Profile Summary (Total time: 11.580 s)

Generated 15-Apr.-2021 17:58:50 using performance time.

Function Name	Calls	Total Time (s)	Self Time* (s)	Total Time Plot (dark band = self time)
fe_analysis	1	11.580	0.244	
NLFEA	1	11.152	0.882	
assembly	24	8.336	7.041	
decomposition>decomposition.decomposition	19	1.742	0.015	
decomposition>chooseDecomposition	19	1.720	0.114	
SparseCholesky>SparseCholesky.SparseCholesky	19	1.606	1.606	
fsparse (MEX-file)	72	1.246	1.246	
plot_deformed_geometry	1	0.184	0.088	
decomposition>decomposition.mldivide	19	0.155	0.048	
SparseCholesky>SparseCholesky.solve	19	0.105	0.105	
surf	1	0.070	0.003	
pagetranspose	456	0.056	0.056	
newplot	1	0.048	0.027	
setdiff	24	0.027	0.002	
setdiff>setdiffR2012a	24	0.025	0.005	
CanvasPlugin.CanvasPlugin>CanvasPlugin.createCanvas	1	0.016	0.001	
CanvasSetup>CanvasSetup.createScribeLayers	1	0.013	0.001	
…tackManager.ScribeStackManager>ScribeStackManager.getLayer	4	0.013	0.002	
ismember	24	0.011	0.001	
title	1	0.011	0.006	
ismember>ismemberR2012a	24	0.011	0.001	
…ckManager.ScribeStackManager>ScribeStackManager.createLayer	3	0.009	0.003	
ismember>ismemberBuiltinTypes	24	0.009	0.009	
axis	1	0.009	0.001	
unique	24	0.009	0.004	
decomposition>decomposition.set.CheckCondition	19	0.007	0.001	
…xesInteractions>UnifiedAxesInteractions.createDefaultInteractions	5	0.006	0.003	
SparseCholesky>SparseCholesky.rcond	19	0.006	0.006	
unique>uniqueR2012a	24	0.005	0.005	
configureAxes	1	0.005	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.ScribeLayer	3	0.005	0.002	
axis>LocSetEqual	1	0.005	0.004	
grid	2	0.004	0.002	
configureAxes>checkChildren	1	0.004	0.000	
configureAxes>checkDim	3	0.003	0.001	
axis>isnumericAxes	1	0.003	0.003	
OUTPUT	19	0.003	0.003	
newplot>ObserveAxesNextPlot	1	0.003	0.000	
webGraphicsStateManager	1	0.003	0.000	
isMOTW	1	0.003	0.000	
getChildrenForRuler	3	0.002	0.002	
Surface.Surface>Surface.Surface	1	0.002	0.000	
cla	1	0.002	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.AnnotationPane	2	0.002	0.000	

…s>UnifiedAxesInteractions.queueCreateDefaultInteractionsOnAxes	5	0.002	0.001	
…tackManager.ScribeStackManager>ScribeStackManager.findLayer	19	0.002	0.002	
view	2	0.002	0.001	
feature	1	0.002	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.doSetup	2	0.002	0.001	
ToolbarFactory>ToolbarFactory.getToolbar	1	0.002	0.000	
objArrayDispatch	3	0.002	0.001	
gobjects	8	0.002	0.002	
…er.DesktopToolbarController>DesktopToolbarController.getInstance	1	0.002	0.000	
ctorHelper	1	0.002	0.001	
view>ViewCore	2	0.002	0.001	
graphics/private/clo	1	0.002	0.001	
…lbarController>DesktopToolbarController.DesktopToolbarController	1	0.001	0.000	
InteractionInfoPanel>InteractionInfoPanel.maybeShow	1	0.001	0.001	
decomposition>decomposition.warnIfIllConditioned	19	0.001	0.001	
parseplotapi	1	0.001	0.000	
…dAxesInteractions>UnifiedAxesInteractions.queuedAxesOperations	6	0.001	0.001	
graphicsAndGuis	1	0.001	0.001	
markFigure	6	0.001	0.001	
PostUpdatePlugin>@(sourceObj,evtData)obj.cacheLoad(sourceObj)	1	0.001	0.000	
…lbarController.ToolbarController>ToolbarController.ToolbarController	1	0.001	0.001	
…ackManager.ScribeStackManager>ScribeStackManager.hasLayers	3	0.001	0.001	
PostUpdatePlugin>PostUpdatePlugin.cacheLoad	1	0.001	0.001	
makeNumeric	1	0.001	0.000	
axescheck	1	0.001	0.000	
getpixelposition	1	0.001	0.000	
configureRuler	3	0.001	0.001	
ScribeLayer.ScribeLayer>@(src,event)hObj.childAdded(src,event)	1	0.001	0.000	
UnifiedAxesInteractions>UnifiedAxesInteractions.getCanvas	5	0.001	0.001	
settings	1	0.001	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.childAdded	1	0.001	0.001	
…tPixelPositionHelper>GetPixelPositionHelper.getPixelPositionHelper	1	0.001	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.addChild	2	0.001	0.001	
parseparams	1	0.001	0.001	
isCharOrString	11	0.001	0.001	
axescheck>@(x)(isStringScalar(x)||ischar(x))&&strcmpi('parent',x)	3	0.001	0.000	
decomposition>parseInputs	19	0.001	0.001	
colormap	1	0.001	0.001	
Surface.Surface>Surface.doSetup	1	0.001	0.001	
getSettingsRoot	4	0.000	0.000	
…tesianAxesInteractionContainer.CartesianAxesInteractionContainer	1	0.000	0.000	
settings	1	0.000	0.000	
graph3d/private/surfchk	1	0.000	0.000	
getRulersForChild	1	0.000	0.000	
FigureUtils>FigureUtils.isEditorSnapshotFigure	5	0.000	0.000	
…andardAxesInteractionContainer.StandardAxesInteractionContainer	1	0.000	0.000	
graphics/private/claNotify	1	0.000	0.000	
PostUpdatePlugin>PostUpdatePlugin.PostUpdatePlugin	1	0.000	0.000	
…iner>BaseAxesInteractionContainer.BaseAxesInteractionContainer	1	0.000	0.000	

