Profile Summary (Total time: 22.602 s)

Generated 21-Dec-2022 17:22:25 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
Linear_shape_equation_attach_const_phi	1	22.602	0.145	
fmincon	6	21.857	0.050	
barrier	6	21.724	0.425	
free_shape_linear_fixed_h	5861	19.535	17.962	
…ar_shape_equation_attach_const_phi>@(y)stretch_bend_min(y,const)	2928	10.276	0.012	
Linear_shape_equation_attach_const_phi>stretch_bend_min	2928	10.263	0.155	
Linear_shape_equation_attach_const_phi>@(y)lipid_con_bend(y,const)	2928	9.998	0.022	
Linear_shape_equation_attach_const_phi>lipid_con_bend	2928	9.976	0.121	
computeFinDiffGradAndJac	435	8.970	0.023	
finitedifferences	435	8.944	0.052	
finDiffEvalAndChkErr	1292	8.883	0.038	
trapz	20516	1.773	1.614	
optim\private\computeTrialStep	1865	0.468	0.127	
legend	3	0.292	0.010	
legend>make_legend	3	0.282	0.012	
linspace	5862	0.249	0.249	
shiftdim	20516	0.160	0.160	
optim\private\tangentialStep	430	0.119	0.037	
Legend.Legend>Legend.set.Axes	3	0.108	0.001	
Legend.Legend>Legend.set.Axes_I	3	0.105	0.001	
Legend.Legend>Legend.setAxesImpl	3	0.104	0.003	
Legend.Legend>Legend.Legend	4	0.095	0.020	
legendcolorbarlayout	4	0.091	0.004	
barrier>nlpInterfaceFcn	1877	0.089	0.034	
annotation	1	0.079	0.005	
yyaxis	2	0.079	0.006	
optim\private\normalStep	430	0.077	0.012	
hold	3	0.076	0.016	
optim\private\formAndFactorKKTmatrix	429	0.074	0.007	
yyaxis>firstTimeSetup	1	0.073	0.013	
TextBox.TextBox>TextBox.TextBox	1	0.073	0.009	
optim\private\solveAugSystem	2204	0.072	0.034	
optim\private\projConjGrad	430	0.068	0.023	
legend>process_inputs	3	0.061	0.020	
…ayoutManager.AxesLayoutManager>AxesLayoutManager.getManager	4	0.058	0.004	
optim\private\nlpStopTest	435	0.056	0.047	
barrier>callOutputAndPlotFcns	447	0.054	0.021	
optim\private\updatePenaltyParam	1677	0.052	0.041	
optim\private\formConstraints	1685	0.052	0.052	
optim\private\backsolveSys	2635	0.052	0.052	
optim\private\formJacobian	435	0.050	0.031	
spdiags	2037	0.048	0.026	
Legend.doSetup	4	0.046	0.008	
optim\private\formAndFactorAugMatrix	315	0.045	0.006	
CanvasPlugin.CanvasPlugin>CanvasPlugin.createCanvas	3	0.043	0.004	

optim\private\xFixedAndBounds	1865	0.042	0.042	
optim\private\projConjGrad>computeProjResidual	578	0.040	0.014	
…tManager.AxesLayoutManager>AxesLayoutManager.insertAboveAxes	3	0.040	0.008	
optim\private\formAndFactorKKTmatrix>formKKTmatrix	429	0.039	0.018	
callAllOptimOutputFcns	447	0.033	0.010	
optim\private\normalCauchyStep	430	0.031	0.013	
…LayoutManager.AxesLayoutManager>AxesLayoutManager.addToTree	3	0.030	0.006	
optim\private\formAndFactorKKTmatrix>factorKKTmatrix	429	0.028	0.028	
ctorHelper	15	0.028	0.004	
CanvasSetup>CanvasSetup.createScribeLayers	3	0.028	0.002	
…ibeStackManager.ScribeStackManager>ScribeStackManager.getLayer	13	0.027	0.003	
optim\private\acceptanceTest	1865	0.025	0.025	
…iedAxesInteractions>UnifiedAxesInteractions.createDefaultInteractions	1	0.025	0.004	
optim\private\leastSquaresLagrangeMults	328	0.024	0.008	
…youtManager.AxesLayoutManager>@(h,e)localReparentCB(h,e,hObj)	3	0.023	0.001	
hggetbehavior	9	0.023	0.002	
spdiags>makeSparseGeneral	2037	0.022	0.022	
…3,varargin)saveFminconSolution(x1,x2,x3,tracker_id,TolCon,verbosity)	447	0.022	0.004	
…outManager>AxesLayoutManager.addAxesListeners/localReparentCB	3	0.022	0.004	
optim\private\formAndFactorAugMatrix>factorAugMatrix	315	0.022	0.022	
