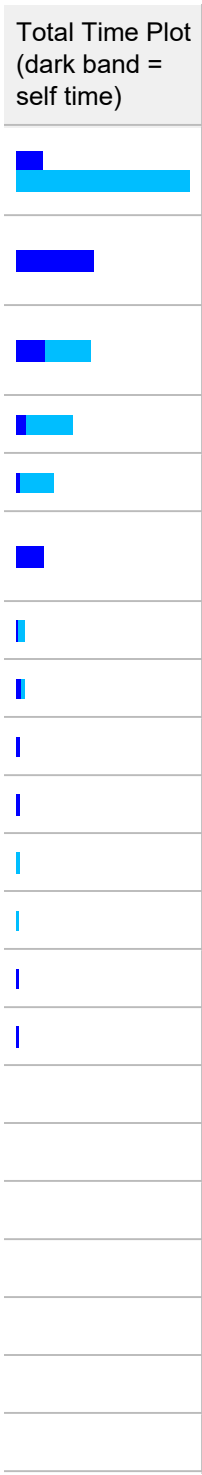


Profile Summary

Generated 16-Sep-2018 21:58:19 using performance time.

Function Name	Calls	Total Time	Self Time*
MainOptimizing5	1	1018.487 s	132.874 s
DelayInterfExp	1778	395.802 s	395.802 s
OpticalFFTNT	1016	380.968 s	154.716 s
FindChanelResponse	1	283.284 s	53.859 s
OpticalIFFTNT	762	190.710 s	21.159 s
MZM	384	143.301 s	143.301 s
ProagationDelayT	1	33.644 s	7.081 s
SelectEachCarrier	2	31.591 s	25.721 s
FiltroGaussiano	1155	23.505 s	23.505 s
MeasPower	512	22.173 s	22.173 s
findpeaks	256	21.414 s	0.340 s
findpeaks>getAllPeaks	256	13.453 s	0.679 s
findpeaks>findLocalMaxima	256	12.775 s	12.775 s
Fibra_Monomodo1	132	5.934 s	5.835 s
findpeaks>orderPeaks	256	2.881 s	2.881 s
rectpulse	769	2.878 s	2.878 s
fftshift	1292	2.673 s	2.673 s
mean	1034	2.170 s	2.170 s
intdump	768	2.112 s	0.053 s
findpeaks>removePeaksBelowThreshold	256	2.012 s	2.012 s
qamdemod	1024	1.438 s	0.031 s



qamdemod>processInput	1024	1.346 s	0.050 s
qamdemod>computeHardInt	1024	1.215 s	0.067 s
genqamdemod	512	1.131 s	1.131 s
findpeaks>combinePeaks	256	1.102 s	0.042 s
union	256	1.059 s	0.014 s
union>unionR2012a	256	1.046 s	0.178 s
unique	1024	0.951 s	0.068 s
unique>uniqueR2012a	1024	0.883 s	0.883 s
findpeaks>removePeaksBelowMinPeakHeight	256	0.834 s	0.834 s
time2freq	256	0.648 s	0.545 s
findpeaks>parse_inputs	256	0.615 s	0.560 s
gammod	2048	0.496 s	0.053 s
linspace	256	0.329 s	0.329 s
gammod>processInput	2048	0.306 s	0.028 s
close	257	0.217 s	0.017 s
gammod>processIntInput	2048	0.206 s	0.016 s
grayMappingQAM	3072	0.151 s	0.145 s
gammod>processSymbols	2048	0.150 s	0.019 s
...aksSeparatedByMoreThanMinPeakDistance	256	0.147 s	0.147 s
close>safegetchildren	257	0.146 s	0.028 s
gammod>processInputArgs	2048	0.137 s	0.031 s
bin2gray	2048	0.132 s	0.034 s
allchild	257	0.118 s	0.069 s
squaregamconst	2560	0.085 s	0.079 s
gray2bin	1024	0.078 s	0.025 s
ismember	3072	0.077 s	0.016 s
ismember>ismemberR2012a	3072	0.062 s	0.046 s

gamdemod>processInputArgs	1024	0.062 s	0.017 s
gammod>validateInput	2048	0.056 s	0.051 s
close>getEmptyHandleList	257	0.052 s	0.052 s
gammod>validateInputArgs	2048	0.051 s	0.018 s
validatestring	768	0.042 s	0.016 s
gammod>lookupTable	2048	0.040 s	0.040 s
Set_MZ_Input_Data_Simp	5	0.034 s	0.029 s
gammod>validateM	2048	0.032 s	0.032 s
time2freq_lamb_2	5	0.032 s	0.027 s
findpeaks>keepAtMostNpPeaks	256	0.028 s	0.028 s
gamdemod>validateInputArgs	1024	0.027 s	0.009 s
onCleanup>onCleanup.delete	257	0.019 s	0.006 s
gamdemod>validateInput	1024	0.018 s	0.014 s
gamdemod>validateM	1024	0.017 s	0.017 s
isfi	7168	0.016 s	0.016 s
validatestring>checkString	768	0.016 s	0.016 s
ismember>ismemberBuiltinTypes	3072	0.015 s	0.015 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	0.010 s	0.010 s
target	1536	0.010 s	0.010 s
gpuDeviceCount	1	0.009 s	0.001 s
nullcopy	3584	0.008 s	0.008 s
GPUDevice.GPUDevice>GPUDevice.count	1	0.008 s	0.000 s
deviceCount	1	0.008 s	0.008 s
fliplr	768	0.007 s	0.007 s

uitools\private\allchildRootHelper	257	0.005 s	0.005 s
num2str	10	0.005 s	0.003 s
flipud	384	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
pwd	4	0.002 s	0.002 s
int2str	10	0.002 s	0.002 s
nextpow2	6	0.001 s	0.001 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
isdatetime	256	0.001 s	0.001 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