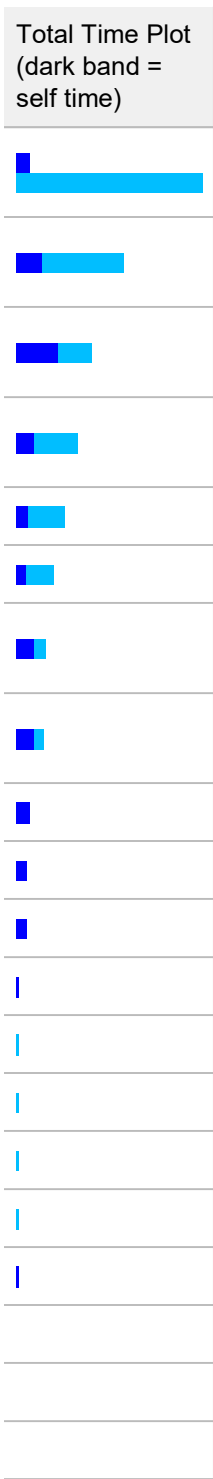


Profile Summary

Generated 20-Mar-2021 23:48:50 using performance time.

Function Name	Calls	Total Time	Self Time*
ScriptFileForSAPlotFinal	1	121.440 s	7.926 s
SuboptimalAlgorithm2	2500	65.620 s	16.342 s
SuboptimalAlgorithm1	2500	46.202 s	25.951 s
eigs	87820	37.732 s	10.783 s
union	280960	30.088 s	7.675 s
union>unionR2012a	280960	22.413 s	5.758 s
eigs>checkInputs	87820	18.153 s	10.725 s
unique	285960	16.997 s	11.173 s
eigs>fullEig	87820	8.796 s	8.796 s
eigs>checkInputs/LUfactorB	87820	5.889 s	5.889 s
unique>uniqueR2012a	285960	5.823 s	5.823 s
cell.ismember	87820	1.292 s	1.292 s
legend	5	1.228 s	0.028 s
legend>make_legend	5	1.185 s	0.120 s
ismember	47681	1.086 s	0.277 s
setdiff	5000	0.826 s	0.163 s
ismember>ismemberR2012a	47681	0.809 s	0.615 s
setdiff>setdiffR2012a	5000	0.663 s	0.149 s
Legend.Legend>Legend.Legend	5	0.637 s	0.068 s
Legend.doSetup	5	0.496 s	0.044 s



Legend.doMethod	22	0.431 s	0.010 s
Legend.doMethod>set_contextmenu	5	0.355 s	0.109 s
graph2dhelper	61	0.325 s	0.048 s
...Manager>AxesLayoutManager.doUpdate	9	0.306 s	0.074 s
...(arraytoconvert)int64(arraytoconvert)	87820	0.248 s	0.248 s
title	5	0.224 s	0.033 s
Legend.Legend>Legend.set.Axes	5	0.193 s	0.002 s
Legend.Legend>Legend.set.Axes_I	5	0.188 s	0.004 s
Legend.Legend>Legend.setAxesImpl	5	0.183 s	0.008 s
ismember>ismemberBuiltinTypes	47660	0.178 s	0.178 s
scribe\private\createScribeUIMenuEntry	50	0.160 s	0.013 s
legendcolorbarlayout	10	0.154 s	0.055 s
Legend.getPreferredSize	6	0.130 s	0.011 s
ylabel	5	0.127 s	0.025 s
legend>delete_legend	3	0.085 s	0.005 s
scribe\private\updateLegendMenuToolbar	6	0.073 s	0.038 s
Legend.doSetup>@(h.e)hObj.doDelete	3	0.073 s	0.002 s
Legend.doDelete	3	0.070 s	0.002 s
...enuEntry>localCreateLineWidthEntry	5	0.067 s	0.001 s
...ibeUIMenuEntry>localCreateNumEntry	5	0.066 s	0.049 s
Legend.doMethod>getsizeinfo	6	0.061 s	0.018 s
...anager>AxesLayoutManager.addToTree	5	0.055 s	0.010 s
hggetbehavior	10	0.053 s	0.003 s
...beUIMenuEntry>localCreateEnumEntry	15	0.052 s	0.047 s
hggetbehavior>localGet	10	0.051 s	0.017 s
newplot	10	0.051 s	0.017 s
...esLayoutManager.updateInnerOuterLists	9	0.051 s	0.020 s

