





















## Profile Summary

Generated 24-Oct-2015 19:51:51 using *cpu time*.

Function Name	Calls	Total Time	Self Time *	Total Time Plot (dark band = self time)
<a href="#">main_data_exchange_fixed_top</a>	1	46.991 s	5.531 s	
<a href="#">sensorProb</a>	60	35.156 s	35.156 s	
<a href="#">legendcolorbarlayout&gt;doLayoutCB</a>	1716	3.555 s	0.264 s	
<a href="#">legendcolorbarlayout&gt;doLayout</a>	1451	3.270 s	0.494 s	
<a href="#">colorbar</a>	30	1.357 s	0.021 s	
<a href="#">colorbar&gt;make_colorbar</a>	30	1.336 s	0.007 s	
<a href="#">scribe.colorbar.colorbar</a>	30	1.322 s	0.014 s	
<a href="#">xlabel</a>	30	1.162 s	0.035 s	
<a href="#">scribe.colorbar.init</a>	30	0.932 s	0.021 s	
<a href="#">legendcolorbarlayout&gt;getPixelBounds</a>	1424	0.877 s	0.327 s	
<a href="#">scribe.colorbar.methods</a>	534	0.793 s	0.042 s	
<a href="#">legendcolorbarlayout&gt;validateTextObjects</a>	1451	0.731 s	0.153 s	
<a href="#">allchild</a>	1681	0.633 s	0.285 s	
<a href="#">legendcolorbarlayout</a>	176	0.584 s	0.035 s	
<a href="#">legendcolorbarlayout&gt;doinOutLayout</a>	1424	0.487 s	0.257 s	
<a href="#">...ph.contourgroup.schema&gt;LdoDirtyAction</a>	108	0.480 s	0.007 s	
<a href="#">specgraph.contourgroup.refresh</a>	72	0.473 s	0.070 s	
<a href="#">scribe/private/updateLegendMenuToolbar</a>	111	0.452 s	0.049 s	
<a href="#">clf</a>	40	0.424 s	0.028 s	
<a href="#">opaque.double</a>	14861	0.404 s	0.404 s	
<a href="#">graphics/private/clo</a>	76	0.369 s	0.049 s	
<a href="#">graph2dhelper</a>	573	0.369 s	0.014 s	
<a href="#">legendcolorbarlayout&gt;makeSpace</a>	32	0.334 s	0.021 s	
<a href="#">contourf</a>	36	0.327 s	0.042 s	
<a href="#">legendcolorbarlayout&gt;localValidateLists</a>	1451	0.320 s	0.167 s	
<a href="#">findall</a>	600	0.278 s	0.195 s	
<a href="#">isprop</a>	2294	0.257 s	0.125 s	
<a href="#">scribe.colorbar.methods&gt;deletecolorbars</a>	27	0.244 s	0.000 s	

