Profile Summary

Function Name	Calls	Total Time	Self Time*
MainOptimizing4	1	1052.395 s	137.190 s
DelayInterfExp	1778	406.658 s	406.658 s
OpticalFFTNT	1016	398.847 s	166.827 s
FindChanelResponse	1	299.379 s	56.759 s
OpticalIFFTNT	762	195.926 s	21.288 s
MZM	384	146.384 s	146.384 s
ProgationDelayT	1	33.867 s	7.032 s
SelectEachCarrier	2	31.947 s	26.004 s
FiltroGaussiano	1155	23.911 s	23.911 s
MeasPower	512	22.957 s	22.957 s
findpeaks	256	21.759 s	0.333 s
findpeaks>getAllPeaks	256	13.656 s	0.685 s
findpeaks>findLocalMaxima	256	12.971 s	12.971 s
Fibra_Monomodo1	132	5.883 s	5.790 s
rectpulse	769	2.918 s	2.918 s
findpeaks>orderPeaks	256	2.915 s	2.915 s
fftshift	1292	2.733 s	2.733 s
mean	1034	2.230 s	2.230 s
intdump	768	2.153 s	0.053 s
findpeaks>removePeaksBelowThreshold	256	2.079 s	2.079 s
findpeaks>combinePeaks	256	1.126 s	0.043 s

Total Time Plot (dark band = self time)
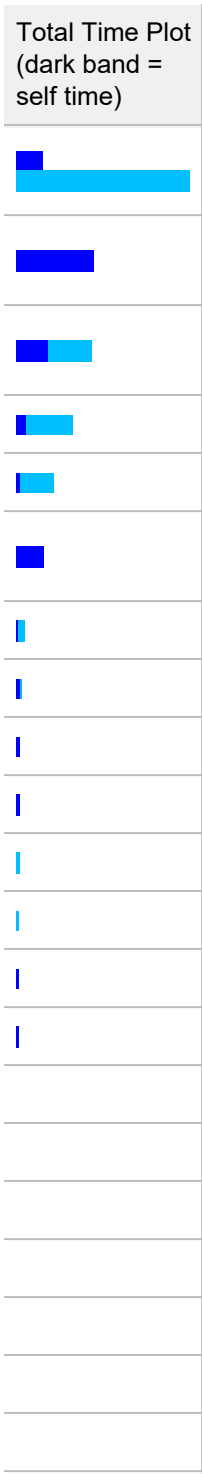
union	256	1.083 s	0.015 s
union>unionR2012a	256	1.068 s	0.191 s
unique	1024	0.967 s	0.073 s
unique>uniqueR2012a	1024	0.895 s	0.895 s
findpeaks>removePeaksBelowMinPeakHeight	256	0.853 s	0.853 s
time2freq	256	0.760 s	0.638 s
findpeaks>parse_inputs	256	0.617 s	0.558 s
linspace	256	0.392 s	0.392 s
close	257	0.293 s	0.021 s
qammod	512	0.211 s	0.021 s
close>safegetchildren	257	0.190 s	0.042 s
qamdemod	256	0.171 s	0.015 s
...aksSeparatedByMoreThanMinPeakDistance	256	0.149 s	0.149 s
allchild	257	0.148 s	0.094 s
qammod>processInput	512	0.127 s	0.012 s
qamdemod>processInput	256	0.125 s	0.050 s
qammod>processIntInput	512	0.089 s	0.006 s
close>getEmptyHandleList	257	0.079 s	0.079 s
qammod>processSymbols	512	0.064 s	0.008 s
qammod>processInputArgs	512	0.063 s	0.014 s
grayMappingQAM	768	0.057 s	0.055 s
bin2gray	512	0.056 s	0.021 s
validatestring	768	0.044 s	0.017 s
qamdemod>computeHardInt	256	0.042 s	0.041 s
ismember	768	0.037 s	0.007 s
time2freq_lamb_2	5	0.033 s	0.027 s
gray2bin	256	0.033 s	0.011 s

qamdemod>processInputArgs	256	0.032 s	0.009 s
ismember>ismemberR2012a	768	0.030 s	0.022 s
findpeaks>keepAtMostNpPeaks	256	0.028 s	0.028 s
squareqamconst	512	0.027 s	0.025 s
qammod>validateInput	512	0.026 s	0.024 s
Set_MZ_Input_Data_Simp	5	0.025 s	0.021 s
qammod>validateInputArgs	512	0.023 s	0.008 s
onCleanup>onCleanup.delete	257	0.023 s	0.008 s
qammod>lookupTable	512	0.019 s	0.019 s
validatestring>checkString	768	0.017 s	0.017 s
qammod>validateM	512	0.015 s	0.015 s
qamdemod>validateInputArgs	256	0.015 s	0.006 s
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.014 s	0.014 s
onCleanup>onCleanup.onCleanup	257	0.014 s	0.014 s
allchild>getchildren	257	0.013 s	0.013 s
validatestring>checkInputs	768	0.010 s	0.010 s
target	1536	0.010 s	0.010 s
qamdemod>validateM	256	0.009 s	0.009 s
qamdemod>validateInput	256	0.008 s	0.007 s
ismember>ismemberBuiltinTypes	768	0.007 s	0.007 s
fliplr	768	0.006 s	0.006 s
isfi	1792	0.006 s	0.006 s
num2str	10	0.005 s	0.003 s
flipud	384	0.005 s	0.005 s
uitools\private\allchildRootHelper	257	0.004 s	0.004 s
Fibra_Monomodo_Input_Data	132	0.003 s	0.003 s
nullcopy	768	0.002 s	0.002 s

signal\private\chkinputdatatype	512	0.002 s	0.002 s
findpeaks>assignOutputs	256	0.002 s	0.002 s
nextpow2	6	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
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 fun
time also includes overhead resulting from the process of profiling.

ctions. Self