legend>getAutoChildren	5	0.048 s	0.001 s
findall	29	0.044 s	0.027 s
scribe\private\get_legendable_children	5	0.044 s	0.010 s
...nager>AxesLayoutManager.getManager	10	0.042 s	0.009 s
is2D	5	0.037 s	0.002 s
is2D>testOneAxes	5	0.036 s	0.012 s
Legend.doMethod>getStringSizes	6	0.033 s	0.012 s
...r>AxesLayoutManager.ValidateObject	5	0.031 s	0.006 s
hgbehaviorfactory	10	0.029 s	0.001 s
hgbehaviorfactory>localCreate	10	0.028 s	0.011 s
Legend.setupBoxEdge	5	0.026 s	0.023 s
Legend.attachAxesListeners	5	0.026 s	0.012 s
newplot>ObserveAxesNextPlot	10	0.025 s	0.007 s
xlabel	5	0.024 s	0.020 s
updateFontProperties	6	0.023 s	0.018 s
...>AxesLayoutManager.insertAboveAxes	2	0.023 s	0.007 s
Legend.Legend>Legend.set.Location	5	0.023 s	0.002 s
Legend.updateTitleProperties	6	0.023 s	0.023 s
num2str	125	0.022 s	0.014 s
...nager>AxesLayoutManager.findMethod	20	0.021 s	0.021 s
hold	11	0.021 s	0.016 s
...tManager.removeInvalidLayoutListItems	9	0.020 s	0.004 s
legend>set_children_and_strings	5	0.019 s	0.008 s
allchild	8	0.019 s	0.011 s
...ry>localCreateTextInterpreterEntry	5	0.019 s	0.005 s
Legend.Legend>Legend.get.String	6	0.019 s	0.001 s
Legend.Legend>Legend.set.Location_1	5	0.018 s	0.004 s

Legend.Legend>Legend.get.String_I	6	0.018 s	0.002 s
cla	2	0.018 s	0.012 s
Legend.Legend>Legend.setLayoutPosition	6	0.017 s	0.003 s
Legend.Legend>Legend.getStringImpl	6	0.016 s	0.007 s
ismember>ismemberClassTypes	21	0.016 s	0.016 s
uigettool	2	0.015 s	0.008 s
scribe\private\expandLegendChildren	5	0.015 s	0.015 s
flipud	28	0.014 s	0.007 s
cell.strcat	10	0.014 s	0.011 s
...ger.AxesLayoutManager>convertUnits	87	0.014 s	0.014 s
Legend.Legend>Legend.set.Position_I	6	0.014 s	0.006 s
Legend.Legend>Legend.setLocationImpl	5	0.014 s	0.004 s
...per('updateLegendMenuToolbar'.h.e.[])	3	0.013 s	0.001 s
close	1	0.013 s	0.002 s
Legend.Legend>Legend.set.PlotChildren_I	5	0.011 s	0.004 s
close>safegetchildren	1	0.011 s	0.004 s
...UIMenuEntry>localCreateActionEntry	15	0.010 s	0.010 s
legend>process_inputs	5	0.010 s	0.010 s
hgbehaviorfactory>localGetBehaviorInfo	10	0.010 s	0.010 s
...Legend>Legend.set.AxesListenerList	15	0.009 s	0.005 s
Legend.doMethod>getsize	6	0.009 s	0.005 s
scribe\private\islegendable	22	0.009 s	0.007 s
...t:AxesLayoutManager.AxesLayoutManager	2	0.009 s	0.005 s
int2str	125	0.008 s	0.008 s
Legend.addToLayout	6	0.008 s	0.005 s
...r.AxesLayoutManager>findTrueParent	2	0.008 s	0.000 s
...Legend>Legend.set.SelfListenerList	5	0.008 s	0.003 s

