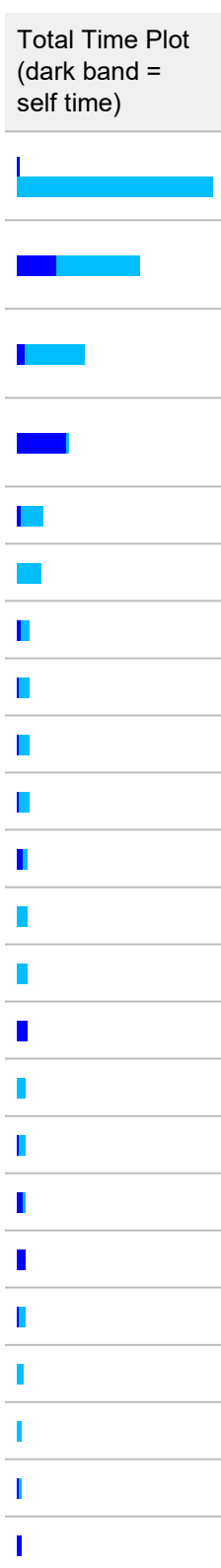


Profile Summary

Generated 13-May-2020 14:20:02 using performance time.

Function Name	Calls	Total Time	Self Time*
DEM2Dmain	1	60.887 s	0.515 s
DEM2DplotSim	1	37.968 s	12.096 s
DEM2Dsolve_expl	4000	21.174 s	2.608 s
DEM2DinteractForce	4000	15.746 s	15.171 s
quiver	1004	7.466 s	0.923 s
...x(1),y(1),x(2)-x(1),y(2)-y(1),0,'b-')	988	7.325 s	0.010 s
Quiver.Quiver>Quiver.Quiver	1004	3.863 s	1.304 s
newplotwrapper	8116	3.722 s	0.420 s
newplot	9120	3.537 s	0.619 s
getframe	161	3.503 s	0.336 s
Quiver.doUpdate	1036	3.259 s	1.775 s
axis	324	3.165 s	0.065 s
graphics\private\alternateGetframe	161	3.081 s	0.010 s
getframeWithDecorations	161	3.069 s	3.057 s
...nteractions.createDefaultInteractions	985	2.673 s	0.207 s
title	177	2.514 s	0.669 s
...tions.createDefaultInteractionsOnAxes	960	2.464 s	1.584 s
DEM2DwallForce	4000	2.165 s	2.165 s
newplot>ObserveAxesNextPlot	9120	1.984 s	0.459 s
Quiver.getXYZDataExtents	2040	1.867 s	0.269 s
cla	164	1.525 s	0.015 s
Quiver.preProcessData	3076	1.468 s	0.612 s
graphics\private\clo	164	1.442 s	1.332 s



axis>LocSetEqual	162	1.426 s	0.688 s
Quiver.is3D	17484	1.116 s	0.475 s
DEM2Drotation	357584	1.087 s	1.087 s
axis>LocCheckCompatibleLimits	162	0.873 s	0.445 s
Quiver.Quiver>Quiver.set.Tail_I	1004	0.778 s	0.019 s
...Quiver>Quiver.setTail_IFanoutProps	1004	0.759 s	0.621 s
...ntacts>DEM2Dcontacts.DEM2Dcontacts	801	0.758 s	0.635 s
gobjects	18619	0.754 s	0.754 s
axis>isnumericAxes	162	0.708 s	0.366 s
Quiver.Quiver>Quiver.get.ZData	17484	0.641 s	0.521 s
Quiver.Quiver>Quiver.set.Head_I	1004	0.636 s	0.019 s
...Quiver>Quiver.setHead_IFanoutProps	1004	0.617 s	0.487 s
...actions.createDefaultAxesInteractions	162	0.606 s	0.037 s
Quiver.Quiver>Quiver.set.MarkerHandle_I	1004	0.531 s	0.020 s
...t:Quiver.setMarkerHandle_IFanoutProps	1004	0.511 s	0.418 s
...>ToolbarController.doPostUpdateFcn	3	0.443 s	0.002 s
...ueuedDefaultInteractionInitialization	3	0.441 s	0.010 s
Datatips>Datatips.enable	162	0.427 s	0.011 s
Quiver.Quiver>Quiver.set.Color_I	1992	0.364 s	0.341 s
Quiver.Quiver>Quiver.set.Color	988	0.343 s	0.103 s
DEM2Dplot	1	0.326 s	0.059 s
Quiver.Quiver>Quiver.doSetup	1004	0.293 s	0.293 s
...t:ToolbarController.getDefaultToolbar	3	0.283 s	0.010 s
...ver>Quiver.calculateHeadVertexData	3076	0.258 s	0.154 s
specgraph\private\quiverparseargs	1004	0.245 s	0.088 s
parseplotapi	1004	0.239 s	0.029 s
Quiver.Quiver>Quiver.set.VData	1004	0.222 s	0.109 s
...ToolbarController.createToolbarButton	24	0.221 s	0.019 s
Quiver.Quiver>Quiver.set.UData	1004	0.221 s	0.108 s