<a href="#">legendcolorbarlayout&gt;doPixelBoundsCB</a>	60	0.237 s	0.007 s	
<a href="#">uigettool</a>	222	0.230 s	0.153 s	
<a href="#">is2D</a>	5900	0.230 s	0.230 s	
<a href="#">scribe.colorbar.methods&gt;PeerAxesDeleted</a>	60	0.223 s	0.000 s	
<a href="#">scribe.colorbar.methods&gt;set_contextmenu</a>	30	0.216 s	0.070 s	
<a href="#">scribe.colorbar.init&gt;colorbarDeleted</a>	30	0.209 s	0.021 s	
<a href="#">...ndcolorbarlayout&gt;localGetXLabelHeight</a>	1526	0.202 s	0.090 s	
<a href="#">...raph.contourgroup.refresh&gt;LdrawFilled</a>	30	0.195 s	0.188 s	
<a href="#">hggetbehavior&gt;localGet</a>	150	0.188 s	0.035 s	
<a href="#">hggetbehavior</a>	150	0.188 s	0.000 s	
<a href="#">scribe.colorbar.methods&gt;setConfiguration</a>	60	0.181 s	0.014 s	
<a href="#">legendcolorbarlayout&gt;getListeners</a>	1543	0.181 s	0.181 s	
<a href="#">legendcolorbarlayout&gt;topixels</a>	1380	0.153 s	0.153 s	
<a href="#">scribe.colorbar.methods&gt;doUpdateImage</a>	60	0.146 s	0.035 s	
<a href="#">...methods&gt;PeerAxesChangedFontProperties</a>	180	0.146 s	0.035 s	
<a href="#">legendcolorbarlayout&gt;localGetYLabelWidth</a>	1424	0.146 s	0.063 s	
<a href="#">ismember</a>	348	0.139 s	0.035 s	
<a href="#">shading</a>	30	0.139 s	0.007 s	
<a href="#">legendcolorbarlayout&gt;toPoints</a>	2848	0.139 s	0.139 s	
<a href="#">newplot</a>	396	0.139 s	0.014 s	
<a href="#">onCleanup&gt;onCleanup.delete</a>	2281	0.132 s	0.070 s	
<a href="#">contours</a>	30	0.132 s	0.111 s	
<a href="#">isprop&gt;hasPropl</a>	2294	0.132 s	0.132 s	
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	2281	0.118 s	0.118 s	
<a href="#">getpixelposition</a>	1424	0.111 s	0.111 s	
<a href="#">hgbehaviorfactory&gt;localCreate</a>	150	0.111 s	0.049 s	
<a href="#">hgbehaviorfactory</a>	150	0.111 s	0.000 s	
<a href="#">setdiff</a>	114	0.104 s	0.035 s	
<a href="#">legendcolorbarlayout&gt;localGetTitleHeight</a>	1526	0.104 s	0.077 s	
<a href="#">newplot&gt;ObserveAxesNextPlot</a>	396	0.104 s	0.014 s	
<a href="#">ismember&gt;ismemberR2012a</a>	312	0.097 s	0.056 s	

<a href="#">legendcolorbarlayout&gt;doParentResize</a>	2	0.097 s	0.007 s	
<a href="#">axis</a>	30	0.097 s	0.007 s	
<a href="#">legendcolorbarlayout&gt;createListeners</a>	30	0.090 s	0.063 s	
<a href="#">axis&gt;LocSetTight1</a>	30	0.090 s	0.028 s	
<a href="#">axis&gt;LocSetTight</a>	30	0.090 s	0.000 s	
<a href="#">cla</a>	36	0.090 s	0.007 s	
<a href="#">specgraph.contourgroup.contourgroup</a>	36	0.083 s	0.021 s	
<a href="#">scribe.colorbar.methods&gt;updatefonts</a>	180	0.083 s	0.035 s	
<a href="#">close</a>	1	0.070 s	0.000 s	
<a href="#">scribe/private/createScribeUIMenuEntry</a>	60	0.070 s	0.007 s	
<a href="#">uitools/private/allchildRootHelper</a>	1681	0.070 s	0.070 s	
<a href="#">specgraph.contourgroup.setLegendInfo</a>	132	0.063 s	0.021 s	
<a href="#">scribe.colorbar.methods&gt;find_colorbars</a>	207	0.063 s	0.042 s	
<a href="#">...set(rootobj,'ShowHiddenHandles',Temp)</a>	1681	0.063 s	0.063 s	
<a href="#">lineseries</a>	360	0.063 s	0.021 s	
<a href="#">...IMenuEntry&gt;localCreateCustomEnumEntry</a>	30	0.056 s	0.021 s	
<a href="#">...e.colorbar.methods&gt;update_contextmenu</a>	30	0.056 s	0.007 s	
<a href="#">hgbehaviorfactory&gt;localGetBehaviorInfo</a>	150	0.056 s	0.056 s	
<a href="#">setdiff&gt;setdifflegacy</a>	112	0.049 s	0.021 s	
<a href="#">num2str</a>	216	0.049 s	0.042 s	
<a href="#">...set(rootobj,'ShowHiddenHandles',Temp)</a>	1681	0.049 s	0.049 s	
<a href="#">...all&gt;showHiddenHandlesToFindAllHandles</a>	600	0.049 s	0.042 s	
<a href="#">legendcolorbarlayout&gt;layoutColorbar</a>	1424	0.049 s	0.035 s	
<a href="#">ismember&gt;ismemberBuiltinTypes</a>	312	0.042 s	0.042 s	
<a href="#">close&gt;request_close</a>	1	0.042 s	0.000 s	
<a href="#">hggetbehavior&gt;localPeek</a>	150	0.042 s	0.028 s	
<a href="#">...ontourgroup.schema&gt;LdoMarkDirtyAction</a>	318	0.042 s	0.035 s	
<a href="#">legendinfo</a>	30	0.035 s	0.007 s	
<a href="#">scribe/private/getplotmanager</a>	396	0.035 s	0.035 s	
<a href="#">legendcolorbarlayout&gt;reclaimSpace</a>	29	0.035 s	0.021 s	
<a href="#">close&gt;safegetchildren</a>	1	0.028 s	0.007 s	

