Profile Summary
Generated 14-Jan-2017 15:49:59 using performance time.

	Calls	Total Time	Self Time*
Main_isotropic	1	120.444 s	2.128 s
plot_animation_search	1801	112.264 s	28.717 s
plot_animation_search>plot_state_trace	1800	31.718 s	24.898 s
hold	16210	28.607 s	21.184 s
plot_animation_search>plot_jammer	1801	7.359 s	3.841 s
plot_animation_search>plot_uav	1801	6.764 s	3.581 s
<u>markFigure</u>	16213	6.564 s	6.564 s
axis	2	6.303 s	0.013 s
axis>LocCheckCompatibleLimits	1	6.275 s	6.270 s
plot_animation_search>plot_r_est	1801	5.982 s	2.947 s
plot animation search>plot state pos est	1801	5.411 s	2.281 s
plot_animation_search>plot_loiter	1801	4.984 s	1.688 s
plot_animation_search>plot_geo_est	1801	4.735 s	1.572 s
imation_search>plot_uav_jammer_vec	1801	4.354 s	1.247 s
plot animation search>plot uav trace	1801	4.338 s	1.211 s
newplot	1794	3.908 s	2.084 s
get_true_side	1	3.072 s	3.072 s
filtfilt	1795	1.945 s	0.177 s
filtfilt>ffOneChanCat	1795	1.363 s	1.363 s
ishold	1795	1.278 s	1.278 s
	3588	0.923 s	0.923 s
gobjects	0000		
gobjects. butter	1	0.893 s	0.306 s

