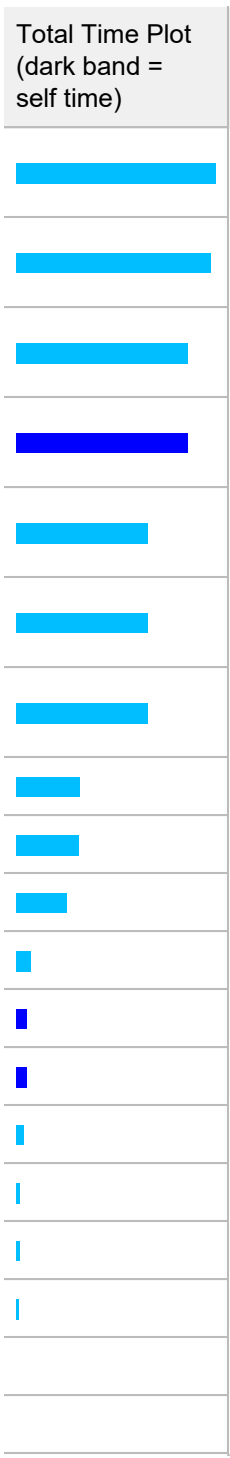


Profile Summary

Generated 12-Feb-2017 06:08:05 using performance time.

Function Name	Calls	Total Time	Self Time*
GlycerolEthanolOptknock_iaf1260	1	2217.146 s	0.324 s
cplexTL	19300	2160.761 s	8.857 s
cplex	19300	1903.368 s	5.108 s
cplexmex (MEX-file)	19300	1897.856 s	1895.829 s
OptKnock	1	1472.910 s	0.113 s
solveCobraMILP	1	1472.725 s	1.753 s
tomRun	1	1470.965 s	0.119 s
solveCobraLP	19299	719.059 s	8.477 s
pFBA	1	690.056 s	0.106 s
fluxVariability	4	564.023 s	2.277 s
optimizeCbModel	3541	160.297 s	0.906 s
endSolveMini	19300	120.505 s	119.986 s
iniSolveMini	19300	118.928 s	118.928 s
singleRxnDeletion	1	90.758 s	0.090 s
multiProductionEnvelope	1	36.997 s	0.128 s
singleGeneDeletion	1	34.861 s	0.105 s
lpAssign	19299	13.546 s	1.756 s
ProbDef	19300	9.837 s	7.377 s
readCbModel	1	8.338 s	0.048 s



readSBML	1	8.260 s	2.117 s
productionEnvelope	1	7.698 s	0.196 s
deleteModelGenes	1261	3.797 s	2.963 s
getCobraSolverParams	26377	3.402 s	3.402 s
DefPar	517558	3.114 s	2.284 s
parseSBMLNotesField	2382	2.958 s	2.182 s
waitbar	343	2.814 s	1.701 s
optParamDef	19300	2.624 s	2.149 s
ResultDef	19300	2.429 s	2.429 s
StateDef	19300	2.066 s	2.066 s
cell.ismember	4741	1.972 s	1.139 s
str2num	40091	1.681 s	0.645 s
defblbu	19300	1.601 s	1.601 s
plottools	1	1.585 s	0.529 s
readSBML>readSBMLCbModel	1	1.470 s	0.001 s
TranslateSBML (MEX-file)	1	1.469 s	1.334 s
tomlablic (MEX-file)	788	1.327 s	1.327 s
legend	2	1.297 s	0.007 s
rmfield	19299	1.291 s	1.024 s
legend>make_legend	1	1.143 s	0.048 s
cell.unique	8711	1.057 s	0.219 s
str2num>protected_conversion	40091	1.037 s	1.037 s
waitbar>createWaitbar	2	0.966 s	0.864 s
changeRxnBounds	3385	0.937 s	0.126 s
findRxnIDs	3661	0.893 s	0.296 s
cell.unique>celluniqueR2012a	8711	0.838 s	0.838 s
getfield	73668	0.830 s	0.830 s

LineParamDef	19300	0.812 s	0.812 s
etime	42141	0.809 s	0.809 s
tomFiles	19300	0.797 s	0.797 s
checkAssign	19300	0.795 s	0.795 s
parseBoolean	2382	0.776 s	0.486 s
verifyCobraProblem	3541	0.655 s	0.435 s
getplottool	1	0.624 s	0.001 s
getplottool>createOrGetSelectionManager	1	0.621 s	0.151 s
Legend.Legend>Legend.Legend	1	0.527 s	0.076 s
cpx2retvec	19300	0.523 s	0.523 s
checkType	38601	0.493 s	0.493 s
SOLGet	19300	0.475 s	0.475 s
findTransRxns	1	0.475 s	0.075 s
graph2dhelper	21	0.433 s	0.109 s
Legend.doSetup	1	0.430 s	0.099 s
getplottool>localEnablePlotEdit	1	0.392 s	0.021 s
plotedit	5	0.381 s	0.027 s
selectobject	1	0.370 s	0.025 s
plotedit>localGetMode	6	0.324 s	0.156 s
num2str	11376	0.323 s	0.096 s
ismember	5039	0.321 s	0.044 s
parseMetNames	1669	0.313 s	0.123 s
cellstr	20563	0.282 s	0.282 s
ismember>ismemberR2012a	5039	0.277 s	0.118 s
testOptKnockSol	1	0.236 s	0.001 s
int2str	11376	0.226 s	0.226 s
readSBML>cleanUpFormatting	5718	0.220 s	0.220 s

