Profile Summary
Generated 24-Jan-2013 11:53:01 using cpu time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
gui_mainfcn	1	66.786 s	0.000 s	
ICS	1	66.786 s	0.000 s	
ICS>pushtofit_Callback	1	66.754 s	40.808 s	
lsqcurvefit	7	18.359 s	0.094 s	
lsqncommon	7	18.016 s	0.219 s	
snls	7	17.141 s	0.593 s	
snls>callOutputAndPlotFcns	335	6.588 s	0.312 s	
callAllOptimOutputFcns	335	6.276 s	0.187 s	
ICS>outfun1	335	6.088 s	5.683 s	
lsqcurvefit>objective	649	4.559 s	0.031 s	
sfdnls	164	4.434 s	0.094 s	
finitedifferences	164	4.215 s	0.437 s	
inputdlg	2	4.059 s	0.749 s	
trdog	157	3.903 s	0.687 s	
finDiffEvalAndChkErr	492	3.716 s	0.187 s	
trust	314	2.654 s	0.437 s	
Crosscorrelation	267	2.373 s	2.373 s	
Autocorrelation	267	2.248 s	2.248 s	
trust>rfzero	154	2.123 s	0.343 s	
trust>seceqn	4748	1.873 s	1.873 s	
dialog	2	1.748 s	1.748 s	
surfc	3	1.218 s	0.187 s	
uiwait	2	1.186 s	1.155 s	
dlmwrite	23	0.843 s	0.500 s	
contour3	3	0.687 s	0.312 s	

createExitMsg	7	0.562 s	0.562 s	
guidata	501	0.437 s	0.250 s	
optimset	7	0.375 s	0.094 s	
aprecon	86	0.375 s	0.250 s	
dlmwrite>parseinput	23	0.343 s	0.062 s	
newplot	13	0.343 s	0.062 s	
surf	3	0.312 s	0.062 s	
cell.ismember	23	0.281 s	0.031 s	
ismember	55	0.281 s	0.156 s	
faultTolStructManager	328	0.281 s	0.125 s	
cla	10	0.281 s	0.031 s	
newplot>ObserveAxesNextPlot	13	0.281 s	0.000 s	
graphics/private/clo	10	0.250 s	0.062 s	
cell.strmatch	42	0.250 s	0.000 s	
strmatch	42	0.250 s	0.250 s	
contours	3	0.250 s	0.187 s	
movegui	2	0.219 s	0.125 s	
guidata>getParentFigure	501	0.187 s	0.187 s	
colamd	93	0.187 s	0.062 s	
setdiff	20	0.156 s	0.125 s	
imread	1	0.125 s	0.000 s	
imagesci/private/readbmp	1	0.125 s	-0.000 s	
optimget	182	0.125 s	0.031 s	
lsqnsetup	7	0.125 s	0.031 s	
lsqcurvefit>jacobmult	664	0.125 s	0.031 s	
pcgr	86	0.125 s	0.062 s	
unique	44	0.125 s	0.094 s	
imagesci/...ate/initializeMetadataStruct	1	0.094 s	0.031 s	

...ate/imbmpinfo>initializeBMPInfoStruct	1	0.094 s	0.000 s	
imagesci/private/imbmpinfo	1	0.094 s	0.000 s	
fft2	12	0.094 s	0.094 s	
str2double	8	0.094 s	0.094 s	
optimget>optimgetfast	182	0.094 s	0.094 s	
atamult	664	0.094 s	0.094 s	
faultTolStructManager>i_update	157	0.094 s	0.062 s	
perturbTrustRegionReflective	157	0.094 s	0.094 s	
findall	16	0.094 s	0.031 s	
graph3d.surfaceplot.surfaceplot	3	0.094 s	0.031 s	
inputdlg>doResize	4	0.062 s	0.062 s	
fullfile	15	0.062 s	0.062 s	
datestr	1	0.062 s	0.000 s	
timefun/private/dateformverify	1	0.062 s	0.000 s	
timefun/private/formatdate	1	0.062 s	0.062 s	
ifft2	6	0.062 s	0.062 s	
lsqfcnchk	7	0.062 s	0.062 s	
sparfun/private/colamdmex (MEX-file)	93	0.062 s	0.031 s	
etree (MEX-file)	93	0.062 s	0.031 s	
spparms	186	0.062 s	0.062 s	
spones	171	0.062 s	0.062 s	
repmat	166	0.062 s	0.062 s	
Gausshalf	129	0.062 s	0.062 s	
faultTolStructManager>i_reset	164	0.062 s	0.062 s	
pcgr>preproj	172	0.062 s	0.062 s	
axis	6	0.062 s	0.031 s	
ishold	15	0.062 s	0.062 s	
fftshift	5	0.062 s	0.062 s	