…tackManager.ScribeStackManager>ScribeStackManager.createLayer	9	0.022	0.005	
createExitMsg	10	0.021	0.011	
hggetbehavior>localGet	9	0.021	0.006	
saveFminconSolution	465	0.021	0.018	
optim\private\solveKKTsystem	431	0.020	0.006	
optim\private\normalNewtonStep	430	0.020	0.009	
YYAxisEventManager>YYAxisEventManager.registerAxes	3	0.020	0.001	
YYAxisEventManager>@(~,~)handleReparent(ax)	2	0.019	0.000	
YYAxisEventManager>handleReparent	2	0.019	0.002	
optim\private\hessTimesVector	2623	0.018	0.018	
optim\private\formAndFactorAugMatrix>formAugMatrix	315	0.018	0.009	
optim\private\barrierTestAndUpdate	429	0.017	0.006	
YYAxisEventManager>YYAxisEventManager.YYAxisEventManager	2	0.017	0.002	
legend>getLegendableChildren	3	0.016	0.000	
TwoDimensional.TwoDimensional>TwoDimensional.TwoDimensional	1	0.016	0.001	
…actions>UnifiedAxesInteractions.createInteractionsForTitlesAndLabels	1	0.016	0.000	
getLegendableChildren	3	0.016	0.002	
…ractions>UnifiedAxesInteractions.createCartesianAxesTextInteractions	1	0.016	0.001	
YYAxisEventManager>YYAxisEventManager.addAxes	2	0.015	0.003	
…Interactions>UnifiedAxesInteractions.setDefaultBehaviorForTextArray	1	0.015	0.001	
YYAxisEventManager>@()hThis.doneWith(ax)	1	0.014	0.001	
…dAxesInteractions>UnifiedAxesInteractions.setDefaultBehaviorForText	1	0.014	0.002	
YYAxisEventManager>YYAxisEventManager.doneWith	1	0.014	0.003	
ScribeLayer.ScribeLayer>ScribeLayer.ScribeLayer	9	0.013	0.005	
optim\private\normalIntersectStep	430	0.013	0.013	
…outManager.AxesLayoutManager>AxesLayoutManager.ValidateObject	3	0.013	0.002	
TwoDimensional.TwoDimensional>TwoDimensional.doSetup	1	0.013	0.006	
…nager.AxesLayoutManager>AxesLayoutManager.AxesLayoutManager	3	0.013	0.001	
hgbehaviorfactory	9	0.012	0.001	
optim\private\computeHessian	435	0.012	0.010	

Legend.attachAxesListeners	3	0.011	0.005	
hgbehaviorfactory>localCreate	9	0.011	0.005	
InteractionContainer>InteractionContainer.setInteractionsArray	1	0.011	0.000	
optim\private\barrierTestAndUpdate>barrierStopTest	459	0.011	0.011	
optimset	6	0.011	0.008	
xlabel	3	0.011	0.006	
InteractionContainer>InteractionContainer.set.InteractionsArray	1	0.011	0.002	
getIpOptions	6	0.011	0.006	
union	2	0.010	0.002	
setdiff	1	0.010	0.002	
Legend.Legend>Legend.set.Location	2	0.010	0.001	
optim\private\truncateTangStep	430	0.010	0.006	
unique	3	0.010	0.005	
…ayoutManager.AxesLayoutManager>AxesLayoutManager.findMethod	12	0.010	0.010	
newplotwrapper	11	0.009	0.002	
Legend.Legend>Legend.set.Location_I	5	0.009	0.001	
ismember	7	0.009	0.002	
Legend.doMethod	8	0.009	0.002	
union>unionR2012a	2	0.009	0.003	
ToolbarFactory>ToolbarFactory.getToolbar	3	0.008	0.001	
setdiff>setdiffR2012a	1	0.008	0.002	
Legend.setupBoxEdge	4	0.008	0.007	
yyaxis>deleteallpins	1	0.008	0.002	
InteractionContainer>InteractionContainer.InteractionContainer	11	0.008	0.004	
createExitMsg>msgArgs2Str	16	0.008	0.001	
newplot	11	0.008	0.003	
xlim	3	0.007	0.002	
…roller.DesktopToolbarController>DesktopToolbarController.getInstance	3	0.007	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.AnnotationPane	6	0.007	0.002	
Legend.Legend>Legend.setLocationImpl	5	0.007	0.003	
ScribeObject.ScribeObject>ScribeObject.set.Position	1	0.007	0.001	
ismember>ismemberR2012a	7	0.007	0.004	
…ToolbarController>DesktopToolbarController.DesktopToolbarController	3	0.007	0.001	
Legend.doMethod>createDefaultContextMenu	4	0.007	0.007	
ylabel	4	0.007	0.006	