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Datatips>Datatips.attachListeners	162	0.212 s	0.071 s
Datatips>Datatips.createLinger	162	0.204 s	0.012 s
...uiver>Quiver.set.SelectionHandle_I	1004	0.203 s	0.020 s
Quiver.Quiver>Quiver.get.UData	12304	0.193 s	0.131 s
newplot>ObserveFigureNextPlot	9120	0.190 s	0.190 s
...r>@(e,d)obj.handleMouseMotion(e,d)	21	0.188 s	0.001 s
...t;ToolbarController.handleMouseMotion	21	0.187 s	0.021 s
...uiver.setSelectionHandle_IFanoutProps	1004	0.183 s	0.164 s
Quiver.Quiver>Quiver.set.AutoScale	1004	0.182 s	0.107 s
nextstyle	1004	0.182 s	0.182 s
Quiver.Quiver>Quiver.set.XData	1004	0.179 s	0.112 s
hold	355	0.178 s	0.109 s
Quiver.Quiver>Quiver.set.YData	1004	0.176 s	0.108 s
num2str	2779	0.165 s	0.056 s
Quiver.Quiver>Quiver.set.LineStyle	988	0.158 s	0.094 s
axescheck	1359	0.154 s	0.122 s
Linger>Linger.Linger	162	0.154 s	0.012 s
...uiver(x(1),y(1),x(2)-x(1),y(2)-y(1),0)	16	0.152 s	0.001 s
DEM2Ddist	4000	0.151 s	0.151 s
Linger>Linger.reparent	171	0.150 s	0.132 s
...t;AxesToolBarButton.AxesToolBarButton	21	0.144 s	0.021 s
Linger>Linger.set.Target	162	0.142 s	0.003 s
Datatips>Datatips.clickEvent	162	0.141 s	0.022 s
DEM2Dcontact>DEM2Dcontact.DEM2Dcontact	30136	0.123 s	0.123 s
isUIFigure	1610	0.122 s	0.122 s
Quiver.Quiver>Quiver.get.AutoScale	3076	0.121 s	0.098 s
Quiver.Quiver>Quiver.get.ZData_I	17484	0.121 s	0.121 s
Quiver.Quiver>Quiver.get.ShowArrowHead	3076	0.121 s	0.099 s
Quiver.Quiver>Quiver.get.Color	3044	0.117 s	0.092 s

ClickEvent>ClickEvent.enable	162	0.116 s	0.026 s
...ner>InteractionContainer.clearList	325	0.110 s	0.047 s
ButtonImage.doUpdate	77	0.105 s	0.034 s
Quiver.Quiver>Quiver.get.MaxHeadSize	3076	0.105 s	0.084 s
...ToolbarStateButton.ToolbarStateButton	18	0.099 s	0.005 s
int2str	2618	0.093 s	0.093 s
...rButton>AxesToolbarButton.set.Icon	42	0.092 s	0.002 s
xyzchk	3076	0.091 s	0.081 s
Quiver.Quiver>Quiver.get.VData	6152	0.091 s	0.063 s
parseparams	1004	0.090 s	0.080 s
Quiver.Quiver>Quiver.get.Tail	17212	0.090 s	0.090 s
AxesToolbar.doUpdate	11	0.088 s	0.027 s
...@(obj,evd)(hObj.sendDataChangedEvent)	4016	0.087 s	0.087 s
usev6plotapi	1004	0.085 s	0.085 s
Linger>Linger.motionCallback	23	0.083 s	0.017 s
Quiver.Quiver>Quiver.get.LineStyle	2008	0.081 s	0.066 s
markFigure	856	0.081 s	0.081 s
Quiver.Quiver>Quiver.get.Head	15204	0.080 s	0.080 s
Linger>@(o,e)motionCallback(hObj,o,e)	21	0.080 s	0.001 s
...sInteractions.checkIfHWCallbacksExist	960	0.076 s	0.076 s
...>AxesToolbarButton.setStandardIcon	42	0.076 s	0.033 s
Quiver.Quiver>Quiver.get.MarkerHandle	14248	0.075 s	0.075 s
workspacefunc	6	0.074 s	0.020 s
UnsupportedInUifigure	161	0.072 s	0.043 s
Quiver.Quiver>Quiver.set.MarkerSize_l	1004	0.070 s	0.065 s
graphics\private\claNotify	164	0.068 s	0.060 s
arraytolimits	6120	0.067 s	0.036 s
Datatips>Datatips.Datatips	162	0.066 s	0.002 s
getpixelposition	162	0.064 s	0.003 s

