

Profile Summary

Generated 10-Sep-2018 20:15:42 using performance time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing4	1	691.477 s	186.715 s	
FindChanelResponse	1	191.096 s	73.535 s	
MZM	384	144.344 s	144.344 s	
DelayInterfG	8890	124.858 s	124.858 s	
OpticalFFTGT	5080	101.043 s	31.051 s	
OpticalIFFTGT	3810	68.184 s	13.318 s	
ProagationDelayT	1	33.864 s	7.040 s	
SelectEachCarrier	2	31.788 s	25.885 s	
FiltroGaussiano	1155	23.748 s	23.748 s	
MeasPower	512	22.375 s	22.375 s	
findpeaks	256	21.702 s	0.335 s	
findpeaks>getAllPeaks	256	13.680 s	0.695 s	
findpeaks>findLocalMaxima	256	12.985 s	12.985 s	
Fibra_Monomodo1	132	5.906 s	5.813 s	
findpeaks>orderPeaks	256	2.910 s	2.910 s	
rectpulse	769	2.897 s	2.897 s	
fftshift	1292	2.693 s	2.693 s	
mean	1034	2.174 s	2.174 s	
intdump	768	2.113 s	0.047 s	

findpeaks>removePeaksBelowThreshold	256	2.034 s	2.034 s	
gamdemod	1024	1.486 s	0.029 s	
gamdemod>processInput	1024	1.393 s	0.048 s	
gamdemod>computeHardInt	1024	1.270 s	0.074 s	
genqamdemod	512	1.179 s	1.179 s	
findpeaks>combinePeaks	256	1.121 s	0.042 s	
union	256	1.079 s	0.014 s	
union>unionR2012a	256	1.065 s	0.181 s	
unique	1024	0.968 s	0.070 s	
unique>uniqueR2012a	1024	0.898 s	0.898 s	
findpeaks>removePeaksBelowMinPeakHeight	256	0.831 s	0.831 s	
time2freq	256	0.644 s	0.545 s	
findpeaks>parse_inputs	256	0.614 s	0.555 s	
qammod	2048	0.478 s	0.053 s	
linspace	256	0.326 s	0.326 s	
qammod>processInput	2048	0.293 s	0.028 s	
close	257	0.217 s	0.018 s	
qammod>processIntInput	2048	0.200 s	0.015 s	
qammod>processSymbols	2048	0.151 s	0.019 s	
grayMappingQAM	3072	0.150 s	0.144 s	
...aksSeparatedByMoreThanMinPeakDistance	256	0.148 s	0.148 s	
close>safegetchildren	257	0.144 s	0.027 s	
qammod>processInputArgs	2048	0.132 s	0.030 s	
bin2gray	2048	0.131 s	0.035 s	
allchild	257	0.117 s	0.070 s	
ismember	3072	0.079 s	0.016 s	
squareqamconst	2560	0.079 s	0.074 s	

gray2bin	1024	0.073 s	0.020 s	
gamdemod>processInputArgs	1024	0.064 s	0.018 s	
ismember>ismemberR2012a	3072	0.063 s	0.047 s	
gammod>validateInput	2048	0.053 s	0.048 s	
close>getEmptyHandleList	257	0.052 s	0.052 s	
gammod>validateInputArgs	2048	0.049 s	0.017 s	
validatestring	768	0.045 s	0.017 s	
gammod>lookupTable	2048	0.034 s	0.034 s	
time2freq_lamb_2	5	0.033 s	0.027 s	
gammod>validateM	2048	0.032 s	0.032 s	
gamdemod>validateInputArgs	1024	0.029 s	0.010 s	
findpeaks>keepAtMostNpPeaks	256	0.028 s	0.028 s	
Set_MZ_Input_Data_Simp	5	0.025 s	0.020 s	
onCleanup>onCleanup.delete	257	0.020 s	0.006 s	
gamdemod>validateInput	1024	0.018 s	0.014 s	
gamdemod>validateM	1024	0.018 s	0.018 s	
validatestring>checkString	768	0.017 s	0.017 s	
isfi	7168	0.017 s	0.017 s	
ismember>ismemberBuiltinTypes	3072	0.016 s	0.016 s	
...set(rootobj.'ShowHiddenHandles'.Temp)	257	0.013 s	0.013 s	
allchild>getchildren	257	0.012 s	0.012 s	
onCleanup>onCleanup.onCleanup	257	0.012 s	0.012 s	
validatestring>checkInputs	768	0.011 s	0.011 s	
target	1536	0.010 s	0.010 s	
nullcopy	3584	0.008 s	0.008 s	
fliplr	768	0.007 s	0.007 s	
num2str	10	0.005 s	0.003 s	

flipud	384	0.004 s	0.004 s	
uitools\private\allchildRootHelper	257	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	
int2str	10	0.002 s	0.002 s	
findpeaks>assignOutputs	256	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 functions. Self time also includes overhead resulting from the process of profiling.