Profile Summary

Generated 12-Sep-2018 12:47:11 using performance time.

Function Name	Calls	Total Time	Self Time*
MainOptimizing5	1	1954.021 s	322.990 s
OpticalFFTNT	762	560.790 s	237.199 s
DelayInterfExp	1270	533.640 s	533.640 s
OpticalIFFTNT	508	236.647 s	26.599 s
findpeaks	1536	226.034 s	4.110 s
MZM	256	190.928 s	190.928 s
Olho_mex (MEX-file)	256	179.088 s	179.088 s
findpeaks>getAllPeaks	1536	134.242 s	7.299 s
findpeaks>findLocalMaxima	1536	126.942 s	126.942 s
ProgationDelayT	1	60.553 s	14.038 s
MeasPower	1792	58.858 s	55.203 s
mean	1018890	53.644 s	53.644 s
findpeaks>orderPeaks	1536	36.060 s	36.060 s
SelectEachCarrier	1	32.859 s	26.718 s
FiltroGaussiano	644	31.309 s	31.309 s
RedDowOok_mex (MEX-file)	256	27.464 s	27.464 s
findpeaks>removePeaksBelowThreshold	1536	21.858 s	21.858 s
findpeaks>combinePeaks	1536	12.312 s	0.535 s
union	1536	11.777 s	0.237 s

Total Time Plot (dark band = self time)
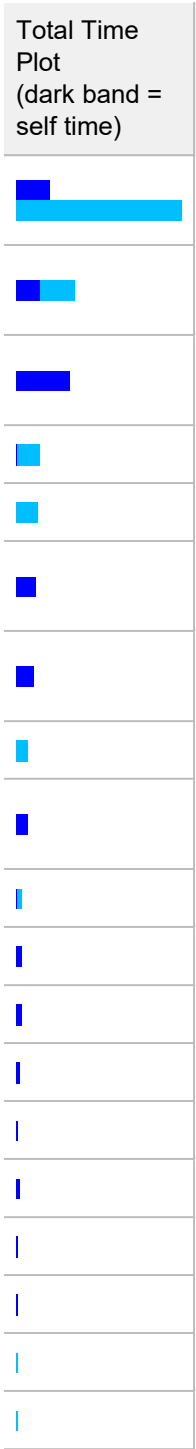
union>unionR2012a	1536	11.540 s	1.725 s
Fibra_Monomodo1	132	11.320 s	11.165 s
fftshift	1037	10.391 s	10.391 s
unique	1536	9.815 s	0.424 s
unique>uniqueR2012a	1536	9.391 s	9.391 s
findpeaks>removePeaksBelowMinPeakHeight	1536	8.662 s	8.662 s
findpeaks>parse_inputs	1536	7.241 s	5.748 s
linspace	1281	3.657 s	3.657 s
rectpulse	259	2.694 s	2.694 s
...aksSeparatedByMoreThanMinPeakDistance	1536	1.146 s	1.146 s
validatestring	4608	1.096 s	0.389 s
close	257	0.603 s	0.051 s
Set_MZ_Input_Data_Simp	5	0.487 s	0.474 s
validatestring>checkString	4608	0.442 s	0.442 s
close>safegetchildren	257	0.397 s	0.069 s
findpeaks>keepAtMostNpPeaks	1536	0.357 s	0.357 s
allchild	257	0.327 s	0.178 s
target	9216	0.286 s	0.286 s
validatestring>checkInputs	4608	0.266 s	0.266 s
close>getEmptyHandleList	257	0.148 s	0.148 s
flipud	512	0.118 s	0.118 s
onCleanup>onCleanup.delete	257	0.068 s	0.019 s
signal\private\chkinputdatatype	3072	0.054 s	0.054 s
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.049 s	0.049 s
time2freq_lamb_2	5	0.048 s	0.038 s
findpeaks>assignOutputs	1536	0.047 s	0.047 s
allchild>getchildren	257	0.039 s	0.039 s

isduration	4608	0.038 s	0.038 s
onCleanup>onCleanup.onCleanup	257	0.032 s	0.032 s
isdatetime	1536	0.019 s	0.019 s
num2str	10	0.013 s	0.009 s
uitools\private\allchildRootHelper	257	0.011 s	0.011 s
Fibra_Monomodo_Input_Data	132	0.009 s	0.009 s
time2freq	1	0.005 s	0.002 s
int2str	10	0.005 s	0.005 s
close>checkfigs	257	0.004 s	0.004 s
close>request_close	257	0.003 s	0.003 s
gpuDeviceCount	1	0.002 s	0.001 s
nextpow2	3	0.002 s	0.002 s
GPUDevice.GPUDevice>GPUDevice.count	1	0.001 s	0.000 s
pwd	4	0.001 s	0.001 s
deviceCount	1	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