

Profile Summary

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Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
MainOptimizing4	1	689.339 s	184.427 s	
FindChanelResponse	1	192.612 s	73.765 s	
MZM	384	145.382 s	145.382 s	
DelayInterfG	8890	125.101 s	125.101 s	
OpticalFFTGT	5080	101.173 s	31.207 s	
OpticalIFFTGT	3810	68.494 s	13.359 s	
ProagationDelayT	1	34.009 s	7.069 s	
SelectEachCarrier	2	31.823 s	25.946 s	
FiltroGaussiano	1155	23.533 s	23.533 s	
MeasPower	512	22.455 s	22.455 s	
findpeaks	256	21.752 s	0.334 s	
findpeaks>getAllPeaks	256	13.678 s	0.700 s	
findpeaks>findLocalMaxima	256	12.978 s	12.978 s	
Fibra_Monomodo1	132	5.961 s	5.866 s	
findpeaks>orderPeaks	256	2.946 s	2.946 s	
rectpulse	769	2.893 s	2.893 s	
fftshift	1292	2.667 s	2.667 s	
mean	1034	2.168 s	2.168 s	
intdump	768	2.108 s	0.048 s	

findpeaks>removePeaksBelowThreshold	256	2.035 s	2.035 s	
findpeaks>combinePeaks	256	1.124 s	0.045 s	
union	256	1.080 s	0.014 s	
union>unionR2012a	256	1.065 s	0.181 s	
unique	1024	0.968 s	0.069 s	
unique>uniqueR2012a	1024	0.899 s	0.899 s	
findpeaks>removePeaksBelowMinPeakHeight	256	0.835 s	0.835 s	
time2freq	256	0.644 s	0.544 s	
findpeaks>parse_inputs	256	0.619 s	0.560 s	
linspace	256	0.326 s	0.326 s	
qammod	512	0.264 s	0.022 s	
close	257	0.227 s	0.018 s	
qammod>processInput	512	0.180 s	0.024 s	
qamdemod	256	0.153 s	0.013 s	
close>safegetchildren	257	0.151 s	0.030 s	
...aksSeparatedByMoreThanMinPeakDistance	256	0.149 s	0.149 s	
allchild	257	0.121 s	0.072 s	
qammod>processIntInput	512	0.120 s	0.005 s	
qamdemod>processInput	256	0.113 s	0.047 s	
qammod>processSymbols	512	0.096 s	0.013 s	
bin2gray	512	0.083 s	0.042 s	
qammod>processInputArgs	512	0.062 s	0.014 s	
grayMappingQAM	768	0.058 s	0.056 s	
close>getEmptyHandleList	257	0.055 s	0.055 s	
validatestring	768	0.044 s	0.017 s	
qamdemod>computeHardInt	256	0.037 s	0.036 s	
squareqamconst	512	0.036 s	0.034 s	

ismember	768	0.035 s	0.008 s	
time2freq_lamb_2	5	0.033 s	0.027 s	
findpeaks>keepAtMostNpPeaks	256	0.030 s	0.030 s	
gray2bin	256	0.029 s	0.011 s	
ismember>ismemberR2012a	768	0.028 s	0.020 s	
qamdemod>processInputArgs	256	0.027 s	0.008 s	
qammod>validateInput	512	0.026 s	0.024 s	
Set_MZ_Input_Data_Simp	5	0.026 s	0.021 s	
qammod>validateInputArgs	512	0.022 s	0.009 s	
onCleanup>onCleanup.delete	257	0.020 s	0.007 s	
qammod>lookupTable	512	0.019 s	0.019 s	
validatestring>checkString	768	0.016 s	0.016 s	
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.014 s	0.014 s	
qammod>validateM	512	0.013 s	0.013 s	
allchild>getchildren	257	0.012 s	0.012 s	
qamdemod>validateInputArgs	256	0.012 s	0.005 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	
qamdemod>validateM	256	0.007 s	0.007 s	
ismember>ismemberBuiltinTypes	768	0.007 s	0.007 s	
qamdemod>validateInput	256	0.007 s	0.006 s	
isfi	1792	0.006 s	0.006 s	
fliplr	768	0.006 s	0.006 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	0.004 s	0.004 s	
nullcopy	768	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	0.001 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.