Profile Summary

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Function Name	Calls	**Total Time**	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing5	1	662.139 s	222.867 s	
FindChanelResponse	1	195.046 s	77.093 s	
DelayInterfG	8890	121.504 s	121.504 s	
OpticalFFTGT	5080	98.201 s	29.277 s	
OpticalIFFTGT	3810	65.792 s	13.212 s	
MZM	128	49.036 s	49.036 s	
ProgationDelayT	1	35.589 s	7.266 s	
SelectEachCarrier	2	34.602 s	28.523 s	
MeasPower	512	24.988 s	24.988 s	
FiltroGaussiano	1155	24.477 s	24.477 s	
MZMGT	1280	23.539 s	23.539 s	
findpeaks	256	23.187 s	0.351 s	
findpeaks>getAllPeaks	256	14.720 s	0.730 s	
findpeaks>findLocalMaxima	256	13.990 s	13.990 s	
Fibra_Monomodo1	132	5.958 s	5.861 s	
findpeaks>orderPeaks	256	3.083 s	3.083 s	
rectpulse	769	2.868 s	2.868 s	
fftshift	1292	2.731 s	2.731 s	
mean	1034	2.205 s	2.205 s	
intdump	768	2.145 s	0.052 s	
findpeaks>removePeaksBelowThreshold	256	2.139 s	2.139 s	

qamdemod	1024	1.590 s	0.033 s	
qamdemod>processInput	1024	1.490 s	0.053 s	
qamdemod>computeHardInt	1024	1.354 s	0.054 s	
genqamdemod	512	1.281 s	1.281 s	
findpeaks>combinePeaks	256	1.170 s	0.044 s	
union	256	1.127 s	0.015 s	
union>unionR2012a	256	1.112 s	0.194 s	
unique	1024	1.003 s	0.070 s	
unique>uniqueR2012a	1024	0.933 s	0.933 s	
findpeaks>removePeaksBelowMinPeakHeight	256	0.871 s	0.871 s	
findpeaks>parse_inputs	256	0.665 s	0.602 s	
time2freq	256	0.637 s	0.533 s	
qammod	2048	0.516 s	0.056 s	
linspace	256	0.335 s	0.335 s	
qammod>processInput	2048	0.316 s	0.031 s	
close	257	0.236 s	0.018 s	
qammod>processIntInput	2048	0.217 s	0.017 s	
grayMappingQAM	3072	0.163 s	0.157 s	
qammod>processSymbols	2048	0.162 s	0.020 s	
close>safegetchildren	257	0.161 s	0.030 s	
...aksSeparatedByMoreThanMinPeakDistance	256	0.157 s	0.157 s	
qammod>processInputArgs	2048	0.145 s	0.032 s	
bin2gray	2048	0.142 s	0.037 s	
allchild	257	0.131 s	0.076 s	
ismember	3072	0.087 s	0.018 s	
squareqamconst	2560	0.083 s	0.076 s	
gray2bin	1024	0.080 s	0.022 s	

ismember>ismemberR2012a	3072	0.069 s	0.051 s	
qamdemod>processInputArgs	1024	0.068 s	0.018 s	
qammod>validateInput	2048	0.058 s	0.052 s	
close>getEmptyHandleList	257	0.055 s	0.055 s	
qammod>validateInputArgs	2048	0.054 s	0.018 s	
validatestring	768	0.047 s	0.018 s	
qammod>lookupTable	2048	0.038 s	0.038 s	
qammod>validateM	2048	0.036 s	0.036 s	
time2freq_lamb_2	5	0.034 s	0.028 s	
qamdemod>validateInputArgs	1024	0.030 s	0.011 s	
findpeaks>keepAtMostNpPeaks	256	0.029 s	0.029 s	
Set_MZ_Input_Data_Simp	5	0.027 s	0.022 s	
onCleanup>onCleanup.delete	257	0.024 s	0.008 s	
qamdemod>validateInput	1024	0.020 s	0.017 s	
qamdemod>validateM	1024	0.019 s	0.019 s	
isfi	7168	0.018 s	0.018 s	
validatestring>checkString	768	0.018 s	0.018 s	
ismember>ismemberBuiltinTypes	3072	0.017 s	0.017 s	
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.017 s	0.017 s	
allchild>getchildren	257	0.013 s	0.013 s	
onCleanup>onCleanup.onCleanup	257	0.013 s	0.013 s	
target	1536	0.011 s	0.011 s	
validatestring>checkInputs	768	0.011 s	0.011 s	
nullcopy	3584	0.010 s	0.010 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	
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	
nextpow2	6	0.001 s	0.001 s	
close>request_close	257	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.