

















Profile Summary

Generated 16-Sep-2018 23:06:33 using performance time.

| Function Name | Calls | Total Time | Self Time* | Total Time Plot (dark band = self time) |
|--|-----------------------|----------------------------|----------------------------|---|
| MainOptimizing5 | 1 | 629.286 s | 233.444 s |  |
| DelayInterfG | 7630 | 104.972 s | 104.972 s |  |
| Olho_mex (MEX-file) | 256 | 100.247 s | 100.247 s |  |
| OpticalFFTGT | 3810 | 73.482 s | 22.243 s |  |
| OpticalIFFTGT | 2540 | 44.194 s | 8.512 s |  |
| RecDowDepsk_mex (MEX-file) | 256 | 40.903 s | 40.903 s |  |
| ProagationDelayT | 1 | 33.785 s | 7.035 s |  |
| MZMGT | 1280 | 24.699 s | 24.699 s |  |
| MeasPower | 512 | 22.306 s | 22.306 s |  |
| findpeaks | 256 | 21.618 s | 0.336 s |  |
| SelectEachCarrier | 1 | 16.108 s | 13.155 s |  |
| findpeaks>getAllPeaks | 256 | 13.564 s | 0.684 s |  |
| FiltroGaussiano | 516 | 13.329 s | 13.329 s |  |
| findpeaks>findLocalMaxima | 256 | 12.880 s | 12.880 s |  |
| mean | 1019146 | 6.868 s | 6.868 s |  |
| Fibra_Monomodo1 | 132 | 5.929 s | 5.838 s |  |
| findpeaks>orderPeaks | 256 | 2.900 s | 2.900 s | |
| fftshift | 653 | 2.056 s | 2.056 s | |
| findpeaks>removePeaksBelowThreshold | 256 | 2.025 s | 2.025 s | |
| findpeaks>combinePeaks | 256 | 1.163 s | 0.044 s | |

| | | | | |
|--|------|---------|---------|--|
| union | 256 | 1.119 s | 0.015 s | |
| union>unionR2012a | 256 | 1.104 s | 0.181 s | |
| DpskEncodEqT | 256 | 0.948 s | 0.948 s | |
| unique | 256 | 0.923 s | 0.025 s | |
| unique>uniqueR2012a | 256 | 0.898 s | 0.898 s | |
| findpeaks>removePeaksBelowMinPeakHeight | 256 | 0.837 s | 0.837 s | |
| rectpulse | 259 | 0.760 s | 0.760 s | |
| findpeaks>parse_inputs | 256 | 0.613 s | 0.556 s | |
| close | 257 | 0.212 s | 0.018 s | |
| ...aksSeparatedByMoreThanMinPeakDistance | 256 | 0.149 s | 0.149 s | |
| close>safegetchildren | 257 | 0.140 s | 0.027 s | |
| allchild | 257 | 0.113 s | 0.066 s | |
| flipud | 512 | 0.082 s | 0.082 s | |
| close>getEmptyHandleList | 257 | 0.051 s | 0.051 s | |
| validatestring | 768 | 0.043 s | 0.017 s | |
| time2freq_lamb_2 | 5 | 0.031 s | 0.026 s | |
| findpeaks>keepAtMostNpPeaks | 256 | 0.029 s | 0.029 s | |
| Set_MZ_Input_Data_Simp | 5 | 0.027 s | 0.021 s | |
| onCleanup>onCleanup.delete | 257 | 0.020 s | 0.007 s | |
| validatestring>checkString | 768 | 0.016 s | 0.016 s | |
| ...set(rootobj,'ShowHiddenHandles'.Temp) | 257 | 0.014 s | 0.014 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 | |
| num2str | 10 | 0.006 s | 0.004 s | |
| uitools\private\allchildRootHelper | 257 | 0.003 s | 0.003 s | |

| | | | | |
|--|-----|---------|---------|--|
| Fibra_Monomodo_Input_Data | 132 | 0.003 s | 0.003 s | |
| time2freq | 1 | 0.002 s | 0.001 s | |
| signal\private\chkinputdatatype | 512 | 0.002 s | 0.002 s | |
| int2str | 10 | 0.002 s | 0.002 s | |
| findpeaks>assignOutputs | 256 | 0.002 s | 0.002 s | |
| gpuDeviceCount | 1 | 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 | |
| linspace | 1 | 0.001 s | 0.001 s | |
| nextpow2 | 3 | 0.001 s | 0.001 s | |
| isdatetime | 256 | 0.001 s | 0.001 s | |
| GPUDevice.GPUDevice>GPUDevice.count | 1 | 0.001 s | 0.000 s | |
| pwd | 4 | 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.