gobjects	20	0.008 s	0.008 s
onCleanup>onCleanup.delete	37	0.007 s	0.003 s
Legend.Legend>Legend.get.Position_I	14	0.007 s	0.002 s
...egend>Legend.set.SelectionHandle_I	5	0.007 s	0.006 s
Legend.Legend>Legend.get.Units	6	0.007 s	0.002 s
flip	28	0.007 s	0.007 s
...>showHiddenHandlesToFindAllHandles	29	0.007 s	0.007 s
Legend.Legend>Legend.set.BoxEdge_I	5	0.007 s	0.006 s
Legend.Legend>Legend.set.BoxFace_I	5	0.007 s	0.006 s
...eUIMenuEntry>localCreateColorEntry	10	0.007 s	0.007 s
Legend.Legend>Legend.get.BackgroundColor	6	0.006 s	0.004 s
Legend.Legend>Legend.get.Axes	32	0.006 s	0.003 s
...Legend>Legend.set.TitleSeparator_I	5	0.006 s	0.006 s
...d>Legend.set.DecorationContainer_I	5	0.006 s	0.005 s
Legend.doMethod>@(h,e)delete(uic)	3	0.006 s	0.006 s
Legend.Legend>Legend.set.ColorSpace_I	5	0.006 s	0.005 s
Legend.Legend>Legend.set.DataSpace_I	5	0.006 s	0.005 s
...Legend>Legend.set.EntryContainer_I	5	0.006 s	0.005 s
...er>@(h,e)localReparentCB(h,e,hObj)	4	0.006 s	0.001 s
Legend.Legend>Legend.setPlotChildrenImpl	5	0.006 s	0.004 s
Legend.Legend>Legend.set.EdgeColor_I	5	0.006 s	0.005 s
ishold	10	0.006 s	0.006 s
Legend.Legend>Legend.getPositionImpl	14	0.005 s	0.005 s
Legend.Legend>Legend.get.PlotChildren_I	17	0.005 s	0.003 s
Legend.Legend>Legend.get.PlotChildren	12	0.005 s	0.002 s
Legend.Legend>Legend.get.Units_I	6	0.005 s	0.002 s
Legend.Legend>Legend.set.Camera_I	5	0.005 s	0.005 s

...ager>AxesLayoutManager.addToLayout	10	0.005 s	0.005 s
Legend.getPreferredLocation	6	0.005 s	0.002 s
...ager.addAxesListeners/localReparentCB	4	0.005 s	0.004 s
Legend.doMethod>supportsTitle	6	0.005 s	0.002 s
...>PlotEditBehavior.PlotEditBehavior	5	0.005 s	0.004 s
...utManager>AxesLayoutManager.is2Dim	9	0.004 s	0.004 s
Legend.Legend>Legend.get.Orientation	12	0.004 s	0.002 s
Legend.Legend>Legend.get.Axes_I	37	0.004 s	0.003 s
Legend.Legend>Legend.get.Location	12	0.004 s	0.002 s
graphics\private\clo	2	0.004 s	0.004 s
allchild>getchildren	8	0.004 s	0.004 s
...Legend>Legend.get.AxesListenerList	30	0.004 s	0.003 s
onCleanup>onCleanup.onCleanup	37	0.004 s	0.004 s
legend>find_legend	5	0.004 s	0.003 s
Legend.Legend>Legend.setPositionImpl	3	0.004 s	0.003 s
...beUIMenuEntry>localCreateFontEntry	5	0.004 s	0.004 s
...nd>Legend.set.AxesListenerListMode	15	0.004 s	0.003 s
...Manager>AxesLayoutManager.set.Axes	2	0.004 s	0.001 s
...nd>Legend.set.SelfListenerListMode	5	0.004 s	0.003 s
Legend.Legend>Legend.getUnitsImpl	6	0.004 s	0.003 s
...set(rootobj,'ShowHiddenHandles',Temp)	29	0.003 s	0.003 s
Legend.Legend>Legend.set.CLim_I	5	0.003 s	0.003 s
axescheck	11	0.003 s	0.003 s
...gt;AxesLayoutManager.addAxesListeners	2	0.003 s	0.003 s
Legend.Legend>Legend.get.BoxEdge	80	0.003 s	0.002 s
Legend.setParentImpl	5	0.003 s	0.002 s
Legend.Legend>Legend.get.Orientation_I	17	0.003 s	0.002 s

