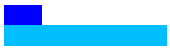
Profile Summary

Generated 11-Sep-2018 19:32:34 using performance time.

Function Name	Calls	**Total Time**	Self Time*
MainOptimizing5	1	2270.608 s	421.049 s
DelayInterfExp	1782	709.087 s	709.087 s
OpticalFFTNT	762	513.389 s	209.092 s
Olho_mex (MEX-file)	512	363.314 s	363.314 s
OpticalIFFTNT	508	229.854 s	25.190 s
RecDowDqpsk_mex (MEX-file)	256	181.774 s	181.774 s
mean	2037770	101.942 s	101.942 s
IqMod	256	76.211 s	76.211 s
ProgationDelayT	1	56.226 s	12.888 s
MeasPower	512	36.275 s	36.275 s
findpeaks	256	34.282 s	0.593 s
FiltroGaussiano	644	32.189 s	32.189 s
SelectEachCarrier	1	29.523 s	24.934 s
DqpskEncodEqT	256	20.904 s	20.894 s
findpeaks>getAllPeaks	256	20.822 s	1.111 s
findpeaks>findLocalMaxima	256	19.711 s	19.711 s
Fibra_Monomodo1	132	10.481 s	10.331 s
fftshift	781	5.231 s	5.231 s
rectpulse	515	4.952 s	4.952 s

Total Time Plot (dark band = self time)


findpeaks>orderPeaks	256	4.766 s	4.766 s
findpeaks>removePeaksBelowThreshold	256	3.438 s	3.438 s
findpeaks>combinePeaks	256	1.895 s	0.094 s
union	256	1.800 s	0.035 s
union>unionR2012a	256	1.765 s	0.270 s
unique	256	1.495 s	0.067 s
unique>uniqueR2012a	256	1.428 s	1.428 s
findpeaks>removePeaksBelowMinPeakHeight	256	1.366 s	1.366 s
findpeaks>parse_inputs	256	1.155 s	0.921 s
close	257	0.590 s	0.054 s
close>safegetchildren	257	0.379 s	0.065 s
allchild	257	0.314 s	0.177 s
flipud	1024	0.247 s	0.247 s
...aksSeparatedByMoreThanMinPeakDistance	256	0.176 s	0.176 s
validatestring	768	0.165 s	0.058 s
close>getEmptyHandleList	257	0.150 s	0.150 s
validatestring>checkString	768	0.068 s	0.068 s
findpeaks>keepAtMostNpPeaks	256	0.064 s	0.064 s
onCleanup>onCleanup.delete	257	0.058 s	0.022 s
time2freq_lamb_2	5	0.057 s	0.046 s
target	1536	0.049 s	0.049 s
Set_MZ_Input_Data_Simp	5	0.045 s	0.032 s
validatestring>checkInputs	768	0.039 s	0.039 s
allchild>getchildren	257	0.037 s	0.037 s
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.036 s	0.036 s
onCleanup>onCleanup.onCleanup	257	0.032 s	0.032 s
linspace	513	0.030 s	0.030 s

num2str	10	0.013 s	0.009 s
uitools\private\allchildRootHelper	257	0.010 s	0.010 s
signal\private\chkinputdatatype	512	0.010 s	0.010 s
findpeaks>assignOutputs	256	0.008 s	0.008 s
Fibra_Monomodo_Input_Data	132	0.008 s	0.008 s
isduration	768	0.006 s	0.006 s
time2freq	1	0.005 s	0.002 s
int2str	10	0.004 s	0.004 s
close>checkfigs	257	0.004 s	0.004 s
isdatetime	256	0.003 s	0.003 s
nextpow2	3	0.003 s	0.003 s
close>request_close	257	0.003 s	0.003 s
gpuDeviceCount	1	0.003 s	0.001 s
GPUDevice.GPUDevice>GPUDevice.count	1	0.001 s	0.000 s
deviceCount	1	0.001 s	0.001 s
pwd	4	0.001 s	0.001 s

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

ns. Self