

Profile Summary

Generated 28-Jan-2018 15:26:17 using performance time.

Function Name	Calls	Total Time	Self Time*
NFT_compare2	1	830.837 s	1.229 s
NFT_search	1	825.391 s	694.051 s
NFT_search>computeEigenvectors	3059	123.006 s	41.280 s
double.eye	3132416	81.726 s	13.716 s
arrayCreationOverload	3132455	69.811 s	35.738 s
mp>mp.OverrideDoubleBasicArrays	3132456	34.082 s	28.965 s
symengine	29	5.353 s	0.958 s
mpimpl (MEX-file)	3132462	5.117 s	5.115 s
symengine>handshake	1	2.412 s	0.242 s
sym.sym>sym.sym_	24	2.208 s	0.220 s
title	2261	2.158 s	1.172 s
mupadmex (MEX-file)	79	1.977 s	1.801 s
dec2hex	1	1.879 s	0.079 s
double.ones	9	1.802 s	0.004 s
rulerFunctions	4516	1.718 s	1.157 s
grid	2260	1.539 s	1.334 s
newplot	2476	1.436 s	0.375 s
markFigure	11299	1.182 s	1.182 s
hold	2262	1.138 s	0.822 s
xlim	2258	1.047 s	0.086 s
legend	2	1.016 s	0.009 s
legend>make_legend	2	1.006 s	0.045 s
ylim	2258	0.795 s	0.039 s
newplot>ObserveAxesNextPlot	2476	0.601 s	0.221 s



...Manager>AxesLayoutManager.doUpdate	2	0.430 s	0.274 s
cla	116	0.380 s	0.021 s
xlabel	115	0.361 s	0.354 s
gobjects	4952	0.358 s	0.358 s
...ine.mupadengine>mupadengine.evalin	5	0.328 s	0.003 s
sym.sym>sym.isNullObjOrSeq	5	0.327 s	0.026 s
sym.sym>sym.delete	23	0.301 s	0.002 s
sym.sym>cell2ref	18	0.301 s	0.001 s
sym.sym>symr	27	0.301 s	0.001 s
ylabel	115	0.292 s	0.283 s
Legend.Legend>Legend.set.Axes	2	0.280 s	0.001 s
Legend.Legend>Legend.set.Axes_1	2	0.279 s	0.001 s
Legend.Legend>Legend.setAxesImpl	2	0.277 s	0.035 s
graphics\private\clo	116	0.277 s	0.277 s
Legend.Legend>Legend.Legend	2	0.273 s	0.074 s
legendcolorbarlayout	2	0.228 s	0.100 s
legend>find_legend	2	0.207 s	0.207 s
RandStream.RandStream>RandStream.delete	1	0.198 s	0.198 s
sympref	1	0.176 s	0.004 s
trapz	6	0.173 s	0.169 s
legend>set_children_and_strings	2	0.173 s	0.004 s
...a(-1i.*x+0.5+A).*gamma(-1i.*x+0.5-A))	1	0.172 s	0.038 s
legend>getLegendableChildren	2	0.166 s	0.038 s
Legend.doSetup	2	0.164 s	0.041 s
double.gamma	3	0.133 s	0.133 s
graph2dhelper	6	0.133 s	0.015 s
unique	13	0.133 s	0.012 s
sympref>initializeSymprefs	1	0.131 s	0.066 s
unique>uniqueR2012a	13	0.121 s	0.120 s

Legend.autoUpdateCallback	2	0.117 s	0.029 s
scribe\private\get_legendable_children	2	0.115 s	0.030 s
rulerFunctions>parseFunctionName	4516	0.105 s	0.105 s
newplot>ObserveFigureNextPlot	2476	0.102 s	0.102 s
...anager>AxesLayoutManager.addToTree	2	0.099 s	0.068 s
convertStringToCharArgs	2491	0.093 s	0.077 s
hggetbehavior	4	0.085 s	0.001 s
hggetbehavior>localGet	4	0.084 s	0.035 s
graphics\private\claNotify	116	0.082 s	0.073 s
ismember	10	0.080 s	0.004 s
graph2d\private\labelcheck	2491	0.077 s	0.077 s
ismember>ismemberR2012a	10	0.076 s	0.025 s
setdiff	4	0.072 s	0.004 s
setdiff>setdiffR2012a	4	0.068 s	0.019 s
sympref>setMuPADpref	4	0.063 s	0.002 s
close	1	0.062 s	0.001 s
close>safegetchildren	1	0.060 s	0.054 s
Legend.Legend>Legend.setLayoutPosition	2	0.057 s	0.000 s
Legend.Legend>Legend.setPosition_1	2	0.057 s	0.001 s
...gine.mupadengine>mupadengine.feval	3	0.057 s	0.001 s
Legend.Legend>Legend.setPositionImpl	2	0.056 s	0.001 s
Legend.getPreferredSize	2	0.055 s	0.026 s
Legend.Legend>Legend.setViewportPosition	2	0.054 s	0.054 s
RandStream.randi	1	0.054 s	0.054 s
ismember>ismemberClassTypes	10	0.052 s	0.016 s
Legend.doMethod	8	0.049 s	0.005 s
hgbehaviorfactory	4	0.047 s	0.000 s
hgbehaviorfactory>localCreate	4	0.047 s	0.044 s
flipud	8	0.042 s	0.038 s

