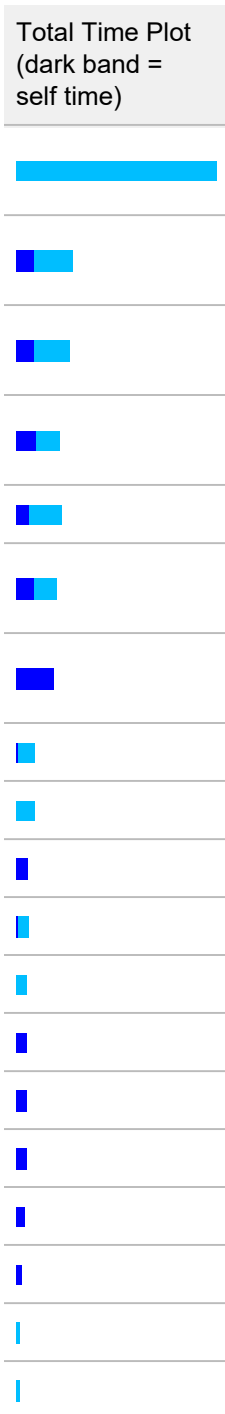


## Profile Summary

Generated 09-Sep-2018 20:56:32 using performance time.

<a href="#">Function Name</a>	<a href="#">Calls</a>	<a href="#">Total Time</a>	<a href="#">Self Time*</a>
<a href="#">MAIN</a>	1	1491.185 s	1.971 s
<a href="#">DatumUpstrRec</a>	10	412.924 s	133.187 s
<a href="#">DatumReception</a>	10	406.146 s	131.075 s
<a href="#">DatumTransmission</a>	10	336.115 s	154.191 s
<a href="#">DatumUpstream</a>	10	333.676 s	97.344 s
<a href="#">OpticalFFTN</a>	3810	307.334 s	140.733 s
<a href="#">DelayInterfExp</a>	6350	280.339 s	280.339 s
<a href="#">OpticalIFFTN</a>	2540	132.527 s	18.788 s
<a href="#">findpeaks</a>	2816	131.823 s	1.765 s
<a href="#">Mach_Zehnder_Modulator_simplificado_2</a>	1280	94.523 s	92.770 s
<a href="#">std</a>	3932160	87.290 s	17.316 s
<a href="#">findpeaks&gt;getAllPeaks</a>	2816	82.841 s	4.251 s
<a href="#">findpeaks&gt;findLocalMaxima</a>	2816	78.590 s	78.590 s
<a href="#">mean</a>	8937001	70.768 s	70.768 s
<a href="#">var</a>	3932160	69.974 s	69.974 s
<a href="#">MeasPower</a>	3840	65.236 s	62.646 s
<a href="#">FiltroGaussiano</a>	2749	39.954 s	39.954 s
<a href="#">DatumTransmissionInputData</a>	10	34.382 s	0.059 s
<a href="#">ProagationDelay</a>	1	33.973 s	7.021 s



<a href="#">findpeaks&gt;orderPeaks</a>	2816	17.297 s	17.297 s
<a href="#">SelectEachCarrier</a>	1	15.924 s	12.992 s
<a href="#">findpeaks&gt;removePeaksBelowThreshold</a>	2816	12.338 s	12.338 s
<a href="#">findpeaks&gt;combinePeaks</a>	2816	6.956 s	0.266 s
<a href="#">union</a>	2816	6.691 s	0.111 s
<a href="#">union&gt;unionR2012a</a>	2816	6.580 s	1.098 s
<a href="#">fftshift</a>	4178	5.894 s	5.894 s
<a href="#">Fibra_Monomodo1</a>	148	5.877 s	5.793 s
<a href="#">unique</a>	2816	5.482 s	0.182 s
<a href="#">unique&gt;uniqueR2012a</a>	2816	5.299 s	5.299 s
<a href="#">hist</a>	5120	5.295 s	5.232 s
<a href="#">findpeaks&gt;removePeaksBelowMinPeakHeight</a>	2816	5.139 s	5.139 s
<a href="#">findpeaks&gt;parse_inputs</a>	2816	4.361 s	3.765 s
<a href="#">Mapping4Pamlq</a>	1280	3.311 s	3.293 s
<a href="#">linspace</a>	7700	2.653 s	2.653 s
<a href="#">Import_Data_MZM</a>	1280	1.753 s	0.897 s
<a href="#">rectpulse</a>	2601	1.604 s	1.604 s
<a href="#">close</a>	1281	1.035 s	0.076 s
<a href="#">clearvars</a>	1290	1.019 s	0.634 s
<a href="#">...aksSeparatedByMoreThanMinPeakDistance</a>	2816	0.930 s	0.930 s
<a href="#">close&gt;safegetchildren</a>	1281	0.686 s	0.129 s
<a href="#">allchild</a>	1281	0.557 s	0.326 s
<a href="#">validatestring</a>	8448	0.461 s	0.177 s
<a href="#">DatumUpstreamInputData</a>	10	0.456 s	0.058 s
<a href="#">close&gt;getEmptyHandleList</a>	1281	0.262 s	0.262 s
<a href="#">clearvars&gt;createPattern</a>	1300	0.215 s	0.123 s
<a href="#">evm1</a>	1280	0.215 s	0.055 s