string.strcat	6	0.006	0.002	
optim\private\fractionToBoundaryScaled	861	0.006	0.006	
num2str	24	0.006	0.003	
…esLayoutManager.AxesLayoutManager>AxesLayoutManager.set.Axes	3	0.006	0.001	
Legend.Legend>Legend.set.BoxEdge_I	4	0.006	0.002	
optim\private\fractionToBoundaryHonorBounds	431	0.006	0.006	
findall	1	0.006	0.004	
…artesianAxesInteractionContainer.CartesianAxesInteractionContainer	3	0.006	0.000	
optimget	270	0.006	0.003	
rulerFunctions	3	0.006	0.004	
…anager.AxesLayoutManager>AxesLayoutManager.addAxesListeners	3	0.006	0.006	
fmincon>addSolutionTracker	6	0.006	0.004	
…StandardAxesInteractionContainer.StandardAxesInteractionContainer	3	0.006	0.000	
TextBox.TextBox>TextBox.doSetup	1	0.006	0.005	
AnnotationPane.AnnotationPane>AnnotationPane.doSetup	6	0.006	0.005	

TextInteractionContainer>TextInteractionContainer.updateInteractions	1	0.006	0.001	
TextBox.TextBox>@(obj,evd)(localPostPositionCallback(obj,evd))	1	0.005	0.000	
nonzerosign	870	0.005	0.005	
optim\private\projConjGrad>getProjectionAngle	830	0.005	0.005	
…ntainer>BaseAxesInteractionContainer.BaseAxesInteractionContainer	3	0.005	0.001	
TextBox.TextBox>TextBox.doSetup/localPostPositionCallback	1	0.005	0.001	
allchild	3	0.005	0.004	
optim\private\backtrack	818	0.005	0.005	
Legend.Legend>Legend.set.AxesListenerList	12	0.005	0.003	
islegendable	3	0.005	0.004	
…>OuterPositionChangedEventMixin.OuterPositionChangedEventMixin	3	0.005	0.004	
ScribeLayer.ScribeLayer>@(src,event)hObj.childAdded(src,event)	6	0.005	0.001	
ScribeObject.ScribeObject>ScribeObject.setPositionImpl	1	0.005	0.002	
cell.strcat	6	0.005	0.004	
unique>uniqueR2012a	3	0.005	0.005	
Legend.Legend>Legend.setBoxEdge_IFanoutProps	4	0.005	0.004	
Legend.Legend>Legend.set.Box	2	0.005	0.001	
Legend.Legend>Legend.set.BoxFace_I	4	0.005	0.002	
TextBox.TextBox>TextBox.set.Edge_I	1	0.004	0.002	
optim\private\accStepTRupdate	429	0.004	0.004	
Legend.Legend>Legend.set.TitleSeparator_I	4	0.004	0.001	
ScribeLayer.ScribeLayer>ScribeLayer.childAdded	6	0.004	0.003	
..xtInteractionContainer>TextInteractionContainer.createJavaInteractions	1	0.004	0.001	
optim\private\fractionToBoundary	431	0.004	0.004	
optim\private\fractionToBoundaryTangential	430	0.004	0.004	
hgbehaviorfactory>localGetBehaviorInfo	9	0.004	0.004	
barrier>initialization	6	0.004	0.004	
fwdFinDiffInsideBnds	870	0.004	0.004	
formLambdaStruct	6	0.004	0.004	
createCellArrayOfFunctions	6	0.004	0.002	
…teractionContainer>TextInteractionContainer.TextInteractionContainer	8	0.004	0.000	
ismember>ismemberClassTypes	7	0.003	0.003	
objArrayDispatch	10	0.003	0.002	
optimget>optimgetfast	270	0.003	0.003	
ScribeObject.ScribeObject>ScribeObject.set.Color	1	0.003	0.001	
…beStackManager.ScribeStackManager>ScribeStackManager.findLayer	58	0.003	0.003	
ScribeObject.ScribeObject>ScribeObject.set.Srect	1	0.003	0.002	
ToolbarController.ToolbarController>ToolbarController.ToolbarController	3	0.003	0.003	
InteractionContainer>InteractionContainer.set.InteractionsArrayMode	12	0.003	0.002	
flipud	6	0.003	0.001	
Legend.Legend>Legend.set.SelfListenerList	4	0.003	0.002	
validateopts_UseParallel	441	0.003	0.003	
gobjects	32	0.003	0.003	
TextBox.TextBox>TextBox.set.Text_I	1	0.003	0.001	
Legend.Legend>Legend.set.LimitMaxLegendEntries	3	0.003	0.002	
Legend.Legend>Legend.setTitleSeparator_IFanoutProps	4	0.003	0.003	
ScribeObject.ScribeObject>ScribeObject.set.PinAff	1	0.003	0.002	
