Profile Summary

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Function Name	Calls	**Total Time**	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing4	1	830.013 s	258.266 s	
findpeaks	1536	127.886 s	2.087 s	
DelayInterfG	7630	108.216 s	108.216 s	
Olho_mex (MEX-file)	256	98.214 s	98.214 s	
MZM	256	96.394 s	96.394 s	
findpeaks>getAllPeaks	1536	80.507 s	4.015 s	
findpeaks>findLocalMaxima	1536	76.492 s	76.492 s	
OpticalFFTGT	3810	76.250 s	23.440 s	
MeasPower	1792	51.072 s	48.566 s	
OpticalIFFTGT	2540	45.934 s	8.887 s	
ProgationDelayT	1	34.182 s	7.111 s	
findpeaks>orderPeaks	1536	16.965 s	16.965 s	
FiltroGaussiano	644	16.895 s	16.895 s	
SelectEachCarrier	1	15.991 s	13.019 s	
findpeaks>removePeaksBelowThreshold	1536	12.148 s	12.148 s	
mean	1019146	6.774 s	6.774 s	
findpeaks>combinePeaks	1536	6.626 s	0.233 s	
union	1536	6.393 s	0.079 s	
union>unionR2012a	1536	6.313 s	1.065 s	
Fibra_Monomodo1	132	6.027 s	5.934 s	
fftshift	1037	5.575 s	5.575 s	

unique	1536	5.248 s	0.126 s	
unique>uniqueR2012a	1536	5.122 s	5.122 s	
findpeaks>removePeaksBelowMinPeakHeight	1536	4.970 s	4.970 s	
findpeaks>parse_inputs	1536	3.529 s	3.200 s	
linspace	1537	2.513 s	2.513 s	
DpskEncodEqT	256	1.124 s	1.124 s	
...aksSeparatedByMoreThanMinPeakDistance	1536	0.897 s	0.897 s	
rectpulse	259	0.778 s	0.778 s	
validatestring	4608	0.248 s	0.095 s	
close	257	0.215 s	0.021 s	
findpeaks>keepAtMostNpPeaks	1536	0.148 s	0.148 s	
close>safegetchildren	257	0.139 s	0.026 s	
allchild	257	0.113 s	0.067 s	
validatestring>checkString	4608	0.093 s	0.093 s	
flipud	512	0.080 s	0.080 s	
validatestring>checkInputs	4608	0.060 s	0.060 s	
hist	256	0.060 s	0.054 s	
target	9216	0.057 s	0.057 s	
close>getEmptyHandleList	257	0.053 s	0.053 s	
time2freq_lamb_2	5	0.036 s	0.030 s	
Set_MZ_Input_Data_Simp	5	0.030 s	0.024 s	
onCleanup>onCleanup.delete	257	0.020 s	0.007 s	
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.013 s	0.013 s	
allchild>getchildren	257	0.012 s	0.012 s	
onCleanup>onCleanup.onCleanup	257	0.012 s	0.012 s	
signal\private\chkinputdatatype	3072	0.011 s	0.011 s	
findpeaks>assignOutputs	1536	0.009 s	0.009 s	

isduration	4608	0.008 s	0.008 s	
axescheck	256	0.007 s	0.007 s	
num2str	10	0.006 s	0.004 s	
isdatetime	1536	0.005 s	0.005 s	
time2freq	1	0.004 s	0.002 s	
uitools\private\allchildRootHelper	257	0.003 s	0.003 s	
Fibra_Monomodo_Input_Data	132	0.003 s	0.003 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.