

## Profile Summary

Generated 08-Sep-2018 00:11:10 using performance time.

<a href="#">Function Name</a>	<a href="#">Calls</a>	<a href="#">Total Time</a>	<a href="#">Self Time*</a>
<a href="#">SCOPE</a>	1	30.908 s	0.122 s
<a href="#">ebal</a>	49	8.710 s	1.009 s
<a href="#">output_data</a>	49	8.173 s	8.173 s
<a href="#">biochemical</a>	1004	5.623 s	1.584 s
<a href="#">RTMf</a>	49	5.609 s	4.432 s
<a href="#">fixedp_brent_ari</a>	1004	3.141 s	1.367 s
<a href="#">RTMz</a>	49	2.552 s	2.008 s
<a href="#">RTMo</a>	49	2.126 s	0.842 s
<a href="#">fluspect_B_CX_PSI_PSII_combined</a>	98	1.803 s	1.557 s
<a href="#">biochemical&gt;@(x)Ci_next(x,Cs,RH,minCi)</a>	3319	1.754 s	0.091 s
<a href="#">biochemical&gt;Ci_next</a>	3319	1.664 s	0.180 s
<a href="#">mean</a>	61348	1.646 s	1.646 s
<a href="#">biochemical&gt;computeA</a>	3319	1.222 s	0.567 s
<a href="#">satvap</a>	2510	1.135 s	1.135 s
<a href="#">RTMt_sb</a>	502	0.851 s	0.278 s
<a href="#">heatfluxes</a>	1506	0.751 s	0.188 s

Total Time Plot  
(dark band =  
self time)



<a href="#">output_verification</a>	1	0.708 s	0.015 s
<a href="#">dlmread</a>	38	0.690 s	0.624 s
<a href="#">biochemical&gt;sel_root</a>	6638	0.655 s	0.655 s
<a href="#">RTMt_sb&gt;Stefan_Boltzmann</a>	2008	0.572 s	0.572 s
<a href="#">strtok</a>	108	0.434 s	0.124 s
<a href="#">agggreg</a>	1	0.394 s	0.048 s
<a href="#">meanleaf</a>	943	0.355 s	0.355 s
<a href="#">importdata</a>	1	0.346 s	0.004 s
<a href="#">quad</a>	2989	0.333 s	0.189 s
<a href="#">RTMo&gt;calcJ1</a>	106036	0.328 s	0.328 s
<a href="#">biochemical&gt;Fluorescencemodel</a>	1004	0.327 s	0.327 s
<a href="#">RTMo&gt;calcJ2</a>	106036	0.317 s	0.317 s
<a href="#">strtok&gt;doStrtok</a>	36669	0.311 s	0.311 s
<a href="#">biochemical&gt;BallBerry</a>	3319	0.262 s	0.093 s
<a href="#">importdata&gt;LocalTextRead</a>	1	0.180 s	0.002 s
<a href="#">biochemical&gt;gsFun</a>	3319	0.169 s	0.169 s
<a href="#">finfo</a>	1	0.161 s	0.009 s
<a href="#">RTMo&gt;e2phot</a>	9016	0.159 s	0.097 s
<a href="#">Sint</a>	18424	0.150 s	0.150 s

[illegible]

