get.ColorSpace</u>	5	0.000	0.000	
<u>fullfile>addTrailingFileSep</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.get.EdgeColor_I</u>	5	0.000	0.000	
<u>Legend.Legend>Legend.get.Box_I</u>	5	0.000	0.000	
<u>...odeStrategy>FigurePointerModeStrategy.FigurePointerModeStrategy</u>	1	0.000	0.000	
<u>metaDim>metaDim.checkReservedNames</u>	1	0.000	0.000	
<u>...a>OuterPositionChangedEventData.OuterPositionChangedEventData</u>	2	0.000	0.000	
<u>leastSquaresFit>getDiag</u>	2	0.000	0.000	
<u>findall>@()set(rootobj,'ShowHiddenHandles',Temp)</u>	1	0.000	0.000	
<u>validateVariableNameLength</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.set.SelfListenerListMode</u>	1	0.000	0.000	
<u>PlotEditBehavior.PlotEditBehavior>PlotEditBehavior.PlotEditBehavior</u>	1	0.000	0.000	
<u>legend>get_legend_properties</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.set.Camera_I</u>	1	0.000	0.000	
<u>checkpvpairs</u>	2	0.000	0.000	
<u>...outManager.AxesLayoutManager>AxesLayoutManager.set.LayoutList</u>	1	0.000	0.000	
<u>gcbf</u>	2	0.000	0.000	
<u>Legend.Legend>Legend.set.PlotChildrenSpecifiedMode</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.get.SelfListenerList</u>	2	0.000	0.000	
<u>Legend.Legend>Legend.get.standalone</u>	1	0.000	0.000	
<u>cell.ismember</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.set.LimitMaxLegendEntriesMode</u>	1	0.000	0.000	
<u>CustomProperties>CustomProperties.CustomProperties</u>	1	0.000	0.000	
<u>isplotyyaxes</u>	2	0.000	0.000	
<u>PrintBehavior>PrintBehavior.PrintBehavior</u>	1	0.000	0.000	
<u>mupadengine.mupadengine>mupadengine.mupadengine</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.set.AxesMode</u>	1	0.000	0.000	
<u>istabular</u>	4	0.000	0.000	

<u>expandLegendChildren</u> @(x)isa(x,'matlab.graphics.primitive.Group')	4	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.get.EdgeColor</u>	2	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.get.LineWidth</u> _I	4	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.get.EntryContainer</u>	3	0.000	0.000
<u>AbstractScatter</u> . <u>AbstractScatter</u> > <u>AbstractScatter.get.JitterDirty</u> _I	4	0.000	0.000
<u>syms</u> > <u>mustBeCompatibleControl</u>	1	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.get.DataSpace</u>	4	0.000	0.000
<u>close</u> > <u>checkfigs</u>	2	0.000	0.000
<u>sym.reshape</u> @(x)isequal(x,'#COLON')	4	0.000	0.000
<u>RandStream</u> . <u>RandStream</u> > <u>RandStream.algName</u>	1	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.get.SelfListenerList</u> _I	3	0.000	0.000
... <u>isa</u> (x,'string')&&isscalar(x)&&~ismissing(x) (<u>ischar</u> (x)&&size(x,1)<=1)	2	0.000	0.000
<u>isPublishingTest</u>	2	0.000	0.000
<u>BaseInteractionSet</u> > <u>BaseInteractionSet.BaseInteractionSet</u>	1	0.000	0.000
<u>uitools\private\allchildRootHelper</u>	2	0.000	0.000
<u>hasDisplay</u>	2	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.getAxesImpl</u>	3	0.000	0.000
<u>configureAxes</u> > <u>doesClassHaveDedicatedRuler</u>	4	0.000	0.000
<u>legend</u> > <u>istextscalarvector</u>	4	0.000	0.000
<u>isFigureShowEnabled</u>	2	0.000	0.000
<u>sym.horzcat</u> @(x)x.s	3	0.000	0.000
<u>AbstractScatter</u> . <u>AbstractScatter</u> > <u>AbstractScatter.get.LineWidth</u> _I	4	0.000	0.000
... <u>ager</u> . <u>ScribeStackManager</u> > <u>ScribeStackManager.ScribeStackManager</u>	1	0.000	0.000
<u>TabularProperties</u> > <u>TabularProperties.TabularProperties</u>	1	0.000	0.000
<u>numberedNames</u>	1	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.set.AxesListenerList</u> _I	4	0.000	0.000
<u>PrintBehavior</u> > <u>PrintBehavior.dosupport</u>	1	0.000	0.000
<u>Legend.doMethod</u> > <u>setButtonDownFcn</u>	1	0.000	0.000
<u>ScribeLayer</u> . <u>ScribeLayer</u> > <u>ScribeLayer.checkValidity</u>	1	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.get.AxesListenerListMode</u>	4	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.get.SelectionHandle</u>	3	0.000	0.000