settings	2	0.040 s	0.039 s
...m.RandStream>RandStream.RandStream	1	0.039 s	0.039 s
axescheck	2262	0.037 s	0.037 s
...esLayoutManager.updateInnerOuterLists	2	0.035 s	0.007 s
scribe\private\islegendable	4	0.031 s	0.029 s
mupadengine.mupadengine>feval2eval	3	0.030 s	0.030 s
...nager>AxesLayoutManagergetManager	2	0.029 s	0.008 s
isCharOrString	6776	0.028 s	0.028 s
linspace	2	0.026 s	0.026 s
...tManager.removeInvalidLayoutListItems	2	0.025 s	0.001 s
Legend.doMethod>createDefaultContextMenu	2	0.025 s	0.025 s
legend>process_inputs	2	0.024 s	0.024 s
ismembertoli	101	0.021 s	0.021 s
Legend.doMethod>getsizeinfo	2	0.019 s	0.004 s
...r>AxesLayoutManager.ValidateObject	2	0.017 s	0.002 s
convertStringsToChars	2491	0.016 s	0.016 s
scribe\private\expandLegendChildren	4	0.015 s	0.014 s
...>AxesLayoutManager.insertAboveAxes	2	0.014 s	0.006 s
...isa(ax,'matlab.graphics.chart.Chart')	4516	0.014 s	0.014 s
...nager>AxesLayoutManager.findMethod	8	0.013 s	0.013 s
Legend.attachAxesListeners	2	0.013 s	0.004 s
Legend.doMethod>getStringSizes	2	0.012 s	0.010 s
sym.sym>tomupad	24	0.012 s	0.004 s
...e2>@(x)1i.*sin(pi.*A)./cosh(pi.*x)	1	0.011 s	0.011 s
allchild	3	0.010 s	0.006 s
clearNotify	111	0.009 s	0.009 s
mp>mp.Init	1	0.009 s	0.002 s
Legend.setupBoxEdge	2	0.007 s	0.006 s
gradient	3	0.007 s	0.004 s

mp>mp.FollowMatlabNumericFormat	1	0.007 s	0.000 s
mp>mp.ExtendConstAccuracy	1	0.007 s	0.000 s
mp>mp.Digits	1	0.007 s	0.000 s
mp>mp.GuardDigits	1	0.007 s	0.000 s
mp>mp.NumberOfThreads	1	0.007 s	0.000 s
...end>Legend.setBoxEdge_IFanoutProps	4	0.006 s	0.005 s
...Legend.setTitleSeparator_IFanoutProps	4	0.006 s	0.005 s
fullfile	1	0.006 s	0.002 s
Legend.Legend>Legend.set.BoxEdge_I	2	0.006 s	0.002 s
...er>@(h.e)localReparentCB(h.e.hObj)	2	0.006 s	0.000 s
...Legend>Legend.set.AxesListenerList	8	0.006 s	0.003 s
...Legend>Legend.set.TitleSeparator_I	2	0.006 s	0.002 s
...ager.addAxesListeners/localReparentCB	2	0.006 s	0.005 s
Legend.doMethod>getsize	2	0.005 s	0.001 s
double.zeros	30	0.005 s	0.002 s
sym.sym>numeric2cellstr	18	0.005 s	0.004 s
...end>Legend.setBoxFace_IFanoutProps	4	0.005 s	0.003 s
Legend.Legend>Legend.set.BoxFace_I	2	0.005 s	0.002 s
sympref>convert2expectedtype	4	0.004 s	0.001 s
NFT_search>randFromRegion	188	0.004 s	0.004 s
updateFontProperties	2	0.004 s	0.003 s
Legend.autoUpdateCallback>processGroups	2	0.004 s	0.001 s
fullfile>refinePath	1	0.004 s	0.000 s
...t;AxesLayoutManager.AxesLayoutManager	2	0.004 s	0.001 s
mpstartup	1	0.004 s	0.001 s
...ger.AxesLayoutManager>convertUnits	20	0.004 s	0.004 s
flip	8	0.004 s	0.004 s
fullfile>fixIRI	1	0.004 s	0.002 s
...Manager>AxesLayoutManager.set.Axes	2	0.003 s	0.001 s