setSizes	6	0.003	0.003	
TextBox.TextBox>TextBox.setEdge_IFanoutProps	1	0.003	0.002	
Linear_shape_equation_attach_const_phi>@(y)lipid_con_phi(y,const)	49	0.003	0.001	

optimfcnchk	12	0.003	0.003	
…ableLegend>AbstractExpandableLegend.AbstractExpandableLegend	4	0.003	0.000	
optimlib\private\classifyBoundsOnVars	6	0.003	0.002	
EditInteraction>EditInteraction.createInteraction	1	0.003	0.001	
Legend.Legend>Legend.setBoxFace_IFanoutProps	4	0.003	0.002	
…tions>UnifiedAxesInteractions.queueCreateDefaultInteractionsOnAxes	1	0.003	0.001	
isoptimargdbl	12	0.003	0.003	
YYAxisEventManager>YYAxisEventManager.installReparentWatcher	3	0.002	0.002	
flip	6	0.002	0.001	
TextBox.TextBox>TextBox.set.FitBoxToText	2	0.002	0.001	
legend>find_legend	5	0.002	0.002	
fmincon>checkSolutionTracker	6	0.002	0.001	
TextBox.TextBox>TextBox.set.String	1	0.002	0.001	
Legend.Legend>Legend.set.Box_I	2	0.002	0.002	
ScribeObject.getContainers	1	0.002	0.001	
TextBox.TextBox>TextBox.set.Face_I	1	0.002	0.001	
…youtManager.AxesLayoutManager>AxesLayoutManager.addToLayout	4	0.002	0.002	
TextInteractionContainer>TextInteractionContainer.findConflicts	1	0.002	0.000	
prepareOptionsForSolver	6	0.002	0.002	
nextstyle	2	0.002	0.002	
Linear_shape_equation_attach_const_phi>@(y)free_phi(y,const)	49	0.002	0.001	
replace	6	0.002	0.001	
…tractChartIllustration>AbstractChartIllustration.AbstractChartIllustration	4	0.002	0.002	
TextBox.TextBox>TextBox.set.LineStyle	1	0.002	0.001	
Legend.Legend>Legend.set.PlotChildrenSpecified	3	0.002	0.001	
scribe\private\findAnnotationPane	1	0.002	0.001	
PostUpdatePlugin>PostUpdatePlugin.PostUpdatePlugin	3	0.002	0.001	
ScribeLayer.ScribeLayer>@(src,event)hObj.childRemoved(src,event)	3	0.002	0.001	
optim\private\projConjGrad>stplngthToTrBoundary	366	0.002	0.002	
ScribeObject.ScribeObject>ScribeObject.ScribeObject	1	0.002	0.001	
optimset>checkfield	12	0.002	0.001	
expandLegendChildren	3	0.002	0.002	
Legend.Legend>Legend.get.Axes	13	0.002	0.000	
…teractionContainer>TextInteractionContainer.findDuplicateInteractions	1	0.002	0.001	
Legend.Legend>Legend.set.ColorSpace_I	4	0.002	0.002	
num2str>strvrcat	24	0.002	0.001	
legend>setDisplayNames	3	0.002	0.002	
optim\private\dampingProcedure	429	0.002	0.002	
setHiddenFminconOptions	6	0.002	0.002	
createCellArrayOfFunctions>isFcn	6	0.002	0.001	
getNumericOrStringFieldValue	24	0.002	0.002	
EditInteraction>EditInteraction.EditInteraction	1	0.002	0.002	
axescheck	3	0.002	0.001	
TextBox.TextBox>TextBox.set.FitHeightToText	1	0.002	0.001	
Legend.Legend>Legend.get.Position_I	3	0.002	0.000	
TextBox.TextBox>TextBox.setText_IFanoutProps	1	0.002	0.001	
Legend.Legend>Legend.set.DataSpace_I	4	0.002	0.002	
markFigure	6	0.002	0.002	
Legend.Legend>Legend.set.SelectionHandle_I	4	0.002	0.002	
Linear_shape_equation_attach_const_phi>lipid_con_phi	49	0.002	0.002	

…outManager.AxesLayoutManager>AxesLayoutManager.setParentImpl	6	0.002	0.002
…er.ScribeLayer>@(src,event)hObj.childRemovedOrDeleted(src,event)	3	0.002	0.000
PointerMixin>PointerMixin.setPointerStrategy	3	0.002	0.001
…StackManager.ScribeStackManager>ScribeStackManager.hasLayers	9	0.002	0.001
Linear_shape_equation_attach_const_phi>free_phi	49	0.002	0.002
Legend.Legend>Legend.set.EntryContainer_I	4	0.002	0.001
graph2d\private\labelcheck	7	0.002	0.002
yyaxis>setupTarget	2	0.001	0.001
Legend.Legend>Legend.set.EdgeColor_I	3	0.001	0.001
