
```

clc
close all
clearvars

a=2.5;

time = linspace(0,300,10000);
q_list = [];
z_list = [];

for t = time
    z = pos(t, a);
    z_list = [z_list z];
    v = vel(t, a);
    rho = rho_fnc(z);
    q = q_fnc(rho, v);
    q_list = [q_list q];
end

figure(1)
plot(z_list./1000, q_list)
xlabel("Altitude, z (km)")
ylabel("Dynamic pressure, q (N/m^2)")
title("Dymmic pressure vs. Altitude")
grid on
% Gx = gcf;
% Gx.Position(3:4) = Gx.Position(3:4)*2;
% Ax = gca;
% Ax.FontSize = Ax.FontSize *2;
saveas(figure(1), 'HW2_Q3_plot.jpg')

% Part d)
q_max = max(q_list);
max_position = find(q_list==q_max);
t_max = time(max_position);
z_max = z_list(max_position);

function z=pos(t, a)
    z = 0.5*a*t^2;
end

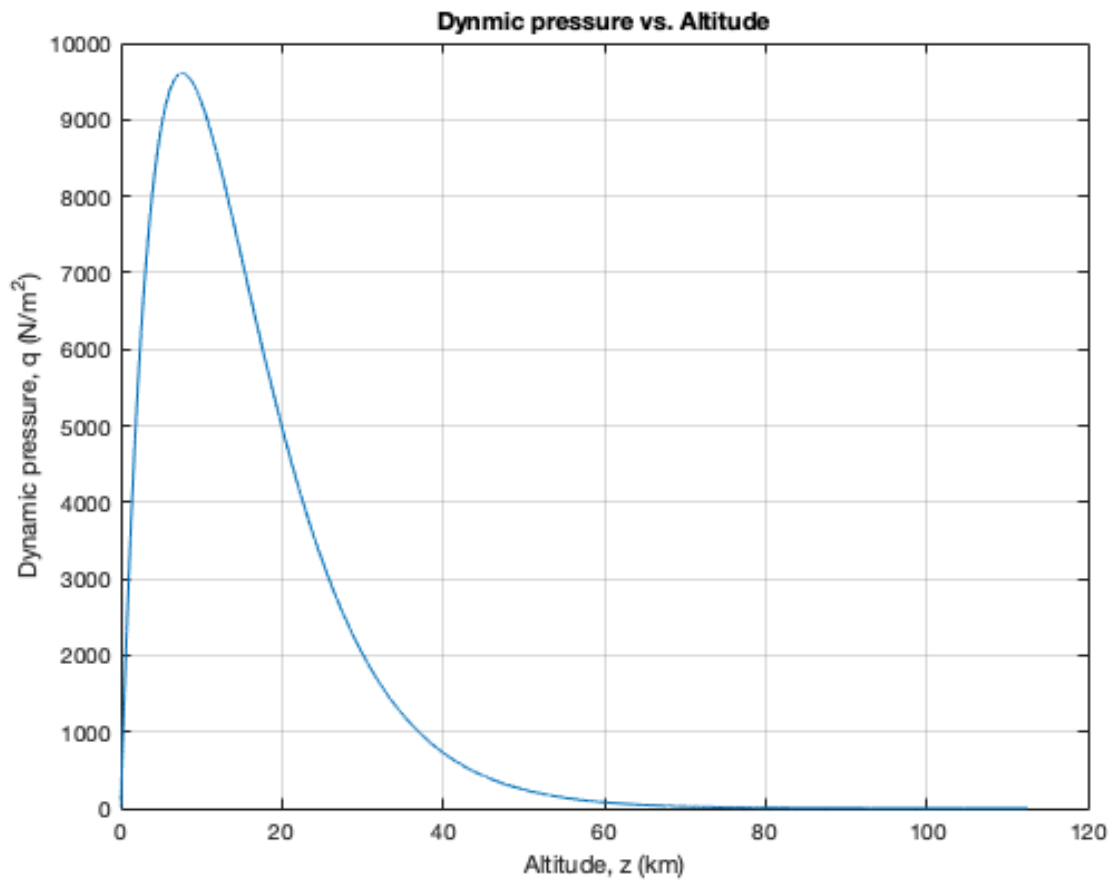
function v=vel(t, a)
    v=a*t;
end

function q=q_fnc(rho,v)
    q = 0.5 * rho * v^2;
end

function rho=rho_fnc(z)
    rho = 1.367 *exp(-z/(7.64*1000));

```








end



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Profile Summary (Total time: 4.803 s)

Generated 04-Sept-2022 22:44:42 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
HW2_Q3	1	4.376	1.594	
saveas	1	1.459	0.057	
print	1	1.285	0.095	
printing/private/alternatePrintPath	1	1.096	0.024	
newplotwrapper	1	0.835	0.032	
newplot	1	0.803	0.220	
printing/private/alternatePrintPath>printSetup	1	0.520	0.050	
CanvasPlugin.CanvasPlugin>CanvasPlugin.createCanvas	1	0.472	0.158	
...hics.controls.internal.PostUpdatePlugin.doCacheLoad(canvasParent)	1	0.427	0.000	
PostUpdatePlugin>PostUpdatePlugin.doCacheLoad	1	0.426	0.214	
printing/private/printjobContentChanges	2	0.311	0.041	
printing/private/printingGenerateOutput	1	0.306	0.007	
printing/private/alternatePrintPath>@()printCleanup(pj,pt)	1	0.245	0.000	
printing/private/alternatePrintPath>printCleanup	1	0.245	0.011	
mlprintjob>mlprintjob.setPaintDisabled	2	0.207	0.083	
ToolbarFactory>ToolbarFactory.getToolbar	1	0.203	0.157	
printing/private/printingGenerateOutput>LocalGenerateRasterOutput	1	0.189	0.000	
...ting/private/printingGenerateOutput>LocalCallgenerateGraphicsOutput	1	0.189	0.015	
...lbarButton.AxesToolbarButton>AxesToolbarButton.AxesToolbarButton	2	0.150	0.006	
printing/private/printjobContentChanges>localUpdateColorsIfNeeded	2	0.146	0.006	
printing/private/modifyColorsForPrint	2	0.138	0.016	
...iedAxesInteractions>UnifiedAxesInteractions.createDefaultInteractions	3	0.135	0.057	
printing/private/alternatePrintPath>doCleanup	1	0.133	0.005	
ToolbarPushButton>ToolbarPushButton.ToolbarPushButton	1	0.131	0.001	
printing/private/adjustbackground	2	0.122	0.028	
table.table>table.getPropertyNamesList	1	0.114	0.110	
CanvasSetup>CanvasSetup.createScribeLayers	1	0.109	0.030	
...ghtweightContainerFactory\$FigurePanelContainerLight (Java method)	2	0.108	0.108	
mlprintjob>mlprintjob.writeRaster	1	0.106	0.023	
mlprintjob>mlprintjob.generateGfxOutput	1	0.092	0.091	