Datatips>Datatips.initializeBufferScale	162	0.063 s	0.002 s
Quiver.Quiver>Quiver.getUDataImpl	12304	0.063 s	0.063 s
uitools\private\getPixelPositionHelper	162	0.061 s	0.061 s
Datatips>Datatips.getDpiScale	162	0.061 s	0.007 s
Quiver.Quiver>Quiver.set.VDataMode	1004	0.060 s	0.052 s
Quiver.Quiver>Quiver.set.UDataMode	1004	0.060 s	0.051 s
...ller>ToolbarController.showToolbar	9	0.060 s	0.004 s
Quiver.Quiver>Quiver.set.YDataMode	1004	0.059 s	0.051 s
Quiver.Quiver>Quiver.set.ColorMode	988	0.059 s	0.050 s
...ttonImage>ButtonImage.getImageData	77	0.058 s	0.007 s
Quiver.Quiver>Quiver.get.MarkerEdgeColor	1036	0.058 s	0.046 s
Quiver.Quiver>Quiver.set.XDataMode	1004	0.056 s	0.049 s
Quiver.Quiver>Quiver.set.LineStyleMode	988	0.056 s	0.048 s
Quiver.Quiver>Quiver.set.AutoScaleMode	1004	0.055 s	0.047 s
...t;ToolbarPushButton.ToolbarPushButton	3	0.055 s	0.001 s
...ositionUtils.getDevicePixelScreenSize	162	0.054 s	0.013 s
Quiver.Quiver>Quiver.setVDataImpl	1004	0.053 s	0.046 s
Quiver.Quiver>Quiver.setUDataImpl	1004	0.053 s	0.046 s
Quiver.Quiver>Quiver.get.MarkerFaceColor	1036	0.051 s	0.042 s
...Pane>AnnotationPane.AnnotationPane	3	0.050 s	0.003 s
Quiver.Quiver>Quiver.get.Marker	1004	0.049 s	0.040 s
IconView>IconView.loadImage	14	0.048 s	0.001 s
...difierKeyListener.ModifierKeyListener	486	0.048 s	0.017 s
Quiver.Quiver>Quiver.get.YData	3076	0.047 s	0.033 s
IconView>IconView.getTrueColorData	14	0.047 s	0.006 s
Quiver.Quiver>Quiver.get.XData	3076	0.047 s	0.032 s
Button.Button>Button.Button	21	0.046 s	0.026 s
Datatips>Datatips.delete	159	0.045 s	0.020 s
...xesInteractions.checkIfCameraPropsSet	960	0.044 s	0.044 s

Quiver.Quiver>Quiver.get.Color_I	5036	0.043 s	0.043 s
axis>LocSetLimits	162	0.043 s	0.043 s
hggetbehavior	112	0.043 s	0.005 s
...istener>ModifierKeyListener.enable	486	0.043 s	0.005 s
workspacefunc>getShortValueObjectJ	97	0.042 s	0.010 s
...nPane>AnnotationPane.setParentImpl	6	0.042 s	0.004 s
Button.doUpdate	68	0.041 s	0.028 s
is2D	165	0.040 s	0.006 s
...ver>Quiver.calculateTailVertexData	3076	0.040 s	0.040 s
Linger>Linger.enable	171	0.040 s	0.040 s
imresize	14	0.039 s	0.007 s
KeyListener>KeyListener.enable	486	0.038 s	0.038 s
mdbfileonpath	1	0.038 s	0.008 s
...>UnifiedAxesInteractions.getCanvas	985	0.038 s	0.038 s
...xesToolbar>AxesToolbar.AxesToolbar	3	0.037 s	0.000 s
AxesToolbar.isEnabledForAxes	77	0.037 s	0.016 s
...xesToolbar>AxesToolbar.AxesToolbar	3	0.037 s	0.008 s
isPublishingTest	988	0.037 s	0.037 s
ismember	1006	0.037 s	0.010 s
...nager>ScribeStackManager.loadLayer	3	0.036 s	0.001 s
Quiver.Quiver>Quiver.get.SelectionHandle	6088	0.036 s	0.036 s
...on>AxesToolbarButton.makeIconPaths	42	0.034 s	0.001 s
...ger>ScribeStackManager.createLayer	3	0.034 s	0.017 s
...ToolbarController.setToolbarModeState	2	0.034 s	0.009 s
is2D>testOneAxes	165	0.034 s	0.034 s
fullfile	90	0.034 s	0.015 s
...ton.AxesToolbarButton>makeIconPath	42	0.034 s	0.002 s
timer.timer>timer.timer	9	0.033 s	0.007 s
FadeTimer>@(e,d)this.fade	12	0.033 s	0.001 s

Quiver.Quiver>Quiver.get.LineStyle_I	4000	0.033 s	0.033 s
hggetbehavior>localGet	24	0.033 s	0.009 s
ScrollZoom>ScrollZoom.ScrollZoom	162	0.032 s	0.009 s
Quiver.Quiver>Quiver.get.AutoScale_I	4080	0.032 s	0.032 s
...char(x))&&strcmpi('parent',x)	6363	0.032 s	0.022 s
FadeTimer>FadeTimer.fade	12	0.032 s	0.011 s
...>ToolbarController.get.FadeInTimer	19	0.032 s	0.002 s
Quiver.Quiver>Quiver.get.Clipping_I	4016	0.031 s	0.031 s
arraytolimits>localGetLimits	6120	0.031 s	0.031 s
...t:changeUnitsToDevicePixelsScopeGuard	162	0.030 s	0.001 s
...t:ToolbarController.createFadeInTimer	2	0.029 s	0.003 s
Linger>Linger.startTimer	3	0.029 s	0.003 s
PositionUtils>changeUnitsScopeGuard	162	0.028 s	0.027 s
workspacefunc>num2complex	97	0.028 s	0.007 s
Quiver.Quiver>Quiver.get.VDataImpl	6152	0.028 s	0.028 s
cell.ismember	61	0.027 s	0.010 s
...r>InteractionContainer.get.Enabled	1945	0.027 s	0.027 s
...InteractionsList.isValidInteractions	798	0.026 s	0.026 s
ismember>ismemberR2012a	1006	0.026 s	0.013 s
...ta>LingerEventData.LingerEventData	24	0.026 s	0.005 s
Linger>Linger.delete	159	0.025 s	0.004 s
Quiver.Quiver>Quiver.get.LineWidth_I	3012	0.024 s	0.024 s
timercb	21	0.023 s	0.007 s
makehgtform	72	0.023 s	0.018 s
...xesInteractions.isFigureToolbarHidden	960	0.023 s	0.023 s
onCleanup>onCleanup.delete	491	0.022 s	0.007 s
Quiver.Quiver>Quiver.get.ShowArrowHead_I	3076	0.022 s	0.022 s
spalloc	4000	0.022 s	0.022 s
filemenufcn	1	0.021 s	0.000 s

