












Profile Summary

Generated 26-Nov-2016 23:38:47 using performance time.

| Function Name | Calls | Total Time | Self Time* | Total Time Plot (dark band = self time) |
|--|-----------------------|----------------------------|----------------------------|---|
| mfcc | 1 | 1139.573 s | 3.435 s |  |
| writetable | 1 | 647.755 s | 0.006 s |  |
| table.write | 1 | 647.749 s | 0.032 s |  |
| table.writeXLSFile | 1 | 647.714 s | 627.703 s |  |
| ma_mfcc | 1458 | 362.563 s | 361.978 s |  |
| loadwav | 1458 | 125.034 s | 5.150 s |  |
| audioread | 2916 | 119.884 s | 2.357 s |  |
| InputStream>InputStream.read | 2916 | 93.138 s | 43.385 s |  |
| InputStream>InputStream.readPackets | 89058 | 49.631 s | 49.631 s |  |
| num2cell | 27707 | 19.664 s | 19.664 s |  |
| Channel>Channel.Channel | 2916 | 10.705 s | 7.274 s |  |
| absolutePathForReading | 2916 | 4.131 s | 1.084 s | |
| Stream>Stream.addFilter | 2916 | 2.430 s | 2.430 s | |
| +file/private/mexPluginManager (MEX-file) | 2917 | 1.958 s | 1.958 s | |
| Channel>Channel.delete | 2916 | 1.441 s | 0.631 s | |
| Stream>Stream.Stream | 5832 | 1.441 s | 1.172 s | |
| FilePath>FilePath.get.Exists | 8748 | 1.427 s | 1.427 s | |
| onCleanup>onCleanup.delete | 2918 | 1.352 s | 0.136 s | |
| ...ger>PluginManager.getPluginForRead | 2916 | 1.326 s | 0.075 s | |
| audioread>@()channel.close() | 2916 | 1.210 s | 0.047 s | |
| InputStream>InputStream.InputStream | 2916 | 1.202 s | 0.302 s | |
| Channel>Channel.close | 2916 | 1.163 s | 0.526 s | |
| Channel>Channel.open | 2916 | 1.113 s | 0.404 s | |
| PluginManager>PluginManager.getInstance | 8748 | 1.110 s | 0.178 s | |
| ...anager>PluginManager.PluginManager | 1 | 0.932 s | 0.187 s | |

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|---|------|---------|---------|--|
| FilePath>FilePath.FilePath | 2916 | 0.868 s | 0.519 s | |
| Channel>Channel.postInit | 2916 | 0.818 s | 0.818 s | |
| OutputStream>OutputStream.OutputStream | 2916 | 0.811 s | 0.222 s | |
| FilePath>FilePath.get.Absolute | 2916 | 0.772 s | 0.386 s | |
| FilePath>FilePath.get.Readable | 2916 | 0.767 s | 0.365 s | |
| Channel>Channel.isOpen | 8748 | 0.666 s | 0.666 s | |
| Channel>Channel.preInit | 2916 | 0.601 s | 0.601 s | |
| hann | 1458 | 0.538 s | 0.108 s | |
| Channel>Channel.preOpen | 2916 | 0.526 s | 0.526 s | |
| audioread>validateDataType | 2916 | 0.482 s | 0.072 s | |
| Channel>Channel.preTerm | 2916 | 0.477 s | 0.477 s | |
| signal/private/gencoswin | 1458 | 0.430 s | 0.085 s | |
| validatestring | 2916 | 0.410 s | 0.146 s | |
| Channel>Channel.postClose | 2916 | 0.367 s | 0.367 s | |
| num2str | 2188 | 0.319 s | 0.146 s | |
| xlsread | 1 | 0.304 s | 0.029 s | |
| iofun/private/xlsreadXLSX | 1 | 0.271 s | 0.051 s | |
| Stream>Stream.isSupported | 5832 | 0.269 s | 0.269 s | |
| fileparts | 2921 | 0.245 s | 0.187 s | |
| iofun/private/xlsreadXLSX>getXLSXData | 1 | 0.188 s | 0.011 s | |
| onCleanup>onCleanup.onCleanup | 2919 | 0.178 s | 0.178 s | |
| int2str | 2188 | 0.172 s | 0.172 s | |
| validatestring>checkString | 2916 | 0.161 s | 0.161 s | |
| table.writeXLSFile>extractVarChunk | 4 | 0.150 s | 0.150 s | |
| cell.strmatch | 1458 | 0.144 s | 0.073 s | |
| unzip | 1 | 0.128 s | 0.016 s | |
| audioread>validateRange | 2916 | 0.127 s | 0.127 s | |
| Stream>Stream.delete | 5832 | 0.122 s | 0.122 s | |
| table.table>table.table | 1 | 0.106 s | 0.036 s | |
| FilePath>FilePath.set.Extension | 2916 | 0.106 s | 0.106 s | |
| validatestring>checkInputs | 2916 | 0.103 s | 0.103 s | |

