

Profile Summary

Generated 08-Nov-2017 01:35:13 using performance time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
coarsegrid	1	344.740 s	344.000 s	
legend	1	0.391 s	0.010 s	
legend>make_legend	1	0.381 s	0.012 s	
Legend.Legend>Legend.Legend	1	0.227 s	0.024 s	
Legend.doSetup	1	0.171 s	0.020 s	
gini	1	0.156 s	0.016 s	
title	4	0.119 s	0.020 s	
Legend.doMethod	4	0.118 s	0.005 s	
...Manager>AxesLayoutManager.doUpdate	1	0.094 s	0.026 s	
Legend.doMethod>set_contextmenu	1	0.093 s	0.030 s	
area	1	0.092 s	0.014 s	
Legend.Legend>Legend.set.Axes	1	0.077 s	0.001 s	
Legend.Legend>Legend.set.Axes_l	1	0.074 s	0.002 s	
Legend.Legend>Legend.setAxesImpl	1	0.070 s	0.002 s	
graph2dhelper	10	0.066 s	0.005 s	
legendcolorbarlayout	2	0.057 s	0.002 s	
scribe/private/createScribeUIMenuEntry	9	0.045 s	0.010 s	
Area.Area>Area.Area	1	0.040 s	0.011 s	
Legend.getPreferredSize	1	0.037 s	0.001 s	
...nager>AxesLayoutManager.getManager	2	0.033 s	0.004 s	
interp	5	0.033 s	0.023 s	
hggetbehavior	1	0.032 s	0.004 s	
newplot	4	0.031 s	0.012 s	
hggetbehavior>localGet	1	0.028 s	0.007 s	
Legend.doMethod>getsize	1	0.021 s	0.003 s	
...>AxesLayoutManager.insertAboveAxes	1	0.021 s	0.008 s	
...anager>AxesLayoutManager.addToTree	1	0.021 s	0.003 s	

ctorHelper	2	0.019 s	0.003 s	
TAUCHEN	1	0.019 s	0.011 s	
hgbehaviorfactory	1	0.019 s	0.001 s	
hgbehaviorfactory>localCreate	1	0.018 s	0.005 s	
legend>getAutoChildren	1	0.017 s	0.001 s	
newplot>ObserveAxesNextPlot	4	0.017 s	0.003 s	
...enuEntry>localCreateLineWidthEntry	1	0.017 s	0.001 s	
Legend.doMethod>getsizeinfo	1	0.017 s	0.001 s	
ismember	4	0.016 s	0.003 s	
...ibeUIMenuEntry>localCreateNumEntry	1	0.016 s	0.010 s	
scribe/private/get_legendable_children	1	0.016 s	0.003 s	
...esLayoutManager.updateInnerOuterLists	1	0.015 s	0.006 s	
cla	3	0.014 s	0.004 s	
Legend.doMethod>getStringSizes	1	0.014 s	0.006 s	
legend>set_children_and_strings	1	0.014 s	0.008 s	
Area.getXYZDataExtents	5	0.014 s	0.005 s	
ismember>ismemberR2012a	4	0.013 s	0.007 s	
updateFontProperties	1	0.013 s	0.006 s	
Legend.attachAxesListeners	1	0.013 s	0.006 s	
Legend.Legend>Legend.set.Location	1	0.011 s	0.001 s	
hgbehaviorfactory>localGetBehaviorInfo	1	0.011 s	0.011 s	
num2str	27	0.011 s	0.006 s	
...beUIMenuEntry>localCreateEnumEntry	3	0.011 s	0.010 s	
findall	5	0.009 s	0.005 s	
...r>AxesLayoutManager.ValidateObject	1	0.009 s	0.002 s	
Legend.Legend>Legend.setLayoutPosition	1	0.009 s	0.001 s	
Legend.Legend>Legend.set.Location_1	1	0.009 s	0.002 s	
legend>process_inputs	1	0.009 s	0.009 s	
normcdf	40	0.008 s	0.004 s	
graphics/private/clo	3	0.008 s	0.008 s	
Legend.setupBoxEdge	1	0.008 s	0.008 s	