Quiver.Quiver>Quiver.get.MaxHeadSize_I	3076	0.020 s	0.020 s
filemenufcn>localPost	1	0.020 s	0.003 s
isInvalidInLogScale	2072	0.020 s	0.012 s
hgbehaviorfactory	24	0.019 s	0.001 s
...Group.doTransformTrueColorToTrueColor	88	0.019 s	0.010 s
KeyListener>KeyListener.delete	477	0.019 s	0.003 s
FadeTimer>FadeTimer.start	3	0.018 s	0.002 s
hgbehaviorfactory>localCreate	24	0.018 s	0.007 s
convertStringToCharArgs	1165	0.018 s	0.018 s
Pan3D>Pan3D.Pan3D	162	0.017 s	0.010 s
mdbfileonpath>checkIfShadowed	1	0.017 s	0.003 s
...Data>MouseEventData.MouseEventData	24	0.017 s	0.008 s
KeyListener>KeyListener.disable	477	0.016 s	0.016 s
timer.start	6	0.016 s	0.005 s
mltimerpackage	39	0.016 s	0.011 s
Backdrop>Backdrop.doUpdate	11	0.016 s	0.010 s
ScrollEvent>ScrollEvent.enable	162	0.015 s	0.015 s
Quiver.Quiver>Quiver.get.YDataMode	2008	0.015 s	0.015 s
workspacefunc>getAbstractValueSummary.J	52	0.015 s	0.013 s
findall	3	0.015 s	0.011 s
Quiver.Quiver>Quiver.getYDataImpl	3076	0.015 s	0.015 s
Quiver.Quiver>Quiver.getXDataMode	2008	0.015 s	0.015 s
...dator>ToolbarValidator.isValidIcon	42	0.015 s	0.012 s
Quiver.Quiver>Quiver.getXDataImpl	3076	0.014 s	0.014 s
...rController.setToolbarBackgroundColor	9	0.014 s	0.002 s
imresize>parseInputs	14	0.014 s	0.004 s
datetime.datetime>datetime.datetime	17	0.014 s	0.006 s
...>ToolbarController.doButtonUnhover	14	0.014 s	0.005 s
AxesToolbar.getBehaviorName	77	0.013 s	0.013 s

axis>iscartesian	162	0.013 s	0.013 s
ControlsGroup>ControlsGroup.doUpdate	4	0.013 s	0.002 s
ismember>ismemberBuiltinTypes	1006	0.013 s	0.013 s
cell.unique	4	0.013 s	0.005 s
DEM2Dinit	1	0.012 s	0.009 s
strcat	44	0.012 s	0.012 s
timer.timer>timer.delete	3	0.012 s	0.003 s
...t;AxesToolbar.parentToolbarToAxesPane	2	0.012 s	0.007 s
Linger>@(~,~)hObj.reparent()	9	0.012 s	0.001 s
toolboxdir	42	0.012 s	0.005 s
axis>allAxes	324	0.011 s	0.011 s
...uiver>Quiver.get.MarkerEdgeColor_1	1036	0.011 s	0.011 s
isCharOrString	6996	0.011 s	0.011 s
specgraph\private\getRealData	1004	0.011 s	0.011 s
Quiver.Quiver>Quiver.set.AutoScale_1	1004	0.011 s	0.011 s
...r>Quiver.calculateMarkerVertexData	1036	0.011 s	0.011 s
Drag>Drag.enable	162	0.011 s	0.010 s
FadeTimer>FadeTimer.FadeTimer	4	0.010 s	0.002 s
isStringScalar	6363	0.010 s	0.010 s
getFigureJavaFrame	161	0.010 s	0.010 s
xyzchk>isvector	9228	0.010 s	0.010 s
Quiver.Quiver>Quiver.setXDataImpl	1004	0.010 s	0.010 s
timer.set	9	0.009 s	0.006 s
...uiver>Quiver.get.MarkerFaceColor_1	1036	0.009 s	0.009 s
...er>Quiver.get.AlignVertexCenters_1	1004	0.009 s	0.009 s
hgbehaviorfactory>localGetBehaviorInfo	24	0.009 s	0.009 s
Quiver.Quiver>Quiver.get.Marker_1	1004	0.009 s	0.009 s
timer.timer>makeDefaultJobobject	9	0.009 s	0.004 s
datachk	4016	0.009 s	0.009 s