printjob	2	0.092	0.068	
findall	19	0.091	0.068	
...ibeStackManager.ScribeStackManager>ScribeStackManager.getLayer	5	0.083	0.006	
imwrite	1	0.082	0.017	
AxesToolbarButton.AxesToolbarButton>AxesToolbarButton.set.Icon	2	0.081	0.012	
logDDUXInfo	1	0.075	0.000	
logDDUXInfo>logDDUXInfoHelper	1	0.075	0.012	
...tackManager.ScribeStackManager>ScribeStackManager.createLayer	3	0.073	0.042	
Button.Button>Button.Button	3	0.070	0.036	
printing/private/fireprintbehavior	2	0.068	0.004	
...actions>UnifiedAxesInteractions.createInteractionsForTitlesAndLabels	3	0.067	0.000	
...ructions>UnifiedAxesInteractions.createCartesianAxesTextInteractions	3	0.066	0.002	
firePrintBehavior	2	0.065	0.027	

...Interactions>UnifiedAxesInteractions.setDefaultBehaviorForTextArray	3	0.064	0.003	
...oolbarButton.AxesToolBarButton>AxesToolBarButton.setStandardIcon	2	0.063	0.052	
printing/private/modifyUnitsForPrint	2	0.061	0.001	
...dAxesInteractions>UnifiedAxesInteractions.setDefaultBehaviorForText	9	0.061	0.010	
printing/private/setGraphicsProperty	13	0.060	0.060	
mlprintjob>mlprintjob.modifyUnitsForPrint	2	0.060	0.008	
imagesci/private/writejpg	1	0.045	0.039	
...oller.DesktopToolBarController>DesktopToolBarController.getInstance	1	0.045	0.000	
...ToolBarController>DesktopToolBarController.DesktopToolBarController	1	0.045	0.025	
newplot>ObserveAxesNextPlot	1	0.042	0.007	
printing/private/alternatePrintPath>LocalUpdateViewer	1	0.039	0.022	
InteractionContainer>InteractionContainer.setInteractionsArray	3	0.039	0.001	
InteractionContainer>InteractionContainer.set.InteractionsArray	3	0.039	0.003	
xlabel	1	0.039	0.030	
InteractionContainer>InteractionContainer.InteractionContainer	4	0.038	0.006	
...artesianAxesInteractionContainer.CartesianAxesInteractionContainer	1	0.035	0.003	
cla	1	0.035	0.008	
TextInteractionContainer>TextInteractionContainer.updateInteractions	6	0.035	0.003	
hggetbehavior	7	0.034	0.003	
logDDUXInfo>populateForalternatePrintPath	1	0.033	0.001	
ButtonImage.ButtonImage>ButtonImage.ButtonImage	3	0.033	0.004	
...StandardAxesInteractionContainer.StandardAxesInteractionContainer	1	0.033	0.000	
...ntainer>BaseAxesInteractionContainer.BaseAxesInteractionContainer	1	0.032	0.001	
InteractionContainer>InteractionContainer.set.InteractionsArrayMode	7	0.032	0.002	
logDDUXInfo>localCheckHasUI	1	0.031	0.000	
mlprintjob>mlprintjob.containsUIElements	1	0.031	0.031	
printing/private/alternatePrintPath>LocalUpdateRenderer	1	0.031	0.019	
...xtInteractionContainer>TextInteractionContainer.createJavaInteractions	6	0.030	0.007	
validateDataType	6	0.030	0.024	
...tainer>CartesianAxesInteractionContainer.getDefaultInteractionsArray	1	0.029	0.029	
hggetbehavior>localGet	3	0.029	0.009	
print>LocalCreatePrintJob	1	0.029	0.020	
PostUpdatePlugin>@(sourceObj,evtData)obj.cacheLoad(sourceObj)	1	0.029	0.000	
logDDUXInfo>logDDUXInfoHelper.compareAndDoLogData	1	0.029	0.004	