Legend.Legend>Legend.set.Position_l	1	0.008 s	0.003 s	
Legend.Legend>Legend.get.String	2	0.008 s	0.001 s	
...r.AxesLayoutManager>findTrueParent	1	0.008 s	0.001 s	
scribe/private/expandLegendChildren	1	0.007 s	0.007 s	
Legend.Legend>Legend.get.String_l	2	0.007 s	0.001 s	
xlabel	1	0.007 s	0.006 s	
flipud	8	0.007 s	0.003 s	
...ry>localCreateTextInterpreterEntry	1	0.007 s	0.002 s	
ismember>ismemberClassTypes	4	0.007 s	0.007 s	
parseplotapi	1	0.007 s	0.003 s	
Legend.Legend>Legend.getStringImpl	2	0.007 s	0.003 s	
...Legend>Legend.set.SelfListenerList	1	0.006 s	0.002 s	
ylabel	1	0.006 s	0.006 s	
Legend.Legend>Legend.set.PlotChildren_l	1	0.006 s	0.002 s	
...t:AxesLayoutManager.AxesLayoutManager	1	0.006 s	0.001 s	
specgraph/private/areaHelper	2	0.006 s	0.003 s	
Legend.Legend>Legend.setLocationImpl	1	0.006 s	0.002 s	
...tManager.removeInvalidLayoutListItems	1	0.005 s	0.001 s	
axis	2	0.005 s	0.004 s	
toeplitz	5	0.005 s	0.005 s	
...Legend>Legend.set.AxesListenerList	3	0.005 s	0.002 s	
Area.doPostSetup	1	0.005 s	0.001 s	
...nager>AxesLayoutManager.findMethod	4	0.005 s	0.005 s	
repmat	1	0.005 s	0.004 s	
Legend.Legend>Legend.setPositionImpl	1	0.005 s	0.005 s	
xychk	1	0.005 s	0.005 s	
...Manager>AxesLayoutManager.set.Axes	1	0.005 s	0.001 s	
Legend.Legend>Legend.set.PositionCache	1	0.005 s	0.004 s	
Legend.Legend>Legend.set.Camera_l	1	0.004 s	0.004 s	
arraytolimits	15	0.004 s	0.004 s	
hold	1	0.004 s	0.003 s	

...er>@(h,e)localReparentCB(h,e,hObj)	2	0.004 s	0.001 s	
normcdf>localnormcdf	40	0.004 s	0.004 s	
Area.Area>Area.set.YCoords	1	0.004 s	0.001 s	
flip	7	0.004 s	0.004 s	
is2D	1	0.004 s	0.004 s	
area>parseargs	1	0.004 s	0.001 s	
...gt;AxesLayoutManager.addAxesListeners	1	0.004 s	0.004 s	
Area.Area>Area.set.FaceColor	1	0.004 s	0.001 s	
scribe/private/islegendable	5	0.004 s	0.003 s	
Area.Area>Area.set.CCoords	1	0.004 s	0.001 s	
Area.Area>Area.set.XCoords	1	0.004 s	0.001 s	
hankel	10	0.003 s	0.003 s	
Legend.Legend>Legend.get.Orientation_I	3	0.003 s	0.003 s	
...ager.addAxesListeners/localReparentCB	2	0.003 s	0.003 s	
Legend.Legend>Legend.get.PlotChildren_I	5	0.003 s	0.002 s	
Legend.addToLayout	1	0.003 s	0.002 s	
...egend>Legend.set.SelectionHandle_I	1	0.003 s	0.003 s	
specgraphhelper	1	0.003 s	0.001 s	
Legend.Legend>Legend.set.BoxFace_I	1	0.003 s	0.002 s	
Legend.Legend>Legend.set.BoxEdge_I	1	0.003 s	0.002 s	
Legend.doPostSetup	1	0.003 s	0.001 s	
Legend.Legend>Legend.set.DataSpace_I	1	0.003 s	0.002 s	
num2str>handleNumericPrecision	2	0.003 s	0.001 s	
int2str	25	0.003 s	0.003 s	
axescheck	2	0.003 s	0.003 s	
usev6plotapi	1	0.003 s	0.003 s	
Legend.Legend>Legend.set.ColorSpace_I	1	0.003 s	0.002 s	
...Legend>Legend.set.EntryContainer_I	1	0.003 s	0.002 s	
Area.Area>Area.set.Edge_I	1	0.003 s	0.002 s	
...d>Legend.set.DecorationContainer_I	1	0.003 s	0.002 s	
graphics/private/claNotify	3	0.003 s	0.003 s	