sympref>implementedSymprefs	9	0.003 s	0.003 s
Legend.Legend>Legend.get.Axes	8	0.003 s	0.001 s
...Legend>Legend.get.AxesListenerList	16	0.003 s	0.002 s
sympref>isMuPADPref	4	0.003 s	0.001 s
Legend.Legend>Legend.get.Axes_I	10	0.002 s	0.002 s
hgbehaviorfactory>localGetBehaviorInfo	4	0.002 s	0.002 s
hasbehavior	8	0.002 s	0.002 s
...gt;AxesLayoutManager.addAxesListeners	2	0.002 s	0.002 s
Legend.Legend>Legend.get.Position_I	4	0.002 s	0.001 s
...egend>Legend.set.SelectionHandle_I	2	0.002 s	0.002 s
...UpdateCallback>removeNestedObjects	2	0.002 s	0.002 s
...nd>Legend.set.AxesListenerListMode	8	0.002 s	0.002 s
allchild>getchildren	3	0.002 s	0.002 s
Legend.addToLayout	2	0.002 s	0.001 s
shiftdim	6	0.002 s	0.002 s
...ager>AxesLayoutManager.addToLayout	2	0.002 s	0.001 s
Legend.Legend>Legend.set.DataSpace_I	2	0.002 s	0.002 s
...ayoutManager>addInstancePropToAxes	2	0.002 s	0.002 s
Legend.updateTitleProperties	2	0.002 s	0.002 s
startsWith	1	0.002 s	0.002 s
Legend.Legend>Legend.getPositionImpl	4	0.002 s	0.001 s
gradient>parse_inputs	3	0.002 s	0.002 s
Legend.Legend>Legend.set.ColorSpace_I	2	0.002 s	0.002 s
sym.sym>convertChar	1	0.002 s	0.000 s
Legend.Legend>Legend.get.EdgeColor	12	0.002 s	0.001 s
sym.sym>sym.privResolveArgs	5	0.002 s	0.002 s
...d>Legend.set.PlotChildrenSpecified	2	0.002 s	0.001 s
...Legend>Legend.set.EntryContainer_I	2	0.002 s	0.001 s
...Legend>Legend.set.SelfListenerList	2	0.002 s	0.001 s

Legend.Legend>Legend.set.PlotChildren	2	0.001 s	0.001 s
...d>Legend.set.DecorationContainer_1	2	0.001 s	0.001 s
Legend.Legend>Legend.get.Color	6	0.001 s	0.001 s
Legend.getNamesForLayout	2	0.001 s	0.001 s
Legend.Legend>Legend.get.Location	4	0.001 s	0.001 s
Legend.Legend>Legend.set.EdgeColor_1	2	0.001 s	0.001 s
...end>Legend.getPlotChildrenExcluded	2	0.001 s	0.000 s
sym.sym>convertName	1	0.001 s	0.001 s
...Legend>Legend.set.PlotChildrenMode	4	0.001 s	0.001 s
...Legend>Legend.get.SelfListenerList	4	0.001 s	0.001 s
Legend.Legend>Legend.set.CLim_1	2	0.001 s	0.001 s
Legend.Legend>Legend.get.Orientation	4	0.001 s	0.001 s
generateDisplayNames	2	0.001 s	0.001 s
Legend.Legend>Legend.get.Units	2	0.001 s	0.000 s
...utManager>AxesLayoutManager.is2Dim	2	0.001 s	0.001 s
...nd>Legend.getPlotChildrenSpecified	2	0.001 s	0.000 s
Legend.setParentImpl	2	0.001 s	0.001 s
onCleanup>onCleanup.delete	3	0.001 s	0.001 s
Legend.Legend>Legend.get.BackgroundColor	2	0.001 s	0.001 s
...gend>Legend.get.AxesListenerList_1	24	0.001 s	0.001 s
Legend.getPreferredLocation	2	0.001 s	0.000 s
...r>AxesLayoutManager.set.LayoutList	4	0.001 s	0.001 s
...nd>Legend.get.PlotChildrenExcluded	2	0.001 s	0.000 s
sympref>expectedPrefType	3	0.001 s	0.000 s
Legend.Legend>Legend.get.BoxEdge	46	0.001 s	0.001 s
Legend.Legend>Legend.get.TitleSeparator	42	0.001 s	0.001 s
Legend.Legend>Legend.get.Units_1	2	0.001 s	0.000 s
Legend.Legend>Legend.get.AutoUpdate	4	0.001 s	0.001 s
...ayoutManager>setInstancePropOnAxes	2	0.001 s	0.001 s