Legend.Legend>Legend.set.Axes	1	0.217 s	0.000 s
Legend.Legend>Legend.set.Axes_1	1	0.217 s	0.000 s
Legend.Legend>Legend.setAxesImpl	1	0.216 s	0.061 s
Legend.doMethod	2	0.211 s	0.002 s
Legend.doMethod>set_contextmenu	1	0.209 s	0.094 s
uimode.uimode>uimode.set.Enable	2	0.206 s	0.009 s
uimode.modeControl	2	0.205 s	0.003 s
uitools\private\uiwaitbar	343	0.204 s	0.050 s
showplottool	3	0.202 s	0.038 s
hgfeval	2	0.190 s	0.001 s
pFBA>minimizeModelFlux_local	1	0.183 s	0.041 s
cpxcb_INCUMBENT	11	0.177 s	0.164 s
deal	38621	0.176 s	0.176 s
legend>set_children_and_strings	1	0.175 s	0.026 s
setupplotbrowser	1	0.172 s	0.001 s
legend>find_legend	2	0.167 s	0.167 s
cplexStatus	19300	0.166 s	0.166 s
setupplotbrowser>repopulatePlotBrowser	1	0.156 s	0.044 s
strtok	9109	0.154 s	0.047 s
parseSBMLAnnotationField	1668	0.152 s	0.152 s
legend>getLegendableChildren	1	0.149 s	0.000 s
scribe\private\get_legendable_children	3	0.149 s	0.085 s
legendcolorbarlayout	1	0.149 s	0.092 s
ismember>ismemberBuiltinTypes	5026	0.148 s	0.148 s
plotbrowser	1	0.144 s	0.005 s
legend>delete_legend	1	0.141 s	0.002 s
enableplottoolbuttons	5	0.138 s	0.008 s

Legend.doSetup>@(h.e)hObj.doDelete	1	0.138 s	0.020 s
CheckAndConvert	2382	0.134 s	0.074 s
cell.strcat	1263	0.129 s	0.114 s
plottoolfunc	10	0.122 s	0.017 s
Legend.doDelete	1	0.118 s	0.001 s
hggetbehavior	6	0.115 s	0.002 s
waitbar>updateWaitbar	341	0.113 s	0.010 s
hggetbehavior>localGet	2	0.112 s	0.029 s
gra...te\plotSelectMode>localStartFcn	1	0.110 s	0.018 s
findall	55	0.107 s	0.085 s
strtok>doStrtok	9109	0.107 s	0.107 s
findCarbonRxns	1	0.101 s	0.024 s
close	2	0.101 s	0.004 s
newplot	3	0.097 s	0.026 s
close>request_close	2	0.095 s	0.011 s
scribe\private\updateLegendMenuToolbar	2	0.092 s	0.045 s
changeObjective	272	0.090 s	0.012 s
awtinvoke	5	0.086 s	0.066 s
plottoolfunc>getClientFigureMap	1	0.086 s	0.069 s
uimode	4	0.084 s	0.029 s
hgbehaviorfactory	2	0.083 s	0.000 s
javacomponent	2	0.083 s	0.028 s
hgbehaviorfactory>localCreate	2	0.083 s	0.081 s
xlabel	2	0.082 s	0.070 s
plottedit>localModeStartFcn	1	0.079 s	0.005 s
...toolbuttons>localSetToolBarButtons	5	0.078 s	0.008 s
convertTolrreversible	2	0.075 s	0.073 s