PostUpdatePlugin>PostUpdatePlugin.cacheLoad	1	0.029	0.027	
ScribeLayer.ScribeLayer>ScribeLayer.ScribeLayer	3	0.027	0.018	
printing/private/alternatePrintPath>LocalRestoreOldProps	1	0.027	0.015	
printing/private/ptpreparehg	1	0.026	0.010	
logData	1	0.025	0.025	
metaDim>metaDim.metaDim	1	0.025	0.017	
close	1	0.024	0.002	
TextInteractions>TextInteractions.createAndRegisterTextControl	9	0.024	0.013	
printtables	3	0.024	0.009	
EditInteraction>EditInteraction.createInteraction	6	0.023	0.016	
allchild	5	0.023	0.015	
close>safegetchildren	1	0.022	0.011	
CanvasPlugin.CanvasPlugin>CanvasPlugin.getInstance	1	0.021	0.021	
unique	1	0.021	0.001	

ToolBarStateButton>ToolBarStateButton.ToolBarStateButton	1	0.021	0.001	
unique>uniqueR2012a	1	0.020	0.020	
hgbehaviorfactory	3	0.019	0.000	
HW2_Q3>pos	10000	0.019	0.019	
hgbehaviorfactory>localCreate	3	0.019	0.016	
graphics/private/ciaNotify	1	0.018	0.018	
HW2_Q3>vel	10000	0.018	0.018	
imwrite>parse_inputs	1	0.018	0.012	
name	1	0.016	0.010	
printing/private/printingAxesTickLabelUpdate	1	0.016	0.007	
HW2_Q3>q_fnc	10000	0.015	0.015	
HW2_Q3>rho_fnc	10000	0.015	0.015	
printing/private/alternatePrintPath>LocalFindContainers	2	0.015	0.006	
mlprintjob>mlprintjob.mlprintjob	2	0.014	0.010	
printing/private/inputcheck	1	0.014	0.004	
printing/private/useOriginalHGPrinting	6	0.013	0.006	
printing/private/postProcessPrintables	3	0.013	0.007	
printing/private/printjobUpdateForOutput	1	0.013	0.012	
printing/private/validate	1	0.013	0.009	
grid	1	0.013	0.011	
mlprintjob>mlprintjob.modifyUnitsForPrint/getObjWithUnits	1	0.012	0.007	
editInteraction	3	0.012	0.011	
ToolBarController.ToolBarController>ToolBarController.ToolBarController	1	0.012	0.011	
cell.setdiff	1	0.012	0.001	
title	1	0.011	0.006	
cell.unique	5	0.011	0.010	
cell.setdiff>cellsetdiffR2012a	1	0.011	0.003	
updateSelectionState	2	0.010	0.002	
TextInteractionContainer>TextInteractionContainer.findConflicts	3	0.010	0.000	
varNamesDim>varNamesDim.varNamesDim	1	0.009	0.001	
printing/private/adjustbackground>LocalLabelColor	4	0.009	0.008	
..._teractionContainer>TextInteractionContainer.TextInteractionContainer	3	0.009	0.003	
..._teractionContainer>TextInteractionContainer.findDuplicateInteractions	3	0.009	0.005	
ScribeLayer.ScribeLayer>@(src,event)hObj.childAdded(src,event)	1	0.009	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.doGetChildren	74	0.009	0.009	
fileparts	3	0.008	0.004	
Channel>@(source,data)obj.onCustomEvent(data.Type,data.Data)	1	0.008	0.001	
ScribeLayer.ScribeLayer>ScribeLayer.childAdded	1	0.008	0.008	
printing/private/getDeprecatedDeviceList	4	0.008	0.008	
graphics/private/clo	1	0.008	0.007	
getDefaultCamera	1	0.008	0.003	
PointerMixin>PointerMixin.setPointerStrategy	1	0.008	0.007	
AnnotationPane.AnnotationPane>AnnotationPane.getParentImpl	90	0.008	0.008	
Channel>Channel.onCustomEvent	1	0.008	0.001	