..nifiedAxesInteractions>UnifiedAxesInteractions.queuedAxesOperations	2	0.001	0.001
flip	6	0.001	0.001
Legend.Legend>Legend.set.DecorationContainer_I	4	0.001	0.001
checkbounds	6	0.001	0.001
Legend.Legend>Legend.get.Axes_I	16	0.001	0.001
ScribeLayer.ScribeLayer>ScribeLayer.childRemoved	3	0.001	0.001
hggetbehavior>localPeek	9	0.001	0.001
strip	6	0.001	0.001
cell.ismember	1	0.001	0.001
cellstr	13	0.001	0.001
strjust	24	0.001	0.001
Legend.Legend>Legend.set.AxesListenerListMode	12	0.001	0.001
AnnotationPane.AnnotationPane>AnnotationPane.addChild	7	0.001	0.001
newplot>ObserveAxesNextPlot	11	0.001	0.001
ScribeObject.ScribeObject>ScribeObject.set.SrectMode	1	0.001	0.001
createExitMsg>stripHTMLTags	22	0.001	0.001
Legend.Legend>Legend.getPositionImpl	3	0.001	0.001
num2str>cellPrintf	24	0.001	0.001
ScribeObject.ScribeObject>ScribeObject.getParentImpl	4	0.001	0.001
Legend.Legend>Legend.set.BoxMode	2	0.001	0.001
ScribeObject.ScribeObject>ScribeObject.setColorImpl	1	0.001	0.001
ScribeLayer.ScribeLayer>ScribeLayer.childRemovedOrDeleted	3	0.001	0.001
FigureUtils>FigureUtils.isEditorSnapshotFigure	1	0.001	0.001
editInteraction	1	0.001	0.001
AnnotationPane.AnnotationPane>AnnotationPane.getParentImpl	29	0.001	0.001
Legend.Legend>Legend.set.SelfListenerListMode	4	0.001	0.001
hasbehavior	11	0.001	0.001
validateFinDiffRelStep	6	0.001	0.001
TextBox.TextBox>TextBox.set.Interpreter	1	0.001	0.001
…tainer>CartesianAxesInteractionContainer.getDefaultInteractionsArray	3	0.001	0.000
TextBox.TextBox>TextBox.set.FontSize	1	0.001	0.001
TextBox.TextBox>TextBox.setFace_IFanoutProps	1	0.001	0.001
AnnotationPane.AnnotationPane>AnnotationPane.doGetChildren	10	0.001	0.001
TextBox.TextBox>TextBox.set.FitBoxToTextMode	2	0.001	0.001
ScribeLayer.ScribeLayer>ScribeLayer.checkValidity	4	0.001	0.001
fcnchk	6	0.001	0.001
AnnotationPane.AnnotationPane>AnnotationPane.setParentImpl	6	0.001	0.001
setOptimFcnHandleOnWorkers	6	0.001	0.001
Legend.Legend>Legend.set.CLim_I	4	0.001	0.001
Legend.Legend>Legend.get.AxesListenerList	24	0.001	0.001
Legend.Legend>Legend.set.PlotChildrenSpecifiedMode	3	0.001	0.001

Legend.Legend>Legend.set.LimitMaxLegendEntriesMode	3	0.001	0.001	
Legend.doPostSetup	3	0.001	0.001	
AbstractChartIllustration.setParentImpl	3	0.001	0.001	
rulerFunctions>parseFunctionName	3	0.001	0.001	
PlotEditBehavior.PlotEditBehavior>PlotEditBehavior.PlotEditBehavior	4	0.001	0.001	
Legend.Legend>Legend.set.AxesMode	3	0.001	0.001	
ScribeObject.ScribeObject>ScribeObject.set.PinAffMode	1	0.001	0.001	
Legend.Legend>Legend.set.PositionMode	5	0.001	0.001	
AxesLayoutManager.AxesLayoutManager>setInstancePropOnAxes	3	0.001	0.001	
allchild>getchildren	3	0.001	0.001	
Legend.Legend>Legend.set.LocationMode	2	0.001	0.001	
TextBox.TextBox>TextBox.set.String_I	1	0.001	0.001	
cell.unique	1	0.001	0.001	
ScribeObject.ScribeObject>ScribeObject.set.PositionMode	1	0.001	0.001	
mustBeValidGraphicsObject	11	0.001	0.001	
isMatchingSize	3	0.001	0.001	
Legend.removeAllEntries	3	0.001	0.001	
optimlib\private\classifyBoundsOnVars>equalFloat	6	0.001	0.001	
ScribeObject.ScribeObject>ScribeObject.get.Pin	1	0.001	0.001	
strjust>strjustOnChar	24	0.001	0.001	
TextBox.TextBox>TextBox.set.FitHeightToTextMode	1	0.001	0.001	
TextBox.TextBox>TextBox.set.LineStyleMode	1	0.001	0.001	
ScribeObject.ScribeObject>ScribeObject.set.ColorMode	1	0.001	0.001	
…odeStrategy>FigurePointerModeStrategy.FigurePointerModeStrategy	3	0.001	0.001	