uigettool	27	0.075 s	0.036 s
closereq	2	0.074 s	0.062 s
javax.swing.JProgressBar (Java method)	359	0.072 s	0.072 s
...Manager>AxesLayoutManager.doUpdate	6	0.072 s	0.041 s
ylabel	2	0.067 s	0.046 s
newplot>ObserveAxesNextPlot	3	0.067 s	0.019 s
...e\plotSelectMode>localFigureSelect	2	0.063 s	0.003 s
gra...private\createMCOSSelectionHandles	2	0.060 s	0.034 s
allchild	37	0.058 s	0.037 s
setupplotbrowser>refreshAxes	1	0.055 s	0.004 s
uitools\private\javacomponentdoc_helper	2	0.054 s	0.001 s
scribe\private\findAllScribeLayers	1	0.054 s	0.005 s
CheckAndConvert>SortLogicals	2382	0.054 s	0.017 s
graph2d\private\plotSelectMode	1	0.052 s	0.031 s
scribe\private\getDefaultCamera	2	0.050 s	0.018 s
cla	2	0.048 s	0.042 s
uimode.createuimode	4	0.042 s	0.030 s
uigetmodemanager	19	0.040 s	0.023 s
addReaction	1	0.040 s	0.030 s
desktop	1	0.039 s	0.038 s
getuimode	6	0.038 s	0.005 s
figurepalette	1	0.036 s	0.000 s
...anager>AxesLayoutManager.addToTree	1	0.035 s	0.019 s
...t:ScribeStackManager.getDefaultCamera	4	0.034 s	0.001 s
...anager>ScribeStackManager.getLayer	4	0.033 s	0.002 s
...ntdoc_helper>applyArgumentsAndShow	2	0.032 s	0.031 s
columnVector	7227	0.031 s	0.031 s

flipud	7	0.031 s	0.027 s
checkCobraModelUnique	1	0.030 s	0.002 s
...ger>ScribeStackManager.createLayer	1	0.029 s	0.019 s
hold	3	0.029 s	0.027 s
countUnique	2	0.028 s	0.023 s
removeRxns	2	0.027 s	0.009 s
propertyeditor	1	0.027 s	0.000 s
scribe\private\createScribeUIMenuEntry	10	0.027 s	0.005 s
axis	3	0.026 s	0.023 s
...>SelectionHandles.SelectionHandles	2	0.026 s	0.013 s
setupplotbrowser>localGetAxesChildren	2	0.025 s	0.004 s
plottools\private\javaGetFigureFrame	18	0.025 s	0.025 s
scribe\private\islegendable	6	0.025 s	0.023 s
createMenuPeers	4	0.025 s	0.025 s
setupplotbrowser>localCache	1	0.024 s	0.008 s
CheckAndConvert>CheckLogical	7146	0.024 s	0.024 s
createBilevelMILPproblem	1	0.024 s	0.023 s
...browser>updatePropertiesForObjects	1	0.022 s	0.005 s
...nager>AxesLayoutManager.getManager	1	0.022 s	0.007 s
javaAddLsnrsToFigure	1	0.021 s	0.005 s
unique	15	0.020 s	0.007 s
...esLayoutManager.updateInnerOuterLists	6	0.019 s	0.005 s
plottedit>update_edit_menu	2	0.019 s	0.004 s
waitbar>extractHandles	341	0.019 s	0.019 s
setupplotbrowser>addSceneViewerListeners	2	0.018 s	0.005 s
setupplotbrowser>localGetPropVals	24	0.018 s	0.016 s
...anager>uimodemanager.uimodemanager	1	0.017 s	0.012 s

activateuimode	1	0.017 s	0.001 s
ispref	5	0.017 s	0.003 s
...nHandles>SelectionHandles.doUpdate	1	0.017 s	0.002 s
cell.setdiff	4	0.016 s	0.001 s
findGenesFromRxns	2	0.016 s	0.013 s
...ager>uimodemanager.set.CurrentMode	1	0.015 s	0.000 s
uimodemanager.uimodemanager>localSetMode	1	0.015 s	0.001 s
cell.setdiff>cellsetdiffR2012a	4	0.015 s	0.011 s
setListenerState	22	0.015 s	0.009 s
...tManager.removeInvalidLayoutListItems	6	0.015 s	0.005 s
...c_helper>parseAndValidateArguments	2	0.015 s	0.000 s
usejava	351	0.014 s	0.014 s
gra...vate\plotSelectMode>setSelected	1	0.014 s	0.001 s
setdiff	3	0.014 s	0.001 s
...tdoc_helper>validateSwingComponent	2	0.014 s	0.014 s
uitools\private\prefutils	20	0.014 s	0.004 s
onCleanup>onCleanup.delete	102	0.014 s	0.003 s
...vd)(localFigureSelect(obj.evd.hMode))	1	0.013 s	0.000 s
scribe\private\expandLegendChildren	3	0.013 s	0.013 s
allchild>getchildren	37	0.013 s	0.011 s
unique>uniqueR2012a	15	0.013 s	0.013 s
repmat	40	0.013 s	0.013 s
setdiff>setdiffR2012a	3	0.013 s	0.002 s
...electionHandles.getSelectionMarkerPos	1	0.013 s	0.008 s
graph2d\private\scribeCreateMode	1	0.012 s	0.001 s
CheckAndConvert>LoseWhiteSpace	2382	0.012 s	0.012 s
uitools\private\parseJavaArgs	5	0.012 s	0.004 s

