

Profile Summary

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Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing4	1	2466.938 s	912.658 s	
OpticalFFTNT	762	541.785 s	221.927 s	
DelayInterfExp	1270	529.724 s	529.724 s	
OpticalIFFTNT	508	234.626 s	24.760 s	
MZM	256	173.692 s	173.692 s	
mean	2593290	154.676 s	154.676 s	
findpeaks	1792	132.149 s	2.874 s	
std	786432	115.822 s	21.240 s	
findpeaks>getAllPeaks	1792	106.509 s	6.697 s	
findpeaks>findLocalMaxima	1792	99.812 s	99.812 s	
var	786432	94.582 s	94.582 s	
FiltroGaussiano	644	58.941 s	58.941 s	
MeasPower	1792	58.714 s	55.042 s	
ProagationDelayT	1	55.981 s	13.165 s	
SelectEachCarrier	1	30.582 s	26.157 s	
Maping4PamlqT	256	10.527 s	10.513 s	
Fibra_Monomodo1	132	10.443 s	10.295 s	
fftshift	1037	9.933 s	9.933 s	
hist	1024	8.051 s	7.993 s	

findpeaks>parse_inputs	1792	7.441 s	5.827 s	
findpeaks>orderPeaks	1792	5.718 s	5.718 s	
rectpulse	515	4.810 s	4.810 s	
findpeaks>removePeaksBelowThreshold	1792	4.165 s	4.165 s	
linspace	2561	3.743 s	3.743 s	
findpeaks>combinePeaks	1792	3.205 s	0.197 s	
union	1792	3.008 s	0.235 s	
union>unionR2012a	1792	2.773 s	0.507 s	
unique	1792	2.266 s	0.379 s	
unique>uniqueR2012a	1792	1.887 s	1.887 s	
findpeaks>removePeaksBelowMinPeakHeight	1792	1.834 s	1.834 s	
validatestring	5376	1.163 s	0.417 s	
close	257	0.559 s	0.049 s	
validatestring>checkString	5376	0.462 s	0.462 s	
close>safegetchildren	257	0.379 s	0.067 s	
target	10752	0.325 s	0.325 s	
allchild	257	0.312 s	0.173 s	
validatestring>checkInputs	5376	0.284 s	0.284 s	
...aksSeparatedByMoreThanMinPeakDistance	1792	0.263 s	0.263 s	
flipud	1024	0.225 s	0.225 s	
close>getEmptyHandleList	257	0.123 s	0.123 s	
findpeaks>keepAtMostNpPeaks	1792	0.088 s	0.088 s	
signal/private\chkinputdatatype	3584	0.063 s	0.063 s	
onCleanup>onCleanup_delete	257	0.061 s	0.019 s	
axescheck	1024	0.059 s	0.059 s	
findpeaks>assignOutputs	1792	0.054 s	0.054 s	
time2freq_lamb_2	5	0.049 s	0.040 s	

isduration	5376	0.043 s	0.043 s	
...set(rootobj,'ShowHiddenHandles'.Temp)	257	0.042 s	0.042 s	
Set_MZ_Input_Data_Simp	5	0.042 s	0.033 s	
allchild>getchildren	257	0.034 s	0.034 s	
onCleanup>onCleanup.onCleanup	257	0.033 s	0.033 s	
isdatetime	1792	0.021 s	0.021 s	
uitools\private\allchildRootHelper	257	0.010 s	0.010 s	
num2str	10	0.009 s	0.006 s	
Fibra_Monomodo_Input_Data	132	0.008 s	0.008 s	
close>checkfigs	257	0.004 s	0.004 s	
close>request_close	257	0.003 s	0.003 s	
time2freq	1	0.003 s	0.001 s	
int2str	10	0.003 s	0.003 s	
nextpow2	3	0.002 s	0.002 s	
gpuDeviceCount	1	0.001 s	0.001 s	
GPUDevice.GPUDevice>GPUDevice.count	1	0.001 s	0.000 s	
pwd	4	0.001 s	0.001 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 functions. Self time also includes overhead resulting from the process of profiling.