optim\private\barrierTestAndUpdate>updateBarrierParam	30	0.001	0.001	
TextBox.TextBox>TextBox.set.StringMode	1	0.001	0.001	
Legend.Legend>Legend.set.Camera_I	4	0.001	0.001	
Legend.Legend>Legend.getGraphicsAxes	8	0.001	0.001	
newplot>ObserveFigureNextPlot	11	0.001	0.001	
Legend.Legend>Legend.get.Location_I	5	0.001	0.001	
TextBox.TextBox>@(obj,evd)(localPrePositionCallback(obj,evd))	1	0.001	0.000	
Legend.doSetup>@(h,e)hObj.doDelete	1	0.001	0.000	
Rotate3dBehavior>Rotate3dBehavior.Rotate3dBehavior	1	0.001	0.000	
ScribeObject.ScribeObject>ScribeObject.get.Position	3	0.001	0.000	
TextBox.TextBox>TextBox.set.HorizontalAlignment_I	1	0.001	0.001	
…outManager.AxesLayoutManager>AxesLayoutManager.set.LayoutList	4	0.001	0.001	
YYAxisEventManager>YYAxisEventManager.removeManager	1	0.001	0.001	
optimfun\private\uselargeoptimstruct	6	0.001	0.001	
Legend.Legend>Legend.get.standalone	3	0.001	0.000	
UnifiedAxesInteractions>UnifiedAxesInteractions.getCanvas	1	0.001	0.001	
Legend.Legend>Legend.get.SelfListenerList	8	0.001	0.000	
axescheck>@(x)(isStringScalar(x)||ischar(x))&&strcmpi('parent',x)	3	0.001	0.000	
…ModeStrategy>FigureBasedModeStrategy.FigureBasedModeStrategy	3	0.001	0.000	
TextBox.TextBox>TextBox.set.Transform_I	1	0.001	0.001	
legend>lcl_is2D	3	0.001	0.001	
…sInteractionSet>DefaultAxesInteractionSet.DefaultAxesInteractionSet	3	0.001	0.000	
TextBox.TextBox>TextBox.set.Interpreter_I	2	0.001	0.001	
ChildEventData>ChildEventData.ChildEventData	9	0.001	0.001	
PrintBehavior>PrintBehavior.PrintBehavior	4	0.001	0.000	
legend>get_legend_properties	1	0.001	0.001	

AxesLayoutManager.AxesLayoutManager>addInstancePropToAxes	3	0.001	0.001	
TextBox.TextBox>TextBox.set.LineStyle_I	1	0.001	0.001	
EditInteraction>EditInteraction.EditInteraction	1	0.001	0.000	
fmincon>@()saveFminconSolution(tracker_id)	6	0.001	0.000	
ScribeObject.ScribeObject>ScribeObject.get.ColorProps	1	0.001	0.000	
TextInteractionContainer>TextInteractionContainer.validateInteractions	1	0.001	0.001	
PrintBehavior>PrintBehavior.dosupport	4	0.001	0.001	
findall>showHiddenHandlesToFindAllHandles	1	0.001	0.001	
HGBehavior>HGBehavior.HGBehavior	9	0.001	0.001	
TextBox.TextBox>TextBox.set.Editing_I	1	0.001	0.001	
ScribeObject.ScribeObject>ScribeObject.get.Afsize	9	0.001	0.000	
strfun\private\isTextStrict	12	0.001	0.001	
TextBox.TextBox>TextBox.set.FontWeight_I	1	0.001	0.001	
PlotEditBehavior.PlotEditBehavior>PlotEditBehavior.dosupport	4	0.001	0.001	
TextBox.TextBox>TextBox.set.FontName_I	2	0.001	0.001	
isCharOrString	5	0.001	0.001	
legend>istextscalarvector	2	0.001	0.001	
optimset>nonNegInteger	12	0.001	0.001	
Legend.Legend>Legend.set.AxesListenerList_I	12	0.001	0.001	
TextBox.TextBox>TextBox.set.FontSize_I	3	0.001	0.001	
Legend.Legend>Legend.getAxesImpl	16	0.001	0.001	
convertStringToCharArgs	7	0.001	0.001	
ToolbarFactory>ToolbarFactory.getInstance	3	0.001	0.001	
TextBox.TextBox>TextBox.set.FontSizeMode	1	0.000	0.000	
barrier>printLevel	6	0.000	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.findCanvas	12	0.000	0.000	
TextBox.TextBox>TextBox.set.FontAngle_I	1	0.000	0.000	
usejava	3	0.000	0.000	
TextBox.TextBox>TextBox.set.InterpreterMode	1	0.000	0.000	
TextBox.TextBox>TextBox.set.FontUnits_I	1	0.000	0.000	
Legend.Legend>Legend.get.BoxEdge	73	0.000	0.000	
Legend.Legend>Legend.get.TitleSeparator	65	0.000	0.000	
Legend.Legend>Legend.get.Box_I	22	0.000	0.000	