<a href="#">closereq</a>	4	0.028 s	0.021 s	
<a href="#">scribe.colorbar.init&gt;changedLimits</a>	180	0.028 s	0.028 s	
<a href="#">refresh</a>	40	0.028 s	0.028 s	
<a href="#">objbounds</a>	30	0.028 s	0.007 s	
<a href="#">ishold</a>	36	0.028 s	0.028 s	
<a href="#">datestr</a>	12	0.028 s	0.000 s	
<a href="#">timefun/private/formatdate</a>	12	0.028 s	0.014 s	
<a href="#">timefun/private/dateformverify</a>	12	0.028 s	0.000 s	
<a href="#">setdiff&gt;setdiffR2012a</a>	2	0.021 s	0.007 s	
<a href="#">unique</a>	66	0.021 s	0.000 s	
<a href="#">...ethods&gt;initialize_colorbar_properties</a>	30	0.021 s	0.014 s	
<a href="#">scribe.colorbar.methods&gt;startlisteners</a>	30	0.021 s	0.021 s	
<a href="#">subplot</a>	6	0.021 s	0.021 s	
<a href="#">xyzchk</a>	60	0.021 s	0.021 s	
<a href="#">contourf&gt;parseargs</a>	36	0.021 s	0.021 s	
<a href="#">newplot&gt;ObserveFigureNextPlot</a>	396	0.021 s	0.021 s	
<a href="#">legendinfo&gt;parsestruct</a>	60	0.021 s	0.021 s	
<a href="#">...ntourgroup.schema&gt;LdoModeSwitchAction</a>	216	0.021 s	0.021 s	
<a href="#">close&gt;request_close_helper</a>	8	0.014 s	0.000 s	
<a href="#">unique&gt;uniquelegacy</a>	28	0.014 s	0.014 s	
<a href="#">...tourgroup.schema&gt;LdoUpdateColorAction</a>	174	0.014 s	0.007 s	
<a href="#">...set(rootobj,'ShowHiddenHandles',Temp)</a>	600	0.014 s	0.014 s	
<a href="#">...dcolorbarlayout&gt;preferredColorbarSize</a>	1424	0.014 s	0.014 s	
<a href="#">scribe.colorbar.methods&gt;getfunhan</a>	60	0.014 s	0.014 s	
<a href="#">...e(['MATLAB:uistring:scribemenu:.x']))</a>	330	0.014 s	0.014 s	
<a href="#">...e.colorbar.methods&gt;auto_adjust_colors</a>	30	0.014 s	0.014 s	
<a href="#">objbounds&gt;allAxes</a>	30	0.014 s	0.014 s	
<a href="#">scribe.colorbar.methods&gt;iscolorbar</a>	414	0.014 s	0.014 s	
<a href="#">sensorSim</a>	60	0.014 s	0.014 s	
<a href="#">timefun/private/cnv2icudf</a>	12	0.014 s	0.014 s	
<a href="#">ismember&gt;ismemberlegacy</a>	36	0.007 s	0.007 s	