<a href="#">finfo&gt;openAsMultimediaFile</a>	1	0.149 s	0.000 s
<a href="#">fluspect_B_CX_PSI_PSII_combined&gt;calctav</a>	196	0.126 s	0.126 s
<a href="#">resistances</a>	502	0.114 s	0.068 s
<a href="#">expint</a>	98	0.114 s	0.109 s
<a href="#">str2double</a>	575	0.114 s	0.114 s
<a href="#">quad&gt;quadstep</a>	8967	0.113 s	0.065 s
<a href="#">importdata&gt;parse</a>	1	0.094 s	0.002 s
<a href="#">finfo&gt;getVideoInfo</a>	1	0.091 s	0.000 s
<a href="#">...ideoReader&gt;VideoReader.VideoReader</a>	1	0.091 s	0.000 s
<a href="#">VideoReader.VideoReader&gt;VideoReader.init</a>	1	0.090 s	0.074 s
<a href="#">importdata&gt;readData</a>	1	0.077 s	0.070 s
<a href="#">collectOutput</a>	39	0.073 s	0.006 s
<a href="#">RTMo&gt;@(y)Psofunction(K,k,LAI,q,dso,y)</a>	11956	0.069 s	0.040 s
<a href="#">importdata&gt;fixLineEndings</a>	2	0.064 s	0.064 s
<a href="#">RTMo&gt;ephoton</a>	9016	0.062 s	0.062 s
<a href="#">select_input</a>	215	0.052 s	0.051 s
<a href="#">create_output_files</a>	1	0.048 s	0.048 s
<a href="#">intersect</a>	147	0.047 s	0.005 s
<a href="#">imfinfo</a>	2	0.043 s	0.003 s



<a href="#">intersect&gt;intersectR2012a</a>	147	0.042 s	0.009 s
<a href="#">collectOutput&gt;getTypesLengths</a>	39	0.040 s	0.040 s
<a href="#">imagesci\private\imftype</a>	2	0.038 s	0.008 s
<a href="#">finfo&gt;getImageInfo</a>	1	0.036 s	0.000 s
<a href="#">deal</a>	2525	0.033 s	0.033 s
<a href="#">run</a>	3	0.031 s	0.014 s
<a href="#">RTMo&gt;Psofunction</a>	11956	0.029 s	0.029 s
<a href="#">collectOutput&gt;mergeColumns</a>	39	0.026 s	0.026 s
<a href="#">resistances&gt;psim</a>	1004	0.021 s	0.021 s
<a href="#">unique</a>	147	0.018 s	0.011 s
<a href="#">fileread</a>	1	0.017 s	0.017 s
<a href="#">ismember</a>	147	0.015 s	0.002 s
<a href="#">ismember&gt;ismemberR2012a</a>	147	0.013 s	0.003 s
<a href="#">resistances&gt;phstar</a>	1004	0.013 s	0.013 s
<a href="#">Planck</a>	98	0.013 s	0.013 s
<a href="#">resistances&gt;psih</a>	1004	0.013 s	0.013 s
<a href="#">textread</a>	1	0.012 s	0.003 s
<a href="#">finfo&gt;getAudioInfo</a>	1	0.012 s	0.000 s
<a href="#">audioinfo</a>	1	0.011 s	0.001 s





<a href="#">load_timeseries</a>	1	0.011 s	0.009 s
<a href="#">ismember&gt;ismemberBuiltinTypes</a>	147	0.010 s	0.010 s
<a href="#">absolutePathForReading</a>	2	0.010 s	0.002 s
<a href="#">fcnchk</a>	2989	0.009 s	0.009 s
<a href="#">strcat</a>	6	0.009 s	0.008 s
<a href="#">leafangles</a>	49	0.008 s	0.004 s
<a href="#">...ger&gt;PluginManager.getPluginForRead</a>	1	0.008 s	0.000 s
<a href="#">RTMo&gt;volscat</a>	49	0.008 s	0.008 s
<a href="#">importdata&gt;analyze</a>	1	0.008 s	0.001 s
<a href="#">fullfile</a>	1	0.008 s	0.003 s
<a href="#">...der&gt;VideoReader.errorIfImageFormat</a>	1	0.007 s	0.000 s
<a href="#">unique&gt;uniqueR2012a</a>	147	0.007 s	0.007 s
<a href="#">finfo&gt;isVideoFile</a>	1	0.006 s	0.000 s
<a href="#">...oReader&gt;VideoReader.getFileFormats</a>	1	0.006 s	0.003 s
<a href="#">importdata&gt;isvaliddata</a>	3	0.006 s	0.002 s
<a href="#">+file\private\mexPluginManager(MEX-file)</a>	2	0.006 s	0.006 s
<a href="#">importdata&gt;TrimTrailing</a>	2	0.005 s	0.004 s
<a href="#">onCleanup&gt;onCleanup.delete</a>	7	0.005 s	0.001 s
<a href="#">polyval</a>	98	0.005 s	0.005 s



