Profile Summary

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Function Name	Calls	**Total Time**	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing4	1	821.011 s	368.105 s	
MZM	256	91.306 s	91.306 s	
DelayInterfG	6350	89.489 s	89.489 s	
findpeaks	1792	81.355 s	1.565 s	
OpticalFFTGT	3810	76.012 s	23.387 s	
findpeaks>getAllPeaks	1792	67.014 s	4.056 s	
findpeaks>findLocalMaxima	1792	62.959 s	62.959 s	
OpticalIFFTGT	2540	45.920 s	9.056 s	
FiltroGaussiano	644	37.780 s	37.780 s	
MeasPower	1792	34.762 s	32.227 s	
ProgationDelayT	1	34.099 s	7.071 s	
mean	2593290	23.722 s	23.722 s	
std	786432	23.687 s	4.327 s	
var	786432	19.360 s	19.360 s	
SelectEachCarrier	1	15.979 s	13.021 s	
Fibra_Monomodo1	132	5.928 s	5.835 s	
fftshift	1037	5.416 s	5.416 s	
hist	1024	4.651 s	4.635 s	
findpeaks>orderPeaks	1792	3.677 s	3.677 s	
findpeaks>parse_inputs	1792	3.650 s	3.269 s	
linspace	2561	2.552 s	2.552 s	

findpeaks>removePeaksBelowThreshold	1792	2.440 s	2.440 s	
findpeaks>combinePeaks	1792	1.645 s	0.081 s	
union	1792	1.564 s	0.091 s	
rectpulse	515	1.519 s	1.519 s	
union>unionR2012a	1792	1.472 s	0.260 s	
unique	1792	1.212 s	0.141 s	
findpeaks>removePeaksBelowMinPeakHeight	1792	1.117 s	1.117 s	
unique>uniqueR2012a	1792	1.071 s	1.071 s	
Maping4PamIqT	256	0.384 s	0.380 s	
validatestring	5376	0.289 s	0.111 s	
close	257	0.224 s	0.019 s	
...aksSeparatedByMoreThanMinPeakDistance	1792	0.191 s	0.191 s	
flipud	1024	0.170 s	0.170 s	
close>safegetchildren	257	0.147 s	0.027 s	
allchild	257	0.120 s	0.069 s	
validatestring>checkString	5376	0.108 s	0.108 s	
validatestring>checkInputs	5376	0.070 s	0.070 s	
target	10752	0.064 s	0.064 s	
close>getEmptyHandleList	257	0.055 s	0.055 s	
findpeaks>keepAtMostNpPeaks	1792	0.040 s	0.040 s	
time2freq_lamb_2	5	0.032 s	0.026 s	
Set_MZ_Input_Data_Simp	5	0.027 s	0.022 s	
onCleanup>onCleanup.delete	257	0.022 s	0.008 s	
axescheck	1024	0.016 s	0.016 s	
findpeaks>assignOutputs	1792	0.015 s	0.015 s	
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.015 s	0.015 s	
signal\private\chkinputdatatype	3584	0.013 s	0.013 s	

allchild>getchildren	257	0.013 s	0.013 s	
onCleanup>onCleanup.onCleanup	257	0.013 s	0.013 s	
isduration	5376	0.009 s	0.009 s	
isdatetime	1792	0.005 s	0.005 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	
int2str	10	0.002 s	0.002 s	
close>checkfigs	257	0.001 s	0.001 s	
close>request_close	257	0.001 s	0.001 s	
nextpow2	3	0.001 s	0.001 s	
pwd	4	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.