# Profile Summary

*Generated 31–Mar–2019 14:29:49 using performance time.*

| Function Name | Calls | Total Time | Self Time* | Total Time Plot (dark band = self time) |
|---|---|---|---|---|
| pitch>CEP | 1 | 5.576 s | 5.453 s | |
| InputStream>InputStream.readPackets | 81 | 0.284 s | 0.284 s | |
| predictkey | 1 | 5.942 s | 0.174 s | |
| pitch>stepMethod | 1 | 5.729 s | 0.153 s | |
| pitch>getCandidates | 1 | 0.105 s | 0.105 s | |
| InputStream>InputStream.read | 1 | 0.376 s | 0.091 s | |
| signal/private/updownsample | 1 | 0.042 s | 0.040 s | |
| Channel>Channel.Channel | 1 | 0.041 s | 0.027 s | |
| audioread | 1 | 0.495 s | 0.016 s | |
| pitch | 1 | 5.766 s | 0.013 s | |
| main | 1 | 6.555 s | 0.013 s | |
| cell.strcat | 2 | 0.014 s | 0.011 s | |
| keyclassification | 1 | 6.524 s | 0.011 s | |
| pitch>validateRequiredInputs | 1 | 0.009 s | 0.009 s | |
| readdata | 1 | 0.570 s | 0.008 s | |
| downsample | 1 | 0.049 s | 0.007 s | |
| num2str | 2 | 0.009 s | 0.006 s | |
| absolutePathForReading | 1 | 0.028 s | 0.006 s | |
| Stream>Stream.Stream | 2 | 0.007 s | 0.005 s | |
| pitch>validateOptionalInputs | 1 | 0.010 s | 0.005 s | |
| FilePath>FilePath.FilePath | 1 | 0.012 s | 0.004 s | |
| string.strcat | 2 | 0.018 s | 0.004 s | |
| fileparts | 2 | 0.005 s | 0.004 s | |
| Channel>Channel.open | 1 | 0.007 s | 0.004 s | |
| errorIf | 9 | 0.005 s | 0.004 s | |
| FilePath>FilePath.get.Exists | 3 | 0.004 s | 0.004 s | |
| FilePath>FilePath.get.Readable | 1 | 0.004 s | 0.003 s | |

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|---|---|---|---|---|
| strmatch | 1 | 0.003 s | 0.003 s | |
| strsplit | 1 | 0.009 s | 0.003 s | |
| FilePath>FilePath.set.Extension | 1 | 0.003 s | 0.003 s | |
| strjoin | 1 | 0.003 s | 0.003 s | |
| signal/private/gencoswin | 1 | 0.012 s | 0.003 s | |
| Channel>Channel.delete | 1 | 0.005 s | 0.003 s | |
| Channel>Channel.postInit | 1 | 0.003 s | 0.003 s | |
| setProperties | 1 | 0.005 s | 0.003 s | |
| FilePath>FilePath.get.Absolute | 1 | 0.003 s | 0.003 s | |
| Channel>Channel.preOpen | 1 | 0.002 s | 0.002 s | |
| const | 1 | 0.018 s | 0.002 s | |
| Stream>Stream.addFilter | 1 | 0.002 s | 0.002 s | |
| +file/private/mexAudioPluginManager (MEX-file) | 1 | 0.002 s | 0.002 s | |
| hamming | 1 | 0.014 s | 0.002 s | |
| cellstr | 2 | 0.002 s | 0.002 s | |
| int2str | 2 | 0.002 s | 0.002 s | |
| ...ger>PluginManager.getPluginForRead | 1 | 0.007 s | 0.002 s | |
| validatestring>checkString | 1 | 0.002 s | 0.002 s | |
| Channel>Channel.close | 1 | 0.003 s | 0.002 s | |
| strfun/private/strescape | 3 | 0.003 s | 0.002 s | |
| InputStream>InputStream.InputStream | 1 | 0.006 s | 0.002 s | |
| audioread>validateRange | 1 | 0.002 s | 0.002 s | |
| Stream>Stream.isSupported | 2 | 0.001 s | 0.001 s | |
| databasefrequencies | 1 | 0.001 s | 0.001 s | |
| shiftdim | 2 | 0.001 s | 0.001 s | |
| sigcheckfloattype | 1 | 0.001 s | 0.001 s | |
| designWindow | 1 | 0.016 s | 0.001 s | |
| ...nager>PluginManager.errorIfMexFile | 1 | 0.002 s | 0.001 s | |
| assert | 9 | 0.001 s | 0.001 s | |
| Channel>Channel.postClose | 1 | 0.001 s | 0.001 s | |

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|---|---|---|---|---|
| [Channel>Channel.isOpen](#) | 3 | 0.001 s | 0.001 s | |
| [validatestring](#) | 1 | 0.004 s | 0.001 s | |
| [signal/private/gencoswin>calc_window](#) | 1 | 0.001 s | 0.001 s | |
| [numtonotes](#) | 2 | 0.001 s | 0.001 s | |
| [nextpow2](#) | 2 | 0.001 s | 0.001 s | |
| [Channel>Channel.lock](#) | 1 | 0.002 s | 0.001 s | |
| [signal/private/gencoswin>sym_window](#) | 1 | 0.002 s | 0.001 s | |
| [sigcasttofloat](#) | 1 | 0.002 s | 0.001 s | |
| [validatestring>checkInputs](#) | 1 | 0.001 s | 0.001 s | |
| [PluginManager>PluginManager.getInstance](#) | 3 | 0.001 s | 0.001 s | |
| [audioread>validateDataType](#) | 1 | 0.005 s | 0.001 s | |
| [OutputStream>OutputStream.OutputStream](#) | 1 | 0.003 s | 0.001 s | |
| [databasekeys](#) | 1 | 0.001 s | 0.001 s | |
| [strfun/.../strescape>@(c)strescape(c)](#) | 1 | 0.001 s | 0.001 s | |
| [...ivate/updownsample>parseUpDnSample](#) | 1 | 0.001 s | 0.001 s | |
| [Channel>Channel.preTerm](#) | 1 | 0.001 s | 0.001 s | |
| [signal/private/check_order](#) | 1 | 0.001 s | 0.001 s | |
| [...ream>InputStream.readPartialPacket](#) | 1 | 0.001 s | 0.001 s | |
| [Stream>Stream.delete](#) | 2 | 0.001 s | 0.001 s | |
| [...er>PluginManager.handlePluginError](#) | 1 | 0.001 s | 0.001 s | |
| [Channel>Channel.updateAndFetchLockCount](#) | 2 | 0.001 s | 0.001 s | |
| [audioread>@()channel.close()](#) | 1 | 0.004 s | 0.001 s | |
| [onCleanup>onCleanup.delete](#) | 1 | 0.004 s | 0.001 s | |
| [setProperties>checkparameter](#) | 1 | 0.001 s | 0.001 s | |
| [...eam>InputStream.clearPartialPacket](#) | 1 | 0.001 s | 0.001 s | |
| [ispc](#) | 2 | 0.001 s | 0.001 s | |
| [setProperties>validateparameter](#) | 1 | 0.001 s | 0.000 s | |
| [...dler>MessageHandler.MessageHandler](#) | 1 | 0.000 s | 0.000 s | |
| [onCleanup>onCleanup.onCleanup](#) | 1 | 0.000 s | 0.000 s | |
| [Channel>Channel.unlock](#) | 1 | 0.000 s | 0.000 s | |
| [fliplr](#) | 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.