graph2d\private\labelcheck	15	0.003 s	0.003 s
Legend.Legend>Legend.getPlotChildrenImpl	17	0.003 s	0.003 s
Legend.Legend>Legend.set.AxesMode	5	0.003 s	0.002 s
...doMethod>@(x)getString(message(x))	35	0.003 s	0.003 s
Legend.Legend>Legend.set.LocationMode	5	0.003 s	0.002 s
Legend.Legend>Legend.get.Camera	52	0.003 s	0.001 s
Legend.Legend>Legend.get.TitleSeparator	70	0.003 s	0.001 s
...uToolbar>isValidLegendHandleObject	6	0.003 s	0.003 s
Legend.Legend>Legend.get.Location_l	17	0.003 s	0.002 s
hasbehavior	22	0.002 s	0.002 s
...Legend>Legend.get.SelfListenerList	10	0.002 s	0.002 s
markFigure	16	0.002 s	0.002 s
...r>AxesLayoutManager.isValidParent	6	0.002 s	0.002 s
Legend.doPostSetup	5	0.002 s	0.001 s
cellstr	10	0.002 s	0.002 s
Legend.Legend>Legend.get.EdgeColor	20	0.002 s	0.002 s
Legend.Legend>Legend.get.ItemTokenSize	6	0.002 s	0.002 s
...havior>PrintBehavior.PrintBehavior	5	0.002 s	0.001 s
Legend.Legend>Legend.get.Interpreter	12	0.002 s	0.002 s
Legend.Legend>Legend.get.Color	11	0.002 s	0.002 s
Legend.Legend>Legend.get.BoxFace	25	0.002 s	0.001 s
...end>Legend.get.DecorationContainer	30	0.002 s	0.001 s
...ponent>ListComponent.ListComponent	6	0.002 s	0.002 s
...teners>@(h.e)hObj.MarkDirty('all')	8	0.002 s	0.002 s
hggetbehavior>localPeek	10	0.002 s	0.002 s
Legend.removeAllEntries	5	0.002 s	0.002 s
Legend.doGetChildren	8	0.002 s	0.002 s

Legend.Legend>Legend.get.EntryContainer	21	0.002 s	0.001 s
Legend.doMethod>hasTitle	6	0.002 s	0.002 s
Legend.Legend>Legend.get.ColorSpace	25	0.002 s	0.001 s
...e(['MATLAB:uistring:scribemenu:.x]))	15	0.002 s	0.002 s
...ehavior>PlotEditBehavior.dosupport	5	0.002 s	0.002 s
Legend.Legend>Legend.get.FontWeightMode	6	0.002 s	0.002 s
Legend.Legend>Legend.set.PositionMode	5	0.002 s	0.001 s
Legend.Legend>Legend.get.DataSpace	20	0.002 s	0.001 s
HGBehavior>HGBehavior.HGBehavior	10	0.002 s	0.002 s
newplot>ObserveFigureNextPlot	10	0.002 s	0.002 s
graphics\private\claNotify	2	0.002 s	0.002 s
...>@(obj,evd)(hObj.MarkDirty('all'))	10	0.002 s	0.002 s
Legend.Legend>Legend.get.BoxEdge_I	85	0.002 s	0.002 s
Legend.Legend>Legend.get.SelectionHandle	15	0.002 s	0.001 s
...set(rootobj,'ShowHiddenHandles'.Temp)	8	0.001 s	0.001 s
...fo>MenuToolbarInfo.MenuToolbarInfo	1	0.001 s	0.001 s
...gend>Legend.get.AxesListenerList_I	45	0.001 s	0.001 s
...Legend>Legend.get.TitleSeparator_I	75	0.001 s	0.001 s
Legend.Legend>Legend.get.Camera_I	57	0.001 s	0.001 s
Legend.Legend>Legend.get.Box	6	0.001 s	0.001 s
...sLayoutManager.syncLayoutInfoFromAxes	9	0.001 s	0.001 s
...gend>Legend.set.SelfListenerList_I	5	0.001 s	0.001 s
Legend.Legend>Legend.getAxesImpl	37	0.001 s	0.001 s
Legend.Legend>Legend.set.version	5	0.001 s	0.001 s
PrintBehavior>PrintBehavior.dosupport	5	0.001 s	0.001 s
...d>Legend.get.DecorationContainer_I	35	0.001 s	0.001 s
...ager>@(~,~)(hObj.MarkDirty('all'))	3	0.001 s	0.001 s

