

Profile Summary

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Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing5	1	655.636 s	220.325 s	
FindChanelResponse	1	196.206 s	78.167 s	
DelayInterfG	8890	120.596 s	120.596 s	
OpticalFFTGT	5080	97.058 s	28.850 s	
OpticalIFFTGT	3810	65.463 s	13.076 s	
MZM	128	49.374 s	49.374 s	
ProagationDelayT	1	35.539 s	7.303 s	
SelectEachCarrier	2	33.773 s	27.819 s	
FiltroGaussiano	1155	24.036 s	24.036 s	
MeasPower	512	23.987 s	23.987 s	
MZMGT	1280	23.694 s	23.694 s	
findpeaks	256	23.072 s	0.354 s	
findpeaks>getAllPeaks	256	14.569 s	0.727 s	
findpeaks>findLocalMaxima	256	13.842 s	13.842 s	
Fibra_Monomodo1	132	5.955 s	5.862 s	
findpeaks>orderPeaks	256	3.096 s	3.096 s	
rectpulse	769	2.889 s	2.889 s	
fftshift	1292	2.713 s	2.713 s	
mean	1034	2.191 s	2.191 s	
findpeaks>removePeaksBelowThreshold	256	2.150 s	2.150 s	
intdump	768	2.135 s	0.050 s	

findpeaks>combinePeaks	256	1.175 s	0.046 s	
union	256	1.129 s	0.014 s	
union>unionR2012a	256	1.114 s	0.190 s	
unique	1024	1.009 s	0.070 s	
unique>uniqueR2012a	1024	0.938 s	0.938 s	
findpeaks>removePeaksBelowMinPeakHeight	256	0.878 s	0.878 s	
findpeaks>parse_inputs	256	0.662 s	0.597 s	
time2freq	256	0.627 s	0.528 s	
linspace	256	0.338 s	0.338 s	
close	257	0.241 s	0.019 s	
qammod	512	0.201 s	0.022 s	
close>safegetchildren	257	0.161 s	0.030 s	
...aksSeparatedByMoreThanMinPeakDistance	256	0.156 s	0.156 s	
qamdemod	256	0.133 s	0.012 s	
allchild	257	0.131 s	0.077 s	
qammod>processInput	512	0.117 s	0.011 s	
qamdemod>processInput	256	0.094 s	0.031 s	
qammod>processIntInput	512	0.081 s	0.006 s	
qammod>processInputArgs	512	0.062 s	0.013 s	
close>getEmptyHandleList	257	0.059 s	0.059 s	
qammod>processSymbols	512	0.057 s	0.007 s	
bin2gray	512	0.050 s	0.019 s	
validatestring	768	0.050 s	0.019 s	
grayMappingQAM	768	0.049 s	0.047 s	
ismember	768	0.035 s	0.007 s	
qamdemod>computeHardInt	256	0.034 s	0.033 s	
time2freq_lamb_2	5	0.033 s	0.028 s	

findpeaks>keepAtMostNpPeaks	256	0.030 s	0.030 s	
Set_MZ_Input_Data_Simp	5	0.029 s	0.024 s	
gray2bin	256	0.028 s	0.010 s	
gamdemod>processInputArgs	256	0.027 s	0.008 s	
ismember>ismemberR2012a	768	0.027 s	0.020 s	
gammod>validateInput	512	0.026 s	0.025 s	
squaregamconst	512	0.025 s	0.023 s	
gammod>validateInputArgs	512	0.022 s	0.008 s	
onCleanup>onCleanup.delete	257	0.022 s	0.007 s	
validatestring>checkString	768	0.019 s	0.019 s	
gammod>lookupTable	512	0.019 s	0.019 s	
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.015 s	0.015 s	
allchild>getchildren	257	0.015 s	0.015 s	
gammod>validateM	512	0.014 s	0.014 s	
onCleanup>onCleanup.onCleanup	257	0.013 s	0.013 s	
gamdemod>validateInputArgs	256	0.012 s	0.005 s	
validatestring>checkInputs	768	0.012 s	0.012 s	
target	1536	0.011 s	0.011 s	
gamdemod>validateInput	256	0.008 s	0.006 s	
gamdemod>validateM	256	0.007 s	0.007 s	
ismember>ismemberBuiltinTypes	768	0.007 s	0.007 s	
isfi	1792	0.006 s	0.006 s	
num2str	10	0.005 s	0.004 s	
fliplr	768	0.005 s	0.005 s	
flipud	384	0.005 s	0.005 s	
uitools\private\allchildRootHelper	257	0.004 s	0.004 s	
nullcopy	768	0.003 s	0.003 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	0.002 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	
isdatetime	256	0.001 s	0.001 s	
gpuDeviceCount	1	0.000 s	0.000 s	
pwd	4	0.000 s	0.000 s	
GPUDevice.GPUDevice>GPUDevice.count	1	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.