AnnotationPane.AnnotationPane>AnnotationPane.setParentImpl	2	0.000	0.000	
TextInteractions>TextInteractions.createAndRegisterTextControl	2	0.000	0.000	
InteractionContainer>InteractionContainer.InteractionContainer	1	0.000	0.000	
makeNumeric>numericDim	3	0.000	0.000	
usejava	3	0.000	0.000	
SparseCholesky>SparseCholesky.success	19	0.000	0.000	
usev6plotapi	1	0.000	0.000	
Surface.Surface>@(obj,evd)(hObj.sendDataChangedEvent)	3	0.000	0.000	
gray	1	0.000	0.000	
AnnotationPane.AnnotationPane>AnnotationPane.getParentImpl	6	0.000	0.000	
isStringScalar	3	0.000	0.000	
decomposition>decomposition.get.Datatype	19	0.000	0.000	
PostUpdatePlugin>isAxesToolbarExcluded	1	0.000	0.000	
flipud	3	0.000	0.000	
InteractionContainer>InteractionContainer.get.Enabled	5	0.000	0.000	
PointerMixin>PointerMixin.setPointerStrategy	1	0.000	0.000	
FigureUtils>FigureUtils.isEditorEmbeddedFigure	5	0.000	0.000	
daspect	1	0.000	0.000	
isPublishingTest	7	0.000	0.000	
axis>iscartesian	1	0.000	0.000	
surf>isplottable	3	0.000	0.000	
configureAxes>classcheck	3	0.000	0.000	
…b.graphics.illustration.ColorBar')||isa(obj,'matlab.ui.control.UIAxes')	5	0.000	0.000	
Surface.Surface>Surface.doSetup/localZDataChanged	1	0.000	0.000	
graph3d/private/surfchk>iscomplex	4	0.000	0.000	
GetPixelPositionHelper>getparent	1	0.000	0.000	
meshgrid	1	0.000	0.000	
view>isAxesHandle	2	0.000	0.000	
com.mathworks.hg.util.DeferToIdleState.execute (Java method)	1	0.000	0.000	
newplot>ObserveFigureNextPlot	1	0.000	0.000	
graph2d/private/labelcheck	1	0.000	0.000	
convertStringToCharArgs	2	0.000	0.000	
TextInteractions>TextInteractions.getCanvas	2	0.000	0.000	
ToolbarFactory>ToolbarFactory.getInstance	1	0.000	0.000	
ChildEventData>ChildEventData.ChildEventData	1	0.000	0.000	
CanvasPlugin.CanvasPlugin>CanvasPlugin.getInstance	1	0.000	0.000	
…eStrategy>FigurePointerModeStrategy.FigurePointerModeStrategy	1	0.000	0.000	
…deStrategy>FigureBasedModeStrategy.FigureBasedModeStrategy	1	0.000	0.000	
PostUpdatePlugin>localGetCanvasContainingAncestor	1	0.000	0.000	
InteractionInfoPanel>InteractionInfoPanel.hasBeenOpened	1	0.000	0.000	
mustBeValidGraphicsObject	1	0.000	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.checkValidity	1	0.000	0.000	
…ckManager.ScribeStackManager>ScribeStackManager.getInstance	1	0.000	0.000	
axis>allAxes	1	0.000	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.findCanvas	1	0.000	0.000	
Surface.Surface>Surface.doSetup/localXDataModeChanged	1	0.000	0.000	
Surface.Surface>Surface.doSetup/localYDataModeChanged	1	0.000	0.000	
…seAxesInteractionContainer>BaseAxesInteractionContainer.set.is2d	1	0.000	0.000	
hasDisplay	2	0.000	0.000	
isFigureShowEnabled	2	0.000	0.000	

PointerMixin>PointerMixin.PointerMixin	1	0.000	0.000	
PointerModeStrategy>PointerModeStrategy.PointerModeStrategy	1	0.000	0.000	
…orks.matlabserver.jcp.GraphicsAndGuis.isActivated (Java method)	1	0.000	0.000	
AbstractModeStrategy>AbstractModeStrategy.AbstractModeStrategy	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.