




















## Profile Summary

Generated 10-Sep-2018 17:49:31 using performance time.

<a href="#">Function Name</a>	<a href="#">Calls</a>	<a href="#">Total Time</a>	<a href="#">Self Time*</a>	Total Time Plot (dark band = self time)
<a href="#">MainOptimizing4</a>	1	1068.486 s	389.865 s	
<a href="#">Olho_mex</a> (MEX-file)	512	197.405 s	197.405 s	
<a href="#">findpeaks</a>	1536	127.704 s	2.095 s	
<a href="#">DelayInterfG</a>	8910	125.660 s	125.660 s	
<a href="#">findpeaks&gt;getAllPeaks</a>	1536	80.554 s	4.006 s	
<a href="#">findpeaks&gt;findLocalMaxima</a>	1536	76.547 s	76.547 s	
<a href="#">OpticalFFTGT</a>	3810	75.657 s	23.288 s	
<a href="#">MeasPower</a>	4352	75.484 s	68.109 s	
<a href="#">lqMod</a>	256	48.796 s	48.796 s	
<a href="#">OpticalIFFTGT</a>	2540	45.788 s	8.870 s	
<a href="#">ProagationDelayT</a>	1	33.898 s	7.090 s	
<a href="#">FiltroGaussiano</a>	644	19.074 s	19.074 s	
<a href="#">findpeaks&gt;orderPeaks</a>	1536	16.846 s	16.846 s	
<a href="#">SelectEachCarrier</a>	1	15.917 s	12.979 s	
<a href="#">mean</a>	2038282	13.541 s	13.541 s	
<a href="#">findpeaks&gt;removePeaksBelowThreshold</a>	1536	12.043 s	12.043 s	
<a href="#">linspace</a>	4865	7.392 s	7.392 s	
<a href="#">findpeaks&gt;combinePeaks</a>	1536	6.547 s	0.231 s	
<a href="#">union</a>	1536	6.316 s	0.080 s	
<a href="#">union&gt;unionR2012a</a>	1536	6.236 s	1.062 s	

<a href="#">Fibra_Monomodo1</a>	132	5.871 s	5.779 s	
<a href="#">fftshift</a>	1037	5.519 s	5.519 s	
<a href="#">DqpskEncodEqT</a>	256	5.328 s	5.326 s	
<a href="#">unique</a>	1536	5.174 s	0.125 s	
<a href="#">unique&gt;uniqueR2012a</a>	1536	5.049 s	5.049 s	
<a href="#">findpeaks&gt;removePeaksBelowMinPeakHeight</a>	1536	5.040 s	5.040 s	
<a href="#">findpeaks&gt;parse_inputs</a>	1536	3.525 s	3.197 s	
<a href="#">rectpulse</a>	515	1.522 s	1.522 s	
<a href="#">...aksSeparatedByMoreThanMinPeakDistance</a>	1536	0.898 s	0.898 s	
<a href="#">validatestring</a>	4608	0.248 s	0.095 s	
<a href="#">close</a>	257	0.218 s	0.019 s	
<a href="#">flipud</a>	1024	0.172 s	0.172 s	
<a href="#">findpeaks&gt;keepAtMostNpPeaks</a>	1536	0.146 s	0.146 s	
<a href="#">close&gt;safegetchildren</a>	257	0.142 s	0.026 s	
<a href="#">allchild</a>	257	0.116 s	0.067 s	
<a href="#">hist</a>	512	0.109 s	0.099 s	
<a href="#">validatestring&gt;checkString</a>	4608	0.092 s	0.092 s	
<a href="#">validatestring&gt;checkInputs</a>	4608	0.061 s	0.061 s	
<a href="#">target</a>	9216	0.057 s	0.057 s	
<a href="#">close&gt;getEmptyHandleList</a>	257	0.054 s	0.054 s	
<a href="#">time2freq_lamb_2</a>	5	0.036 s	0.029 s	
<a href="#">Set_MZ_Input_Data_Simp</a>	5	0.033 s	0.028 s	
<a href="#">onCleanup&gt;onCleanup.delete</a>	257	0.020 s	0.007 s	
<a href="#">...set(rootobj,'ShowHiddenHandles',Temp)</a>	257	0.013 s	0.013 s	
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	257	0.013 s	0.013 s	
<a href="#">allchild&gt;getchildren</a>	257	0.012 s	0.012 s	
<a href="#">signal\private\chkinputdatatype</a>	3072	0.011 s	0.011 s	

<a href="#">axescheck</a>	512	0.010 s	0.010 s	
<a href="#">findpeaks&gt;assignOutputs</a>	1536	0.009 s	0.009 s	
<a href="#">isduration</a>	4608	0.008 s	0.008 s	
<a href="#">num2str</a>	10	0.005 s	0.003 s	
<a href="#">isdatetime</a>	1536	0.005 s	0.005 s	
<a href="#">uitools\private\allchildRootHelper</a>	257	0.003 s	0.003 s	
<a href="#">Fibra_Monomodo_Input_Data</a>	132	0.003 s	0.003 s	
<a href="#">time2freq</a>	1	0.003 s	0.001 s	
<a href="#">int2str</a>	10	0.002 s	0.002 s	
<a href="#">close&gt;checkfigs</a>	257	0.001 s	0.001 s	
<a href="#">close&gt;request_close</a>	257	0.001 s	0.001 s	
<a href="#">nextpow2</a>	3	0.001 s	0.001 s	
<a href="#">pwd</a>	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.