Area.Area>Area.set.Face_I	1	0.002 s	0.002 s	
...gend>Legend.set.SelfListenerList_I	1	0.002 s	0.002 s	
Legend.Legend>Legend.setPlotChildrenImpl	1	0.002 s	0.002 s	
Legend.Legend>Legend.get.Axes_I	6	0.002 s	0.002 s	
preprocessextexts	5	0.002 s	0.002 s	
Area.getColorAlphaDataExtents	5	0.002 s	0.001 s	
...>PlotEditBehavior.PlotEditBehavior	1	0.002 s	0.001 s	
Legend.Legend>Legend.set.Color_I	1	0.002 s	0.002 s	
Legend.Legend>Legend.get.Units	1	0.002 s	0.001 s	
Legend.Legend>Legend.get.PlotChildren	4	0.002 s	0.001 s	
...Legend>Legend.get.AxesListenerList	6	0.002 s	0.001 s	
parseparams	1	0.002 s	0.002 s	
...nd>Legend.set.SelfListenerListMode	1	0.002 s	0.002 s	
legend>find_legend	1	0.002 s	0.002 s	
Legend.Legend>Legend.set.EdgeColor_I	1	0.002 s	0.002 s	
...UIMenuEntry>localCreateActionEntry	2	0.002 s	0.002 s	
Legend.Legend>Legend.set.version	1	0.002 s	0.002 s	
Area.Area>Area.doSetup	1	0.002 s	0.002 s	
grid	1	0.002 s	0.002 s	
Legend.Legend>Legend.set.AxesMode	1	0.002 s	0.002 s	
...>showHiddenHandlesToFindAllHandles	5	0.002 s	0.002 s	
...ager>AxesLayoutManager.addToLayout	2	0.002 s	0.002 s	
Legend.Legend>Legend.get.Position_I	2	0.002 s	0.001 s	
graph2d/private/labelcheck	6	0.002 s	0.002 s	
...vate/areaHelper>localComputeCoords	1	0.002 s	0.002 s	
Legend.Legend>Legend.get.Axes	5	0.002 s	0.001 s	
num2str>convertUsingRecycledSprintf	2	0.002 s	0.002 s	
ishold	4	0.002 s	0.002 s	
...eUIMenuEntry>localCreateColorEntry	2	0.002 s	0.002 s	
onCleanup>onCleanup.delete	5	0.002 s	0.001 s	
Legend.Legend>Legend.set.TextColor_I	1	0.002 s	0.001 s	

Legend.Legend>Legend.getPlotChildrenImpl	5	0.002 s	0.002 s	
Legend.Legend>Legend.set.FontAngle_I	1	0.002 s	0.001 s	
...nd>Legend.set.AxesListenerListMode	3	0.002 s	0.001 s	
Legend.Legend>Legend.set.FontWeight_I	1	0.002 s	0.001 s	
Legend.Legend>Legend.set.FontName_I	1	0.002 s	0.001 s	
...gend>Legend.set.AxesListenerList_I	3	0.002 s	0.001 s	
...Legend>Legend.get.SelfListenerList	2	0.002 s	0.001 s	
Legend.Legend>Legend.get.Units_I	1	0.002 s	0.001 s	
Area.Area>Area.set.FaceColor_I	1	0.001 s	0.001 s	
Legend.Legend>Legend.set.FontSize_I	1	0.001 s	0.001 s	
Area.Area>Area.set.YCoords_I	1	0.001 s	0.001 s	
specgraph/private/getRealData	1	0.001 s	0.001 s	
...utManager>AxesLayoutManager.is2Dim	1	0.001 s	0.001 s	
Legend.Legend>Legend.set.LocationMode	1	0.001 s	0.001 s	
Area.Area>Area.set.YCoordsMode	1	0.001 s	0.001 s	
Area.Area>Area.set.CCoords_I	1	0.001 s	0.001 s	
Area.Area>Area.set.XCoords_I	1	0.001 s	0.001 s	
newplot>ObserveFigureNextPlot	4	0.001 s	0.001 s	
...beUIMenuEntry>localCreateFontEntry	1	0.001 s	0.001 s	
Area.Area>Area.set.FaceColorMode	1	0.001 s	0.001 s	
...ponent>ListComponent.ListComponent	1	0.001 s	0.001 s	
Area.Area>Area.set.CCoordsMode	1	0.001 s	0.001 s	
Area.Area>Area.set.XCoordsMode	1	0.001 s	0.001 s	
Legend.setParentImpl	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.Interpreter	5	0.001 s	0.001 s	
Area.Area>Area.set.BaseArea	1	0.001 s	0.001 s	
linspace	2	0.001 s	0.001 s	
hggetbehavior>localPeek	1	0.001 s	0.001 s	
Area.Area>Area.get.LineStyle	1	0.001 s	0.001 s	
...ehavior>PlotEditBehavior.dosupport	1	0.001 s	0.001 s	
hasbehavior	5	0.001 s	0.001 s	