...@o.e.deleteComponent(o.e.hcomponent)	2	0.011 s	0.000 s
...>AxesLayoutManager.insertAboveAxes	1	0.011 s	0.006 s
...omponentdoc_helper>deleteComponent	2	0.011 s	0.005 s
ProbCheck	1	0.011 s	0.006 s
ismember>ismemberClassTypes	13	0.011 s	0.011 s
close>request_close_helper	4	0.010 s	0.003 s
plottoolfunc>enablePlotToolButton	2	0.010 s	0.001 s
removeMetabolites	2	0.010 s	0.004 s
findExcRxns	3	0.010 s	0.010 s
uimode.registerMode	3	0.009 s	0.001 s
graph2d\private\scribePinMode	1	0.009 s	0.001 s
...browser>localGetAllGraphicChildren	1	0.009 s	0.001 s
uimode.modeControl>localStartMode	2	0.009 s	0.007 s
...>showHiddenHandlesToFindAllHandles	55	0.009 s	0.009 s
...beUIMenuEntry>localCreateEnumEntry	3	0.009 s	0.008 s
...enuEntry>localCreateLineWidthEntry	1	0.008 s	0.000 s
...ibeUIMenuEntry>localCreateNumEntry	1	0.008 s	0.006 s
...cribeLayer>ScribeLayer.ScribeLayer	2	0.008 s	0.005 s
uimode.uimode>uimode.set.ParentMode	3	0.008 s	0.000 s
...les>SelectionHandles.setParentImpl	2	0.008 s	0.004 s
uimode.uimode>localReparentMode	3	0.008 s	0.002 s
com.mathworks.page.plottool.PlotBrowser (Java method)	9	0.008 s	0.007 s
uit...ate\parseJavaArgs>convertToJava	10	0.008 s	0.007 s
uitools\private\prefutils>loadPrefs	5	0.008 s	0.006 s
UnsupportedInUifigure	4	0.008 s	0.004 s
uitools\private\parseJavaSignature	5	0.008 s	0.008 s

...ger.AxesLayoutManager>convertUnits	54	0.007 s	0.007 s
...r>AxesLayoutManager.ValidateObject	1	0.007 s	0.001 s
createListener	27	0.007 s	0.007 s
...plottool.plotbrowser.PlotBrowserEntry (Java method)	2	0.007 s	0.007 s
CheckAndConvert>IsItLogBase	2382	0.007 s	0.007 s
...tbrowser>updatePropertiesForObject	1	0.007 s	0.001 s
getselectobjects	1	0.006 s	0.001 s
...ode>uimode.set.WindowButtonDownFcn	3	0.006 s	0.005 s
uitools\private\removeJavaCallbacks	2	0.006 s	0.005 s
readSBML>columnVector	15	0.006 s	0.006 s
Legend.attachAxesListeners	1	0.005 s	0.002 s
...set(rootobj.'ShowHiddenHandles'.Temp)	55	0.005 s	0.005 s
enableplottoolbuttons>isCompVisible	15	0.005 s	0.004 s
optParamSet	1	0.005 s	0.000 s
...ponentdoc_helper>enableAutoCleanup	2	0.005 s	0.002 s
scribe\private\findScribelayer	1	0.005 s	0.000 s
legend>process_inputs	1	0.004 s	0.004 s
setConstraintsIrrevModel	1	0.004 s	0.003 s
Legend.setupBoxEdge	1	0.004 s	0.003 s
...set(rootobj.'ShowHiddenHandles'.Temp)	37	0.004 s	0.004 s
graphics\private\clo	2	0.004 s	0.004 s
...nPane>AnnotationPane.doGetChildren	12	0.004 s	0.004 s
...nager>AxesLayoutManager.findMethod	4	0.004 s	0.004 s
printRxnFormula	1	0.004 s	0.004 s
...localPlotFunctionDone(obj.evd.hMode))	2	0.004 s	0.000 s
gobjects	6	0.004 s	0.004 s

