

Profile Summary

Generated 16-Sep-2018 23:31:42 using performance time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing5	1	637.168 s	209.689 s	
FindChanelResponse	1	189.643 s	73.705 s	
DelayInterfG	8890	121.523 s	121.523 s	
OpticalFFTGT	5080	97.990 s	29.730 s	
OpticalIFFTGT	3810	66.002 s	12.738 s	
MZM	128	47.675 s	47.675 s	
ProagationDelayT	1	33.564 s	7.022 s	
SelectEachCarrier	2	32.433 s	26.517 s	
MZMGT	1280	24.026 s	24.026 s	
FiltroGaussiano	1155	23.725 s	23.725 s	
MeasPower	512	22.362 s	22.362 s	
findpeaks	256	21.501 s	0.336 s	
findpeaks>getAllPeaks	256	13.532 s	0.675 s	
findpeaks>findLocalMaxima	256	12.857 s	12.857 s	
Fibra_Monomodo1	132	5.849 s	5.758 s	
rectpulse	769	2.915 s	2.915 s	
findpeaks>orderPeaks	256	2.913 s	2.913 s	
fftshift	1292	2.680 s	2.680 s	
mean	1034	2.192 s	2.192 s	
intdump	768	2.113 s	0.045 s	
findpeaks>removePeaksBelowThreshold	256	2.000 s	2.000 s	

gamdemod	1024	1.406 s	0.029 s	
gamdemod>processInput	1024	1.315 s	0.048 s	
gamdemod>computeHardInt	1024	1.195 s	0.057 s	
genqamdemod	512	1.121 s	1.121 s	
findpeaks>combinePeaks	256	1.101 s	0.042 s	
union	256	1.059 s	0.014 s	
union>unionR2012a	256	1.045 s	0.181 s	
unique	1024	0.944 s	0.065 s	
unique>uniqueR2012a	1024	0.878 s	0.878 s	
findpeaks>removePeaksBelowMinPeakHeight	256	0.828 s	0.828 s	
time2freq	256	0.759 s	0.642 s	
findpeaks>parse_inputs	256	0.614 s	0.557 s	
gammod	2048	0.465 s	0.051 s	
linspace	256	0.407 s	0.407 s	
gammod>processInput	2048	0.282 s	0.027 s	
close	257	0.217 s	0.017 s	
gammod>processIntInput	2048	0.192 s	0.015 s	
close>safegetchildren	257	0.147 s	0.027 s	
...aksSeparatedByMoreThanMinPeakDistance	256	0.146 s	0.146 s	
gammod>processSymbols	2048	0.146 s	0.018 s	
grayMappingQAM	3072	0.145 s	0.139 s	
gammod>processInputArgs	2048	0.131 s	0.030 s	
bin2gray	2048	0.128 s	0.035 s	
allchild	257	0.119 s	0.071 s	
ismember	3072	0.077 s	0.016 s	
squaregamconst	2560	0.076 s	0.070 s	
gray2bin	1024	0.070 s	0.018 s	

qamdemod>processInputArgs	1024	0.062 s	0.017 s	
ismember>ismemberR2012a	3072	0.061 s	0.045 s	
gammod>validateInput	2048	0.052 s	0.047 s	
close>getEmptyHandleList	257	0.051 s	0.051 s	
gammod>validateInputArgs	2048	0.050 s	0.018 s	
validatestring	768	0.043 s	0.017 s	
time2freq_lamb_2	5	0.033 s	0.027 s	
gammod>lookupTable	2048	0.032 s	0.032 s	
gammod>validateM	2048	0.031 s	0.031 s	
findpeaks>keepAtMostNpPeaks	256	0.028 s	0.028 s	
qamdemod>validateInputArgs	1024	0.028 s	0.010 s	
Set_MZ_Input_Data_Simp	5	0.027 s	0.022 s	
onCleanup>onCleanup.delete	257	0.020 s	0.006 s	
qamdemod>validateM	1024	0.018 s	0.018 s	
qamdemod>validateInput	1024	0.017 s	0.014 s	
validatestring>checkString	768	0.016 s	0.016 s	
isfi	7168	0.016 s	0.016 s	
ismember>ismemberBuiltinTypes	3072	0.015 s	0.015 s	
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.014 s	0.014 s	
allchild>getchildren	257	0.012 s	0.012 s	
onCleanup>onCleanup.onCleanup	257	0.012 s	0.012 s	
validatestring>checkInputs	768	0.010 s	0.010 s	
target	1536	0.010 s	0.010 s	
nullcopy	3584	0.008 s	0.008 s	
fliplr	768	0.006 s	0.006 s	
num2str	10	0.005 s	0.003 s	
uitools\private\allchildRootHelper	257	0.005 s	0.005 s	

flipud	384	0.004 s	0.004 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	
gpuDeviceCount	1	0.001 s	0.001 s	
isdatetime	256	0.001 s	0.001 s	
GPUDevice.GPUDevice>GPUDevice.count	1	0.001 s	0.000 s	
pwd	4	0.000 s	0.000 s	
deviceCount	1	0.000 s	0.000 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.