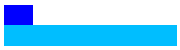
Profile Summary

Generated 27-Feb-2014 01:33:58 using cpu time.

Function Name	Calls	**Total Time**	Self Time*	Total Time Plot (dark band = self time)
User_Interface>track_Walls_wth_ECG	1680	3.506 s	0.494 s	
User_Interface>find_Artery_Walls_SM	313	2.607 s	0.049 s	
User_Interface>find_Artery_Walls	313	2.552 s	0.111 s	
...Interface>find_Maximally_Uncorrelated	268	2.117 s	0.022 s	
User_Interface>distension_Probe	692	2.095 s	0.211 s	
newplot	2820	1.720 s	1.190 s	
User_Interface>estimate_Shift	8896	1.714 s	0.240 s	
User_Interface>find_Corr	10225	1.707 s	1.502 s	
lineseries	2748	1.658 s	1.078 s	
num2str	6160	1.246 s	0.500 s	
User_Interface>find_Dia_L_Fit	1353	1.227 s	0.342 s	
cla	777	1.136 s	0.093 s	
graphics\private\clo	777	1.043 s	0.639 s	
niScope_Link (MEX-file)	1998	0.983 s	0.983 s	
filtfilt	1666	0.967 s	0.109 s	
stem	72	0.895 s	0.047 s	

User_Interface>check_Cycles_ECG_Method	1349	0.810 s	0.431 s	
User_Interface>track_Walls	1680	0.743 s	0.130 s	
corr	689	0.741 s	0.172 s	
filtfilt>ffOneChanCat	1666	0.670 s	0.670 s	
graph2dhelper	2820	0.595 s	0.196 s	
specgraph.stemseries.stemseries	72	0.541 s	0.180 s	
corr>corrSpearman	689	0.461 s	0.066 s	
num2str>handleNumericPrecision	2138	0.447 s	0.061 s	
scribe\private\getplotmanager	2820	0.399 s	0.249 s	
num2str>convertUsingRecycledSprintf	2138	0.386 s	0.386 s	
setdiff	777	0.364 s	0.102 s	
newplot>ObserveAxesNextPlot	2820	0.347 s	0.347 s	
mean	7918	0.346 s	0.346 s	
int2str	4022	0.299 s	0.299 s	
setdiff>setdifflegacy	777	0.262 s	0.074 s	
tiedrank	1378	0.255 s	0.048 s	
User_Interface>Corr_Piecewise_Fast	313	0.232 s	0.030 s	
User_Interface>check_Walls_Present	1680	0.232 s	0.232 s	
tiedrank>tr	1378	0.207 s	0.207 s	

nextpow2	10225	0.205 s	0.205 s	
unique	847	0.203 s	0.109 s	
filtfilt>getCoeffsAndInitialConditions	1666	0.188 s	0.188 s	
newplot>ObserveFigureNextPlot	2820	0.183 s	0.183 s	
User_Interface>ecg_processing	697	0.154 s	0.065 s	
graphics.plotmanager.plotmanager	2820	0.150 s	0.150 s	
specgraph.baseline.baseline	24	0.147 s	0.089 s	
corr>corrPearson	689	0.140 s	0.140 s	
parseArgs	689	0.108 s	0.108 s	
fitL (MEX-file)	2706	0.106 s	0.106 s	
User_Interface>peaks_3mm_Apart	313	0.092 s	0.081 s	
User_Interface>ecg_Rpeakdet	499	0.089 s	0.075 s	
graph2d.series.schema>LdoDirtyAction	144	0.089 s	0.023 s	
unique>uniquelegacy	775	0.083 s	0.083 s	
...series.schema>LdoUpdateChildrenAction	288	0.068 s	0.059 s	
specgraph.stemseries.refresh	72	0.066 s	0.046 s	
specgraph\private\nextstyle	72	0.057 s	0.031 s	
hggetbehavior	24	0.052 s	0.002 s	
hggetbehavior>localGet	24	0.050 s	0.008 s	