hggetbehavior>localPeek	4	0.001 s	0.001 s
Legend.removeAllEntries	2	0.001 s	0.001 s
Legend.Legend>Legend.get.Camera	20	0.001 s	0.001 s
Legend.Legend>Legend.get.Location_I	4	0.001 s	0.001 s
getSettingsRoot	1	0.001 s	0.001 s
Legend.Legend>Legend.get.BoxFace	18	0.001 s	0.001 s
Legend.Legend>Legend.get.Orientation_I	4	0.001 s	0.001 s
...d>Legend.get.PlotChildrenSpecified	2	0.001 s	0.000 s
...(x.'matlab.graphics.primitive.Group')	8	0.001 s	0.001 s
legend>lcl_is2D	2	0.001 s	0.001 s
Legend.Legend>Legend.getAxesImpl	10	0.001 s	0.001 s
Legend.Legend>Legend.get.standalone	4	0.001 s	0.000 s
ismember>ismemberBuiltinTypes	4	0.001 s	0.001 s
Legend.doMethod>supportsTitle	2	0.001 s	0.000 s
...nd>Legend.set.SelfListenerListMode	2	0.001 s	0.001 s
Legend.Legend>Legend.get.Interpreter	4	0.001 s	0.000 s
cell.ismember	2	0.001 s	0.001 s
...r>AxesLayoutManager.hasValidParent	2	0.001 s	0.001 s
...end>Legend.get.DecorationContainer	12	0.001 s	0.001 s
Legend.Legend>Legend.get.ItemTokenSize	4	0.001 s	0.000 s
Legend.Legend>Legend.set.Camera_I	2	0.001 s	0.001 s
Legend.Legend>Legend.getGraphicsAxes	4	0.001 s	0.001 s
...:Legend.set.PlotChildrenSpecifiedMode	2	0.001 s	0.000 s
Legend.Legend>Legend.get.ColorSpace	10	0.001 s	0.001 s
Legend.Legend>Legend.get.DataSpace	8	0.001 s	0.001 s
...gend>Legend.set.AxesListenerList_I	8	0.001 s	0.001 s
LoginCefWindow>LoginCefWindow.delete	1	0.001 s	0.001 s
Legend.Legend>Legend.set.AxesMode	2	0.001 s	0.000 s
Legend.Legend>Legend.get.SelectionHandle	6	0.001 s	0.001 s

...gt:Legend.getPlotChildrenExcludedImpl	2	0.001 s	0.001 s
Legend.Legend>Legend.get.Box_I	18	0.001 s	0.001 s
...gend>Legend.get.SelfListenerList_I	6	0.001 s	0.001 s
Legend.Legend>Legend.get.EntryContainer	6	0.001 s	0.001 s
Legend.doPostSetup	2	0.001 s	0.000 s
...ehavior>PlotEditBehavior.dosupport	2	0.001 s	0.001 s
Legend.Legend>Legend.get.UnitsImpl	2	0.000 s	0.000 s
...nd>Legend.get.AxesListenerListMode	8	0.000 s	0.000 s
Legend.Legend>Legend.get.LineWidth_I	12	0.000 s	0.000 s
Legend.Legend>Legend.get.EdgeColor_I	14	0.000 s	0.000 s
...teners>@(h.e)hObj.MarkDirty('all')	2	0.000 s	0.000 s
Legend.Legend>Legend.get.Color_I	8	0.000 s	0.000 s
...ponent>ListComponent.ListComponent	2	0.000 s	0.000 s
legend>istextscalar	16	0.000 s	0.000 s
...set(rootobj.'ShowHiddenHandles'.Temp)	3	0.000 s	0.000 s
close>getEmptyHandleList	1	0.000 s	0.000 s
fullfile>ensureTrailingFilesep	1	0.000 s	0.000 s
...sLayoutManager.syncLayoutInfoFromAxes	2	0.000 s	0.000 s
scribe\private\isplotyyaxes	4	0.000 s	0.000 s
...er>AxesLayoutManager.getParentImpl	8	0.000 s	0.000 s
RandStream.RandStream>getargs	1	0.000 s	0.000 s
...>@(obj.evd)(hObj.MarkDirty('all'))	2	0.000 s	0.000 s
Legend.doMethod>setButtonDownFcn	2	0.000 s	0.000 s
RandStream.RandStream>getMethodNames	1	0.000 s	0.000 s
...>PlotEditBehavior.PlotEditBehavior	2	0.000 s	0.000 s
uitools\private\allchildRootHelper	3	0.000 s	0.000 s
Legend.doMethod>getpixelsperpoint	2	0.000 s	0.000 s
fullfile>addTrailingFileSep	1	0.000 s	0.000 s
PrintBehavior>PrintBehavior.dosupport	2	0.000 s	0.000 s

