Profile Summary

Generated 16-Sep-2018 20:05:33 using performance time.

Function Name	Calls	Total Time	Self Time*
MainOptimizing5	1	880.300 s	142.635 s
OpticalFFTNT	762	294.870 s	122.073 s
DelayInterfExp	1270	286.543 s	286.543 s
OpticalIFFTNT	508	129.415 s	15.669 s
Olho_mex (MEX-file)	256	102.542 s	102.542 s
MZM	256	98.069 s	98.069 s
ProgationDelayT	1	33.200 s	6.938 s
MeasPower	512	22.438 s	22.438 s
findpeaks	256	21.195 s	0.314 s
RedDowOok_mex (MEX-file)	256	16.570 s	16.570 s
FiltroGaussiano	644	16.454 s	16.454 s
SelectEachCarrier	1	15.988 s	13.036 s
findpeaks>getAllPeaks	256	13.300 s	0.670 s
findpeaks>findLocalMaxima	256	12.631 s	12.631 s
mean	1018890	6.578 s	6.578 s
Fibra_Monomodo1	132	5.843 s	5.751 s
findpeaks>orderPeaks	256	2.885 s	2.885 s
fftshift	781	2.667 s	2.667 s
findpeaks>removePeaksBelowThreshold	256	2.006 s	2.006 s

Total Time Plot (dark band = self time)
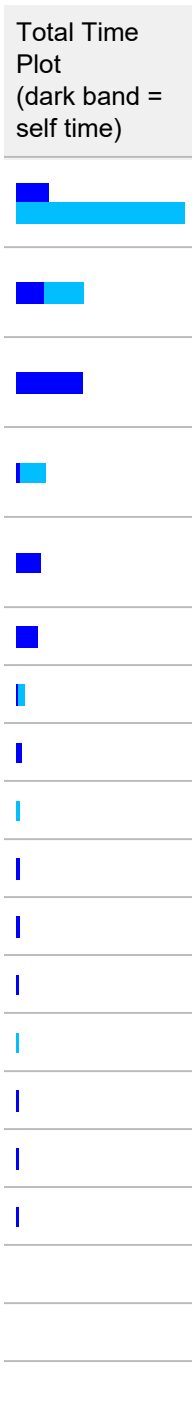
findpeaks>combinePeaks	256	1.093 s	0.041 s
union	256	1.052 s	0.014 s
union>unionR2012a	256	1.039 s	0.175 s
unique	256	0.864 s	0.022 s
unique>uniqueR2012a	256	0.841 s	0.841 s
findpeaks>removePeaksBelowMinPeakHeight	256	0.814 s	0.814 s
rectpulse	259	0.794 s	0.794 s
findpeaks>parse_inputs	256	0.606 s	0.549 s
close	257	0.219 s	0.019 s
...aksSeparatedByMoreThanMinPeakDistance	256	0.148 s	0.148 s
close>safegetchildren	257	0.145 s	0.027 s
allchild	257	0.117 s	0.069 s
flipud	512	0.071 s	0.071 s
close>getEmptyHandleList	257	0.054 s	0.054 s
validatestring	768	0.043 s	0.017 s
time2freq_lamb_2	5	0.032 s	0.026 s
findpeaks>keepAtMostNpPeaks	256	0.026 s	0.026 s
Set_MZ_Input_Data_Simp	5	0.025 s	0.020 s
onCleanup>onCleanup.delete	257	0.020 s	0.006 s
validatestring>checkString	768	0.016 s	0.016 s
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.014 s	0.014 s
allchild>getchildren	257	0.013 s	0.013 s
onCleanup>onCleanup.onCleanup	257	0.013 s	0.013 s
validatestring>checkInputs	768	0.011 s	0.011 s
target	1536	0.010 s	0.010 s
num2str	10	0.005 s	0.003 s
uitools\private\allchildRootHelper	257	0.003 s	0.003 s

Fibra_Monomodo_Input_Data	132	0.003 s	0.003 s
time2freq	1	0.002 s	0.001 s
signal\private\chkinputdatatype	512	0.002 s	0.002 s
findpeaks>assignOutputs	256	0.002 s	0.002 s
int2str	10	0.002 s	0.002 s
isduration	768	0.001 s	0.001 s
close>checkfigs	257	0.001 s	0.001 s
close>request_close	257	0.001 s	0.001 s
linspace	1	0.001 s	0.001 s
isdatetime	256	0.001 s	0.001 s
gpuDeviceCount	1	0.001 s	0.000 s
nextpow2	3	0.001 s	0.001 s
GPUDevice.GPUDevice>GPUDevice.count	1	0.001 s	0.000 s
pwd	4	0.000 s	0.000 s
deviceCount	1	0.000 s	0.000 s

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

ions. Self