






















Profile Summary

Generated 10-Sep-2018 10:00:44 using performance time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing4	1	593.848 s	183.791 s	
MZM	1408	103.957 s	103.957 s	
DelayInterfG	6858	97.118 s	97.118 s	
OpticalFFTGT	4064	81.513 s	25.161 s	
MeasPower	2560	51.544 s	51.544 s	
FindChanelResponse	1	50.937 s	14.443 s	
OpticalIFFTGT	2794	50.807 s	10.042 s	
ProgationDelayT	1	33.822 s	7.011 s	
SelectEachCarrier	2	32.064 s	26.108 s	
FiltroGaussiano	4227	26.924 s	26.924 s	
findpeaks	256	21.614 s	0.324 s	
findpeaks>getAllPeaks	256	13.627 s	0.678 s	
findpeaks>findLocalMaxima	256	12.950 s	12.950 s	
Fibra_Monomodo1	148	5.991 s	5.906 s	
fftshift	4376	5.161 s	5.161 s	
time2freq	1280	3.691 s	3.123 s	
findpeaks>orderPeaks	256	2.912 s	2.912 s	
rectpulse	2817	2.391 s	2.391 s	
qamdemod	5120	2.348 s	0.132 s	
mean	4118	2.132 s	2.132 s	
findpeaks>removePeaksBelowThreshold	256	2.012 s	2.012 s	

gamdemod>processInput	5120	1.944 s	0.137 s	
linspace	1280	1.855 s	1.855 s	
intdump	2816	1.700 s	0.141 s	
gamdemod>computeHardInt	5120	1.493 s	0.147 s	
gammod	6144	1.399 s	0.162 s	
genqamdemod	2560	1.275 s	1.275 s	
unique	3072	1.161 s	0.183 s	
findpeaks>combinePeaks	256	1.103 s	0.040 s	
union	256	1.062 s	0.014 s	
union>unionR2012a	256	1.048 s	0.178 s	
close	1281	1.037 s	0.074 s	
unique>uniqueR2012a	3072	0.978 s	0.978 s	
gammod>processInput	6144	0.850 s	0.082 s	
findpeaks>removePeaksBelowMinPeakHeight	256	0.839 s	0.839 s	
close>safegetchildren	1281	0.702 s	0.126 s	
findpeaks>parse_inputs	256	0.620 s	0.561 s	
allchild	1281	0.575 s	0.343 s	
gammod>processIntInput	6144	0.568 s	0.046 s	
grayMappingQAM	11264	0.520 s	0.497 s	
gammod>processSymbols	6144	0.439 s	0.056 s	
gammod>processInputArgs	6144	0.387 s	0.094 s	
bin2gray	6144	0.383 s	0.093 s	
gray2bin	5120	0.304 s	0.075 s	
ismember	11264	0.276 s	0.056 s	
gamdemod>processInputArgs	5120	0.272 s	0.074 s	
squareqamconst	8704	0.258 s	0.239 s	
close>getEmptyHandleList	1281	0.251 s	0.251 s	

ismember>ismemberR2012a	11264	0.219 s	0.167 s	
gammod>validateInputArgs	6144	0.149 s	0.052 s	
...aksSeparatedByMoreThanMinPeakDistance	256	0.149 s	0.149 s	
gammod>validateInput	6144	0.144 s	0.129 s	
gamdemod>validateInputArgs	5120	0.121 s	0.043 s	
onCleanup>onCleanup_delete	1281	0.099 s	0.031 s	
gammod>validateM	6144	0.097 s	0.097 s	
gammod>lookupTable	6144	0.083 s	0.083 s	
gamdemod>validateM	5120	0.078 s	0.078 s	
gamdemod>validateInput	5120	0.078 s	0.064 s	
...set(rootobj,'ShowHiddenHandles',Temp)	1281	0.068 s	0.068 s	
allchild>getchildren	1281	0.061 s	0.061 s	
isfi	27648	0.061 s	0.061 s	
onCleanup>onCleanup.onCleanup	1281	0.058 s	0.058 s	
ismember>ismemberBuiltinTypes	11264	0.053 s	0.053 s	
validatestring	768	0.044 s	0.017 s	
Set_MZ_Input_Data_Simp	5	0.032 s	0.025 s	
nullcopy	13824	0.031 s	0.031 s	
findpeaks>keepAtMostNpPeaks	256	0.027 s	0.027 s	
fliplr	2816	0.023 s	0.023 s	
validatestring>checkString	768	0.016 s	0.016 s	
uitools\private\allchildRootHelper	1281	0.014 s	0.014 s	
validatestring>checkInputs	768	0.011 s	0.011 s	
flipud	1408	0.010 s	0.010 s	
target	1536	0.010 s	0.010 s	
time2freq_lamb_2	1	0.009 s	0.006 s	
num2str	10	0.006 s	0.004 s	

close>checkfigs	1281	0.006 s	0.006 s	
close>request_close	1281	0.005 s	0.005 s	
Fibra_Monomodo_Input_Data	148	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	0.002 s	0.002 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.