flip	7	0.004 s	0.004 s
...per('updateLegendMenuToolbar'.h.e.[])	1	0.004 s	0.000 s
selectobject>setSelected	1	0.004 s	0.004 s
...ry>localCreateTextInterpreterEntry	1	0.004 s	0.001 s
cell.intersect	1	0.004 s	0.001 s
...nPane>AnnotationPane.getParentImpl	54	0.003 s	0.003 s
graph2d\private\addContainerListeners	1	0.003 s	0.001 s
...otSelectionMode>localPlotFunctionDone	2	0.003 s	0.002 s
scribe\private\getplotmanager	3	0.003 s	0.003 s
...browser>removeSceneViewerListeners	1	0.003 s	0.002 s
...ostUpdate(es.ed.selectionManager.fig)	2	0.003 s	0.000 s
is2D	1	0.003 s	0.000 s
...vacomponentdoc_helper>savelistener	2	0.003 s	0.003 s
linspace	2	0.003 s	0.003 s
markFigure	6	0.003 s	0.003 s
setupplotbrowser>localGetAllPropNames	4	0.003 s	0.003 s
convertIrrevFluxDistribution	1	0.003 s	0.003 s
...er>@(h.e)localReparentCB(h.e.hObj)	1	0.003 s	0.000 s
is2D>testOneAxes	1	0.003 s	0.003 s
cell.intersect>cellintersectR2012a	1	0.003 s	0.002 s
...e\doRetargetSelectionManagerListeners	2	0.003 s	0.002 s
...onManagerListeners>localPostUpdate	2	0.003 s	0.003 s
mipAssign	1	0.003 s	0.002 s
...utManager>AxesLayoutManager.is2Dim	6	0.003 s	0.003 s
...ionHandles.setDefaultMarkerProperties	2	0.003 s	0.002 s
...dles>SelectionHandles.convertUnits	8	0.003 s	0.003 s
...ager.addAxesListeners/localReparentCB	1	0.003 s	0.003 s

...uimodemanager>localScribeclearmode	1	0.003 s	0.002 s
isactiveuimode	3	0.003 s	0.001 s
opaque.strcmp	5	0.003 s	0.001 s
uimode.uimode>uimode.set.UseContextMenu	1	0.003 s	0.002 s
...otbrowser>localGetUniqueClassNames	1	0.002 s	0.000 s
uimode.activateuimode	1	0.002 s	0.001 s
...Pane>AnnotationPane.AnnotationPane	1	0.002 s	0.001 s
num2cell	11	0.002 s	0.002 s
...ectMode>localAddSelectionListeners	1	0.002 s	0.001 s
uimode.getuimode	8	0.002 s	0.002 s
...t:AxesLayoutManager.AxesLayoutManager	1	0.002 s	0.000 s
UnsupportedInUifigure>isWebFigure	4	0.002 s	0.002 s
changeGeneAssociation	1	0.002 s	0.001 s
getpixelposition	1	0.002 s	0.002 s
Legend.Legend>Legend.set.ColorSpace_I	1	0.002 s	0.002 s
uimodemanager.getMode	8	0.002 s	0.002 s
uitools\private\allchildRootHelper	37	0.002 s	0.002 s
Legend.Legend>Legend.get.Position_I	1	0.002 s	0.000 s
...r>AxesLayoutManager.set.LayoutList	7	0.002 s	0.002 s
Legend.Legend>Legend.set.DataSpace_I	1	0.002 s	0.002 s
opaque.char	12	0.002 s	0.002 s
...nager>ScribeStackManager.findLayer	9	0.002 s	0.002 s
now	1	0.002 s	0.001 s
validatestring	3	0.002 s	0.001 s
com.mathworks.mde.desk.MLDesktop (Java method)	29	0.002 s	0.002 s
uimode.modeControl>localPrepareFigure	2	0.002 s	0.002 s

Legend.Legend>Legend.getPositionImpl	1	0.002 s	0.002 s
axis>LocSetTight	3	0.002 s	0.002 s
...Manager>AxesLayoutManager.set.Axes	1	0.002 s	0.000 s
...dles>SelectionHandles.set.Position	1	0.002 s	0.001 s
...egend>Legend.set.SelectionHandle_I	1	0.002 s	0.001 s
Legend.doMethod>@(h.e)delete(uic)	1	0.002 s	0.002 s
uitools\private\prefutils>getPrefFile	5	0.002 s	0.001 s
Legend.doGetChildren	8	0.002 s	0.002 s
hasuimode	1	0.002 s	0.000 s
...Legend>Legend.get.AxesListenerList	6	0.002 s	0.001 s
selectobject>localCanPaste	1	0.002 s	0.000 s
Legend.Legend>Legend.set.BoxFace_I	1	0.002 s	0.001 s
...Legend>Legend.set.AxesListenerList	3	0.002 s	0.001 s
...otationPane>AnnotationPane.doSetup	1	0.002 s	0.001 s
hasbehavior	6	0.002 s	0.002 s
...end>Legend.get.DecorationContainer	6	0.002 s	0.001 s
javaAddLsnrsToFigure>selectionLsnr	1	0.002 s	0.001 s
...rowser>localCombineCellArrayColumns	4	0.002 s	0.002 s
@opaque\private\fromOpaque	10	0.001 s	0.001 s
datenum	1	0.001 s	0.001 s
...gt;AxesLayoutManager.addAxesListeners	1	0.001 s	0.001 s
Legend.Legend>Legend.get.Axes	3	0.001 s	0.000 s
...UIMenuEntry>localCreateActionEntry	3	0.001 s	0.001 s
...>getInterestPropertyNamesForObject	2	0.001 s	0.001 s
Legend.Legend>Legend.get.BoxEdge	16	0.001 s	0.001 s
hggetbehavior>localPeek	6	0.001 s	0.001 s
Legend.Legend>Legend.get.Camera	5	0.001 s	0.001 s