<a href="#">leafangles&gt;dcum</a>	588	0.005 s	0.005 s
<a href="#">imformats</a>	4	0.004 s	0.002 s
<a href="#">run&gt;@().resetCD(startDir,fileDir)</a>	3	0.003 s	0.000 s
<a href="#">fullfile&gt;refinePath</a>	1	0.003 s	0.001 s
<a href="#">fileparts</a>	12	0.003 s	0.003 s
<a href="#">FilePath&gt;FilePath.FilePath</a>	2	0.003 s	0.002 s
<a href="#">run&gt;resetCD</a>	3	0.003 s	0.003 s
<a href="#">RTMz&gt;Kn2Cx</a>	98	0.003 s	0.003 s
<a href="#">iofun\private\guessdelim</a>	1	0.003 s	0.003 s
<a href="#">...&gt;VideoReader.translateDescToLocale</a>	9	0.003 s	0.003 s
<a href="#">imagesci\private\isxwd</a>	2	0.002 s	0.002 s
<a href="#">imagesci\private\isjp2</a>	6	0.002 s	0.002 s
<a href="#">imagesci\private\ispm</a>	2	0.002 s	0.002 s
<a href="#">...er&gt;PluginManager.handlePluginError</a>	2	0.002 s	0.002 s
<a href="#">fullfile&gt;fixIRI</a>	1	0.002 s	0.001 s
<a href="#">imformats&gt;find_in_registry</a>	2	0.002 s	0.002 s
<a href="#">importdata&gt;emptyCharCell</a>	1	0.002 s	0.000 s
<a href="#">imagesci\private\isppm</a>	2	0.002 s	0.002 s
<a href="#">imagesci\private\getFileFromURL</a>	2	0.002 s	0.001 s



<a href="#">imagesci\private\ispbm</a>	2	0.002 s	0.002 s
<a href="#">FilePath&gt;FilePath.get.Readable</a>	2	0.002 s	0.002 s
<a href="#">calczenithangle</a>	1	0.002 s	0.002 s
<a href="#">imagesci\private\isbmp</a>	2	0.002 s	0.002 s
<a href="#">num2str</a>	2	0.002 s	0.001 s
<a href="#">importdata&gt;isdata</a>	23	0.002 s	0.002 s
<a href="#">textread&gt;noargname</a>	3	0.002 s	0.002 s
<a href="#">finfo&gt;isCOrCppFile</a>	1	0.002 s	0.000 s
<a href="#">nansum</a>	38	0.002 s	0.002 s
<a href="#">FilePath&gt;FilePath.get.Exists</a>	6	0.002 s	0.002 s
<a href="#">repmat</a>	1	0.002 s	0.001 s
<a href="#">importdata&gt;maxNotData</a>	1	0.002 s	0.001 s
<a href="#">imagesci\private\ispng</a>	2	0.001 s	0.001 s
<a href="#">imagesci\private\isfits</a>	2	0.001 s	0.001 s
<a href="#">cell.ismember</a>	2	0.001 s	0.001 s
<a href="#">finfo&gt;isAudioFile</a>	1	0.001 s	0.000 s
<a href="#">initialize_output_structures</a>	1	0.001 s	0.001 s
<a href="#">FilePath&gt;FilePath.get.Absolute</a>	2	0.001 s	0.001 s
<a href="#">imagesci\private\ispgm</a>	2	0.001 s	0.001 s