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|---|-------|---------|---------|--|
| sigcasttfloat | 1458 | 0.095 s | 0.044 s | |
| signal/private/gencoswin>sym_window | 1458 | 0.094 s | 0.057 s | |
| table.writeXLSFile>ncolsCell | 29160 | 0.093 s | 0.093 s | |
| ...ream>InputStream.readPartialPacket | 4118 | 0.088 s | 0.051 s | |
| iofun/private/extractArchive | 1 | 0.085 s | 0.009 s | |
| addpath | 1 | 0.082 s | 0.010 s | |
| path | 1 | 0.071 s | 0.059 s | |
| strmatch | 1458 | 0.071 s | 0.071 s | |
| ...extractArchive>extractArchiveEntry | 11 | 0.063 s | 0.022 s | |
| ispc | 2951 | 0.058 s | 0.058 s | |
| sigcheckfloattype | 1458 | 0.051 s | 0.051 s | |
| linspace | 2916 | 0.048 s | 0.048 s | |
| ...eam>InputStream.clearPartialPacket | 2916 | 0.047 s | 0.047 s | |
| table.writeXLSFile>char2cell | 1458 | 0.045 s | 0.026 s | |
| @table/private/setVarNames | 1 | 0.042 s | 0.012 s | |
| Stream>Stream.extractFromPacket | 1202 | 0.037 s | 0.037 s | |
| signal/private/gencoswin>calc_window | 1458 | 0.036 s | 0.036 s | |
| InputStream>InputStream.setPartialPacket | 1202 | 0.034 s | 0.034 s | |
| makeValidName | 1 | 0.029 s | 0.010 s | |
| ...er>PluginManager.handlePluginError | 2916 | 0.028 s | 0.028 s | |
| makeUniqueStrings | 1 | 0.027 s | 0.001 s | |
| cellstr | 1460 | 0.023 s | 0.023 s | |
| iofun/private/parseUnArchiveInputs | 1 | 0.021 s | 0.014 s | |
| cell.strcat | 1 | 0.018 s | 0.014 s | |
| makeUniqueStrings>makeUnique | 1 | 0.018 s | 0.003 s | |
| makeValidName | 1 | 0.018 s | 0.001 s | |
| iofun/private/extractArchive>setFileMode | 11 | 0.018 s | 0.001 s | |
| makeValidName>parseInputs | 1 | 0.017 s | 0.004 s | |
| fullfile | 25 | 0.017 s | 0.009 s | |
| ...ate/extractArchive>setUnixFileMode | 11 | 0.017 s | 0.004 s | |
| cell.ismember | 1 | 0.016 s | 0.009 s | |

