










Profile Summary

Generated 29-Nov-2007 14:11:06 using cpu time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
V0_7	1	4.355 s	0.229 s	
Delace_Hydrophone_Data	1	3.561 s	0.107 s	
Find_Best_Combination	12	3.438 s	0.061 s	
fminunc	178	2.919 s	0.061 s	
optim\private\fminsub	178	2.751 s	0.413 s	
optim\private\lineSearch	2625	1.834 s	0.122 s	
optim\private\lineSearch>bracketingPhase	2625	1.712 s	0.290 s	
finitedifferences	3706	1.131 s	0.917 s	
optimset	190	0.443 s	0.122 s	
...,temp_z(2),temp_z(3),SoS,TDOA2,TDOA3)	11118	0.413 s	0.245 s	
legend	1	0.382 s	0.031 s	
legend>make_legend	1	0.351 s	0.015 s	
scribe.legend.legend	1	0.306 s	0.076 s	
optimget	3738	0.260 s	0.122 s	
cell.strmatch	712	0.229 s	0.031 s	
strmatch	712	0.183 s	0.183 s	
scribe.legend.init	1	0.168 s	0.061 s	
Multilateration_Three_Hydrophones	11118	0.168 s	0.168 s	
optim\private\fminsub>testStop	2625	0.168 s	0.168 s	
optimget>optimgetfast	3738	0.138 s	0.138 s	
...te\lineSearch>pickAlphaWithinInterval	903	0.138 s	0.031 s	
legendcolorbarlayout>doLayout	8	0.107 s	0.015 s	
...be.legend.methods>create_legend_items	1	0.107 s	-0.000 s	
...earch>globalMinimizerOfPolyInInterval	903	0.107 s	0.031 s	
opt...e\fminsub>updateQuasiNewtonMatrix	2447	0.107 s	0.107 s	
optimset>checkfield	712	0.092 s	0.046 s	
addpath	1	0.061 s	0.000 s	
xlabel	2	0.061 s	0.000 s	
legendcolorbarlayout>doLayoutCB	7	0.061 s	0.000 s	
graph2dhelper	16	0.061 s	0.015 s	

scribe.legend.methods	21	0.061 s	0.000 s	
legendcolorbarlayout	3	0.061 s	0.000 s	
roots	903	0.061 s	0.061 s	
path	1	0.046 s	0.031 s	
hold	1	0.046 s	0.000 s	
hggetbehavior>localGet	5	0.046 s	0.015 s	
hggetbehavior	5	0.046 s	0.000 s	
legendcolorbarlayout>doInOutLayout	8	0.046 s	0.015 s	
optioptioncheckfield	356	0.046 s	0.031 s	
gcf	7	0.031 s	0.031 s	
gca	7	0.031 s	0.000 s	
scribe.legend.methods>set_contextmenu	1	0.031 s	0.000 s	
scribe.legend.methods>getsizeinfo	9	0.031 s	0.000 s	
scribe.legend.methods>strsize	36	0.031 s	0.031 s	
opaque.double	166	0.031 s	0.031 s	
optimfcnchk	178	0.031 s	0.031 s	
close	1	0.015 s	0.000 s	
close>request_close	1	0.015 s	0.015 s	
general\private\catdirs	1	0.015 s	0.015 s	
general\private\parsedirs	2	0.015 s	0.015 s	
axescheck	3	0.015 s	0.015 s	
legendcolorbarlayout>localGetTitleHeight	9	0.015 s	0.000 s	
is2D	34	0.015 s	0.015 s	
scribe\private\get_legendable_children	1	0.015 s	0.000 s	
legend>check_legend_strings	1	0.015 s	0.000 s	
isprop	26	0.015 s	0.015 s	
scribe\private\expandLegendChildren	1	0.015 s	0.015 s	
scribe\private\createScribeUIMenuEntry	9	0.015 s	0.015 s	
legendcolorbarlayout>createListeners	1	0.015 s	0.015 s	
legendcolorbarlayout>validateTextObjects	8	0.015 s	0.015 s	
scribe\private\updateLegendMenuToolBar	1	0.015 s	0.015 s	
legendcolorbarlayout>localValidateLists	8	0.015 s	0.000 s	
hgbehaviorfactory	5	0.015 s	0.015 s	