...ndles>SelectionHandles.set.Markers	2	0.001 s	0.001 s
onCleanup>onCleanup.onCleanup	102	0.001 s	0.001 s
uit...vate\prefutills>getFieldOptional	5	0.001 s	0.001 s
Legend.Legend>Legend.get.Axes_1	4	0.001 s	0.001 s
com.mathworks.hg.peer.HG2FigurePeer (Java method)	30	0.001 s	0.001 s
graphics\private\claNotify	2	0.001 s	0.001 s
close>checkfigs	6	0.001 s	0.001 s
uimodemanager.unregisterMode	3	0.001 s	0.001 s
Legend.Legend>Legend.get.TitleSeparator	14	0.001 s	0.001 s
Legend.Legend>Legend.get.BoxFace	5	0.001 s	0.001 s
Legend.Legend>Legend.set.BoxEdge_1	1	0.001 s	0.001 s
...ager>AxesLayoutManager.addToLayout	1	0.001 s	0.001 s
...>@(obj,evd)(hObj.MarkDirty('all'))	5	0.001 s	0.001 s
ishold	3	0.001 s	0.001 s
hgbehaviorfactory>localGetBehaviorInfo	2	0.001 s	0.001 s
Legend.Legend>Legend.get.ColorSpace	5	0.001 s	0.001 s
...browser>getNearestKnownParentClass	4	0.001 s	0.001 s
...inerFactory\$FigurePanelContainerLight (Java method)	3	0.001 s	0.001 s
...Legend>Legend.set.EntryContainer_1	1	0.001 s	0.001 s
Legend.Legend>Legend.set.Camera_1	1	0.001 s	0.001 s
...ayoutManager>addInstancePropToAxes	1	0.001 s	0.001 s
...Legend>Legend.set.TitleSeparator_1	1	0.001 s	0.001 s
...d>Legend.set.DecorationContainer_1	1	0.001 s	0.001 s
...es>SelectionHandles.set.TrueParent	2	0.001 s	0.001 s
selMatrix	3	0.001 s	0.001 s
...ContainerListeners>localChildAdded	1	0.001 s	0.001 s

plottoolfunc>getFigureClientProxy	1	0.001 s	0.001 s
...hworks.hg_peer.FigureClientProxyPanel (Java method)	3	0.001 s	0.001 s
...er>customizeSwingHandleForPainting	2	0.001 s	0.001 s
Legend.Legend>Legend.getDataSpace	4	0.001 s	0.001 s
...doMethod>@(x)getString(message(x))	7	0.001 s	0.001 s
java.lang.Class (Java method)	92	0.001 s	0.001 s
...ibeLayer>ScribeLayer.checkValidity	3	0.001 s	0.001 s
readCbModel>checkReversibility	1	0.001 s	0.001 s
...:SelectionHandles.setMarkerProperties	2	0.001 s	0.001 s
...doAddFigureSelectionManagerListeners	1	0.001 s	0.001 s
plottoolfunc>preventFigureClose	2	0.001 s	0.001 s
Legend.setParentImpl	1	0.001 s	0.000 s
...eUIMenuEntry>localCreateColorEntry	2	0.001 s	0.001 s
refresh	1	0.001 s	0.001 s
...Legend>Legend.set.SelfListenerList	1	0.001 s	0.000 s
validatestring>checkString	3	0.001 s	0.001 s
plottools\private\getLegendableImages	2	0.001 s	0.001 s
Legend.removeAllEntries	1	0.001 s	0.001 s
...nager>ScribeStackManager.hasLayers	1	0.001 s	0.000 s
...er>AxesLayoutManager.getParentImpl	100	0.001 s	0.001 s
Legend.Legend>Legend.set.CLim_I	1	0.001 s	0.001 s
...Handles>SelectionHandles.set.Lines	2	0.001 s	0.001 s
is octave	1	0.001 s	0.001 s
...sLayoutManager.syncLayoutInfoFromAxes	6	0.001 s	0.001 s
...ndles>SelectionHandles.get.Markers	12	0.001 s	0.001 s
...tationPane>AnnotationPane.addChild	3	0.001 s	0.001 s