Legend.Legend>Legend.get.Box_I	31	0.001 s	0.001 s
Legend.Legend>Legend.get.BoxFace_I	30	0.001 s	0.001 s
Legend.Legend>Legend.get.ColorSpace_I	30	0.001 s	0.001 s
...Legend>Legend.get.EntryContainer_I	26	0.001 s	0.001 s
Legend.Legend>Legend.set.PositionCache	5	0.001 s	0.001 s
...egend>Legend.get.SelectionHandle_I	20	0.001 s	0.001 s
Legend.Legend>Legend.get.DataSpace_I	25	0.001 s	0.001 s
...ayoutManager>setInstancePropOnAxes	2	0.001 s	0.001 s
Legend.Legend>Legend.get.EdgeColor_I	25	0.001 s	0.001 s
Legend.doMethod>setButtonDownFcn	5	0.001 s	0.001 s
uitools\private\allchildRootHelper	8	0.001 s	0.001 s
...gend>Legend.set.AxesListenerList_I	15	0.001 s	0.001 s
Legend.Legend>Legend.get.LineWidth_I	20	0.001 s	0.001 s
...gend>Legend.get.SelfListenerList_I	15	0.001 s	0.001 s
Legend.Legend>Legend.get.OrientationImpl	17	0.001 s	0.001 s
Legend.Legend>Legend.get.Color_I	16	0.001 s	0.001 s
...ayoutManager>addInstancePropToAxes	2	0.001 s	0.001 s
Legend.Legend>Legend.get.FontName_I	12	0.001 s	0.001 s
Legend.Legend>Legend.get.FontSize_I	12	0.001 s	0.001 s
legend>check_pv_args	5	0.001 s	0.001 s
...nd>Legend.get.AxesListenerListMode	15	0.001 s	0.001 s
ischarlike	45	0.001 s	0.001 s
Legend.Legend>Legend.get.FontNameMode	6	0.001 s	0.001 s
Legend.Legend>Legend.get.ItemTokenSize_I	6	0.001 s	0.001 s
Legend.Legend>Legend.get.FontAngle_I	12	0.001 s	0.001 s
Legend.Legend>Legend.getLocationImpl	17	0.001 s	0.001 s
...nd>Legend.get.SelfListenerListMode	5	0.001 s	0.001 s

Legend.Legend>Legend.get.FontWeight_I	12	0.001 s	0.001 s
Legend.Legend>Legend.get.Interpreter_I	12	0.001 s	0.001 s
Legend.Legend>Legend.get.FontAngleMode	6	0.001 s	0.001 s
Legend.Legend>Legend.get.FontSizeMode	6	0.001 s	0.001 s
Legend.Legend>Legend.get.PositionMode	8	0.001 s	0.001 s
Legend.Legend>Legend.get.version	6	0.001 s	0.001 s
Legend.Legend>Legend.get.TextColor_I	5	0.001 s	0.001 s
Legend.Legend>Legend.get.AxesMode	5	0.001 s	0.001 s
...er>AxesLayoutManager.getParentImpl	27	0.001 s	0.001 s
Legend.Legend>Legend.get.LocationMode	5	0.000 s	0.000 s
ctorHelper	5	0.000 s	0.000 s
close>getEmptyHandleList	1	0.000 s	0.000 s
Legend.isStretchToFill	6	0.000 s	0.000 s
close>checkfigs	1	0.000 s	0.000 s
close>request_close	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.

nctions. Self