checkoptionsize	6	0.000	0.000	
Legend.Legend>Legend.get.AxesListenerList_I	36	0.000	0.000	
Legend.doMethod>setButtonDownFcn	4	0.000	0.000	
allchild>@()set(rootobj,'ShowHiddenHandles',Temp)	3	0.000	0.000	
mpower	1	0.000	0.000	
isplotyyaxes	6	0.000	0.000	
Legend.Legend>Legend.get.EdgeColor	8	0.000	0.000	
Legend.doMethod>@(h,e)delete(uic)	1	0.000	0.000	
legend>istextscalar	6	0.000	0.000	
strfun\private\convertStringToOriginalTextType	12	0.000	0.000	
ControlManager>ControlManager.sendPVPairsToControl	1	0.000	0.000	
…tackManager.ScribeStackManager>ScribeStackManager.getInstance	3	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.Srect	1	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.doSetup	1	0.000	0.000	
CanvasPlugin.CanvasPlugin>CanvasPlugin.getInstance	3	0.000	0.000	
uitools\private\allchildRootHelper	3	0.000	0.000	
Legend.Legend>Legend.get.EdgeColor_I	19	0.000	0.000	

Legend.Legend>Legend.get.DecorationContainer	24	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.Srect_I	2	0.000	0.000	
TextBox.TextBox>TextBox.get.Text	21	0.000	0.000	
rad2deg	11	0.000	0.000	
Legend.Legend>Legend.get.Camera	19	0.000	0.000	
InteractionOptions>InteractionOptions.InteractionOptions	3	0.000	0.000	
Legend.doDelete	1	0.000	0.000	
Legend.Legend>Legend.get.BoxFace	26	0.000	0.000	
…a>OuterPositionChangedEventData.OuterPositionChangedEventData	3	0.000	0.000	
InteractionContainer>InteractionContainer.get.InteractionsArray	1	0.000	0.000	
findall>@()set(rootobj,'ShowHiddenHandles',Temp)	1	0.000	0.000	
Legend.Legend>Legend.get.ColorSpace	20	0.000	0.000	
Legend.Legend>Legend.get.SelectionHandle	12	0.000	0.000	
…ics.illustration.Legend')||isa(obj,'matlab.graphics.illustration.ColorBar')	43	0.000	0.000	
Legend.Legend>Legend.get.LineWidth_I	16	0.000	0.000	
barrier>computeObjScalingFactor	6	0.000	0.000	
Legend.Legend>Legend.get.DataSpace	16	0.000	0.000	
deg2rad	1	0.000	0.000	
expandLegendChildren>@(x)isa(x,'matlab.graphics.primitive.Group')	11	0.000	0.000	
TextBox.TextBox>TextBox.get.String_I	2	0.000	0.000	
Rotate3dBehavior>Rotate3dBehavior.dosupport	1	0.000	0.000	
TextBox.TextBox>TextBox.doSetup/localPrePositionCallback	1	0.000	0.000	
Legend.Legend>Legend.get.Color_I	7	0.000	0.000	
Legend.Legend>Legend.get.Interpreter_I	3	0.000	0.000	
TextBox.TextBox>TextBox.get.Edge	7	0.000	0.000	
Legend.Legend>Legend.get.SelfListenerList_I	12	0.000	0.000	
InteractionsList>InteractionsList.InteractionsList	1	0.000	0.000	
Legend.Legend>Legend.get.BoxMode	2	0.000	0.000	
isStringScalar	3	0.000	0.000	
Legend.Legend>Legend.get.AxesListenerListMode	12	0.000	0.000	
TextBox.TextBox>TextBox.get.Transform	6	0.000	0.000	
Legend.Legend>Legend.get.InterpreterMode	3	0.000	0.000	
isPublishingTest	7	0.000	0.000	
Legend.Legend>Legend.get.EntryContainer	11	0.000	0.000	
…ab.graphics.illustration.ColorBar')||isa(ax,'matlab.graphics.chart.Chart')	3	0.000	0.000	
Legend.Legend>Legend.set.version	3	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.SrectMode	1	0.000	0.000	
Legend.Legend>Legend.get.SelfListenerListMode	4	0.000	0.000	
PointerModeStrategy>PointerModeStrategy.PointerModeStrategy	3	0.000	0.000	
Legend.Legend>Legend.set.SelfListenerList_I	4	0.000	0.000	
Legend.Legend>Legend.get.TextColor_I	3	0.000	0.000	
Legend.Legend>Legend.getLocationImpl	5	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.ColorProps_I	1	0.000	0.000	