...tils>@().set(h.unitsProp.origUnits)	162	0.009 s	0.009 s
...ller>ToolbarController.setCallback	21	0.009 s	0.009 s
num2str>cellPrintf	161	0.009 s	0.009 s
contributions	28	0.009 s	0.006 s
IconView>IconView.set.Icon	42	0.008 s	0.004 s
...asPlugin>CanvasPlugin.createCanvas	3	0.008 s	0.002 s
Quiver.Quiver>Quiver.get.VDataMode	1004	0.008 s	0.008 s
...ller>ToolbarController.hideToolbar	7	0.008 s	0.003 s
Quiver.Quiver>Quiver.get.UDataMode	1004	0.008 s	0.008 s
hggetbehavior>localPeek	112	0.008 s	0.008 s
Quiver.Quiver>Quiver.get.ColorMode	988	0.008 s	0.008 s
Quiver.Quiver>Quiver.get.LineStyleMode	988	0.008 s	0.008 s
Quiver.Quiver>Quiver.get.AutoScaleMode	1004	0.008 s	0.008 s
Quiver.Quiver>Quiver.setYDataImpl	1004	0.008 s	0.008 s
...tions.createHardwareCallbackListeners	3	0.008 s	0.008 s
isprop	88	0.008 s	0.003 s
ScrollZoom>ScrollZoom.enable	162	0.008 s	0.008 s
Linger>Linger.disable	159	0.008 s	0.008 s
mdbfileonpath>filepartsWithoutPackages	2	0.008 s	0.001 s
clearNotify	161	0.008 s	0.008 s
isInvalidInLogScale>basicImpl	2072	0.008 s	0.008 s
...r>ToolbarController.canShowToolbar	21	0.007 s	0.007 s
fullfile>refinePath	90	0.007 s	0.003 s
timer.timercb	18	0.007 s	0.004 s
...ller>@(s,e)obj.fade(s.CurrentFade)	9	0.007 s	0.001 s
FadeGroup>blendTrueColorData	88	0.007 s	0.007 s
...uttonImage>ButtonImage.ButtonImage	21	0.007 s	0.007 s
mdbfileonpath>removePackageDirs	2	0.007 s	0.001 s
...r>AxesToolbar.matchBackgroundColor	9	0.007 s	0.003 s

...rController>ToolbarController.fade	11	0.007 s	0.004 s
...t:ScribeStackManager.reparentChildren	3	0.007 s	0.001 s
Drag>Drag.Drag	162	0.007 s	0.003 s
timer.timer>timer.getJobObjects	67	0.007 s	0.007 s
Button.Button>Button.set.Content	21	0.007 s	0.005 s
onCleanup>onCleanup.onCleanup	491	0.007 s	0.007 s
transformViewerToWorld	11	0.007 s	0.003 s
...t;ToolbarController.ToolbarController	3	0.006 s	0.005 s
...ton>AxesToolbarButton.set.Position	66	0.006 s	0.006 s
...r>@(e,d)obj.handleMouseExited(e,d)	2	0.006 s	0.000 s
...er>ToolbarController.getTooltipKey	21	0.006 s	0.006 s
num2str>strvrcat	161	0.006 s	0.002 s
...gt: @(o,e)canvasExitCallback(hObj,o,e)	2	0.006 s	0.001 s
...gt;ToolbarController.get.ToolTipTimer	14	0.006 s	0.002 s
datetime.datetime>currentTime	17	0.006 s	0.004 s
...t;ToolbarController.handleMouseExited	2	0.006 s	0.001 s
...on>AxesToolbarButton.setParentImpl	42	0.006 s	0.005 s
timer.stop	11	0.005 s	0.003 s
workspacefunc>getWhosInformation	3	0.005 s	0.005 s
...er>@(e,d)obj.postUpdateFcn(canvas)	3	0.005 s	0.000 s
Linger>Linger.stopTimer	17	0.005 s	0.002 s
...queueCreateDefaultInteractionsOnAxes	28	0.005 s	0.002 s
FadeTimer>FadeTimer.get.Running	38	0.005 s	0.002 s
Linger>Linger.canvasExitCallback	2	0.005 s	0.001 s
getSpatialTransforms	11	0.005 s	0.005 s
...bar>AxesToolbar.setToolbarPosition	2	0.005 s	0.004 s
makehgtform>matrixMultiply	140	0.005 s	0.005 s
datetime.minus	16	0.005 s	0.003 s
getDefaultCamera	5	0.005 s	0.004 s

...gt:ToolbarController.get.FadeOutTimer	11	0.005 s	0.002 s
...nImage>ButtonImage.set.ImageSource	21	0.005 s	0.005 s
...>SingleActionZoom.SingleActionZoom	162	0.005 s	0.004 s
...er>ToolbarController.postUpdateFcn	3	0.005 s	0.003 s
...ttonImage>@(e.d)obj.updateCache(e)	42	0.005 s	0.001 s
cell.unique>celluniqueR2012a	4	0.005 s	0.005 s
graph2d\private\labelcheck	177	0.005 s	0.005 s
...otationPane>AnnotationPane.doSetup	3	0.005 s	0.004 s
isprop>hasProp	88	0.005 s	0.005 s
...sGroup>ControlsGroup.ControlsGroup	3	0.004 s	0.004 s
ctorHelper	1004	0.004 s	0.004 s
fullfile>fixIRI	90	0.004 s	0.004 s
getPointInPixels	21	0.004 s	0.004 s
...AxesInteractions.queuedAxesOperations	37	0.004 s	0.004 s
...:ToolbarController.createTooltipTimer	2	0.004 s	0.001 s
strjust	161	0.004 s	0.002 s
DragSingleton>DragSingleton.getInstance	162	0.004 s	0.004 s
opaque.string	9	0.004 s	0.003 s
+internal\private\combineTransforms	11	0.004 s	0.002 s
com.mathworks.timer.TimerTask (Java method)	59	0.004 s	0.004 s
seconds	2	0.004 s	0.001 s
stringToChar	14	0.004 s	0.002 s
...uttonImage>ButtonImage.updateCache	42	0.004 s	0.004 s
...xesToolbar>AxesToolbar.set.Opacity	12	0.004 s	0.004 s
workspacefunc>createComplexScalar	36	0.004 s	0.003 s
duration.duration>duration.fromMillis	18	0.004 s	0.003 s
Backdrop>Backdrop.Backdrop	3	0.004 s	0.003 s
imresize>fixupSizeAndScale	14	0.004 s	0.002 s
now	6	0.004 s	0.001 s