axescheck	12	0.062 s	0.062 s	
...faceplot.surfaceplot>localConstructor	3	0.062 s	0.062 s	
xyzchk	3	0.062 s	0.062 s	
specgraph/private/mcoderegister	3	0.062 s	0.031 s	
textwrap	6	0.062 s	0.062 s	
num2str	7	0.062 s	0.062 s	
gui_mainfcn>local_isInvokeHGCallback	1	0.031 s	0.031 s	
guihandles>createHandles	2	0.031 s	0.031 s	
imagesci/...te/readbmpdata>bmpReadData24	1	0.031 s	0.031 s	
imagesci/private/readbmpdata	1	0.031 s	0.000 s	
optimset>checkfield	35	0.031 s	0.000 s	
optimset>nonNegReal	14	0.031 s	0.031 s	
double.superiorfloat	7	0.031 s	0.031 s	
getNumericOrStringFieldValue	7	0.031 s	0.031 s	
functionNameClashCheck	7	0.031 s	0.031 s	
color	7	0.031 s	0.031 s	
nonzerosign	328	0.031 s	0.031 s	
fwdFinDiffInsideBnds	492	0.031 s	0.031 s	
faultTolStructManager>i_updatevector	157	0.031 s	0.031 s	
sortrows	66	0.031 s	0.031 s	
onCleanup>onCleanup.onCleanup	18	0.031 s	0.031 s	
findobj	16	0.031 s	0.000 s	
graphics/private/findobjhelper	16	0.031 s	0.031 s	
lineseries	7	0.031 s	0.031 s	
axis>allAxes	6	0.031 s	0.031 s	
usev6plotapi	6	0.031 s	0.031 s	
graph3d/private/surfchk	3	0.031 s	0.031 s	
grid	3	0.031 s	0.031 s	

makemcode	3	0.031 s	0.000 s	
makemcode>localRegisterHandle	3	0.031 s	0.031 s	
uitools/private/getnicedialoglocation	2	0.031 s	0.031 s	
inputdlg>doCallback	2	0.031 s	0.000 s	
gcbf	10	0.031 s	0.031 s	
guihandles	2	0.031 s	0.000 s	
hsv	2	0.031 s	0.000 s	
hsv2rgb	2	0.031 s	0.031 s	
colormap	2	0.031 s	0.000 s	
...mainfcn>local_isInvokeActiveXCallback	1	0 s	0.000 s	
ispc	16	0 s	0.000 s	
isprop	31	0 s	0.000 s	
isdir	1	0 s	0.000 s	
imread>parse_inputs	1	0 s	0.000 s	
imformats	1	0 s	0.000 s	
imformats>find_in_registry	1	0 s	0.000 s	
imagesci/private/imftype	1	0 s	0.000 s	
imagesci/private/isbmp	1	0 s	0.000 s	
datestr>getdateform	1	0 s	0.000 s	
imagesci/private/imbmpinfo>getSignature	1	0 s	0.000 s	
imagesci/private/imbmpinfo>getVersion	1	0 s	0.000 s	
imagesci/private/imbmpinfo>readWin3xInfo	1	0 s	0.000 s	
imagesci/.../imbmpinfo>readBMPFileHeader	1	0 s	0.000 s	
...ivate/imbmpinfo>readWin3xBitmapHeader	1	0 s	0.000 s	
imagesci/.../imbmpinfo>decodeCompression	1	0 s	0.000 s	
...ivate/imbmpinfo>readVersion3xColormap	1	0 s	0.000 s	
imagesci/private/imbmpinfo>readBMPInfo	1	0 s	0.000 s	
imagesci/private/imbmpinfo>postProcess	1	0 s	0.000 s	