<a href="#">unique&gt;uniqueR2012a</a>	38	0.007 s	0.007 s	
<a href="#">subplot&gt;axesDestroyed</a>	6	0.007 s	0.000 s	
<a href="#">...ibeUIMenuEntry&gt;localCreateActionEntry</a>	30	0.007 s	0.007 s	
<a href="#">int2str</a>	216	0.007 s	0.007 s	
<a href="#">...set(rootobj.'ShowHiddenHandles'.Temp)</a>	600	0.007 s	0.007 s	
<a href="#">plotdoneevent</a>	36	0.007 s	0.000 s	
<a href="#">legendcolorbarlayout&gt;rmListeners</a>	30	0.007 s	0.007 s	
<a href="#">fliplr</a>	176	0.007 s	0.007 s	
<a href="#">legendcolorbarlayout&gt;offsetsInUnits</a>	59	0.007 s	0.007 s	
<a href="#">...ndcolorbarlayout&gt;location to xy index</a>	102	0.007 s	0.007 s	
<a href="#">scribe.colorbar.init&gt;changedPos</a>	282	0.007 s	0.007 s	
<a href="#">colormap</a>	60	0.007 s	0.007 s	
<a href="#">cool</a>	30	0.007 s	0.007 s	
<a href="#">hot</a>	30	0.007 s	0.007 s	
<a href="#">jet</a>	30	0.007 s	0.007 s	
<a href="#">...e.colorbar.schema&gt;localGetOrientation</a>	120	0.007 s	0.000 s	
<a href="#">scribe.colorbar.getprivateprop</a>	120	0.007 s	0.007 s	
<a href="#">objbounds&gt;localGetImageBounds</a>	30	0.007 s	0.000 s	
<a href="#">objbounds&gt;localComputeImageEdges</a>	60	0.007 s	0.007 s	
<a href="#">scribe.colorbar.init&gt;changedOrientationI</a>	30	0.007 s	0.000 s	
<a href="#">scribe.colorbar.schema&gt;localSetLocation</a>	60	0.007 s	0.007 s	
<a href="#">subplot&gt;removeAxesFromGrid</a>	6	0.007 s	0.007 s	
<a href="#">...urgroup.setLegendInfo&gt;makeEllipseData</a>	90	0.007 s	0.007 s	
<a href="#">legend</a>	30	0.007 s	0.007 s	
<a href="#">specgraph.contourgroup.setContourMatrix</a>	312	0.007 s	0.007 s	
<a href="#">graphics/private/clearscribe</a>	40	0.007 s	0.007 s	
<a href="#">colorbar&gt;find_colorbar</a>	30	0.007 s	0.007 s	
<a href="#">...loteditbehavior.schema&gt;doEnableAction</a>	30	0.007 s	0.007 s	
<a href="#">now</a>	12	0.007 s	0.000 s	
<a href="#">datenum</a>	12	0.007 s	0.007 s	
<a href="#">close&gt;getEmptyHandleList</a>	3	0 s	0.000 s	