...on>AxesToolBarButton.getParentImpl	126	0.004 s	0.004 s
datetime.plus	2	0.004 s	0.002 s
mltimerpackage>remove	3	0.003 s	0.001 s
KeyListener>KeyListener.KeyListener	486	0.003 s	0.003 s
UnsupportedInUifigure>@()warning(w)	161	0.003 s	0.003 s
fileparts	6	0.003 s	0.003 s
imresize>parsePreMethodArgs	14	0.003 s	0.002 s
timer.timer>timer.get.Running	52	0.003 s	0.001 s
...rategy.DefaultAxesInteractionStrategy	162	0.003 s	0.002 s
...utton>ToolBarStateButton.set.Value	18	0.003 s	0.003 s
mdbfileonpath>areDirectoriesEqual	1	0.003 s	0.001 s
ClickEvent>ClickEvent.ClickEvent	162	0.003 s	0.002 s
...esInteractions.createToolBarListeners	3	0.003 s	0.003 s
...bar>AxesToolBar.setBackgroundColor	9	0.003 s	0.003 s
...AxesToolBarButton.set.BackgroundColor	77	0.003 s	0.003 s
...>ToolBarController.createListeners	2	0.003 s	0.003 s
...r.AxesToolBar>AxesToolBar.addChild	24	0.003 s	0.002 s
datetime.datetime>datetime.gt	2	0.003 s	0.001 s
...sToolBar>AxesToolBar.getParentImpl	116	0.003 s	0.003 s
contributions>@(x)scale*kernel(scale*x)	28	0.003 s	0.001 s
...;ToolBarController.createFadeOutTimer	2	0.003 s	0.000 s
ScrollZoom>ScrollZoom.set.strategy	162	0.003 s	0.003 s
mdbfileonpath>getFileToRun	1	0.003 s	0.001 s
...r>ToolBarController.isPlotEditMode	21	0.003 s	0.003 s
timer.timer>timer.getProperty	61	0.003 s	0.003 s
fullfile>ensureTrailingFilesep	90	0.003 s	0.001 s
FadeTimer>@(e,d)this.timercb	18	0.003 s	0.001 s
workspacefunc>locallsDistributedType	159	0.003 s	0.003 s
isAxesHit	9	0.003 s	0.003 s

...oller>ToolbarController.getHitAxes	21	0.003 s	0.003 s
ScrollEvent>ScrollEvent.ScrollEvent	162	0.003 s	0.002 s
datenum	6	0.003 s	0.002 s
...ler>ToolbarController.inActiveArea	5	0.003 s	0.002 s
strjust>strjustOnChar	161	0.002 s	0.002 s
...cribeLayer>ScribeLayer.ScribeLayer	6	0.002 s	0.002 s
partialMatchString	4	0.002 s	0.002 s
ind2rgb	14	0.002 s	0.002 s
datetime.arithUtil	18	0.002 s	0.002 s
...arController>isAxesToolbarExcluded	12	0.002 s	0.002 s
getViewportsInDevicePixels	9	0.002 s	0.002 s
...olbarController.isDifferentAxesLayout	7	0.002 s	0.002 s
...anager>ScribeStackManager.getLayer	5	0.002 s	0.001 s
imresize>resizeAlongDim	28	0.002 s	0.002 s
...se>InteractionBase.InteractionBase	486	0.002 s	0.002 s
com.mathworks.hg.peer.HG2FigurePeer (Java method)	161	0.002 s	0.002 s
workspacefunc>locallsString	97	0.002 s	0.002 s
...lbar>AxesToolbar.getToolbarButtons	27	0.002 s	0.002 s
opaque_strcmp	1	0.002 s	0.000 s
timer.eq	3	0.002 s	0.002 s
...nager>ScribeStackManager.findLayer	23	0.002 s	0.002 s
mustBeGreaterThanOrEqual	35	0.002 s	0.001 s
isFigureShowEnabled	164	0.002 s	0.002 s
Linger>Linger.enterEvent	3	0.002 s	0.001 s
...gt:@(s,e)obj.fadeOut(1-s.CurrentFade)	2	0.002 s	0.001 s
workspacefunc>getCleanupHandler	3	0.002 s	0.001 s
...tationPane>AnnotationPane.addChild	5	0.002 s	0.002 s
workspacefunc>createComplexVector	3	0.002 s	0.001 s
FadeGroup>FadeGroup.getParentColorSpace	88	0.002 s	0.002 s