...tions>UnifiedAxesInteractions.queueCreateDefaultInteractionsOnAxes	3	0.008	0.001	
mlprintjob>mlprintjob.getJavaContainer	3	0.008	0.006	
useOriginalHGPrinting	6	0.007	0.007	
UnsupportedInUifigure	1	0.007	0.007	

AnnotationPane.AnnotationPane>AnnotationPane.AnnotationPane	2	0.007	0.001	
imagesci/private/writejpg>set_jpeg_props	1	0.007	0.001	
tabularDimension>tabularDimension.init	3	0.007	0.006	
...nifiedAxesInteractions>UnifiedAxesInteractions.queuedAxesOperations	4	0.006	0.006	
EditInteraction>EditInteraction.EditInteraction	6	0.006	0.006	
repmat	13	0.006	0.002	
findall>showHiddenHandlesToFindAllHandles	19	0.006	0.006	
ToolbarValidator>ToolbarValidator.isValidIcon	2	0.006	0.006	
imformats	2	0.006	0.001	
printing/private/checkArgsForHandleToPrint	2	0.006	0.002	
...beStackManager.ScribeStackManager>ScribeStackManager.findLayer	20	0.006	0.006	
webwindow>@(source.data)obj.onCustomEvent(data.Type.data.Data)	1	0.006	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.doSetup	2	0.006	0.004	
mustBeMember	2	0.006	0.001	
linspace	1	0.005	0.005	
prepareFigureForPrint	1	0.005	0.004	
fullfile	1	0.005	0.004	
rmfield	3	0.005	0.005	
ismember	2	0.005	0.001	
ylabel	1	0.005	0.003	
allchild>getchildren	5	0.005	0.003	
repmat	13	0.005	0.004	
validatestring	2	0.005	0.002	
...anager.ScribeStackManager>ScribeStackManager.getDefaultCamera	1	0.004	0.001	
webwindow>webwindow.onCustomEvent	1	0.004	0.003	
ValidationHelper>ValidationHelper.validateSize	2	0.004	0.004	
varNamesDim>varNamesDim.dfftLabels	1	0.004	0.004	
printEnhanceTextures>printEnhanceTextures.needEnhanceOutput	1	0.004	0.000	
ToolbarButtonRegistry>ToolbarButtonRegistry.getInstance	2	0.004	0.001	
printing/private/ptrestorehg	1	0.004	0.003	
varNamesDim>varNamesDim.init	1	0.004	0.000	
printing/private/checkArgsForHandleToPrint>LocalCheckHandles	2	0.004	0.003	
ismember>ismemberR2012a	2	0.004	0.002	
Button.Button>Button.set.Content	2	0.004	0.003	
markFigure	2	0.003	0.003	
IconView>IconView.set.Icon	2	0.003	0.002	
findall>@.(set(rootobj,'ShowHiddenHandles',Temp))	19	0.003	0.003	
printUtility>printUtility.getAxesAllRulers	1	0.003	0.003	
printing/private/checkImageSizeForPrint	1	0.003	0.001	
metaDim>metaDim.makeValidName	1	0.003	0.002	
imformats>build_registry	1	0.003	0.003	
hggetbehavior>localPeek	7	0.003	0.003	
mlprintjob>mlprintjob.getCopyOptionsPreferences	1	0.003	0.003	
ToolbarButtonRegistry>ToolbarButtonRegistry.createRegistryMaps	1	0.003	0.001	
mlprintjob>mlprintjob.usesJava	5	0.003	0.003	
mlprintjob>mlprintjob.tostruct	1	0.003	0.003	
ToolbarButtonRegistry>ToolbarButtonRegistry.createRegistration	16	0.003	0.003	
gobjects	6	0.003	0.003	

objArrayDispatch	4	0.003	0.001	
mlprintjob>mlprintjob.checkImageSizeForPrint	2	0.002	0.002	
printing/private/validateHandleToPrint	1	0.002	0.001	
isPrintingSupported	2	0.002	0.001	
mlprintjob>mlprintjob.resetTemp	3	0.002	0.002	