... <u>actScatter</u> . <u>AbstractScatter</u> > <u>AbstractScatter.get.CurrentIconColorInfo</u> _I	2	0.000	0.000
<u>RedefinesDot</u> . <u>RedefinesDot</u> > <u>RedefinesDot.RedefinesDot</u>	1	0.000	0.000
<u>saveLoadCompatibility</u> > <u>saveLoadCompatibility.saveLoadCompatibility</u>	3	0.000	0.000
<u>ToolbarFactory</u> > <u>ToolbarFactory.ToolbarFactory</u>	1	0.000	0.000
<u>tabularDimension</u> > <u>tabularDimension.tabularDimension</u>	3	0.000	0.000
... <u>dCall</u> > <u>OverridesPublicDotMethodCall.OverridesPublicDotMethodCall</u>	1	0.000	0.000
<u>mat2str</u> > <u>isenumeration</u>	1	0.000	0.000
<u>varNamesDim</u> > <u>varNamesDim.orientAs</u>	1	0.000	0.000
<u>AbstractScatter</u> . <u>AbstractScatter</u> > <u>AbstractScatter.get.MarkerEdgeColor</u> _I	2	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.set.version</u>	1	0.000	0.000
<u>istabular</u>	1	0.000	0.000
<u>AbstractScatter</u> . <u>AbstractScatter</u> > <u>AbstractScatter.set.MarkerEdgeColor</u> _I	2	0.000	0.000
... <u>ctScatter</u> . <u>AbstractScatter</u> > <u>AbstractScatter.get.MarkerEdgeColorMode</u>	2	0.000	0.000
<u>Legend.Legend</u> > <u>Legend.get.Color</u> _I	2	0.000	0.000

<u>Scatter.Scatter>Scatter.set.MarkerFaceColorMode</u>	2	0.000	0.000	
<u>...catter.AbstractScatter>AbstractScatter.get.CurrentIconColorInfoMode</u>	2	0.000	0.000	
<u>AbstractScatter.AbstractScatter>AbstractScatter.get.XDataMode</u>	2	0.000	0.000	
<u>HGBehavior>HGBehavior.HGBehavior</u>	2	0.000	0.000	
<u>sym.sym>constantIdsents</u>	2	0.000	0.000	
<u>IconColorInfoCache>IconColorInfoCache.IconColorInfoCache</u>	2	0.000	0.000	
<u>Legend.Legend>Legend.get.LimitMaxLegendEntries_I</u>	1	0.000	0.000	
<u>AbstractScatter.AbstractScatter>AbstractScatter.get.CDataMode</u>	2	0.000	0.000	
<u>syms>isAssumptionOrControlFlag</u>	1	0.000	0.000	
<u>AbstractScatter.AbstractScatter>AbstractScatter.get.YDataMode</u>	2	0.000	0.000	
<u>...actScatter.AbstractScatter>AbstractScatter.set.CurrentIconColorInfo_I</u>	2	0.000	0.000	
<u>...outManager.AxesLayoutManager>AxesLayoutManager.getParentImpl</u>	3	0.000	0.000	
<u>PointerModeStrategy>PointerModeStrategy.PointerModeStrategy</u>	1	0.000	0.000	
<u>...actionContainer>TextInteractionContainer.getDefaultInteractionsArray</u>	2	0.000	0.000	
<u>Legend.Legend>Legend.get.standalone_I</u>	1	0.000	0.000	
<u>scatter>localCheckXYForZeroDim</u>	2	0.000	0.000	
<u>PointerMixin>PointerMixin.PointerMixin</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.get.TextColor_I</u>	1	0.000	0.000	
<u>metaDim>metaDim.orientAs</u>	1	0.000	0.000	
<u>tabularDimension>tabularDimension.checkReservedNamesImpl</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.set.SelfListenerList_I</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.get.SelfListenerListMode</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.get.LimitMaxLegendEntriesMode</u>	1	0.000	0.000	
<u>AbstractModeStrategy>AbstractModeStrategy.AbstractModeStrategy</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.get.AxesMode</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.get.PlotChildrenSpecifiedMode</u>	1	0.000	0.000	
<u>...otParen.RedefinesDotParen>RedefinesDotParen.RedefinesDotParen</u>	1	0.000	0.000	
<u>symfun.symfun>symfun.delete</u>	1	0.000	0.000	
<u>RedefinesParen.RedefinesParen>RedefinesParen.RedefinesParen</u>	1	0.000	0.000	
<u>RedefinesBrace.RedefinesBrace>RedefinesBrace.RedefinesBrace</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.setDataSpace_IFanoutProps</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.setCamera_IFanoutProps</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.setSelectionHandle_IFanoutProps</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.setColorSpace_IFanoutProps</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.setEntryContainer_IFanoutProps</u>	1	0.000	0.000	
<u>Legend.Legend>Legend.setDecorationContainer_IFanoutProps</u>	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.