...havior>PrintBehavior.PrintBehavior	2	0.000 s	0.000 s
...t:Legend.getPlotChildrenSpecifiedImpl	2	0.000 s	0.000 s
onCleanup>onCleanup.onCleanup	3	0.000 s	0.000 s
Legend.doMethod>hasTitle	2	0.000 s	0.000 s
sym.sym>sym.charcmd_	2	0.000 s	0.000 s
Legend.Legend>Legend.get.FontSize_I	4	0.000 s	0.000 s
...upadengine>mupadengine.mupadengine	1	0.000 s	0.000 s
Legend.Legend>Legend.get.Box	2	0.000 s	0.000 s
RandStream.RandStream>RandStream.algName	1	0.000 s	0.000 s
Legend.Legend>Legend.get.FontName_I	4	0.000 s	0.000 s
Legend.Legend>Legend.get.version	4	0.000 s	0.000 s
Legend.Legend>Legend.get.AutoUpdateImpl	4	0.000 s	0.000 s
...Legend>Legend.get.PlotChildrenMode	4	0.000 s	0.000 s
Legend.Legend>Legend.get.FontAngle_I	4	0.000 s	0.000 s
Legend.Legend>Legend.get.FontWeight_I	4	0.000 s	0.000 s
Legend.Legend>Legend.get.Interpreter_I	4	0.000 s	0.000 s
Legend.Legend>Legend.get.standalone_I	4	0.000 s	0.000 s
Legend.Legend>Legend.get.ItemTokenSize_I	4	0.000 s	0.000 s
ctorHelper	2	0.000 s	0.000 s
Legend.Legend>Legend.get.FontNameMode	2	0.000 s	0.000 s
Legend.Legend>Legend.getLocationImpl	4	0.000 s	0.000 s
ispc	2	0.000 s	0.000 s
HGBehavior>HGBehavior.HGBehavior	4	0.000 s	0.000 s
Legend.Legend>Legend.get.OrientationImpl	4	0.000 s	0.000 s
legend>check_pv_args	2	0.000 s	0.000 s
...gend>Legend.set.SelfListenerList_I	2	0.000 s	0.000 s
Legend.Legend>Legend.set.version	2	0.000 s	0.000 s
sym.sym>sym.convertStrings_	1	0.000 s	0.000 s
gra...\labelcheck>local_validlabelobj	1	0.000 s	0.000 s

Legend.Legend>Legend.get.TextColor_I	2	0.000 s	0.000 s
Legend.Legend>Legend.get.AxesMode	2	0.000 s	0.000 s
...nd>Legend.get.SelfListenerListMode	2	0.000 s	0.000 s
...:Legend.get.PlotChildrenSpecifiedMode	2	0.000 s	0.000 s
Legend.Legend>Legend.get.FontAngleMode	2	0.000 s	0.000 s
Legend.Legend>Legend.get.FontWeightMode	2	0.000 s	0.000 s
Legend.Legend>Legend.get.PositionMode	2	0.000 s	0.000 s
Legend.Legend>Legend.get.FontSizeMode	2	0.000 s	0.000 s
filesep	1	0.000 s	0.000 s
close>checkfigs	1	0.000 s	0.000 s
strfun\private\isTextStrict	1	0.000 s	0.000 s
convertStringsToChars>convertStrings	2	0.000 s	0.000 s
close>request_close	1	0.000 s	0.000 s
sym.sym>constantIdsents	1	0.000 s	0.000 s
Legend.isStretchToFill	2	0.000 s	0.000 s
...gend>Legend.setCamera_IFanoutProps	2	0.000 s	0.000 s
...egend.setSelectionHandle_IFanoutProps	2	0.000 s	0.000 s
...d>Legend.setDataSpace_IFanoutProps	2	0.000 s	0.000 s
...>Legend.setColorSpace_IFanoutProps	2	0.000 s	0.000 s
...d.setDecorationContainer_IFanoutProps	2	0.000 s	0.000 s
...Legend.setEntryContainer_IFanoutProps	2	0.000 s	0.000 s

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