opaque.double	840	0.037 s	0.037 s	
hgbehaviorfactory>localCreate	24	0.032 s	0.009 s	
hgbehaviorfactory	24	0.032 s	0.000 s	
plotdoneevent	72	0.031 s	0.011 s	
isprop	169	0.031 s	0.031 s	
...temseries.stemseries>LdestroyBaseLine	72	0.029 s	0.029 s	
ishold	144	0.029 s	0.029 s	
graph2d.series.schema>LdoYDataAction	72	0.029 s	0.008 s	
User_Interface>calculate_Stiffness	19	0.026 s	0.010 s	
hgbehaviorfactory>localGetBehaviorInfo	24	0.023 s	0.023 s	
...ies.schema>LdoSetManualCodeModeAction	288	0.022 s	0.022 s	
stem>parseargs	72	0.021 s	0.011 s	
xychk	72	0.021 s	0.021 s	
peak_detect (MEX-file)	907	0.016 s	0.016 s	
graph2d.series.schema>LsetXDataSilently	72	0.016 s	0.013 s	
hasbehavior	96	0.015 s	0.015 s	
....series.schema>LdoSetManualModeAction	72	0.014 s	0.010 s	
flipud	1353	0.014 s	0.014 s	
std	38	0.014 s	0.003 s	

ECG_Link (MEX-file)	1990	0.013 s	0.013 s	
axescheck	72	0.013 s	0.013 s	
...h2d.series.schema>LdoModeSwitchAction	144	0.013 s	0.013 s	
graphics\private\clo>find_kids	777	0.011 s	0.011 s	
unique>uniqueR2012a	72	0.011 s	0.011 s	
usev6plotapi	72	0.011 s	0.011 s	
var	38	0.011 s	0.011 s	
parseparams	72	0.010 s	0.010 s	
hggetbehavior>localPeek	24	0.008 s	0.003 s	
...temseries.schema>LdoUpdateXDataAction	144	0.008 s	0.008 s	
...',hObject,eventdata,guidata(hObject))	1	0.007 s	0.001 s	
median	31	0.006 s	0.006 s	
specgraph\private\datachk	144	0.006 s	0.006 s	
...aph.stemseries.schema>LdoUpdateAction	144	0.006 s	0.006 s	
graph2d\private\lineseriesmex (MEX-file)	2748	0.005 s	0.005 s	
...ies.schema>LdoUpdateChildMarkerAction	144	0.005 s	0.005 s	
gui_mainfcn	1	0.004 s	0.003 s	
User_Interface	1	0.004 s	0.000 s	
...series.schema>LdoUpdateBaselineAction	72	0.003 s	0.003 s	

...h.baseline.schema>LdoBaseValueModeSet	24	0.003 s	0.003 s	
User_Interface>gen_Shift_Mat	4	0.002 s	0.001 s	
....stemseries.schema>LdoEdgeColorAction	72	0.002 s	0.002 s	
....stemseries.schema>LdoFaceColorAction	72	0.002 s	0.002 s	
graphics.datacursorbehavior.dosupport	24	0.002 s	0.002 s	
User_Interface>corrected_Dia	19	0.002 s	0.002 s	
guidata	1	0.002 s	0.002 s	
circshift	4	0.001 s	0.000 s	
circshift>ParseInputs	4	0.001 s	0.001 s	
deal	72	0.001 s	0.001 s	
...mainfcn>local_isInvokeActiveXCallback	1	0.001 s	0.000 s	
ispc	2	0.001 s	0.001 s	
median>meanof	21	0 s	0.000 s	
specgraph\private\checkpvpairs	72	0 s	0.000 s	
hgfeval	72	0 s	0.000 s	
guidata>getParentFigure	1	0 s	0.000 s	
iscom	1	0 s	0.000 s	
gui_mainfcn>local_isInvokeHGCallback	1	0 s	0.000 s	
User_Interface>stop_But_Callback	1	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.