<a href="#">close&gt;checkfigs</a>	5	0 s	0.000 s	
<a href="#">...ddenHandles'.oldUDDShowHiddenHandles)</a>	4	0 s	0.000 s	
<a href="#">...ddenHandles'.oldUDDShowHiddenHandles)</a>	4	0 s	0.000 s	
<a href="#">gcbf</a>	8	0 s	0.000 s	
<a href="#">...e.colorbar.methods&gt;FigureChangedColor</a>	57	0 s	0.000 s	
<a href="#">subplot&gt;createListeners</a>	6	0 s	0.000 s	
<a href="#">legendcolorbarlayout&gt;localChangePosition</a>	34	0 s	0.000 s	
<a href="#">scribe.colorbar.init&gt;changedVisibility</a>	30	0 s	0.000 s	
<a href="#">legendcolorbarlayout&gt;initProperties</a>	30	0 s	0.000 s	
<a href="#">...layout&gt;create@(obj.evd)(doLayout(ax))</a>	30	0 s	0.000 s	
<a href="#">legendcolorbarlayout&gt;initInsetAppdata</a>	30	0 s	0.000 s	
<a href="#">legendcolorbarlayout&gt;requestSpace</a>	32	0 s	0.000 s	
<a href="#">...olorbar.methods&gt;get current data axes</a>	30	0 s	0.000 s	
<a href="#">datachildren</a>	36	0 s	0.000 s	
<a href="#">colormap&gt;getColorMapContainer</a>	30	0 s	0.000 s	
<a href="#">caxis</a>	30	0 s	0.000 s	
<a href="#">...@(x)(['scribe:colorbar:colormap:'.x])</a>	30	0 s	0.000 s	
<a href="#">...@(x)(['scribe:colorbar:colormap:'.x])</a>	150	0 s	0.000 s	
<a href="#">flipud</a>	30	0 s	0.000 s	
<a href="#">gray</a>	30	0 s	0.000 s	
<a href="#">hsv</a>	30	0 s	0.000 s	
<a href="#">hsv2rgb</a>	30	0 s	0.000 s	
<a href="#">axis&gt;allAxes</a>	30	0 s	0.000 s	
<a href="#">scribe.colorbar.setprivateprop</a>	90	0 s	0.000 s	
<a href="#">...be.colorbar.init&gt;changedYAxisLocation</a>	30	0 s	0.000 s	
<a href="#">scribe.colorbar.methods&gt;PeerAxesCleared</a>	30	0 s	0.000 s	
<a href="#">meshgrid</a>	122	0 s	0.000 s	
<a href="#">subplot&gt;addAxesToGrid</a>	6	0 s	0.000 s	
<a href="#">usev6plotapi</a>	36	0 s	0.000 s	
<a href="#">hold</a>	36	0 s	0.000 s	
<a href="#">axescheck</a>	72	0 s	0.000 s	

<a href="#">parseparams</a>	36	0 s	0.000 s	
<a href="#">specgraph/private/datachk</a>	36	0 s	0.000 s	
<a href="#">specgraph/private/checkpvpairs</a>	30	0 s	0.000 s	
<a href="#">graphics/private/clo&gt;find_kids</a>	76	0 s	0.000 s	
<a href="#">linspace</a>	90	0 s	0.000 s	
<a href="#">scribe.legendinfo.legendinfo</a>	30	0 s	0.000 s	
<a href="#">...a&gt;@(h.valProposed)handle(valProposed)</a>	30	0 s	0.000 s	
<a href="#">scribe.legendinfochild.legendinfochild</a>	120	0 s	0.000 s	
<a href="#">legendinfo&gt;check_xydata</a>	120	0 s	0.000 s	
<a href="#">legend&gt;find_legend</a>	30	0 s	0.000 s	
<a href="#">xyzchk&gt;isvector</a>	180	0 s	0.000 s	
<a href="#">...rgroup.schema&gt;LdoUpdateChildrenAction</a>	36	0 s	0.000 s	
<a href="#">hgfeval</a>	36	0 s	0.000 s	
<a href="#">view</a>	36	0 s	0.000 s	
<a href="#">view&gt;isAxesHandle</a>	36	0 s	0.000 s	
<a href="#">view&gt;ViewCore</a>	36	0 s	0.000 s	
<a href="#">grid</a>	36	0 s	0.000 s	
<a href="#">title</a>	6	0 s	0.000 s	
<a href="#">graph2d/private/labelcheck</a>	36	0 s	0.000 s	
<a href="#">colorbar&gt;ishg2peer</a>	30	0 s	0.000 s	
<a href="#">colorbar&gt;iscolorbar</a>	30	0 s	0.000 s	
<a href="#">graphics.panbehavior.dosupport</a>	30	0 s	0.000 s	
<a href="#">graphics.zoombehavior.dosupport</a>	30	0 s	0.000 s	
<a href="#">graphics.rotate3dbehavior.dosupport</a>	30	0 s	0.000 s	
<a href="#">graphics.datacursorbehavior.dosupport</a>	30	0 s	0.000 s	
<a href="#">graphics.ploteditbehavior.dosupport</a>	30	0 s	0.000 s	
<a href="#">graph2d/private/lineseriesmex</a> (MEX-file)	360	0 s	0.000 s	
<a href="#">datestr&gt;getdateform</a>	12	0 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.