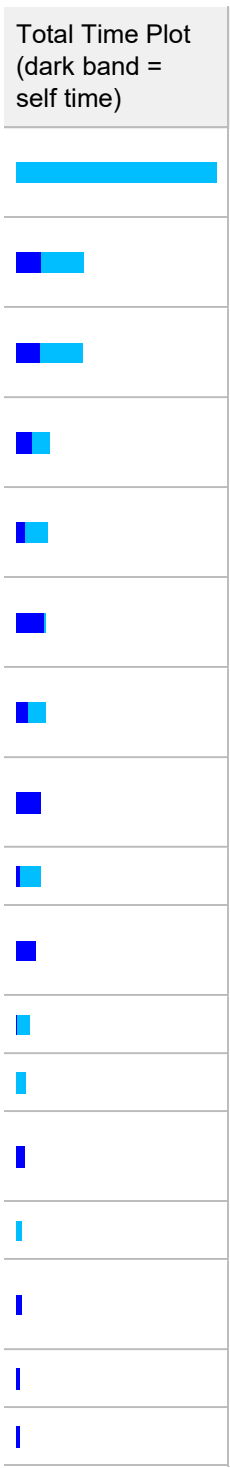


Profile Summary

Generated 13-Sep-2018 19:11:17 using performance time.

Function Name	Calls	Total Time	Self Time*
MAIN	1	4069.014 s	2.368 s
DatumUpstrRec	10	1389.416 s	536.079 s
DatumReception	10	1348.596 s	507.370 s
DatumTransmission	10	666.144 s	315.603 s
DatumUpstream	10	661.800 s	195.446 s
DelayInterfExp	6350	593.923 s	553.030 s
OpticalFFTN	3810	581.017 s	227.610 s
mean	8943351	505.137 s	505.137 s
std	3932160	502.789 s	90.418 s
var	3932160	412.371 s	412.371 s
OpticalIFFTN	2540	272.958 s	32.442 s
findpeaks	2816	212.006 s	3.547 s
Mach_Zehnder_Modulator_simplificado_2	1280	183.099 s	179.516 s
findpeaks>getAllPeaks	2816	128.732 s	6.773 s
findpeaks>findLocalMaxima	2816	121.959 s	121.959 s
MeasPower	3840	100.013 s	96.444 s
FiltroGaussiano	2749	61.068 s	61.068 s



DatumTransmissionInputData	10	57.438 s	0.099 s
ProagationDelay	1	56.756 s	13.163 s
time2freq	6370	40.898 s	33.747 s
SelectEachCarrier	1	29.389 s	25.185 s
findpeaks>orderPeaks	2816	27.910 s	27.910 s
Maping4Pamlq	1280	22.095 s	22.025 s
findpeaks>removePeaksBelowThreshold	2816	20.897 s	20.897 s
findpeaks>combinePeaks	2816	11.892 s	0.589 s
union	2816	11.303 s	0.320 s
union>unionR2012a	2816	10.983 s	1.768 s
Fibra_Monomodo1	148	10.632 s	10.505 s
hist	5120	9.376 s	9.107 s
findpeaks>parse_inputs	2816	9.366 s	6.967 s
unique	2816	9.214 s	0.599 s
fftshift	4208	9.005 s	9.005 s
unique>uniqueR2012a	2816	8.616 s	8.616 s
findpeaks>removePeaksBelowMinPeakHeight	2816	8.032 s	8.032 s
rectpulse	2601	5.845 s	5.845 s
linspace	7700	3.858 s	3.858 s
Import_Data_MZM	1280	3.582 s	1.423 s
close	1281	2.643 s	0.231 s
clearvars	1290	2.345 s	1.271 s
close>safegetchildren	1281	1.800 s	0.316 s
validatestring	8448	1.748 s	0.637 s
allchild	1281	1.484 s	0.843 s
...aksSeparatedByMoreThanMinPeakDistance	2816	1.209 s	1.209 s
evm1	1280	1.066 s	0.212 s

DatumUpstreamInputData	10	0.969 s	0.108 s
modnorm	6400	0.740 s	0.327 s
validatestring>checkString	8448	0.697 s	0.697 s
close>getEmptyHandleList	1281	0.581 s	0.581 s
clearvars>parseArgs	1290	0.538 s	0.538 s
clearvars>createPattern	1300	0.536 s	0.264 s
EvmCalc	1280	0.487 s	0.139 s
target	16896	0.466 s	0.466 s
ismember	2560	0.445 s	0.076 s
num2str	1392	0.428 s	0.193 s
validatestring>checkInputs	8448	0.414 s	0.414 s
ismember>ismemberR2012a	2560	0.369 s	0.201 s
Make_MZ_Input_Files_Simp	11	0.353 s	0.015 s
Set_MZ_Input_Data_Simp	45	0.338 s	0.306 s
db	30	0.333 s	0.333 s
findpeaks>keepAtMostNpPeaks	2816	0.330 s	0.330 s
strjoin	1290	0.272 s	0.249 s
axescheck	5120	0.269 s	0.269 s
onCleanup>onCleanup.delete	1281	0.263 s	0.095 s
pammod	1280	0.238 s	0.130 s
int2str	1392	0.234 s	0.234 s
ismember>ismemberBuiltinTypes	2560	0.168 s	0.168 s
...set(rootobj,'ShowHiddenHandles',Temp)	1281	0.168 s	0.168 s
allchild>getchildren	1281	0.166 s	0.166 s
onCleanup>onCleanup.onCleanup	1281	0.165 s	0.165 s
genqammod	1280	0.107 s	0.107 s
DatumReceptionInputData	10	0.103 s	0.062 s

Make_MZ_Input_Files_DP	11	0.092 s	0.015 s
findpeaks>assignOutputs	2816	0.090 s	0.090 s
signal\private\chkinputdatatype	5632	0.087 s	0.087 s
Set_MZ_Input_Data_DP	11	0.077 s	0.071 s
DatumUpstrRecInputData	10	0.067 s	0.053 s
isduration	8448	0.065 s	0.065 s
pwd	1322	0.063 s	0.063 s
uitools\private\allchildRootHelper	1281	0.047 s	0.047 s
isdatetime	2816	0.033 s	0.033 s
PrintInfo	40	0.033 s	0.033 s
strfun\private\strescape	1290	0.023 s	0.023 s
close>checkfigs	1281	0.017 s	0.017 s
close>request_close	1281	0.014 s	0.014 s
time2freq_lamb_2	1	0.013 s	0.008 s
Fibra_Monomodo_Input_Data	148	0.009 s	0.009 s
MainInputData	1	0.008 s	0.007 s
MZ_Input_Data_DP	20	0.005 s	0.005 s
nextpow2	40	0.005 s	0.005 s
MZ_Input_Data	20	0.003 s	0.003 s

Self time is the time spent in a function excluding the time spent in its child function. Self time also includes overhead resulting from the process of profiling.