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|--|------|---------|---------|--|
| tempname | 1 | 0.014 s | 0.007 s | |
| table.writeXLSFile>createWorkbook | 1 | 0.013 s | 0.009 s | |
| signal/private/check_order | 1458 | 0.013 s | 0.013 s | |
| general/private/parsedirs | 2 | 0.012 s | 0.011 s | |
| .../extractArchive>convertModeToOctal | 11 | 0.012 s | 0.005 s | |
| addTextTypeParameter | 1 | 0.012 s | 0.002 s | |
| ...e/xlsreadXLSX>extractSharedStrings | 1 | 0.011 s | 0.011 s | |
| iofun/private/extractArchive>copyStreams | 11 | 0.011 s | 0.004 s | |
| ...te/xlsreadXLSX>extractDataAndRange | 1 | 0.010 s | 0.010 s | |
| ...xlsreadXLSX>unEscapeEscapedXMLTags | 1 | 0.010 s | 0.010 s | |
| getDefaultTextType | 1 | 0.010 s | 0.009 s | |
| opaque.char | 24 | 0.008 s | 0.007 s | |
| ...ivate/xlsreadXLSX>sheetNameToIndex | 1 | 0.008 s | 0.005 s | |
| unzip>getEntryName | 11 | 0.007 s | 0.005 s | |
| dec2base | 11 | 0.006 s | 0.006 s | |
| iofun/private/xlsreadSplitNumericAndText | 1 | 0.006 s | 0.005 s | |
| sub2ind | 5 | 0.006 s | 0.006 s | |
| makeUniqueStrings>parseInputs | 1 | 0.006 s | 0.001 s | |
| ...lwidgets.io.InterruptibleStreamCopier (Java method) | 11 | 0.006 s | 0.006 s | |
| ...vate/xlsreadXLSX>rangeToSubscripts | 3 | 0.005 s | 0.005 s | |
| cell.unique | 2 | 0.005 s | 0.003 s | |
| iofun/private/checkfilename | 1 | 0.005 s | 0.001 s | |
| fullfile>refinePath | 25 | 0.005 s | 0.004 s | |
| iofun/private/validpath | 1 | 0.004 s | 0.000 s | |
| iofun/.../xlsreadXLSX>getRangeCorners | 1 | 0.004 s | 0.001 s | |
| unzip>getNextEntry | 12 | 0.004 s | 0.003 s | |
| iofun/private/validpath>getFullName | 1 | 0.004 s | 0.001 s | |
| .../xlsreadXLSX>@0rmdir(baseDir,'s') | 1 | 0.004 s | 0.004 s | |
| org.apache.tools.zip.ZipFile (Java method) | 14 | 0.004 s | 0.004 s | |
| ...dXLSX>validateAndParseRangeSegment | 2 | 0.003 s | 0.000 s | |

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|---|----|---------|---------|--|
| createWorkbook | 1 | 0.003 s | 0.003 s | |
| fullfile>ensureTrailingFilesep | 25 | 0.003 s | 0.001 s | |
| iofun/private/validpath>abspath | 1 | 0.003 s | 0.002 s | |
| unzip>getModifiedTime | 11 | 0.003 s | 0.002 s | |
| ...ate/checkfilename>validateFilename | 1 | 0.003 s | 0.001 s | |
| java.io.FileOutputStream (Java method) | 22 | 0.003 s | 0.003 s | |
| unzip>getInputStream | 11 | 0.003 s | 0.002 s | |
| table.writeXLSFile>getArgs | 1 | 0.003 s | 0.002 s | |
| ...s>parseInputs/validateInputStrings | 1 | 0.002 s | 0.001 s | |
| tempdir | 2 | 0.002 s | 0.002 s | |
| unzip>getFileMode | 11 | 0.002 s | 0.002 s | |
| fileread | 4 | 0.002 s | 0.002 s | |
| cell.unique>celluniqueR2012a | 2 | 0.002 s | 0.002 s | |
| fullfile>addTrailingFileSep | 25 | 0.002 s | 0.002 s | |
| ismember | 1 | 0.002 s | 0.001 s | |
| general/private/catdirs | 1 | 0.002 s | 0.002 s | |
| parseArgs | 2 | 0.002 s | 0.001 s | |
| ...zipFile.close.@(delete(cleanUpUrl)) | 1 | 0.002 s | 0.001 s | |
| iofun/private/xlsreadXLSX>getNamedRange | 1 | 0.002 s | 0.000 s | |
| toolboxdir | 1 | 0.002 s | 0.001 s | |
| isdir | 1 | 0.002 s | 0.002 s | |
| repmat | 1 | 0.001 s | 0.001 s | |
| ...arselInputs/validateExclStrOrElemToChk | 1 | 0.001 s | 0.001 s | |
| ismember>ismemberR2012a | 1 | 0.001 s | 0.001 s | |
| ...XLSX>parseWorkbookForScopeAndRange | 1 | 0.001 s | 0.001 s | |
| org.apache.tools.zip.ZipEntry (Java method) | 55 | 0.001 s | 0.001 s | |
| unzip>@(x)x() | 2 | 0.001 s | 0.001 s | |
| ...:&all(cellfun(isRowOrEmpty,x(:))) | 2 | 0.001 s | 0.001 s | |
| iofun/private/getSheetNames | 1 | 0.001 s | 0.001 s | |
| makeValidName>validateCandidates | 1 | 0.001 s | 0.001 s | |
| isunix | 11 | 0.001 s | 0.001 s | |