...d>Legend.get.DecorationContainer_I	7	0.001 s	0.001 s
Legend.Legend>Legend.set.EdgeColor_I	1	0.001 s	0.001 s
PlotManager>PlotManager.getInstance	2	0.001 s	0.001 s
...gend>Legend.get.AxesListenerList_I	9	0.001 s	0.001 s
Legend.Legend>Legend.get.Camera_I	6	0.001 s	0.001 s
...es>SelectionHandles.get.TrueParent	14	0.001 s	0.001 s
...nd>Legend.set.AxesListenerListMode	3	0.001 s	0.001 s
gcbf	4	0.001 s	0.001 s
Legend.Legend>Legend.get.BoxEdge_I	17	0.001 s	0.001 s
graph2d\private\labelcheck	4	0.001 s	0.001 s
javaGetHandles	2	0.001 s	0.001 s
uimode.setCallbackFcn	5	0.001 s	0.001 s
...Legend>Legend.get.TitleSeparator_I	15	0.001 s	0.001 s
close>getEmptyHandleList	2	0.001 s	0.001 s
...empty(get(h.'PlotSelectionListener'))	4	0.001 s	0.001 s
getselectobjects>localFixSelectedObjs	1	0.001 s	0.001 s
...fo>MenuToolbarInfo.MenuToolbarInfo	1	0.001 s	0.001 s
Legend.Legend>Legend.get.EntryContainer	3	0.001 s	0.000 s
PrintResult	1	0.001 s	0.001 s
Legend.Legend>Legend.get.ColorSpace_I	6	0.001 s	0.001 s
Legend.Legend>Legend.get.DataSpace_I	5	0.001 s	0.001 s
Legend.Legend>Legend.get.EdgeColor	4	0.001 s	0.000 s
...futils>checkAndConvertToCellVector	5	0.001 s	0.001 s
...les>SelectionHandles.isUIContainer	4	0.001 s	0.001 s
Legend.Legend>Legend.get.BoxFace_I	6	0.001 s	0.001 s
...beUIMenuEntry>localCreateFontEntry	1	0.001 s	0.001 s
mkbound	1	0.001 s	0.001 s

scribeclearmode	1	0.001 s	0.001 s
legend>istextscalar	6	0.001 s	0.001 s
Legend.Legend>Legend.get.SelectionHandle	3	0.001 s	0.000 s
axescheck	3	0.001 s	0.001 s
fliplr	6	0.001 s	0.001 s
...otbrowser>createPostUpdateListener	3	0.001 s	0.001 s
newplot>ObserveFigureNextPlot	3	0.000 s	0.000 s
...ayoutManager>setInstancePropOnAxes	1	0.000 s	0.000 s
javachk	1	0.000 s	0.000 s
uimode.hasuimode	3	0.000 s	0.000 s
uit...vate\prefutils>truncToMaxLength	5	0.000 s	0.000 s
...figure>@().lastwarn(lastmsg.lastid)	4	0.000 s	0.000 s
...t:ScribeStackManager.reparentChildren	1	0.000 s	0.000 s
tomlabVersion	1	0.000 s	0.000 s
UnsupportedInUifigure>@().warning(w)	4	0.000 s	0.000 s
filesep	5	0.000 s	0.000 s
Legend.Legend>Legend.get.EdgeColor_l	5	0.000 s	0.000 s
...ger>ScribeStackManager.getInstance	1	0.000 s	0.000 s
scribe\private\isplotyyaxes	4	0.000 s	0.000 s
adddatadlg	1	0.000 s	0.000 s
...Legend>Legend.get.SelfListenerList	2	0.000 s	0.000 s
...nPane>AnnotationPane.setParentImpl	1	0.000 s	0.000 s
scribe\private\hgcheck	1	0.000 s	0.000 s
Legend.Legend>Legend.getGraphicsAxes	2	0.000 s	0.000 s
Legend.Legend>Legend.get.Box_l	5	0.000 s	0.000 s
...lotSelectionMode>localFixSelectedObjs	1	0.000 s	0.000 s
uitools\private\getPixelPositionHelper	1	0.000 s	0.000 s