FadeTimer>FadeTimer.timercb	18	0.002 s	0.002 s
...ButtonImage>ButtonImage.set.Layer	21	0.002 s	0.002 s
stringToChar>@(x)convertToChar(x)	28	0.002 s	0.001 s
codetools\private\dataviewerhelper	39	0.002 s	0.001 s
...ButtonImage>ButtonImage.applyAlpha	77	0.002 s	0.002 s
workspacefunc>getclass	52	0.002 s	0.002 s
fullfile>addTrailingFileSep	90	0.002 s	0.002 s
...r>localGetCanvasContainingAncestor	13	0.002 s	0.002 s
@opaque\private\fromOpaque	2	0.002 s	0.001 s
...nPane>AnnotationPane.doGetChildren	4	0.002 s	0.002 s
allchild	1	0.002 s	0.001 s
...etime>datetime.getsetLocalTimeZone	17	0.002 s	0.002 s
...r>@(o,e)hObj.keypresscallback(o,e)	9	0.002 s	0.001 s
FadeTimer>FadeTimer.isvalidTimer	64	0.002 s	0.002 s
cubic	28	0.002 s	0.002 s
...>InteractionEvent.InteractionEvent	324	0.001 s	0.001 s
FadeTimer>FadeTimer.stop	3	0.001 s	0.001 s
...ombineTransforms>getCameraViewport	11	0.001 s	0.001 s
Datatips>@(o,e)hObj.motionCallback(o,e)	21	0.001 s	0.001 s
...>ToolbarController.getCanvasFigure	23	0.001 s	0.001 s
mltimerpackage>addToList	9	0.001 s	0.001 s
...ent>@(o,e)hObj.motioncallback(o,e)	21	0.001 s	0.001 s
...onImage>ButtonImage.getImageRatios	77	0.001 s	0.001 s
@timer\private\isJavaTimer	11	0.001 s	0.001 s
...dateInputsForBinaryComparisonFunction	70	0.001 s	0.001 s
Datatips>@(o,e)canvasExitCallback(hObj)	2	0.001 s	0.000 s
ControlsGroup>ControlsGroup.addChild	9	0.001 s	0.001 s
linspace	46	0.001 s	0.001 s
...t:@(o,e)hObj.lingerEnterCallback(o,e)	3	0.001 s	0.001 s

...ntroller>ToolbarController.fadeOut	2	0.001 s	0.001 s
...>InteractionsList.InteractionsList	162	0.001 s	0.001 s
...sToolbar>AxesToolbar.doGetChildren	3	0.001 s	0.001 s
mdbfileonpath>doesFileExist	6	0.001 s	0.001 s
...figure>@()lastwarn(lastmsg,lastid)	161	0.001 s	0.001 s
createDataAnnotatable	9	0.001 s	0.001 s
...nPane>AnnotationPane.getParentImpl	19	0.001 s	0.001 s
...gt:@(o,e)hObj.keyreleaserecallback(o,e)	3	0.001 s	0.001 s
imresize>scaleOrSize	14	0.001 s	0.001 s
PrintBehavior>PrintBehavior.dosupport	3	0.001 s	0.001 s
findFirstParamString	14	0.001 s	0.001 s
mdbfileonpath>isPackageDirectory	3	0.001 s	0.001 s
datetime.compareUtil	2	0.001 s	0.001 s
FadeGroup>FadeGroup.FadeGroup	3	0.001 s	0.001 s
ControlsGroup>ControlsGroup.set.Anchor	2	0.001 s	0.001 s
...DataCursorBehavior.DataCursorBehavior	21	0.001 s	0.001 s
...nager>ScribeStackManager.hasLayers	3	0.001 s	0.001 s
...>showHiddenHandlesToFindAllHandles	3	0.001 s	0.001 s
meshgrid	1	0.001 s	0.001 s
timer.timer>timer.get.Period	9	0.001 s	0.001 s
opaque.string>jstring2string	9	0.001 s	0.001 s
...ibeLayer>ScribeLayer.checkValidity	5	0.001 s	0.001 s
imresize>findMethodArg	14	0.001 s	0.001 s
opaque.char	2	0.001 s	0.001 s
Drag>Drag.delete_listeners	162	0.001 s	0.001 s
mdbfileonpath>isFileInPackage	1	0.001 s	0.001 s
...teractionStrategy.InteractionStrategy	162	0.001 s	0.001 s
...t:ScribeStackManager.getDefaultCamera	2	0.001 s	0.000 s
Datatips>Datatips.canvasExitCallback	2	0.001 s	0.000 s

...havior>PrintBehavior.PrintBehavior	3	0.001 s	0.001 s
...pace.MatlabWorkspaceListener.swl(swl)	3	0.001 s	0.001 s
deriveScaleFromSize	14	0.001 s	0.001 s
timer.timer>timer.set.TimerFcn	7	0.001 s	0.001 s
IconView>IconView.setDPIScale	77	0.001 s	0.001 s
...sToolbar>AxesToolbar.setParentImpl	2	0.001 s	0.001 s
KeyListener>KeyListener.keypresscallback	9	0.001 s	0.001 s
blanks	44	0.001 s	0.001 s
mustBeLessThanOrEqual	35	0.001 s	0.001 s
imresize>fixupSize	14	0.001 s	0.001 s
IconView>IconView.IconView	21	0.001 s	0.000 s
Button.Button>Button.set.FaceType	21	0.001 s	0.001 s
...sToolbar>AxesToolbar.redrawToolbar	9	0.001 s	0.001 s
Button.Button>Button.set.Layer	21	0.001 s	0.001 s
timer.timer>timer.set.Name	9	0.001 s	0.001 s
...lbarController.getButtonStateFromMode	2	0.001 s	0.001 s
imresize>checkForMissingOutputArgument	14	0.001 s	0.000 s
mdbfileonpath>isPrivate	1	0.001 s	0.001 s
duration.duration>duration.duration	18	0.001 s	0.001 s
Datatips>Datatips.motionCallback	21	0.001 s	0.001 s
...r>localGetCanvasContainingAncestor	3	0.001 s	0.001 s
...avior>DataCursorBehavior.dosupport	21	0.001 s	0.001 s
stringToChar>convertToChar	28	0.001 s	0.001 s
Datatips>Datatips.lingerEnterCallback	3	0.001 s	0.001 s
fullfile>@(x)~iscell(x)&&isempty(x)	336	0.001 s	0.001 s
IconView>IconView.set.Selected	18	0.001 s	0.001 s
duration.duration>duration.seconds	16	0.001 s	0.001 s
strlength	4	0.001 s	0.001 s
Button.Button>Button.set.BorderType	21	0.001 s	0.001 s

