Profile Summary

Generated 10-Sep-2018 18:04:12 using performance time.

<u>Function Name</u>	<u>Calls</u>	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	-
<u>DelayInterfG</u>	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	
<u>OpticalFFTGT</u>	3810	76.250 s	23.440 s	
MeasPower	1792	51.072 s	48.566 s	
<u>OpticalIFFTGT</u>	2540	45.934 s	8.887 s	L
<u>ProgationDelayT</u>	1	34.182 s	7.111 s	I
findpeaks>orderPeaks	1536	16.965 s	16.965 s	I
<u>FiltroGaussiano</u>	644	16.895 s	16.895 s	I
<u>SelectEachCarrier</u>	1	15.991 s	13.019 s	I
findpeaks>removePeaksBelowThreshold	1536	12.148 s	12.148 s	I
mean	1019146	6.774 s	6.774 s	I
findpeaks>combinePeaks	1536	6.626 s	0.233 s	I
union	1536	6.393 s	0.079 s	I
union>unionR2012a	1536	6.313 s	1.065 s	I
Fibra_Monomodo1	132	6.027 s	5.934 s	I
fftshift	1037	5.575 s	5.575 s	I

unique 1536 5.248 s 0.126 s I unique≥uniqueR2012a 1536 5.122 s 5.122 s I findpeaks>removePeaksBelowMinPeakHeight 1536 4.970 s 4.970 s I findpeaks>parse_inputs 1536 4.970 s 4.970 s I 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 0.778 s validatestring 4608 0.248 s 0.095 s 0.021 s close>safegetchildren 257 0.139 s 0.021 s 0.021 s dilchild 257 0.139 s 0.026 s 0.021 s validatestring>checkString 4608 0.093 s 0.093 s 0.093 s flipud 512 0.080 s 0.080 s 0.054 s 0.057 s <t< th=""><th></th><th></th><th></th><th></th><th></th></t<>					
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onCleanup>onCleanup.onCleanup 257 0.012 s signal\private\chkinputdatatype 3072 0.011 s 0.011 s	set(rootobj,'ShowHiddenHandles',Temp)	257	0.013 s	0.013 s	
signal\private\chkinputdatatype 3072 0.011 s 0.011 s	allchild>getchildren	257	0.012 s	0.012 s	
	onCleanup>onCleanup.onCleanup	257	0.012 s	0.012 s	
findpeaks>assignOutputs 1536 0.009 s 0.009 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
<u>isdatetime</u>	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.