repmat>@(x)double(full(x))	22	0.000 s	0.000 s
...ddenHandles'.oldUDDShowHiddenHandles)	2	0.000 s	0.000 s
Legend.Legend>Legend.set.AxesMode	1	0.000 s	0.000 s
validatestring>checkInputs	3	0.000 s	0.000 s
spalloc	2	0.000 s	0.000 s
...dles>SelectionHandles.get.Position	1	0.000 s	0.000 s
...ehavior>PlotEditBehavior.dosupport	1	0.000 s	0.000 s
Legend.doPostSetup	1	0.000 s	0.000 s
...hworks.page.plottool.SelectionManager (Java method)	6	0.000 s	0.000 s
...uToolbar>isValidLegendHandleObject	2	0.000 s	0.000 s
...nd>Legend.set.SelfListenerListMode	1	0.000 s	0.000 s
...e(['MATLAB:uistring:scribemenu:'x]))	3	0.000 s	0.000 s
...allbacks>isJavaHandleWithCallbacks	2	0.000 s	0.000 s
...Legend>Legend.get.EntryContainer_I	4	0.000 s	0.000 s
...Handles>SelectionHandles.get.Lines	4	0.000 s	0.000 s
...e>uimode.set.WindowButtonMotionFcn	1	0.000 s	0.000 s
selectobject>localFixSelectedObjs	1	0.000 s	0.000 s
...egend>Legend.get.SelectionHandle_I	4	0.000 s	0.000 s
...componentdoc_helper>validateParent	2	0.000 s	0.000 s
...oolbar>isValidColorBarHandleObject	2	0.000 s	0.000 s
waitbar>@()set(0,'Units'.oldRootUnits)	2	0.000 s	0.000 s
...ndles>SelectionHandles.isUIControl	2	0.000 s	0.000 s
uitools\private\prefutils>checkGroup	5	0.000 s	0.000 s
...havior>PrintBehavior.PrintBehavior	1	0.000 s	0.000 s
Legend.Legend>Legend.getAxesImpl	4	0.000 s	0.000 s
uimodemanager.registerMode	1	0.000 s	0.000 s

uimode.uimode>uimode.set.IsOneShot	2	0.000 s	0.000 s
...>PlotEditBehavior.PlotEditBehavior	1	0.000 s	0.000 s
...ntdoc_helper>@(o,e)delete(hgProxy)	2	0.000 s	0.000 s
Legend.Legend>Legend.get.Color	1	0.000 s	0.000 s
setupplotbrowser>localGetFlatValue	2	0.000 s	0.000 s
PrintBehavior>PrintBehavior.dosupport	1	0.000 s	0.000 s
...mode>uimode.set.UIControlInterrupt	1	0.000 s	0.000 s
uimode.uimode>readOnlyWhileRunning	3	0.000 s	0.000 s
Legend.Legend>Legend.get.LineWidth_I	4	0.000 s	0.000 s
...imode>uimode.set.WindowButtonUpFcn	1	0.000 s	0.000 s
...entdoc_helper>getHGOwnerForCleanup	2	0.000 s	0.000 s
...gend>Legend.get.SelfListenerList_I	3	0.000 s	0.000 s
...imode>uimode.set.WindowKeyPressFcn	1	0.000 s	0.000 s
uimode.uimode>setMotionFcn	1	0.000 s	0.000 s
axis>allAxes	3	0.000 s	0.000 s
...nd>Legend.get.AxesListenerListMode	3	0.000 s	0.000 s
...r>localGetAutoValueMarkerFaceColor	2	0.000 s	0.000 s
...mponentdoc_helper>validatePosition	2	0.000 s	0.000 s
uimode.uimode>uimode.uimode	4	0.000 s	0.000 s
...gend>Legend.set.AxesListenerList_I	3	0.000 s	0.000 s
plottedit>isValidActionForOutput	2	0.000 s	0.000 s
Legend.doMethod>setButtonDownFcn	1	0.000 s	0.000 s
HGBehavior>HGBehavior.HGBehavior	2	0.000 s	0.000 s
...lectMode>@(x)~isprop(x,'Selected')	1	0.000 s	0.000 s
java.util.HashMap (Java method)	3	0.000 s	0.000 s
Legend.Legend>Legend.get.Color_I	2	0.000 s	0.000 s
selectobject>@(x)~isprop(x,'Selected')	1	0.000 s	0.000 s

selectobject>localCanMove	1	0.000 s	0.000 s
...ScribeStackManager.ScribeStackManager	1	0.000 s	0.000 s
java.lang.reflect.Method (Java method)	5	0.000 s	0.000 s
...mponentdoc_helper>addJavaCallbacks	2	0.000 s	0.000 s
PlotManager>PlotManager.PlotManager	1	0.000 s	0.000 s
selectobject>localCanDelete	1	0.000 s	0.000 s
selectobject>localCanCutCopy	1	0.000 s	0.000 s
legend>check_pv_args	1	0.000 s	0.000 s
ctorHelper	1	0.000 s	0.000 s
Legend.Legend>Legend.get.AxesMode	1	0.000 s	0.000 s
...nd>Legend.get.SelfListenerListMode	1	0.000 s	0.000 s
Legend.Legend>Legend.get.TextColor_I	1	0.000 s	0.000 s
Legend.Legend>Legend.set.version	1	0.000 s	0.000 s
...gend>Legend.set.SelfListenerList_I	1	0.000 s	0.000 s
java.util.Vector (Java method)	4	0.000 s	0.000 s
java.lang.String (Java method)	5	0.000 s	0.000 s
getplotbrowserproptable	1	0.000 s	0.000 s

Self time is the time spent in a function excluding the time spent in its child function time also includes overhead resulting from the process of profiling.

s. Self