fileparts>unixExecution	3	0.002	0.002	
clearvars	1	0.002	0.002	
isprop	2	0.002	0.001	
ToolBarButtonRegistry>ToolBarButtonRegistry.createMapping	3	0.002	0.002	
printing/private/alternatePrintPath>LocalSaveOldProps	1	0.002	0.002	
printing/private/inputcheck>LocalCheckForDeprecation	2	0.002	0.000	
strmatch	1	0.002	0.002	
PostUpdatePlugin>PostUpdatePlugin.PostUpdatePlugin	1	0.002	0.001	
hgbehaviorfactory>localGetBehaviorInfo	3	0.002	0.002	
num2cell	6	0.002	0.002	
imformats>find_in_registry	2	0.002	0.002	
ismember>ismemberClassTypes	2	0.002	0.002	
ButtonImage.ButtonImage>ButtonImage.set.ImageSource	2	0.002	0.002	
fileparts>returnCharOrString	3	0.002	0.002	
printing/private/getDefaultDeviceList	4	0.002	0.002	
ValidationHelper>ValidationHelper.ValidationHelper	2	0.002	0.001	
Capability>Capability.isSupported	2	0.002	0.001	
printing/private/alternatePrintPath>LocalSaveAxesOldProps	1	0.002	0.002	
AnnotationPane.AnnotationPane>AnnotationPane.setParentImpl	2	0.002	0.001	
printing/private/adjustbackground>matrix2color	6	0.002	0.002	
validatestring>checkString	2	0.002	0.002	
ScribeLayer.ScribeLayer>ScribeLayer.checkValidity	2	0.001	0.001	
table.table>table.table	1	0.001	0.000	
allchild>@(.)set(rootobj,'ShowHiddenHandles',Temp)	5	0.001	0.001	
graph2d/private/labelcheck	3	0.001	0.001	
printing/private/getframeWithDecorationsShortcut	1	0.001	0.001	
AnnotationPane.AnnotationPane>AnnotationPane.addChild	2	0.001	0.001	
isprop>hasProp	2	0.001	0.001	
tabularDimension>tabularDimension.checkDuplicateLabels	1	0.001	0.001	
ButtonImage.ButtonImage>@(e,d)obj.updateCache(e)	2	0.001	0.000	
imwrite>validateSizes	1	0.001	0.001	
..._StackManager.ScribeStackManager>ScribeStackManager.hasLayers	3	0.001	0.001	
.../private/printingGenerateOutput>LocalAddHeaderInfoToPrintJobStruct	1	0.001	0.001	
mlprintjob>mlprintjob.wasFigureClosed	2	0.001	0.001	
isSLorSF	9	0.001	0.001	
tabular.tabular>tabular.tabular	1	0.001	0.001	
mlprintjob>mlprintjob.isPrintDriver	3	0.001	0.001	
DataIdentification>DataIdentification.DataIdentification	1	0.001	0.001	
fullfile>ensureTrailingFilesep	1	0.001	0.000	
autoSwitchToPaintersForPrint	1	0.001	0.001	
removeChartChildren	1	0.001	0.001	
mlprintjob>mlprintjob.isPaperPositionModeAuto	2	0.001	0.001	
mlprintjob>mlprintjob.imwriteArgsForRaster	1	0.001	0.001	

UnifiedAxesInteractions>UnifiedAxesInteractions.getCanvas	3	0.001	0.001	
fileparts>getExtension	3	0.001	0.001	
InteractionContainer>InteractionContainer.get.InteractionsArray	6	0.001	0.001	
ButtonImage.ButtonImage>ButtonImage.set.Layer	2	0.001	0.001	
uitools/private/allchildRootHelper	5	0.001	0.001	
prepareFigureFor	1	0.001	0.001	
TextInteractions>TextInteractions.getCanvas	9	0.001	0.001	
mustBeValidGraphicsObject	5	0.001	0.001	
convertStringToCharArgs	4	0.001	0.001	
FigureUtils>FigureUtils.isEditorSnapshotFigure	3	0.001	0.001	
printing/private/alternatePrintPath>LocalHasSceneViewer	2	0.001	0.001	
