Profile Summary

Generated 12-Sep-2018 13:30:38 using performance time.

Function Name	Calls	Total Time	Self Time*
MainOptimizing4	1	2060.677 s	347.131 s
DelayInterfExp	1270	552.740 s	552.740 s
OpticalFFTNT	762	536.378 s	209.497 s
OpticalIFFTNT	508	253.922 s	28.063 s
findpeaks	1792	222.721 s	3.953 s
Olho_mex (MEX-file)	256	194.355 s	194.355 s
MZM	256	190.840 s	190.840 s
mean	3056650	155.735 s	155.735 s
findpeaks>getAllPeaks	1792	130.628 s	6.820 s
findpeaks>findLocalMaxima	1792	123.808 s	123.808 s
ProgationDelayT	1	59.712 s	13.651 s
MeasPower	1792	54.991 s	51.279 s
findpeaks>orderPeaks	1792	36.441 s	36.441 s
SelectEachCarrier	1	30.344 s	25.562 s
FiltroGaussiano	644	28.756 s	28.756 s
findpeaks>removePeaksBelowThreshold	1792	21.842 s	21.842 s
findpeaks>combinePeaks	1792	12.024 s	0.518 s
union	1792	11.506 s	0.227 s
union>unionR2012a	1792	11.279 s	1.796 s

Total Time Plot (dark band = self time)
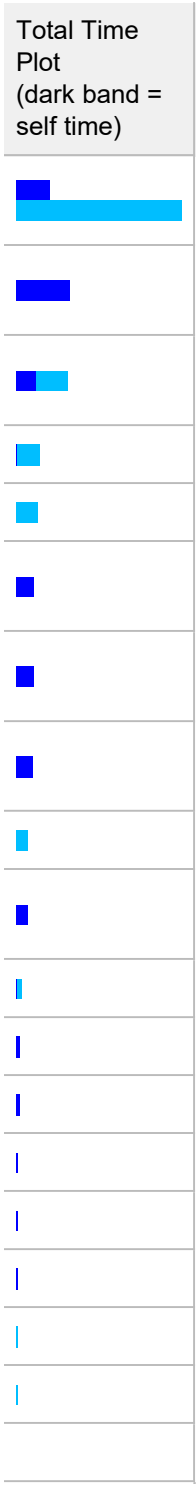
Fibra_Monomodo1	132	10.564 s	10.386 s
fftshift	1037	10.168 s	10.168 s
hist	768	9.879 s	9.835 s
unique	1792	9.482 s	0.443 s
unique>uniqueR2012a	1792	9.039 s	9.039 s
findpeaks>removePeaksBelowMinPeakHeight	1792	8.511 s	8.511 s
findpeaks>parse_inputs	1792	7.624 s	6.034 s
linspace	2049	3.750 s	3.750 s
rectpulse	259	2.593 s	2.593 s
gpuDeviceCount	1	2.571 s	2.562 s
...aksSeparatedByMoreThanMinPeakDistance	1792	1.287 s	1.287 s
validatestring	5376	1.150 s	0.403 s
close	257	0.580 s	0.049 s
validatestring>checkString	5376	0.477 s	0.477 s
close>safegetchildren	257	0.396 s	0.080 s
findpeaks>keepAtMostNpPeaks	1792	0.342 s	0.342 s
allchild	257	0.317 s	0.188 s
target	10752	0.309 s	0.309 s
validatestring>checkInputs	5376	0.270 s	0.270 s
time2freq_lamb_2	5	0.178 s	0.161 s
close>getEmptyHandleList	257	0.127 s	0.127 s
Set_MZ_Input_Data_Simp	5	0.125 s	0.106 s
flipud	512	0.121 s	0.121 s
findpeaks>assignOutputs	1792	0.070 s	0.070 s
signal\private\chkinputdatatype	3584	0.059 s	0.059 s
onCleanup>onCleanup.delete	257	0.052 s	0.019 s
isduration	5376	0.051 s	0.051 s

axescheck	768	0.044 s	0.044 s
allchild>getchildren	257	0.034 s	0.034 s
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.033 s	0.033 s
onCleanup>onCleanup.onCleanup	257	0.032 s	0.032 s
isdatetime	1792	0.020 s	0.020 s
num2str	10	0.019 s	0.012 s
uitools\private\allchildRootHelper	257	0.011 s	0.011 s
GPUDevice.GPUDevice>GPUDevice.count	1	0.009 s	0.007 s
Fibra_Monomodo_Input_Data	132	0.009 s	0.009 s
int2str	10	0.007 s	0.007 s
time2freq	1	0.006 s	0.001 s
close>checkfigs	257	0.004 s	0.004 s
close>request_close	257	0.004 s	0.004 s
nextpow2	3	0.003 s	0.003 s
deviceCount	1	0.003 s	0.003 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