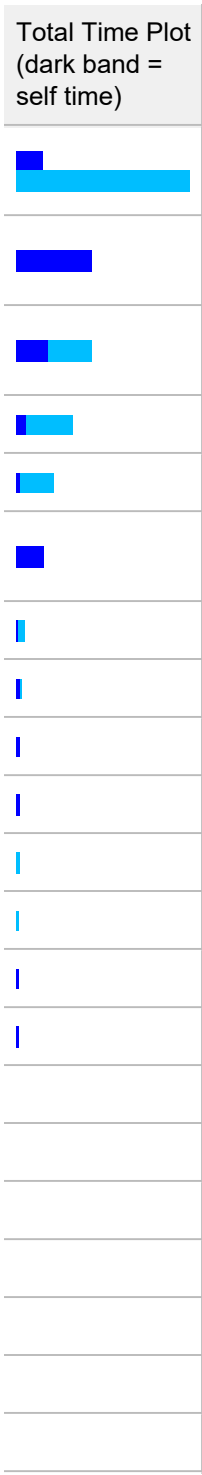


Profile Summary

Generated 10-Sep-2018 12:22:38 using performance time.

Function Name	Calls	Total Time	Self Time*
MainOptimizing4	1	1050.456 s	137.781 s
DelayInterfExp	1778	404.220 s	404.220 s
OpticalFFTNT	1016	394.082 s	163.450 s
FindChanelResponse	1	296.202 s	57.180 s
OpticalIFFTNT	762	195.136 s	21.547 s
MZM	384	147.135 s	147.135 s
ProagationDelayT	1	34.032 s	7.098 s
SelectEachCarrier	2	31.804 s	25.941 s
FiltroGaussiano	1155	24.007 s	24.007 s
MeasPower	512	22.801 s	22.801 s
findpeaks	256	21.783 s	0.344 s
findpeaks>getAllPeaks	256	13.654 s	0.688 s
findpeaks>findLocalMaxima	256	12.967 s	12.967 s
Fibra_Monomodo1	132	5.939 s	5.847 s
findpeaks>orderPeaks	256	2.952 s	2.952 s
rectpulse	769	2.928 s	2.928 s
fftshift	1292	2.760 s	2.760 s
mean	1034	2.242 s	2.242 s
intdump	768	2.157 s	0.051 s
findpeaks>removePeaksBelowThreshold	256	2.057 s	2.057 s
qamdemod	1024	1.521 s	0.032 s



gamdemod>processInput	1024	1.424 s	0.062 s
gamdemod>computeHardInt	1024	1.279 s	0.062 s
genqamdemod	512	1.198 s	1.198 s
findpeaks>combinePeaks	256	1.125 s	0.043 s
union	256	1.082 s	0.014 s
union>unionR2012a	256	1.068 s	0.183 s
unique	1024	0.982 s	0.074 s
unique>uniqueR2012a	1024	0.907 s	0.907 s
findpeaks>removePeaksBelowMinPeakHeight	256	0.853 s	0.853 s
time2freq	256	0.769 s	0.642 s
findpeaks>parse_inputs	256	0.615 s	0.558 s
gammod	2048	0.528 s	0.055 s
linspace	256	0.394 s	0.394 s
close	257	0.345 s	0.022 s
gammod>processInput	2048	0.332 s	0.033 s
gammod>processIntInput	2048	0.225 s	0.017 s
close>safegetchildren	257	0.224 s	0.064 s
grayMappingQAM	3072	0.165 s	0.159 s
gammod>processSymbols	2048	0.163 s	0.020 s
allchild	257	0.159 s	0.105 s
...aksSeparatedByMoreThanMinPeakDistance	256	0.150 s	0.150 s
bin2gray	2048	0.142 s	0.036 s
gammod>processInputArgs	2048	0.141 s	0.032 s
close>getEmptyHandleList	257	0.097 s	0.097 s
squareqamconst	2560	0.089 s	0.083 s
ismember	3072	0.085 s	0.018 s
gray2bin	1024	0.081 s	0.022 s

ismember>ismemberR2012a	3072	0.067 s	0.051 s
gamdemod>processInputArgs	1024	0.065 s	0.019 s
gammod>validateInput	2048	0.056 s	0.051 s
gammod>validateInputArgs	2048	0.053 s	0.018 s
gammod>lookupTable	2048	0.046 s	0.046 s
validatestring	768	0.043 s	0.017 s
time2freq_lamb_2	5	0.035 s	0.028 s
gammod>validateM	2048	0.034 s	0.034 s
findpeaks>keepAtMostNpPeaks	256	0.029 s	0.029 s
gamdemod>validateInputArgs	1024	0.029 s	0.011 s
Set_MZ_Input_Data_Simp	5	0.027 s	0.022 s
onCleanup>onCleanup.delete	257	0.021 s	0.007 s
gamdemod>validateM	1024	0.018 s	0.018 s
gamdemod>validateInput	1024	0.018 s	0.015 s
ismember>ismemberBuiltinTypes	3072	0.016 s	0.016 s
isfi	7168	0.016 s	0.016 s
validatestring>checkString	768	0.016 s	0.016 s
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.014 s	0.014 s
onCleanup>onCleanup.onCleanup	257	0.013 s	0.013 s
allchild>getchildren	257	0.013 s	0.013 s
validatestring>checkInputs	768	0.010 s	0.010 s
target	1536	0.010 s	0.010 s
nullcopy	3584	0.009 s	0.009 s
fliplr	768	0.008 s	0.008 s
uitools\private\allchildRootHelper	257	0.007 s	0.007 s
num2str	10	0.005 s	0.003 s
flipud	384	0.005 s	0.005 s

Fibra_Monomodo_Input_Data	132	0.003 s	0.003 s
signal\private\chkinputdatatype	512	0.002 s	0.002 s
findpeaks>assignOutputs	256	0.002 s	0.002 s
int2str	10	0.002 s	0.002 s
isduration	768	0.001 s	0.001 s
close>checkfigs	257	0.001 s	0.001 s
close>request_close	257	0.001 s	0.001 s
nextpow2	6	0.001 s	0.001 s
isdatetime	256	0.001 s	0.001 s
pwd	4	0.000 s	0.000 s

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

ctions. Self