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|--|----|---------|---------|--|
| checkReservedNames | 1 | 0.001 s | 0.001 s | |
| opaque.toChar | 1 | 0.001 s | 0.001 s | |
| makeUniqueStrings>truncateString | 1 | 0.001 s | 0.001 s | |
| java.io.File (Java method) | 34 | 0.001 s | 0.001 s | |
| ...t:readSplitNumericAndText>getCorner | 4 | 0.001 s | 0.001 s | |
| filesep | 16 | 0.001 s | 0.001 s | |
| table.writeXLSFile>parseRange | 1 | 0.001 s | 0.001 s | |
| ...t:parseInputs/validateMaxStringLength | 1 | 0.001 s | 0.001 s | |
| iofun/private/checkfilename>parseInputs | 1 | 0.001 s | 0.001 s | |
| getSettingsRoot | 1 | 0.001 s | 0.001 s | |
| dfltDimNames | 1 | 0.001 s | 0.001 s | |
| isstring | 4 | 0.001 s | 0.001 s | |
| table.writeXLSFile>getSheetFromBook | 1 | 0.001 s | 0.001 s | |
| usejava | 3 | 0.000 s | 0.000 s | |
| ismember>ismemberBuiltinTypes | 1 | 0.000 s | 0.000 s | |
| @table/private/checkDuplicateNames | 1 | 0.000 s | 0.000 s | |
| java.util.Collections\$2 (Java method) | 23 | 0.000 s | 0.000 s | |
| fullfile>replaceMultipleFileSeps | 1 | 0.000 s | 0.000 s | |
| fullfile>replaceSingleDots | 1 | 0.000 s | 0.000 s | |
| pathsep | 3 | 0.000 s | 0.000 s | |
| ...trings>@(x)isvector(x) isempty(x) | 2 | 0.000 s | 0.000 s | |
| ...trings>@(x)isrow(x) isequal(x,") | 4 | 0.000 s | 0.000 s | |
| ...(x)ischar(x)&&isRowOrEmpty(x) | 2 | 0.000 s | 0.000 s | |
| xlsreadSupportedExtensions | 1 | 0.000 s | 0.000 s | |
| ...e/xlsreadXLSX>validateRangeSegment | 2 | 0.000 s | 0.000 s | |
| makeValidName>isRowOrEmpty | 4 | 0.000 s | 0.000 s | |
| general/private/unix_tilde_expansion | 1 | 0.000 s | 0.000 s | |
| unzip>@()zipFile.close | 1 | 0.000 s | 0.000 s | |
| validateLogical | 2 | 0.000 s | 0.000 s | |
| iofun/private/isAbsolute | 1 | 0.000 s | 0.000 s | |
| java.lang.String (Java method) | 11 | 0.000 s | 0.000 s | |

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|---|---|---------|---------|--|
| matricize | 2 | 0.000 s | 0.000 s | |
| repmat>@(x)double(full(x)) | 2 | 0.000 s | 0.000 s | |
| pwd | 2 | 0.000 s | 0.000 s | |
| fixEmptyNames | 1 | 0.000 s | 0.000 s | |
| makeUniqueStrings>@(x)~any(mod(x,1)) | 1 | 0.000 s | 0.000 s | |
| unzip>@()delete(cleanUpUrl) | 1 | 0.000 s | 0.000 s | |
| java.util.UUID (Java method) | 1 | 0.000 s | 0.000 s | |
| makeValidName>isVectorOrEmpty | 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.