graphics.ploteditbehavior.dosupport	1	0.015 s	0.000 s	
ishghandle	1	0.015 s	0.015 s	
scribe.legend.methods>getsize	9	0.015 s	0.000 s	
legend.colorbarlayout>getPixelBounds	8	0.015 s	0.000 s	
legend.colorbarlayout>layoutLegend	8	0.015 s	0.015 s	
sortrows	1	0.015 s	0.015 s	
iscellstr	1424	0.015 s	0.015 s	
optioptioncheckfield>stringsType	356	0.015 s	0.015 s	
...,temp_z(2),temp_z(3),SoS,TDOA2,TDOA3)	178	0.015 s	0.015 s	
polyval	1806	0.015 s	0.015 s	
close>safegetchildren	1	0 s	0.000 s	
close>checkfigs	1	0 s	0.000 s	
pathsep	3	0 s	0.000 s	
filesep	2	0 s	0.000 s	
initprintexporttemplate	1	0 s	0.000 s	
newplot	4	0 s	0.000 s	
newplot>ObserveFigureNextPlot	4	0 s	0.000 s	
newplot>ObserveAxesNextPlot	4	0 s	0.000 s	
legend>find_legend	1	0 s	0.000 s	
legend>process_inputs	1	0 s	0.000 s	
legend.colorbarlayout>localGetYLabelWidth	8	0 s	0.000 s	
...nd.colorbarlayout>localGetXLabelHeight	8	0 s	0.000 s	
...nd.methods>create_plotchild_listeners	1	0 s	0.000 s	
scribe\private\islegendable	4	0 s	0.000 s	
scribe\private\islegendable>isallNan	4	0 s	0.000 s	
hasbehavior	8	0 s	0.000 s	
flipud	1	0 s	0.000 s	
...ibeUIMenuEntry>localCreateActionEntry	2	0 s	0.000 s	
...ribeUIMenuEntry>localCreateColorEntry	2	0 s	0.000 s	
...UIMenuEntry>localCreateLineWidthEntry	1	0 s	0.000 s	
...ScribeUIMenuEntry>localCreateNumEntry	1	0 s	0.000 s	
...cribeUIMenuEntry>localCreateFontEntry	1	0 s	0.000 s	
...Entry>localCreateTextInterpreterEntry	1	0 s	0.000 s	

...scribeUIMenuEntry>localCreateEnumEntry	3	0 s	0.000 s	
uigettool	2	0 s	0.000 s	
allchild	11	0 s	0.000 s	
findall	6	0 s	0.000 s	
scribe.legend.init>computePos	10	0 s	0.000 s	
scribe.legend.init>changedPos	2	0 s	0.000 s	
scribe.legend.methods>update_userdata	1	0 s	0.000 s	
scribe.legend.schema>edgeColorSetter	1	0 s	0.000 s	
hggetbehavior>localPeek	5	0 s	0.000 s	
hgbehaviorfactory>localCreate	5	0 s	0.000 s	
hgbehaviorfactory>localGetBehaviorInfo	5	0 s	0.000 s	
...loteditbehavior.schema>doEnableAction	1	0 s	0.000 s	
graphics.panbehavior.dosupport	1	0 s	0.000 s	
graphics.zoombehavior.dosupport	1	0 s	0.000 s	
graphics.rotate3dbehavior.dosupport	1	0 s	0.000 s	
graphics.datacursorbehavior.dosupport	1	0 s	0.000 s	
scribe.legend.methods>getfunhan	6	0 s	0.000 s	
scribe.legend.methods>localGetTokenItem	8	0 s	0.000 s	
...nd.methods>enable_plotchild_listeners	1	0 s	0.000 s	
scribe.legend.methods>getnpos	1	0 s	0.000 s	
legendcolorbarlayout>getListeners	10	0 s	0.000 s	
legendcolorbarlayout>initProperties	1	0 s	0.000 s	
...layout>create@(obj, evd)(doLayout(ax))	1	0 s	0.000 s	
fliplr	1	0 s	0.000 s	
legendcolorbarlayout>topixels	8	0 s	0.000 s	
legendcolorbarlayout>toPoints	16	0 s	0.000 s	
...ndcolorbarlayout>location_to_xy_index	9	0 s	0.000 s	
getpixelposition	8	0 s	0.000 s	
scribe.legend.init>setWidthHeight	1	0 s	0.000 s	
sortrows>sort_back_to_front	1	0 s	0.000 s	
Check_Arrival_Order	680	0 s	0.000 s	
optimoptiongetfields	190	0 s	0.000 s	
optimset>nonNegReal	178	0 s	0.000 s	

optimset>displayType	178	0 s	0.000 s	
Generate_Possible_Combinations	12	0 s	0.000 s	
fcnchk	178	0 s	0.000 s	
optim\private\fminsub>initialTestStop	178	0 s	0.000 s	
opt...\fminsub>initialQuasiNewtonMatrix	178	0 s	0.000 s	
opt...vate\lineSearch>interpolatingCubic	903	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.