signal/private/chkinputdatatype	5	0.001 s	0.001 s	
Legend.Legend>Legend.get.EdgeColor	2	0.001 s	0.001 s	
Legend.Legend>Legend.get.Location_I	3	0.001 s	0.001 s	
Legend.Legend>Legend.getPositionImpl	2	0.001 s	0.001 s	
Legend.Legend>Legend.get.PositionCache	1	0.001 s	0.001 s	
HGBehavior>HGBehavior.HGBehavior	1	0.001 s	0.001 s	
Legend.Legend>Legend.set.CLim_I	1	0.001 s	0.001 s	
Legend.Legend>Legend.set.PositionMode	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.BoxFace	6	0.001 s	0.001 s	
Legend.Legend>Legend.get.Color	2	0.001 s	0.001 s	
...ayoutManager>addInstancePropToAxes	1	0.001 s	0.001 s	
...ayoutManager>setInstancePropOnAxes	1	0.001 s	0.001 s	
...e(['MATLAB:uistring:scribemenu:',x]))	7	0.001 s	0.001 s	
Legend.Legend>Legend.get.BoxEdge	16	0.001 s	0.001 s	
...set(rootobj,'ShowHiddenHandles',Temp)	5	0.001 s	0.001 s	
Area.Area>Area.get.XCoords	5	0.001 s	0.001 s	
onCleanup>onCleanup.onCleanup	5	0.001 s	0.001 s	
Legend.Legend>Legend.get.ItemTokenSize	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.UnitsImpl	1	0.001 s	0.001 s	
axis>LocSetTight	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.OrientationImpl	3	0.001 s	0.001 s	
Area.Area>Area.get.CCoords	5	0.001 s	0.001 s	
Area.Area>Area.get.YCoords	5	0.001 s	0.001 s	
Legend.getPreferredLocation	1	0.001 s	0.001 s	
...ivate/areaHelper>localAddListeners	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.Camera_I	10	0.001 s	0.001 s	
...e(['MATLAB:uistring:scribemenu:',x]))	3	0.001 s	0.001 s	
repmat>@(x)double(full(x))	2	0.001 s	0.001 s	
Legend.Legend>Legend.get.Camera	9	0.001 s	0.000 s	
...gend>Legend.get.AxesListenerList_I	9	0.001 s	0.001 s	
...r>AxesLayoutManager.isValidParent	1	0.001 s	0.001 s	