<a href="#">startsWith</a>	1	0.001 s	0.001 s
<a href="#">importdata&gt;split</a>	2	0.001 s	0.001 s
<a href="#">imagesci\private\iscur</a>	2	0.001 s	0.001 s
<a href="#">imagesci\private\istif</a>	2	0.001 s	0.001 s
<a href="#">contains</a>	2	0.001 s	0.001 s
<a href="#">imagesci\private\ispcx</a>	2	0.001 s	0.001 s
<a href="#">fullfile&gt;ensureTrailingFilesep</a>	1	0.001 s	0.000 s
<a href="#">imagesci\private\isjpg</a>	2	0.001 s	0.001 s
<a href="#">imagesci\private\isras</a>	2	0.001 s	0.001 s
<a href="#">imagesci\private\isgif</a>	2	0.001 s	0.001 s
<a href="#">imagesci\private\isico</a>	2	0.001 s	0.001 s
<a href="#">imagesci\private\ishdf</a>	2	0.001 s	0.001 s
<a href="#">FilePath&gt;FilePath.set.Extension</a>	2	0.001 s	0.001 s
<a href="#">define_bands</a>	1	0.001 s	0.001 s
<a href="#">Soil_Inertia0</a>	215	0.001 s	0.001 s
<a href="#">...er&gt;VideoReader.handleImplException</a>	1	0.001 s	0.001 s
<a href="#">fullfile&gt;addTrailingFileSep</a>	1	0.001 s	0.001 s
<a href="#">convertStringsToChars</a>	1	0.001 s	0.001 s
<a href="#">importdata&gt;getLines</a>	6	0.001 s	0.001 s





<a href="#">...Info&gt;FileFormatInfo.FileFormatInfo</a>	9	0.001 s	0.001 s
<a href="#">imagesci\private\isxwd&gt;byteswap</a>	2	0.001 s	0.001 s
<a href="#">xlsreadSupportedExtensions</a>	3	0.001 s	0.001 s
<a href="#">importdata&gt;@(x)(isnan(x))</a>	2	0.001 s	0.001 s
<a href="#">...t;PluginManager.get.ReadableFileTypes</a>	1	0.001 s	0.000 s
<a href="#">assignvarnames</a>	1	0.001 s	0.001 s
<a href="#">importdata&gt;@(x)cellfun('isempty',x)</a>	21	0.001 s	0.001 s
<a href="#">soil_respiration</a>	49	0.001 s	0.001 s
<a href="#">finfo&gt;getExtension</a>	1	0.001 s	0.000 s
<a href="#">...nManager.replacePluginExceptionPrefix</a>	1	0.000 s	0.000 s
<a href="#">PluginManager&gt;PluginManager.getInstance</a>	2	0.000 s	0.000 s
<a href="#">ispc</a>	15	0.000 s	0.000 s
<a href="#">blanks</a>	6	0.000 s	0.000 s
<a href="#">int2str</a>	2	0.000 s	0.000 s
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	7	0.000 s	0.000 s
<a href="#">filesep</a>	8	0.000 s	0.000 s
<a href="#">strfun\private\isTextStrict</a>	3	0.000 s	0.000 s
<a href="#">finfo&gt;@().warning(avWarnState)</a>	1	0.000 s	0.000 s
<a href="#">pwd</a>	12	0.000 s	0.000 s



<a href="#">...ader&gt;VideoReader.errorIfTextFormat</a>	1	0.000 s	0.000 s
<a href="#">importdata&gt;LocalRowColShuffle</a>	1	0.000 s	0.000 s
<a href="#">audioinfo&gt;errorIfTextFormat</a>	1	0.000 s	0.000 s
<a href="#">...der.VideoReader&gt;VideoReader.delete</a>	1	0.000 s	0.000 s
<a href="#">finfo&gt;isKnownNonMultimediaFile</a>	1	0.000 s	0.000 s
<a href="#">repmat&gt;checkSizesType</a>	1	0.000 s	0.000 s
<a href="#">convertStringsToChars&gt;convert</a>	1	0.000 s	0.000 s
<a href="#">...nager&gt;PluginManager.errorIfMexFile</a>	1	0.000 s	0.000 s
<a href="#">run&gt;@()()</a>	3	0.000 s	0.000 s
<a href="#">define_constants</a>	1	0.000 s	0.000 s
<a href="#">filenames</a>	1	0.000 s	0.000 s
<a href="#">...er.VideoReader&gt;VideoReader.getImpl</a>	1	0.000 s	0.000 s
<a href="#">set_parameter_filenames</a>	1	0.000 s	0.000 s
<a href="#">setoptions</a>	1	0.000 s	0.000 s

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