Legend.Legend>Legend.set.Interpreter_I	3	0.000	0.000	
Legend.Legend>Legend.get.PositionMode	5	0.000	0.000	
Legend.Legend>Legend.set.LimitMaxLegendEntries_I	2	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.PinAff_I	1	0.000	0.000	
FigureUtils>FigureUtils.isEditorEmbeddedFigure	1	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.Afsize_I	9	0.000	0.000	
Legend.Legend>Legend.get.LocationMode	10	0.000	0.000	

ScribeObject.ScribeObject>ScribeObject.getPinImpl	1	0.000	0.000	
optimset>onDeprecationPathOptionCheck	12	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.PinAffMode	1	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.getPositionImpl	3	0.000	0.000	
TextBox.TextBox>TextBox.get.Face	3	0.000	0.000	
Legend.Legend>Legend.get.LimitMaxLegendEntries_I	3	0.000	0.000	
TextBox.TextBox>TextBox.get.LineStyle_I	2	0.000	0.000	
Legend.Legend>Legend.get.standalone_I	3	0.000	0.000	
Legend.Legend>Legend.get.FontSizeMode	3	0.000	0.000	
InteractionContainer>InteractionContainer.get.Enabled	1	0.000	0.000	
TextBox.TextBox>TextBox.get.LineWidth_I	2	0.000	0.000	
Legend.Legend>Legend.get.AxesMode	3	0.000	0.000	
TextBox.TextBox>TextBox.get.FitBoxToTextMode	2	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.set.PinAff_I	1	0.000	0.000	
Legend.Legend>Legend.get.LimitMaxLegendEntriesMode	3	0.000	0.000	
Legend.Legend>Legend.get.PlotChildrenSpecifiedMode	3	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.ColorMode	1	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.set.Srect_I	1	0.000	0.000	
Legend.Legend>Legend.set.FontSize_I	3	0.000	0.000	
TextBox.TextBox>TextBox.set.FitBoxToText_I	2	0.000	0.000	
TextBox.TextBox>TextBox.get.FitHeightToText_I	1	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.PinUpdating	1	0.000	0.000	
TextBox.TextBox>TextBox.get.FitBoxToText_I	2	0.000	0.000	
TextBox.TextBox>TextBox.get.LineStyleMode	1	0.000	0.000	
TextBox.TextBox>TextBox.get.StringMode	1	0.000	0.000	
ScribeObject.ScribeObject>ScribeObject.get.PositionMode	1	0.000	0.000	
AbstractModeStrategy>AbstractModeStrategy.AbstractModeStrategy	3	0.000	0.000	
TextBox.TextBox>TextBox.get.BackgroundColor_I	1	0.000	0.000	
Legend.Legend>Legend.get.FontSize_I	3	0.000	0.000	
InteractionContainer>InteractionContainer.clearList	1	0.000	0.000	
TextBox.TextBox>TextBox.get.FitHeightToTextMode	1	0.000	0.000	
isFigureShowEnabled	6	0.000	0.000	
optimfun\private\optimoptiongetfields	6	0.000	0.000	
TextBox.TextBox>TextBox.get.EdgeColor_I	1	0.000	0.000	
BaseInteraction>BaseInteraction.BaseInteraction	1	0.000	0.000	
hasDisplay	6	0.000	0.000	
BaseInteractionSet>BaseInteractionSet.BaseInteractionSet	3	0.000	0.000	
PointerMixin>PointerMixin.PointerMixin	3	0.000	0.000	
barrier>displayHeader	6	0.000	0.000	
…outManager.AxesLayoutManager>AxesLayoutManager.getParentImpl	10	0.000	0.000	
… ractionContainer>TextInteractionContainer.getDefaultInteractionsArray	8	0.000	0.000	
Legend.Legend>Legend.setCamera_IFanoutProps	4	0.000	0.000	
Legend.Legend>Legend.setSelectionHandle_IFanoutProps	4	0.000	0.000	
Legend.Legend>Legend.setDataSpace_IFanoutProps	4	0.000	0.000	
Legend.Legend>Legend.setDecorationContainer_IFanoutProps	4	0.000	0.000	
Legend.Legend>Legend.setColorSpace_IFanoutProps	4	0.000	0.000	
TextBox.TextBox>TextBox.setTransform_IFanoutProps	1	0.000	0.000	
Legend.Legend>Legend.setEntryContainer_IFanoutProps	4	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.