Legend.Legend>Legend.get.Orientation	2	0.001 s	0.001 s	
Legend.Legend>Legend.get.BoxFace_I	7	0.001 s	0.001 s	
Area.Area>Area.get.Edge	6	0.001 s	0.000 s	
...sLayoutManager.syncLayoutInfoFromAxes	1	0.001 s	0.001 s	
...gend>Legend.get.SelfListenerList_I	3	0.001 s	0.001 s	
Legend.removeAllEntries	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.AxesImpl	6	0.001 s	0.001 s	
Legend.Legend>Legend.get.BoxEdge_I	17	0.001 s	0.001 s	
Legend.Legend>Legend.get.Location	2	0.001 s	0.000 s	
...end>Legend.get.DecorationContainer	5	0.001 s	0.000 s	
Legend.Legend>Legend.get.BackgroundColor	1	0.001 s	0.000 s	
Legend.Legend>Legend.get.EntryContainer	5	0.001 s	0.000 s	
Legend.Legend>Legend.get.SelectionHandle	3	0.001 s	0.000 s	
...teners>@(h,e)hObj.MarkDirty('all')	1	0.001 s	0.001 s	
Legend.Legend>Legend.get.ColorSpace	5	0.001 s	0.000 s	
Legend.Legend>Legend.get.DataSpace	4	0.001 s	0.000 s	
specgraph/private/checkpvpairs	1	0.000 s	0.000 s	
Area.Area>Area.get.Face	3	0.000 s	0.000 s	
Area.Area>Area.get.AlignVertexCenters_I	1	0.000 s	0.000 s	
Area.Area>Area.get.Edge_I	7	0.000 s	0.000 s	
Area.Area>Area.get.LineWidth_I	1	0.000 s	0.000 s	
...egend>Legend.get.SelectionHandle_I	4	0.000 s	0.000 s	
...Legend>Legend.get.EntryContainer_I	6	0.000 s	0.000 s	
...d>Legend.get.DecorationContainer_I	6	0.000 s	0.000 s	
...@(obj,evd)(hObj.sendDataChangedEvent)	4	0.000 s	0.000 s	
Legend.Legend>Legend.get.ColorSpace_I	6	0.000 s	0.000 s	
Area.Area>Area.get.XCoords_I	6	0.000 s	0.000 s	
Legend.Legend>Legend.get.DataSpace_I	5	0.000 s	0.000 s	
legend>check_pv_args	1	0.000 s	0.000 s	
Area.Area>Area.get.Face_I	4	0.000 s	0.000 s	
Area.Area>Area.get.CCoords_I	6	0.000 s	0.000 s	

Legend.Legend>Legend.get.EdgeColor_I	3	0.000 s	0.000 s	
...>@(obj,evd)(hObj.MarkDirty('all'))	1	0.000 s	0.000 s	
specgraph/private/datachk	2	0.000 s	0.000 s	
Area.Area>Area.get.YCoords_I	6	0.000 s	0.000 s	
...nd>Legend.get.SelfListenerListMode	1	0.000 s	0.000 s	
axis>allAxes	2	0.000 s	0.000 s	
Legend.Legend>Legend.get.Box_I	3	0.000 s	0.000 s	
Legend.Legend>Legend.get.Color_I	4	0.000 s	0.000 s	
Legend.Legend>Legend.get.Interpreter_I	5	0.000 s	0.000 s	
Legend.Legend>Legend.get.PositionMode	2	0.000 s	0.000 s	
Legend.doMethod>setButtonDownFcn	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.version	2	0.000 s	0.000 s	
Area.Area>Area.get.LineStyle_I	1	0.000 s	0.000 s	
Area.Area>Area.doGetBaselineAxis	5	0.000 s	0.000 s	
Legend.Legend>Legend.get.LineWidth_I	2	0.000 s	0.000 s	
Area.Area>Area.get.Clipping_I	2	0.000 s	0.000 s	
Legend.Legend>Legend.getLocationImpl	3	0.000 s	0.000 s	
...nd>Legend.get.AxesListenerListMode	3	0.000 s	0.000 s	
Legend.Legend>Legend.get.TextColor_I	2	0.000 s	0.000 s	
Legend.Legend>Legend.get.FontAngle_I	3	0.000 s	0.000 s	
...er>AxesLayoutManager.getParentImpl	4	0.000 s	0.000 s	
Legend.Legend>Legend.get.FontName_I	3	0.000 s	0.000 s	
Legend.Legend>Legend.get.FontSize_I	3	0.000 s	0.000 s	
Legend.Legend>Legend.get.FontWeight_I	3	0.000 s	0.000 s	
Legend.Legend>Legend.get.LocationMode	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.AxesMode	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.FontNameMode	1	0.000 s	0.000 s	
Area.Area>Area.get.XCoordsMode	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.FontAngleMode	1	0.000 s	0.000 s	
Area.Area>Area.get.FaceColorMode	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.FontWeightMode	1	0.000 s	0.000 s	

Legend.Legend>Legend.get.FontSizeMode	1	0.000 s	0.000 s	
Area.Area>Area.get.YCoordsMode	1	0.000 s	0.000 s	
Area.Area>Area.get.BaseArea	2	0.000 s	0.000 s	
Area.Area>Area.get.CCoordsMode	1	0.000 s	0.000 s	
Area.Area>Area.get.FaceColor_I	1	0.000 s	0.000 s	
Legend.Legend>Legend.get.ItemTokenSize_I	1	0.000 s	0.000 s	
Legend.isStretchToFill	1	0.000 s	0.000 s	

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