com.mathworks.hg.peer.HG2FigurePeer (Java method)	1	0.001	0.001	
rowNamesDim>rowNamesDim.rowNamesDim	1	0.001	0.001	
ButtonImage.ButtonImage>ButtonImage.updateCache	2	0.001	0.001	
printing/private/isfigure	5	0.001	0.001	
imagesci/private/writejpg>process_argument_value	2	0.001	0.001	
printing/private/adjustbackground>@(x,y)get(x,y)	6	0.001	0.001	
webwindow>@(varargin)obj.restoreCallbackState(varargin{:})	1	0.001	0.000	
PostUpdatePlugin>isAxesToolbarExcluded	1	0.001	0.001	
PositionUtils>PositionUtils.getPixelRectangleInPlatformPixels	1	0.001	0.001	
partialMatchString	2	0.001	0.001	
validatestring>checkInputs	2	0.001	0.001	
printEnhanceTextures>printEnhanceTextures.getInstance	1	0.001	0.001	
... InteractionContainer>BaseAxesInteractionContainer.set.CurrentMode	1	0.001	0.001	
FigureUtils>FigureUtils.isEditorEmbeddedFigure	3	0.001	0.001	
InteractionsList>InteractionsList.InteractionsList	6	0.001	0.001	
ensureServiceOn	1	0.001	0.001	
printing/private/handleSimulinkPrinting	1	0.001	0.000	
isCharOrString	5	0.001	0.001	
printing/private/inputcheck>LocalCheckDevice	1	0.001	0.001	
fullfile>addTrailingFileSep	1	0.001	0.001	
IconView>IconView.IconView	3	0.001	0.001	
ValidationHelper>GetCodedDimensions	2	0.001	0.001	
Capability>Capability.Current	2	0.001	0.001	
repmat>checkSizesType	26	0.001	0.001	
... ntjob>@(.)matlab.graphics.internal.mlprintjob.doCleanup(cleanupData)	1	0.001	0.001	
TextInteractionContainer>TextInteractionContainer.validateInteractions	3	0.001	0.001	
DataCursorBehavior>DataCursorBehavior.DataCursorBehavior	3	0.001	0.001	
usejava	3	0.001	0.001	
printing/private/adjustGridLineStyle	2	0.001	0.001	
fullfile>refinePath	1	0.001	0.001	
CustomEventInfo>CustomEventInfo.CustomEventInfo	1	0.001	0.001	
ToolbarButtonRegistry>ToolbarButtonRegistry.getButtonIcon	2	0.001	0.001	
isMatchingSize	2	0.001	0.001	
validateVariableNameLength	1	0.001	0.001	
isFigureShowEnabled	7	0.001	0.001	
EditInteraction>EditInteraction.EditInteraction	3	0.001	0.001	
isPublishingTest	5	0.001	0.001	

printing/private/printjobContentChanges>localHandleNoUIFlag	2	0.001	0.001	
...tackManager.ScribeStackManager>ScribeStackManager.getInstance	1	0.001	0.000	
ToolbarStateButton>ToolbarStateButton.set.Value	1	0.001	0.000	
ControlManager>ControlManager.sendPVPairsToControl	3	0.001	0.001	
Button.Button>Button.checkColorSpaceDependency	3	0.001	0.001	
metaDim>metaDim.checkReservedNames	1	0.001	0.000	
...odeStrategy>FigurePointerModeStrategy.FigurePointerModeStrategy	1	0.001	0.000	
ChildEventData>ChildEventData.ChildEventData	1	0.000	0.000	
ToolbarFactory>ToolbarFactory.getInstance	1	0.000	0.000	
cell.ismember	2	0.000	0.000	
printing/private/adjustbackground>color2matrix	6	0.000	0.000	
clearvars>parseArgs	1	0.000	0.000	
TableProperties>TableProperties.TableProperties	1	0.000	0.000	
getprinttemplate	2	0.000	0.000	