Total Time Plot (dark band = self time) 1 1 1 1

filtfilt>getCoeffsAndInitialConditions Interpolate		ı	ı	ı
zp2ss 1 0.246 s 0.167 s newplot>ObserveFigureNextPlot 1794 0.232 s 0.232 s lp2lp 1 0.183 s 0.110 s poly 3 0.121 s 0.121 s cla 1 0.110 s 0.094 s sigcheckfloattype 10 0.094 s 0.094 s plot_animation_search>plot P_cov_ell 1 0.080 s 0.072 s xlabel 1 0.074 s 0.073 s sigcasttofloat 2 0.073 s 0.002 s get_geo_data 1794 0.070 s 0.070 s close 1 0.060 s 0.005 s cplxpair 2 0.058 s 0.055 s close>safegetchildren 1 0.053 s 0.040 s bilinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>buttnum 1 0.014 s 0.012 s ylabel 1 0.012 s 0.012 s axis>iscartesian<	newplot>ObserveAxesNextPlot	1794	0.668 s	0.558 s
newplot>ObserveFigureNextPlot 1794 0.232 s 0.232 s 1p2lp 1 0.183 s 0.110 s 20 poly 3 0.121 s 0.121 s 21a 1 0.110 s 0.094 s 21a 1 0.110 s 0.094 s 21a 2 s 21a	filtfilt>getCoeffsAndInitialConditions	1795	0.404 s	0.404 s
Description 1	zp2ss	1	0.246 s	0.167 s
poly 3 0.121 s 0.121 s 0.121 s cla 1 0.110 s 0.094 s sigcheckfloattype 10 0.094 s 0.094 s 0.094 s plot_animation_search>plot_P_cov_ell 1 0.080 s 0.072 s xlabel 1 0.074 s 0.073 s 0.002 s sigcasttofloat 2 0.073 s 0.002 s get_geo_data 1794 0.070 s 0.070 s 0.070 s close 1 0.060 s 0.005 s cplxpair 2 0.058 s 0.055 s 0.055 s close>safegetchildren 1 0.053 s 0.040 s bilinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>butter>buttrum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clos 1 0.012 s 0.012 s axis>iscartesian 1 0.007 s 0.007 s 0.007 s 1 0.007 s 0.003 s 0.001 s buttap 1 0.005 s 0.001 s	newplot>ObserveFigureNextPlot	1794	0.232 s	0.232 s
cla 1 0.110 s 0.094 s sigcheckfloattype 10 0.094 s 0.094 s plot_animation_search>plot_P_cov_ell 1 0.080 s 0.072 s xlabel 1 0.074 s 0.073 s sigcasttofloat 2 0.073 s 0.002 s get_geo_data 1794 0.070 s 0.070 s close 1 0.060 s 0.005 s cplxpair 2 0.058 s 0.055 s close>safegetchildren 1 0.053 s 0.040 s billinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>buttnum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.007 s allchild 1 0.007 s 0.007 s axis>iscartesian 1 0.007 s 0.003 s buttap 1 0.005 s 0.001 s	<u>lp2lp</u>	1	0.183 s	0.110 s
sigcheckfloattype 10 0.094 s 0.094 s plot_animation_search>plot_P_cov_ell 1 0.080 s 0.072 s xlabel 1 0.074 s 0.073 s 0.002 s sigcasttofloat 2 0.073 s 0.002 s 0.002 s get_geo_data 1794 0.070 s 0.070 s 0.070 s close 1 0.060 s 0.005 s 0.005 s cplxpair 2 0.058 s 0.055 s 0.055 s close>safegetchildren 1 0.053 s 0.040 s 0.017 s billinear 1 0.043 s 0.017 s 0.020 s butter>buttnum 1 0.019 s 0.005 s 0.005 s vlabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	poly	3	0.121 s	0.121 s
Double D	<u>cla</u>	1	0.110 s	0.094 s
xlabel 1 0.074 s 0.073 s sigcasttofloat 2 0.073 s 0.002 s get_geo_data 1794 0.070 s 0.070 s close 1 0.060 s 0.005 s cplxpair 2 0.058 s 0.055 s close>safegetchildren 1 0.053 s 0.040 s billinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>buttnum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.003 s num2str 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	sigcheckfloattype	10	0.094 s	0.094 s
sigcasttofloat 2 0.073 s 0.002 s get_geo_data 1794 0.070 s 0.070 s close 1 0.060 s 0.005 s cplxpair 2 0.058 s 0.055 s close>safegetchildren 1 0.053 s 0.040 s billinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>buttnum 1 0.019 s 0.005 s vlabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.007 s allchild 1 0.007 s 0.007 s axis>iscartesian 1 0.007 s 0.003 s is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	plot_animation_search>plot_P_cov_ell	1	0.080 s	0.072 s
get_geo_data 1794 0.070 s 0.070 s close 1 0.060 s 0.005 s cplxpair 2 0.058 s 0.055 s close>safegetchildren 1 0.053 s 0.040 s billinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>buttnum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.003 s is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	xlabel	1	0.074 s	0.073 s
close 1 0.060 s 0.005 s cplxpair 2 0.058 s 0.055 s close>safegetchildren 1 0.053 s 0.040 s bilinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>buttnum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.003 s num2str 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	sigcasttofloat	2	0.073 s	0.002 s
cplxpair 2 0.058 s 0.055 s close>safegetchildren 1 0.053 s 0.040 s billinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>buttnum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	get geo data	1794	0.070 s	0.070 s
close>safegetchildren 1 0.053 s 0.040 s bilinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>buttnum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	close	1	0.060 s	0.005 s
billinear 1 0.043 s 0.017 s grid 1 0.023 s 0.020 s butter>buttnum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	<u>cplxpair</u>	2	0.058 s	0.055 s
grid 1 0.023 s 0.020 s butter>buttnum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.007 s 0.003 s is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	close>safegetchildren	1	0.053 s	0.040 s
butter>buttnum 1 0.019 s 0.005 s ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.007 s 0.003 s is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	bilinear	1	0.043 s	0.017 s
ylabel 1 0.014 s 0.013 s graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.007 s 0.003 s is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	grid	1	0.023 s	0.020 s
graphics\private\clo 1 0.012 s 0.012 s allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.007 s 0.003 s is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	butter>buttnum	1	0.019 s	0.005 s
allchild 1 0.012 s 0.007 s axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.007 s 0.003 s is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	<u>ylabel</u>	1	0.014 s	0.013 s
axis>iscartesian 1 0.007 s 0.007 s num2str 1 0.007 s 0.003 s is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	graphics\private\clo	1	0.012 s	0.012 s
num2str 1 0.007 s 0.003 s is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	allchild	1	0.012 s	0.007 s
is2D 1 0.005 s 0.001 s buttap 1 0.005 s 0.005 s	axis>iscartesian	1	0.007 s	0.007 s
buttap 1 0.005 s 0.005 s	num2str	1	0.007 s	0.003 s
	is2D	1	0.005 s	0.001 s
axis>LocSetLimits 1 0.004 s 0.003 s	buttap	1	0.005 s	0.005 s
	axis>LocSetLimits	1	0.004 s	0.003 s
linspace 1 0.004 s 0.004 s	linspace	1	0.004 s	0.004 s
<u>zp2ss>parse_input</u> 1 0.004 s 0.004 s	zp2ss>parse_input	1	0.004 s	0.004 s
graphics\private\claNotify 1 0.004 s 0.004 s	graphics\private\claNotify	1	0.004 s	0.004 s

is2D>testOneAxes	1	0.004 s	0.004 s
get_obs_condtn	3	0.004 s	0.004 s
num2str>handleNumericPrecision	1	0.003 s	0.001 s
<u>abcdchk</u>	2	0.003 s	0.003 s
num2str>convertUsingRecycledSprintf	1	0.003 s	0.003 s
onCleanup>onCleanup.delete	1	0.003 s	0.002 s
shiftdim	1	0.002 s	0.002 s
graph2d\private\labelcheck	2	0.001 s	0.001 s
signal\private\iirchk	1	0.001 s	0.001 s
place_jammer	1	0.001 s	0.001 s
close>getEmptyHandleList	1	0.001 s	0.001 s
onCleanup>onCleanup.onCleanup	1	0.001 s	0.001 s
axis>allAxes	2	0.001 s	0.001 s
set(rootobj,'ShowHiddenHandles',Temp)	1	0.001 s	0.001 s
allchild>getchildren	1	0.001 s	0.001 s
uitools\private\allchildRootHelper	1	0.001 s	0.001 s
place_uav	1	0.001 s	0.001 s
close>request_close	1	0.000 s	0.000 s
close>checkfigs	1	0.000 s	0.000 s

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

d functions.