<a href="#">clearvars&gt;parseArgs</a>	1290	0.170 s	0.170 s
<a href="#">validatestring&gt;checkString</a>	8448	0.169 s	0.169 s
<a href="#">findpeaks&gt;keepAtMostNpPeaks</a>	2816	0.168 s	0.168 s
<a href="#">modnorm</a>	6400	0.150 s	0.069 s
<a href="#">num2str</a>	1392	0.147 s	0.058 s
<a href="#">EvmCalc</a>	1280	0.127 s	0.040 s
<a href="#">validatestring&gt;checkInputs</a>	8448	0.115 s	0.115 s
<a href="#">ismember</a>	2560	0.114 s	0.016 s
<a href="#">onCleanup&gt;onCleanup.delete</a>	1281	0.097 s	0.031 s
<a href="#">ismember&gt;ismemberR2012a</a>	2560	0.097 s	0.054 s
<a href="#">target</a>	16896	0.094 s	0.094 s
<a href="#">strjoin</a>	1290	0.092 s	0.087 s
<a href="#">int2str</a>	1392	0.088 s	0.088 s
<a href="#">Make_MZ_Input_Files_Simp</a>	11	0.084 s	0.005 s
<a href="#">Set_MZ_Input_Data_Simp</a>	45	0.080 s	0.070 s
<a href="#">...set(rootobj,'ShowHiddenHandles',Temp)</a>	1281	0.067 s	0.067 s
<a href="#">axescheck</a>	5120	0.063 s	0.063 s
<a href="#">pammod</a>	1280	0.062 s	0.034 s
<a href="#">allchild&gt;getchildren</a>	1281	0.061 s	0.061 s
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	1281	0.058 s	0.058 s
<a href="#">ismember&gt;ismemberBuiltinTypes</a>	2560	0.043 s	0.043 s
<a href="#">DatumReceptionInputData</a>	10	0.039 s	0.030 s
<a href="#">DatumUpstrReclInputData</a>	10	0.036 s	0.029 s
<a href="#">genqammod</a>	1280	0.029 s	0.029 s
<a href="#">Make_MZ_Input_Files_DP</a>	11	0.027 s	0.005 s
<a href="#">findpeaks&gt;assignOutputs</a>	2816	0.026 s	0.026 s
<a href="#">pwd</a>	1322	0.024 s	0.024 s



<a href="#">Set_MZ_Input_Data_DP</a>	11	0.022 s	0.021 s
<a href="#">signal\private\chkinputdatatype</a>	5632	0.019 s	0.019 s
<a href="#">isduration</a>	8448	0.014 s	0.014 s
<a href="#">uitools\private\allchildRootHelper</a>	1281	0.014 s	0.014 s
<a href="#">isdatetime</a>	2816	0.009 s	0.009 s
<a href="#">time2freq_lamb_2</a>	1	0.009 s	0.006 s
<a href="#">close&gt;checkfigs</a>	1281	0.005 s	0.005 s
<a href="#">strfun\private\strescape</a>	1290	0.005 s	0.005 s
<a href="#">time2freq</a>	20	0.004 s	0.003 s
<a href="#">close&gt;request_close</a>	1281	0.004 s	0.004 s
<a href="#">Fibra_Monomodo_Input_Data</a>	148	0.004 s	0.004 s
<a href="#">MainInputData</a>	1	0.003 s	0.002 s
<a href="#">nextpow2</a>	40	0.003 s	0.003 s
<a href="#">PrintInfo</a>	10	0.002 s	0.002 s
<a href="#">MZ_Input_Data_DP</a>	20	0.002 s	0.002 s
<a href="#">MZ_Input_Data</a>	20	0.002 s	0.002 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.

