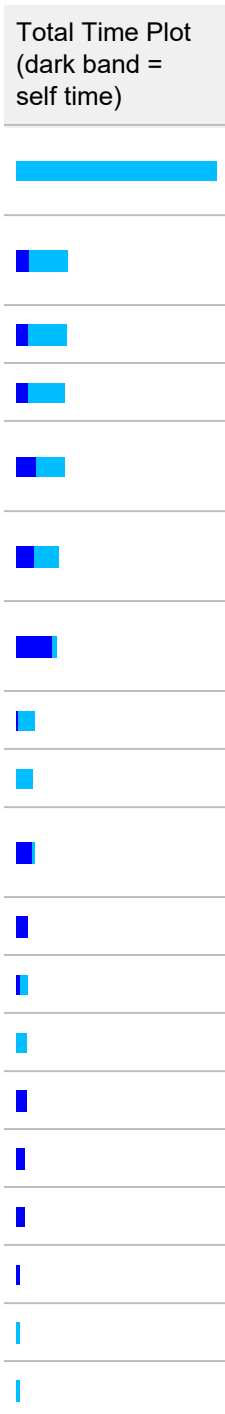


Profile Summary

Generated 09-Sep-2018 23:30:10 using performance time.

Function Name	Calls	Total Time	Self Time*
MAIN	1	1540.786 s	1.788 s
DatumUpstrRec	10	403.220 s	108.021 s
DatumReception	10	396.170 s	98.336 s
DatumUpstream	10	371.289 s	98.934 s
DatumTransmission	10	367.961 s	156.322 s
OpticalFFTn	3810	328.803 s	141.570 s
DelayInterfExp	6350	312.760 s	284.973 s
OpticalIFFTN	2540	144.175 s	18.648 s
findpeaks	1536	130.411 s	1.671 s
DelayInterf	2560	127.479 s	116.561 s
Mach_Zehnder_Modulator_simplificado_2	1280	96.372 s	94.610 s
Olho	1280	90.068 s	31.092 s
findpeaks>getAllPeaks	1536	82.758 s	4.192 s
findpeaks>findLocalMaxima	1536	78.566 s	78.566 s
mean	8583031	69.179 s	69.179 s
MeasPower	3840	65.215 s	62.599 s
time2freq	8930	38.708 s	32.729 s
DatumTransmissionInputData	10	34.641 s	0.057 s
ProagationDelay	1	34.218 s	7.055 s



std	1310720	29.918 s	5.809 s
var	1310720	24.109 s	24.109 s
FiltroGaussiano	2749	18.407 s	18.407 s
findpeaks>orderPeaks	1536	17.138 s	17.138 s
SelectEachCarrier	1	16.407 s	13.436 s
findpeaks>removePeaksBelowThreshold	1536	12.274 s	12.274 s
findpeaks>combinePeaks	1536	6.747 s	0.243 s
union	1536	6.505 s	0.078 s
union>unionR2012a	1536	6.427 s	1.072 s
fftshift	4208	6.268 s	6.268 s
Fibra_Monomodo1	148	5.910 s	5.823 s
unique	1536	5.354 s	0.126 s
unique>uniqueR2012a	1536	5.228 s	5.228 s
findpeaks>removePeaksBelowMinPeakHeight	1536	5.090 s	5.090 s
DpskEncodeEq	1280	4.846 s	4.846 s
linspace	6420	4.729 s	4.729 s
findpeaks>parse_inputs	1536	3.670 s	3.318 s
Import_Data_MZM	1280	1.762 s	0.916 s
clearvars	1290	1.009 s	0.632 s
...aksSeparatedByMoreThanMinPeakDistance	1536	0.896 s	0.896 s
rectpulse	1321	0.817 s	0.817 s
evm1	5120	0.634 s	0.117 s
DatumUpstreamInputData	10	0.580 s	0.075 s
modnorm	25600	0.442 s	0.190 s
hist	3840	0.340 s	0.298 s
EvmCalc	5120	0.295 s	0.085 s
validatestring	4608	0.267 s	0.104 s

clearvars>createPattern	1300	0.211 s	0.122 s
db	30	0.209 s	0.209 s
Make_MZ_Input_Files_Simp	11	0.167 s	0.006 s
clearvars>parseArgs	1290	0.166 s	0.166 s
Set_MZ_Input_Data_Simp	45	0.161 s	0.150 s
findpeaks>keepAtMostNpPeaks	1536	0.157 s	0.157 s
num2str	1392	0.153 s	0.061 s
dpskmod	5120	0.151 s	0.151 s
ismember	2560	0.107 s	0.016 s
validatestring>checkString	4608	0.099 s	0.099 s
int2str	1392	0.093 s	0.093 s
ismember>ismemberR2012a	2560	0.091 s	0.052 s
strjoin	1290	0.088 s	0.084 s
validatestring>checkInputs	4608	0.064 s	0.064 s
target	9216	0.060 s	0.060 s
Make_MZ_Input_Files_DP	11	0.055 s	0.006 s
Set_MZ_Input_Data_DP	11	0.049 s	0.047 s
axescheck	3840	0.043 s	0.043 s
ismember>ismemberBuiltinTypes	2560	0.039 s	0.039 s
pwd	1322	0.025 s	0.025 s
DatumReceptionInputData	10	0.022 s	0.013 s
DatumUpstrRecInputData	10	0.020 s	0.013 s
PrintInfo	40	0.017 s	0.017 s
signal/private/chkinputdatatype	3072	0.011 s	0.011 s
close	1	0.011 s	0.003 s
findpeaks>assignOutputs	1536	0.010 s	0.010 s
time2freq_lamb_2	1	0.009 s	0.006 s

isduration	4608	0.007 s	0.007 s
close>safegetchildren	1	0.006 s	0.001 s
isdatetime	1536	0.005 s	0.005 s
allchild	1	0.005 s	0.003 s
strfun\private\strescape	1290	0.005 s	0.005 s
Fibra_Monomodo_Input_Data	148	0.003 s	0.003 s
MainInputData	1	0.003 s	0.002 s
nextpow2	40	0.002 s	0.002 s
MZ_Input_Data_DP	20	0.002 s	0.002 s
MZ_Input_Data	20	0.002 s	0.002 s
onCleanup>onCleanup.delete	1	0.001 s	0.001 s
onCleanup>onCleanup.onCleanup	1	0.001 s	0.001 s
uitools\private\allchildRootHelper	1	0.001 s	0.001 s
...set(rootobj,'ShowHiddenHandles',Temp)	1	0.000 s	0.000 s
close>getEmptyHandleList	1	0.000 s	0.000 s
allchild>getchildren	1	0.000 s	0.000 s
close>request_close	1	0.000 s	0.000 s
close>checkfigs	1	0.000 s	0.000 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.

