

Profile Summary

Generated 16-Sep-2018 23:19:30 using performance time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing5	1	633.776 s	209.389 s	
FindChanelResponse	1	189.439 s	73.724 s	
DelayInterfG	8890	121.256 s	121.256 s	
OpticalFFTGT	5080	97.652 s	29.511 s	
OpticalIFFTGT	3810	65.841 s	12.725 s	
MZM	128	47.612 s	47.612 s	
ProagationDelayT	1	33.620 s	6.988 s	
SelectEachCarrier	2	31.582 s	25.714 s	
MZMGT	1280	23.936 s	23.936 s	
FiltroGaussiano	1155	23.654 s	23.654 s	
MeasPower	512	22.329 s	22.329 s	
findpeaks	256	21.522 s	0.334 s	
findpeaks>getAllPeaks	256	13.547 s	0.687 s	
findpeaks>findLocalMaxima	256	12.860 s	12.860 s	
Fibra_Monomodo1	132	5.913 s	5.823 s	
findpeaks>orderPeaks	256	2.900 s	2.900 s	
rectpulse	769	2.893 s	2.893 s	
fftshift	1292	2.698 s	2.698 s	
mean	1034	2.189 s	2.189 s	
intdump	768	2.106 s	0.046 s	
findpeaks>removePeaksBelowThreshold	256	2.017 s	2.017 s	

findpeaks>combinePeaks	256	1.104 s	0.043 s	
union	256	1.062 s	0.014 s	
union>unionR2012a	256	1.048 s	0.181 s	
unique	1024	0.944 s	0.066 s	
unique>uniqueR2012a	1024	0.878 s	0.878 s	
findpeaks>removePeaksBelowMinPeakHeight	256	0.831 s	0.831 s	
time2freq	256	0.763 s	0.642 s	
findpeaks>parse_inputs	256	0.611 s	0.553 s	
linspace	256	0.406 s	0.406 s	
close	257	0.226 s	0.018 s	
qammod	512	0.182 s	0.019 s	
close>safegetchildren	257	0.150 s	0.029 s	
...aksSeparatedByMoreThanMinPeakDistance	256	0.147 s	0.147 s	
qamdemod	256	0.129 s	0.012 s	
allchild	257	0.121 s	0.072 s	
qammod>processInput	512	0.107 s	0.010 s	
qamdemod>processInput	256	0.092 s	0.031 s	
qammod>processIntInput	512	0.075 s	0.005 s	
qammod>processInputArgs	512	0.056 s	0.012 s	
close>getEmptyHandleList	257	0.056 s	0.056 s	
qammod>processSymbols	512	0.052 s	0.007 s	
grayMappingQAM	768	0.046 s	0.044 s	
bin2gray	512	0.046 s	0.017 s	
validatestring	768	0.043 s	0.017 s	
qamdemod>computeHardInt	256	0.033 s	0.032 s	
ismember	768	0.033 s	0.007 s	
time2freq_lamb_2	5	0.032 s	0.026 s	

findpeaks>keepAtMostNpPeaks	256	0.029 s	0.029 s	
Set_MZ_Input_Data_Simp	5	0.028 s	0.023 s	
ismember>ismemberR2012a	768	0.027 s	0.020 s	
gray2bin	256	0.027 s	0.009 s	
gamdemod>processInputArgs	256	0.026 s	0.008 s	
gammod>validateInput	512	0.024 s	0.022 s	
squaregamconst	512	0.022 s	0.020 s	
onCleanup>onCleanup.delete	257	0.021 s	0.007 s	
gammod>validateInputArgs	512	0.019 s	0.007 s	
gammod>lookupTable	512	0.017 s	0.017 s	
validatestring>checkString	768	0.016 s	0.016 s	
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.014 s	0.014 s	
allchild>getchildren	257	0.013 s	0.013 s	
gammod>validateM	512	0.013 s	0.013 s	
onCleanup>onCleanup.onCleanup	257	0.012 s	0.012 s	
gamdemod>validateInputArgs	256	0.011 s	0.004 s	
validatestring>checkInputs	768	0.010 s	0.010 s	
target	1536	0.010 s	0.010 s	
ismember>ismemberBuiltinTypes	768	0.007 s	0.007 s	
gamdemod>validateM	256	0.007 s	0.007 s	
gamdemod>validateInput	256	0.006 s	0.005 s	
isfi	1792	0.006 s	0.006 s	
fliplr	768	0.005 s	0.005 s	
num2str	10	0.005 s	0.003 s	
uitools\private\allchildRootHelper	257	0.004 s	0.004 s	
flipud	384	0.004 s	0.004 s	
Fibra_Monomodo_Input_Data	132	0.003 s	0.003 s	

nullcopy	768	0.002 s	0.002 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	0.002 s	0.002 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.