mlprintjob>mlprintjob.modifyUnitsForPrint/updatePixelFontUnits	1	0.000	0.000	
...sInteractionSet>DefaultAxesInteractionSet.DefaultAxesInteractionSet	1	0.000	0.000	
close>getEmptyHandleList	1	0.000	0.000	
DataCursorBehavior>DataCursorBehavior.dosupport	3	0.000	0.000	
webwindow>webwindow.restoreCallbackState	1	0.000	0.000	
Identification>Identification.Identification	1	0.000	0.000	
printing/private/alternatePrintPath>LocalGetSceneViewer	2	0.000	0.000	
logDDUXInfo>getWidthAndHeightFromPJ	1	0.000	0.000	
mlprintjob>mlprintjob.setOutputDeviceInfo	1	0.000	0.000	
Button.Button>Button.set.FaceType	2	0.000	0.000	
...ModeStrategy>FigureBasedModeStrategy.FigureBasedModeStrategy	1	0.000	0.000	
mpower	3	0.000	0.000	
printing/private/alternatePrintPath>LocalDealWithResizeFcn	1	0.000	0.000	
getFigureJavaFrame	1	0.000	0.000	
printing/private/printingConvertToExportStyle	1	0.000	0.000	
isUIFigure	1	0.000	0.000	
numberedNames	1	0.000	0.000	
printing/private/alternatePrintPath>LocalValidatePrintJob	1	0.000	0.000	
.../private/alternatePrintPath>@()ensureRendererSettingConsistency(pj)	1	0.000	0.000	
CustomProperties>CustomProperties.CustomProperties	1	0.000	0.000	
Button.Button>Button.set.BorderType	2	0.000	0.000	
printtables>localBuildOptions	3	0.000	0.000	
printtemplate	1	0.000	0.000	
mlprintjob>@(x)~isempty(x)	5	0.000	0.000	
InteractionContainer>InteractionContainer.get.Enabled	3	0.000	0.000	
printing/private/validate>locIsPageFormatOrPrinter	1	0.000	0.000	
graph2d/private/labelcheck>local_validlabelobj	3	0.000	0.000	
Button.Button>Button.set.Layer	2	0.000	0.000	
newplot>ObserveFigureNextPlot	1	0.000	0.000	
printing/private/alternatePrintPath>LocalRestoreAxesOldProps	1	0.000	0.000	
printHelper>printHelper.requestGCIfNeeded	1	0.000	0.000	
printing/private/alternatePrintPath>LocalWarnIfScalingUI	1	0.000	0.000	
.../private/printingGenerateOutput>locallsPrintHeaderHeaderSpecEmpty	1	0.000	0.000	
printing/private/blt	1	0.000	0.000	

printing/private/restoreExport	1	0.000	0.000	
printing/private/alternatePrintPath>LocalUpdateContainsTex	1	0.000	0.000	
printEnhanceTextures>printEnhanceTextures.printEnhanceTextures	1	0.000	0.000	
getSetCmdExecutionTypeIdle	1	0.000	0.000	
close>checkfigs	1	0.000	0.000	
...lbarButtonRegistry>ToolbarButtonRegistry.createContainerRegistration	2	0.000	0.000	
close>request_close	1	0.000	0.000	
printopt	2	0.000	0.000	
BaseAxesInteractionContainer>BaseAxesInteractionContainer.set.is2d	1	0.000	0.000	
PostUpdatePlugin>localGetCanvasContainingAncestor	1	0.000	0.000	
CanvasPlugin.CanvasPlugin>CanvasPlugin.CanvasPlugin	1	0.000	0.000	
updateSelectionState>setSelected	2	0.000	0.000	
InteractionContainer>InteractionContainer.clearList	3	0.000	0.000	
printing/private/alternatePrintPath>LocalDoTransparentBackground	1	0.000	0.000	
ScribeLayer.ScribeLayer>ScribeLayer.findCanvas	1	0.000	0.000	