[rot90](#)	1	0 s	0.000 s	
[funfun/private/uselargeoptimstruct](#)	7	0 s	0.000 s	
[funfun/private/optimoptiongetfields](#)	7	0 s	0.000 s	
[iscellstr](#)	132	0 s	0.000 s	
[optimset>functionOrCellArray](#)	7	0 s	0.000 s	
[optimset>nonNegInteger](#)	14	0 s	0.000 s	
[validateFinDiffRelStep](#)	7	0 s	0.000 s	
[createCellArrayOfFunctions>isFcn](#)	7	0 s	0.000 s	
[fcnchk](#)	14	0 s	0.000 s	
[checkbounds](#)	7	0 s	0.000 s	
[createOptionFeedback](#)	7	0 s	0.000 s	
[checkoptionsize](#)	7	0 s	0.000 s	
[createCellArrayOfFunctions](#)	7	0 s	0.000 s	
[faultTolStructManager>i_create](#)	7	0 s	0.000 s	
[definev](#)	164	0 s	0.000 s	
[trdog>quad1d](#)	50	0 s	0.000 s	
[filesep](#)	15	0 s	0.000 s	
[dlmwrite>setdlm](#)	23	0 s	0.000 s	
[initprintexporttemplate](#)	12	0 s	0.000 s	
[newplot>ObserveFigureNextPlot](#)	13	0 s	0.000 s	
[graphics/private/clo>find_kids](#)	10	0 s	0.000 s	
[...set(rootobj,'ShowHiddenHandles',Temp)](#)	16	0 s	0.000 s	
[onCleanup>onCleanup.delete](#)	18	0 s	0.000 s	
[...set(rootobj,'ShowHiddenHandles',Temp)](#)	16	0 s	0.000 s	
[uiwait>@()cleanupUiwait(t,hFigDlg)](#)	2	0 s	0.000 s	
[uiwait>cleanupUiwait](#)	2	0 s	0.000 s	
[graph2d/private/lineseriesmex](#) (MEX-file)	7	0 s	0.000 s	
[graph2dhelper](#)	10	0 s	0.000 s	

scribe/private/getplotmanager	10	0 s	0.000 s	
plotdoneevent	3	0 s	0.000 s	
axis>LocSetLimits	6	0 s	0.000 s	
hold	3	0 s	0.000 s	
parseparams	6	0 s	0.000 s	
meshgrid	3	0 s	0.000 s	
graph3d.schema	1	0 s	0.000 s	
graph3d.surfaceplot.schema	1	0 s	0.000 s	
...surfaceplot.surfaceplot>LaddListeners	3	0 s	0.000 s	
...surfaceplot.surfaceplot>LSetListeners	3	0 s	0.000 s	
...surfaceplot.surfaceplot>LGetListeners	3	0 s	0.000 s	
opaque.double	3	0 s	0.000 s	
view	3	0 s	0.000 s	
view>isAxesHandle	3	0 s	0.000 s	
view>ViewCore	3	0 s	0.000 s	
message	3	0 s	0.000 s	
xyzchk>isvector	12	0 s	0.000 s	
textwrap>LocalWrapAtColumn	6	0 s	0.000 s	
fliplr	159	0 s	0.000 s	
uitools/private/warnfiguredialog	6	0 s	0.000 s	
uitools/private/setdefaultbutton	2	0 s	0.000 s	
usejava	8	0 s	0.000 s	
uiresume	2	0 s	0.000 s	
uitools/private/addBackingStoreProperty	2	0 s	0.000 s	
cellstr	6	0 s	0.000 s	
textwrap>LocalGetWrapLoc	12	0 s	0.000 s	
ismac	2	0 s	0.000 s	
...setdefaultbutton>useJavaDefaultButton	2	0 s	0.000 s	

[guihandles>getParentFigure](#)	2	0 s	0.000 s	
[movegui>get_parent_fig](#)	2	0 s	0.000 s	
[movegui>getActivePositionProperty](#)	2	0 s	0.000 s	
[isunix](#)	4	0 s	0.000 s	
[movegui>setActivePositionProperty](#)	2	0 s	0.000 s	
[uiwait>create@()cleanupUiwait(t,hFigDlg)](#)	2	0 s	0.000 s	
[num2str>cellPrintf](#)	7	0 s	0.000 s	
[workspacefunc](#)	2	0 s	0.000 s	
[workspacefunc>getWhosInformation](#)	2	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.