

















## Profile Summary

Generated 10-Sep-2018 09:32:54 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	590.501 s	184.149 s	
<a href="#">MZM</a>	1408	103.257 s	103.257 s	
<a href="#">DelayInterfG</a>	6858	97.090 s	97.090 s	
<a href="#">OpticalFFTGT</a>	4064	81.456 s	25.207 s	
<a href="#">MeasPower</a>	2560	51.668 s	51.668 s	
<a href="#">OpticalIFFTGT</a>	2794	50.813 s	9.971 s	
<a href="#">FindChanelResponse</a>	1	50.752 s	14.398 s	
<a href="#">ProagationDelayT</a>	1	33.893 s	7.024 s	
<a href="#">SelectEachCarrier</a>	2	32.025 s	26.069 s	
<a href="#">FiltroGaussiano</a>	4227	26.911 s	26.911 s	
<a href="#">findpeaks</a>	256	21.658 s	0.327 s	
<a href="#">findpeaks&gt;getAllPeaks</a>	256	13.642 s	0.682 s	
<a href="#">findpeaks&gt;findLocalMaxima</a>	256	12.960 s	12.960 s	
<a href="#">Fibra_Monomodo1</a>	148	6.005 s	5.920 s	
<a href="#">fftshift</a>	4376	5.128 s	5.128 s	
<a href="#">time2freq</a>	1280	3.617 s	3.075 s	
<a href="#">findpeaks&gt;orderPeaks</a>	256	2.919 s	2.919 s	
<a href="#">rectpulse</a>	2817	2.403 s	2.403 s	
<a href="#">mean</a>	4118	2.096 s	2.096 s	
<a href="#">findpeaks&gt;removePeaksBelowThreshold</a>	256	2.031 s	2.031 s	
<a href="#">linspace</a>	1280	1.844 s	1.844 s	

<a href="#">intdump</a>	2816	1.692 s	0.143 s	
<a href="#">unique</a>	3072	1.163 s	0.181 s	
<a href="#">findpeaks&gt;combinePeaks</a>	256	1.111 s	0.041 s	
<a href="#">union</a>	256	1.070 s	0.015 s	
<a href="#">union&gt;unionR2012a</a>	256	1.056 s	0.180 s	
<a href="#">close</a>	1281	1.033 s	0.073 s	
<a href="#">unique&gt;uniqueR2012a</a>	3072	0.982 s	0.982 s	
<a href="#">findpeaks&gt;removePeaksBelowMinPeakHeight</a>	256	0.832 s	0.832 s	
<a href="#">close&gt;safegetchildren</a>	1281	0.692 s	0.129 s	
<a href="#">findpeaks&gt;parse_inputs</a>	256	0.621 s	0.562 s	
<a href="#">allchild</a>	1281	0.563 s	0.332 s	
<a href="#">gammod</a>	1536	0.549 s	0.057 s	
<a href="#">gamdemod</a>	1280	0.441 s	0.049 s	
<a href="#">gammod&gt;processInput</a>	1536	0.344 s	0.042 s	
<a href="#">gamdemod&gt;processInput</a>	1280	0.286 s	0.091 s	
<a href="#">close&gt;getEmptyHandleList</a>	1281	0.258 s	0.258 s	
<a href="#">gammod&gt;processIntInput</a>	1536	0.216 s	0.014 s	
<a href="#">gammod&gt;processSymbols</a>	1536	0.172 s	0.024 s	
<a href="#">grayMappingQAM</a>	2816	0.168 s	0.161 s	
<a href="#">gammod&gt;processInputArgs</a>	1536	0.149 s	0.036 s	
<a href="#">...aksSeparatedByMoreThanMinPeakDistance</a>	256	0.148 s	0.148 s	
<a href="#">bin2gray</a>	1536	0.148 s	0.053 s	
<a href="#">ismember</a>	2816	0.110 s	0.021 s	
<a href="#">gamdemod&gt;processInputArgs</a>	1280	0.106 s	0.031 s	
<a href="#">gray2bin</a>	1280	0.104 s	0.030 s	
<a href="#">onCleanup&gt;onCleanup.delete</a>	1281	0.098 s	0.031 s	
<a href="#">ismember&gt;ismemberR2012a</a>	2816	0.089 s	0.067 s	

<a href="#">gamdemod&gt;computeHardInt</a>	1280	0.088 s	0.083 s	
<a href="#">squaregamconst</a>	1536	0.086 s	0.081 s	
<a href="#">...set(rootobj,'ShowHiddenHandles',Temp)</a>	1281	0.068 s	0.068 s	
<a href="#">allchild&gt;getchildren</a>	1281	0.061 s	0.061 s	
<a href="#">gammod&gt;validateInputArgs</a>	1536	0.059 s	0.021 s	
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	1281	0.058 s	0.058 s	
<a href="#">gammod&gt;validateInput</a>	1536	0.054 s	0.048 s	
<a href="#">gamdemod&gt;validateInputArgs</a>	1280	0.048 s	0.018 s	
<a href="#">validatestring</a>	768	0.045 s	0.017 s	
<a href="#">gammod&gt;validateM</a>	1536	0.038 s	0.038 s	
<a href="#">gamdemod&gt;validateM</a>	1280	0.030 s	0.030 s	
<a href="#">gammod&gt;lookupTable</a>	1536	0.030 s	0.030 s	
<a href="#">gamdemod&gt;validateInput</a>	1280	0.027 s	0.022 s	
<a href="#">findpeaks&gt;keepAtMostNpPeaks</a>	256	0.026 s	0.026 s	
<a href="#">Set_MZ_Input_Data_Simp</a>	5	0.025 s	0.020 s	
<a href="#">isfi</a>	6912	0.022 s	0.022 s	
<a href="#">ismember&gt;ismemberBuiltinTypes</a>	2816	0.021 s	0.021 s	
<a href="#">fliplr</a>	2816	0.020 s	0.020 s	
<a href="#">validatestring&gt;checkString</a>	768	0.017 s	0.017 s	
<a href="#">uitools\private\allchildRootHelper</a>	1281	0.014 s	0.014 s	
<a href="#">flipud</a>	1408	0.011 s	0.011 s	
<a href="#">validatestring&gt;checkInputs</a>	768	0.011 s	0.011 s	
<a href="#">nullcopy</a>	2816	0.010 s	0.010 s	
<a href="#">target</a>	1536	0.010 s	0.010 s	
<a href="#">time2freq_lamb_2</a>	1	0.010 s	0.007 s	
<a href="#">close&gt;checkfigs</a>	1281	0.006 s	0.006 s	
<a href="#">num2str</a>	10	0.005 s	0.003 s	

<a href="#">close&gt;request_close</a>	1281	0.005 s	0.005 s	
<a href="#">Fibra_Monomodo_Input_Data</a>	148	0.003 s	0.003 s	
<a href="#">signal\private\chkinputdatatype</a>	512	0.002 s	0.002 s	
<a href="#">findpeaks&gt;assignOutputs</a>	256	0.002 s	0.002 s	
<a href="#">int2str</a>	10	0.002 s	0.002 s	
<a href="#">isduration</a>	768	0.001 s	0.001 s	
<a href="#">nextpow2</a>	6	0.001 s	0.001 s	
<a href="#">isdatetime</a>	256	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.