printing/private/printingConvertToExportStyle>localInitializeStyle	1	0.000	0.000	
mustBeLessThanOrEqual	1	0.000	0.000	
TabularProperties>TabularProperties.TabularProperties	1	0.000	0.000	
mlprintjob>mlprintjob.getOutputDevice	1	0.000	0.000	
RedefinesDot.RedefinesDot>RedefinesDot.RedefinesDot	1	0.000	0.000	
mustBeGreaterThanOrEqual	1	0.000	0.000	
general/private/isfigure	1	0.000	0.000	
mustBeFinite	4	0.000	0.000	
IconView>IconView.addDecoration	2	0.000	0.000	
...ics.illustration.Legend') isa(obj,'matlab.graphics.illustration.ColorBar')	2	0.000	0.000	
...odCall>OverridesPublicDotMethodCall.OverridesPublicDotMethodCall	1	0.000	0.000	
mlprintjob>mlprintjob.needCheckForImageSize	2	0.000	0.000	
mlprintjob>mlprintjob.fixTilde	1	0.000	0.000	
tabularDimension>tabularDimension.tabularDimension	3	0.000	0.000	
varNamesDim>varNamesDim.orientAs	1	0.000	0.000	
mlprintjob>mlprintjob.doCleanup	1	0.000	0.000	
IconView>IconView.set.Selected	1	0.000	0.000	
saveLoadCompatibility>saveLoadCompatibility.saveLoadCompatibility	3	0.000	0.000	
...ePrintPath>LocalUpdateRenderer/ensureRendererSettingConsistency	1	0.000	0.000	
ToolbarStateButton>ToolbarStateButton.get.Value	1	0.000	0.000	
hasDisplay	2	0.000	0.000	
Control>Control.Control	3	0.000	0.000	
tabularDimension>tabularDimension.checkReservedNamesImpl	1	0.000	0.000	
HGBehavior>HGBehavior.HGBehavior	3	0.000	0.000	
PointerModeStrategy>PointerModeStrategy.PointerModeStrategy	1	0.000	0.000	
metaDim>metaDim.orientAs	1	0.000	0.000	
ToolTipMixin>ToolTipMixin.ToolTipMixin	2	0.000	0.000	
...ager.ScribeStackManager>ScribeStackManager.ScribeStackManager	1	0.000	0.000	
UnsupportedInUifigure>@()lastwarn(lastmsg,lastid)	1	0.000	0.000	
ImageSource>ImageSource.ImageSource	3	0.000	0.000	
...ractionContainer>TextInteractionContainer.getDefaultInteractionsArray	3	0.000	0.000	
cellstr	1	0.000	0.000	
BaseInteraction>BaseInteraction.BaseInteraction	3	0.000	0.000	

...otParen.RedefinesDotParen>RedefinesDotParen.RedefinesDotParen	1	0.000	0.000	
UnsupportedInUifigure>@()warning(w)	1	0.000	0.000	
ToolbarFactory>ToolbarFactory.ToolbarFactory	1	0.000	0.000	
ToolbarButtonRegistry>ToolbarButtonRegistry.ToolbarButtonRegistry	1	0.000	0.000	
BaseInteractionSet>BaseInteractionSet.BaseInteractionSet	1	0.000	0.000	
PositionUtils>PositionUtils.getPlatformPixelUnits	1	0.000	0.000	
AbstractModeStrategy>AbstractModeStrategy.AbstractModeStrategy	1	0.000	0.000	
...g,peer.PaintDisabled.isChildOfPaintDisabledContainer (Java method)	1	0.000	0.000	
...toolbox.matlab.webwindow.FocusManager.getInstance (Java method)	1	0.000	0.000	
PointerMixin>PointerMixin.PointerMixin	1	0.000	0.000	
RedefinesParen.RedefinesParen>RedefinesParen.RedefinesParen	1	0.000	0.000	
RedefinesBrace.RedefinesBrace>RedefinesBrace.RedefinesBrace	1	0.000	0.000	
...mathworks.toolbox.matlab.webwindow.FocusManager (Java method)	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.