Profile Summary

Generated 13-Sep-2018 13:35:28 using performance time.

Function Name	Calls	Total Time	Self Time*
MAIN	1	3154.505 s	2.319 s
DatumReception	10	953.190 s	222.109 s
DatumUpstrRec	10	944.099 s	219.246 s
DatumTransmission	10	633.904 s	309.622 s
DatumUpstream	10	620.352 s	192.093 s
Olho	1280	592.470 s	228.211 s
DelayInterfExp	6350	583.595 s	542.974 s
OpticalFFTN	3810	571.390 s	222.934 s
mean	6451191	368.081 s	368.081 s
OpticalIFFTN	2540	267.312 s	32.172 s
findpeaks	2816	214.994 s	3.569 s
Mach_Zehnder_Modulator_simplificado_2	1280	185.080 s	181.435 s
std	1310720	170.004 s	31.748 s
var	1310720	138.256 s	138.256 s
findpeaks>getAllPeaks	2816	130.384 s	6.841 s
findpeaks>findLocalMaxima	2816	123.543 s	123.543 s

Total Time Plot (dark band = self time)
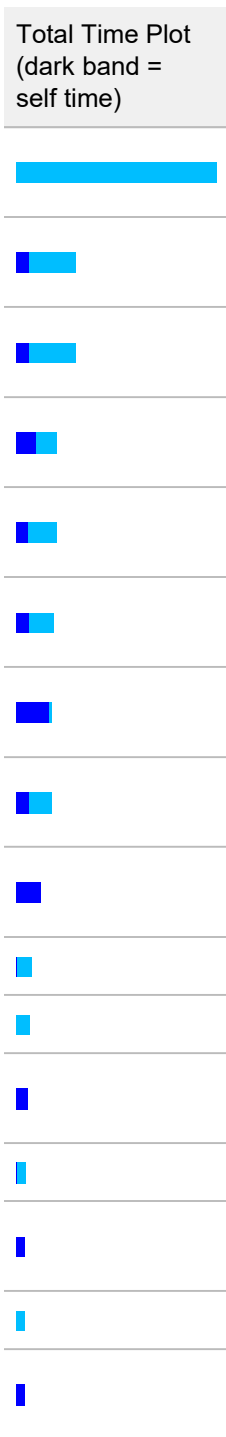
MeasPower	3840	100.556 s	96.886 s
DatumTransmissionInputData	10	60.246 s	0.097 s
ProgationDelay	1	59.550 s	13.684 s
time2freq	6370	40.627 s	33.614 s
FiltroGaussiano	2749	30.195 s	30.195 s
SelectEachCarrier	1	29.443 s	24.872 s
findpeaks>orderPeaks	2816	28.231 s	28.231 s
findpeaks>removePeaksBelowThreshold	2816	21.195 s	21.195 s
findpeaks>combinePeaks	2816	12.231 s	0.607 s
union	2816	11.623 s	0.318 s
union>unionR2012a	2816	11.305 s	1.819 s
Fibra_Monomodo1	148	10.874 s	10.742 s
hist	3840	10.510 s	10.325 s
findpeaks>parse_inputs	2816	9.505 s	7.003 s
unique	2816	9.486 s	0.611 s
fftshift	4208	9.058 s	9.058 s
unique>uniqueR2012a	2816	8.875 s	8.875 s
findpeaks>removePeaksBelowMinPeakHeight	2816	8.174 s	8.174 s
linspace	6420	6.792 s	6.792 s
Import_Data_MZM	1280	3.645 s	1.436 s
close	1281	2.650 s	0.215 s
rectpulse	1321	2.592 s	2.592 s
clearvars	1290	2.329 s	1.241 s
close>safegetchildren	1281	1.823 s	0.307 s
validatestring	8448	1.792 s	0.674 s
allchild	1281	1.516 s	0.858 s
...aksSeparatedByMoreThanMinPeakDistance	2816	1.273 s	1.273 s

evm1	1280	1.011 s	0.207 s
DatumUpstreamInputData	10	1.011 s	0.116 s
modnorm	6400	0.736 s	0.320 s
validatestring>checkString	8448	0.691 s	0.691 s
close>getEmptyHandleList	1281	0.578 s	0.578 s
clearvars>createPattern	1300	0.556 s	0.278 s
clearvars>parseArgs	1290	0.533 s	0.533 s
EvmCalc	1280	0.496 s	0.134 s
target	16896	0.491 s	0.491 s
ismember	2560	0.432 s	0.071 s
num2str	1392	0.430 s	0.195 s
validatestring>checkInputs	8448	0.426 s	0.426 s
ismember>ismemberR2012a	2560	0.360 s	0.196 s
Make_MZ_Input_Files_Simp	11	0.347 s	0.013 s
findpeaks>keepAtMostNpPeaks	2816	0.338 s	0.338 s
Set_MZ_Input_Data_Simp	45	0.334 s	0.301 s
db	30	0.306 s	0.306 s
strjoin	1290	0.278 s	0.255 s
onCleanup>onCleanup.delete	1281	0.278 s	0.095 s
int2str	1392	0.235 s	0.235 s
pammod	1280	0.223 s	0.119 s
axescheck	3840	0.185 s	0.185 s
...set(rootobj,'ShowHiddenHandles',Temp)	1281	0.183 s	0.183 s
allchild>getchildren	1281	0.167 s	0.167 s
onCleanup>onCleanup.onCleanup	1281	0.164 s	0.164 s
ismember>ismemberBuiltinTypes	2560	0.164 s	0.164 s
Make_MZ_Input_Files_DP	11	0.108 s	0.014 s

genqammod	1280	0.104 s	0.104 s
signal\private\chkinputdatatype	5632	0.098 s	0.098 s
findpeaks>assignOutputs	2816	0.094 s	0.094 s
Set_MZ_Input_Data_DP	11	0.093 s	0.087 s
DatumUpstrRecInputData	10	0.088 s	0.059 s
DatumReceptionInputData	10	0.081 s	0.065 s
pwd	1322	0.078 s	0.078 s
isduration	8448	0.073 s	0.073 s
uitools\private\allchildRootHelper	1281	0.049 s	0.049 s
isdatetime	2816	0.048 s	0.048 s
PrintInfo	40	0.031 s	0.031 s
strfun\private\strescape	1290	0.023 s	0.023 s
close>checkfigs	1281	0.021 s	0.021 s
time2freq_lamb_2	1	0.014 s	0.009 s
close>request_close	1281	0.013 s	0.013 s
Fibra_Monomodo_Input_Data	148	0.011 s	0.011 s
MainInputData	1	0.006 s	0.005 s
nextpow2	40	0.005 s	0.005 s
MZ_Input_Data_DP	20	0.004 s	0.004 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 functio
time also includes overhead resulting from the process of profiling.

ns. Self