Profile Summary

Generated 11-Sep-2018 17:39:19 using performance time.

Function Name	Calls	Total Time	Self Time*
MainOptimizing5	1	1695.312 s	250.026 s
DelayInterfExp	1526	597.876 s	597.876 s
OpticalFFTNT	762	479.626 s	179.360 s
OpticalIFFTNT	508	222.781 s	23.703 s
Olho_mex (MEX-file)	256	189.169 s	189.169 s
MZM	256	183.114 s	183.114 s
RecDowDepsk_mex (MEX-file)	256	66.336 s	66.336 s
ProgationDelayT	1	53.705 s	12.609 s
mean	1019146	53.362 s	53.362 s
MeasPower	512	37.710 s	37.710 s
findpeaks	256	32.230 s	0.520 s
SelectEachCarrier	1	29.792 s	25.328 s
FiltroGaussiano	516	21.828 s	21.828 s
findpeaks>getAllPeaks	256	19.626 s	1.023 s
findpeaks>findLocalMaxima	256	18.603 s	18.603 s
Fibra_Monomodo1	132	10.145 s	10.004 s
DpskEncodEqT	256	5.830 s	5.830 s
findpeaks>orderPeaks	256	4.527 s	4.527 s
fftshift	653	3.595 s	3.595 s
findpeaks>removePeaksBelowThreshold	256	3.180 s	3.180 s
rectpulse	259	2.281 s	2.281 s
findpeaks>combinePeaks	256	1.766 s	0.076 s

Total Time Plot (dark band = self time)
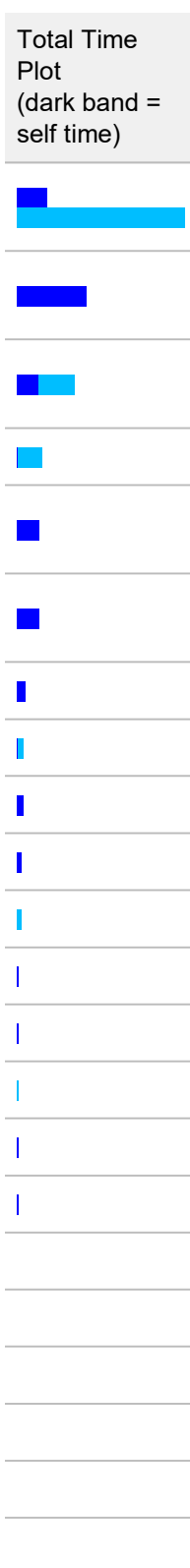
union	256	1.690 s	0.038 s
union>unionR2012a	256	1.652 s	0.260 s
unique	258	1.406 s	0.071 s
unique>uniqueR2012a	258	1.335 s	1.335 s
findpeaks>removePeaksBelowMinPeakHeight	256	1.288 s	1.288 s
findpeaks>parse_inputs	256	1.100 s	0.871 s
close	257	0.762 s	0.046 s
close>safegetchildren	257	0.473 s	0.111 s
allchild	257	0.311 s	0.176 s
validatestring	768	0.167 s	0.068 s
...aksSeparatedByMoreThanMinPeakDistance	256	0.167 s	0.167 s
close>getEmptyHandleList	259	0.121 s	0.121 s
close>request_close	257	0.119 s	0.017 s
flipud	512	0.107 s	0.107 s
closereq	1	0.093 s	0.092 s
validatestring>checkString	768	0.061 s	0.061 s
onCleanup>onCleanup.delete	257	0.054 s	0.017 s
setdiff	2	0.051 s	0.002 s
setdiff>setdiffR2012a	2	0.049 s	0.028 s
findpeaks>keepAtMostNpPeaks	256	0.049 s	0.049 s
target	1536	0.044 s	0.044 s
Set_MZ_Input_Data_Simp	5	0.039 s	0.030 s
validatestring>checkInputs	768	0.038 s	0.038 s
time2freq_lamb_2	5	0.038 s	0.030 s
...set(rootobj,'ShowHiddenHandles',Temp)	257	0.037 s	0.037 s
allchild>getchildren	257	0.034 s	0.034 s
onCleanup>onCleanup.onCleanup	257	0.030 s	0.030 s
uitools\private\allchildRootHelper	257	0.017 s	0.017 s
ismember	3	0.009 s	0.001 s

[num2str](#)	10	0.009 s	0.006 s
[close>request_close_helper](#)	2	0.009 s	0.006 s
[signal\private\chkinputdatatype](#)	512	0.009 s	0.009 s
[ismember>ismemberR2012a](#)	3	0.008 s	0.003 s
[findpeaks>assignOutputs](#)	256	0.008 s	0.008 s
[Fibra_Monomodo_Input_Data](#)	132	0.007 s	0.007 s
[isduration](#)	768	0.006 s	0.006 s
[ismember>ismemberClassTypes](#)	3	0.005 s	0.005 s
[close>checkfigs](#)	258	0.005 s	0.005 s
[time2freq](#)	1	0.003 s	0.001 s
[int2str](#)	10	0.003 s	0.003 s
[isdatetime](#)	256	0.003 s	0.003 s
[nextpow2](#)	3	0.003 s	0.003 s
[linspace](#)	1	0.001 s	0.001 s
[gcbf](#)	2	0.001 s	0.001 s
[gpuDeviceCount](#)	1	0.001 s	0.000 s
[pwd](#)	4	0.001 s	0.001 s
[GPUDevice.GPUDevice>GPUDevice.count](#)	1	0.000 s	0.000 s
[deviceCount](#)	1	0.000 s	0.000 s
[...ddenHandles',oldUDDShowHiddenHandles)](#)	1	0.000 s	0.000 s

Self time is the time spent in a function excluding the time spent in its child functio
Self time also includes overhead resulting from the process of profiling.

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