gcbf	1	0.001 s	0.001 s
FadeGroup>FadeGroup.doUpdate	11	0.001 s	0.001 s
isdir	5	0.001 s	0.001 s
imresize>postprocessImage	14	0.001 s	0.001 s
mdbfileonpath>areFileNamesEqualForRun	4	0.001 s	0.001 s
...n>Button.checkColorSpaceDependency	21	0.001 s	0.001 s
...arButton>AxesToolbarButton.unhover	98	0.001 s	0.001 s
...gt;AxesToolbar.set.ToolbarAnchorPoint	2	0.001 s	0.001 s
...tton>AxesToolbarButton.hideToolTip	98	0.001 s	0.001 s
...utton>ToolbarStateButton.get.Value	41	0.001 s	0.001 s
imresize>warnIfPostMethodArgs	14	0.001 s	0.001 s
imresizemex (MEX-file)	28	0.001 s	0.001 s
...set(rootobj,'ShowHiddenHandles',Temp)	3	0.001 s	0.001 s
...er>ToolbarController.isOverToolbar	5	0.001 s	0.001 s
Control>Control.Control	27	0.001 s	0.001 s
mdbfileonpath>isStandardExtension	2	0.001 s	0.000 s
timer.timer>timer.set.ObjectVisibility	7	0.001 s	0.001 s
...:@()MLFileUtils.isMdlFile(inFilename)	2	0.001 s	0.001 s
imresize>preprocessImage	14	0.001 s	0.000 s
Backdrop>Backdrop.set.Layer	3	0.000 s	0.000 s
HGBehavior>HGBehavior.HGBehavior	24	0.000 s	0.000 s
timer.timer>timer.set.StartDelay	5	0.000 s	0.000 s
...ner>KeyListener.keyreleasecallback	3	0.000 s	0.000 s
timer.timer>timer.set.Period	4	0.000 s	0.000 s
usejava	5	0.000 s	0.000 s
ScrollEvent>ScrollEvent.motioncallback	21	0.000 s	0.000 s
...viewerhelper>upconvertIntegralType	39	0.000 s	0.000 s
isPureNearestNeighborComputation	56	0.000 s	0.000 s
dimensionOrder	14	0.000 s	0.000 s

allchild>getchildren	1	0.000 s	0.000 s
timercb	3	0.000 s	0.000 s
Backdrop>Backdrop.set.Color	5	0.000 s	0.000 s
Datatips>Datatips.deleteTip	2	0.000 s	0.000 s
timer.timer>timer.set.ExecutionMode	4	0.000 s	0.000 s
...ger>ScribeStackManager.getInstance	3	0.000 s	0.000 s
imresize>parseParamValuePairs	14	0.000 s	0.000 s
...@()MlxFileUtils.isMlxFile(inFilename)	1	0.000 s	0.000 s
@datetime\private\relopSign	2	0.000 s	0.000 s
...vasPlugin>CanvasPlugin.getInstance	3	0.000 s	0.000 s
...FileUtils.isNativeMexFile(inFilename)	1	0.000 s	0.000 s
timer.timer>timer.set.BusyMode	3	0.000 s	0.000 s
validators\private\isNumericOrLogical	140	0.000 s	0.000 s
DEM2Dparam	1	0.000 s	0.000 s
java.io.File (Java method)	12	0.000 s	0.000 s
imresize>isInputIndexed	42	0.000 s	0.000 s
...ractionContainer.InteractionContainer	3	0.000 s	0.000 s
ispc	7	0.000 s	0.000 s
mustBeFinite	42	0.000 s	0.000 s
datetime.datetime>datetime.isempty	18	0.000 s	0.000 s
...xesToolbar>AxesToolbar.get.Opacity	24	0.000 s	0.000 s
...s.mlwidgeTs.workspace.WhosInformation (Java method)	3	0.000 s	0.000 s
stringToLegacyText	6	0.000 s	0.000 s
filesep	2	0.000 s	0.000 s
...gt:@()MLFileUtils.isPFile(inFilename)	1	0.000 s	0.000 s
...()MLFileUtils.isMlappFile(inFilename)	1	0.000 s	0.000 s
ImageSource>ImageSource.ImageSource	21	0.000 s	0.000 s
Linger>Linger.exitEvent	1	0.000 s	0.000 s
duration.duration>duration.milliseconds	2	0.000 s	0.000 s

mustBeNumeric	2	0.000 s	0.000 s
hasDisplay	3	0.000 s	0.000 s
...set(rootobj,'ShowHiddenHandles',Temp)	1	0.000 s	0.000 s
java.util.UUID (Java method)	9	0.000 s	0.000 s
uitools\private\allchildRootHelper	1	0.000 s	0.000 s
ismac	1	0.000 s	0.000 s
java.lang.Class (Java method)	9	0.000 s	0.000 s
...widgets.spreadsheet.data.ValueSummary (Java method)	7	0.000 s	0.000 s

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

ctions.