Profile Summary (Total time: 99.088 s)

Function Name	Calls	Total Time (s)	Self Time* (s)	Total Time Plot (dark band = self time)
writeXLSFile	501	41.262	31.256	
bruteForce	500	13.958	13.958	
randSpot	500	13.165	13.165	
createWorkbook>constructWorkbook	501	9.618	9.618	
imread>get_full_filename	500	6.794	6.794	
breadthSearch	500	16.975	6.287	
CQueue>CQueue.push	828860	6.001	4.896	
CQueue>CQueue.size	1658221	2.232	2.232	
CQueue>CQueue.pop	828860	2.225	2.225	
imagesci\private\pngreadc (MEX-file)	500	1.568	1.568	
randPick	500	1.517	1.514	
boolean	828860	1.325	1.325	
writetable	501	42.260	0.762	
ImageProcessing	1	99.087	0.495	
imagesci\private\readpngutil	500	1.961	0.363	
writecell	501	43.354	0.343	
parseArgs	1503	0.166	0.166	
table.table>table.getPropertyNamesList	1	0.131	0.130	
rgb2gray	500	0.145	0.130	
cell.strcat	1500	0.137	0.127	
imread	500	9.102	0.114	
table.table>table.table	501	0.531	0.112	
int2str	2500	0.106	0.106	
makeUniqueStrings>makeUnique	1002	0.070	0.070	
writeXLSFile>getSheetFromBook	501	0.069	0.069	
string.strcat	1500	0.199	0.062	
imread>call_format_specific_reader	500	2.032	0.052	
makeUniqueStrings	1002	0.156	0.049	
tabular.subsrefDot	1002	0.085	0.045	
fileparts>legacyPCExecution	1502	0.044	0.044	
num2str	2500	0.150	0.043	
imagesci\private\imftype	1	0.045	0.039	
validateSupportedWriteCellType	501	0.045	0.036	
varNamesDim>varNamesDim.validateAndAssignLabels	501	0.088	0.035	
tabular.tabular>tabular.initInternals	501	0.191	0.033	
imagesci\private\cachedFormat	1000	0.033	0.033	
tabular.subsref	1002	0.116	0.031	
writeXLSFile>parseRange	501	0.027	0.027	
tabular.tabular>tabular.countVarInputs	501	0.028	0.025	
tabularDimension>tabularDimension.createLike	1002	0.145	0.025	
tabular.getProperty	501	0.037	0.024	
tabular.size	1002	0.029	0.024	
imread>get_format_info	1	0.068	0.023	
RemoteToLocal>RemoteToLocal.RemoteToLocal	501	0.024	0.022	

fileparts	1502	0.065	0.021	
writeXLSFile>createWorkbook	501	9.667	0.020	▬
validateWriteFunctionArgumentOrder	1002	0.024	0.019	
tabularDimension>tabularDimension.setLabels	1002	0.120	0.019	
imagesci\private\readpng	500	1.980	0.017	▎
writeXLSFile>getArgs	501	0.060	0.016	
makeUniqueStrings>truncateString	1002	0.016	0.016	
createWorkbook	501	9.647	0.016	▬
validatestring>checkString	501	0.016	0.016	
repmat	501	0.018	0.016	
tabularDimension>tabularDimension.checkDuplicateLabels	501	0.015	0.015	
rgb2gray>parse_inputs	500	0.015	0.015	
imagesci\private\getFileFromURL	500	0.014	0.014	
rowNamesDim>rowNamesDim.validateAndAssignLabels	501	0.013	0.013	
num2cell	3006	0.013	0.013	
createWorkbook>initLibrary	501	0.013	0.013	
allchild	1	0.013	0.013	
varNamesDim>varNamesDim.createLike	501	0.119	0.012	
ismember>ismemberBuiltinTypes	500	0.012	0.012	
validatestring	501	0.035	0.012	
makeUniqueStrings>validateExclStrOrElemToChk	1002	0.014	0.011	
tabularDimension>tabularDimension.assignLabels	501	0.011	0.011	
metaDim>metaDim.checkAgainstVarLabels	501	0.089	0.010	
ismember	500	0.031	0.010	
CQueue>CQueue.CQueue	500	0.010	0.010	
varNamesDim>varNamesDim.makeValidName	501	0.021	0.010	
cellstr	500	0.010	0.010	
close>safegetchildren	1	0.023	0.010	
tabular.tabular>tabular.tabular	501	0.012	0.009	
isSupportedWriteMatrixType	3006	0.009	0.009	
tabular.matchPropertyName	501	0.013	0.009	
ismember>ismemberR2012a	500	0.021	0.009	
isCharString	2505	0.009	0.009	
imread>parse_inputs	500	0.009	0.009	
isScalarText	1503	0.008	0.008	
validateVariableNameLength	1003	0.008	0.008	
isScalarInt	1503	0.008	0.008	
tabular.isempty	2004	0.008	0.008	
cell.ismember	499	0.008	0.008	
varNamesDim>varNamesDim.dfltLabels	1	0.008	0.008	
validatestring>checkInputs	501	0.007	0.007	
writeXLSFile>ncolsCell	3006	0.007	0.007	
writeXLSFile>extractVarChunk	501	0.007	0.007	
RemoteToLocal>RemoteToLocal.delete	501	0.009	0.006	
metaDim>metaDim.fixLabelsForCompatibility	1	0.007	0.006	
isText	501	0.006	0.006	
varNamesDim>varNamesDim.checkReservedNames	501	0.008	0.006	
tabularDimension>tabularDimension.init	3	0.005	0.005	
deg2rad	501	0.004	0.004	
makeUniqueStrings>validateMaxStringLength	1002	0.004	0.004	

RemoteToLocal>RemoteToLocal.deleteIfLocalCopy	501	0.003	0.003	
metaDim>metaDim.metaDim	1	0.013	0.003	
tabularDimension>tabularDimension.checkReservedNamesImpl	502	0.003	0.003	
validateLogical	1002	0.003	0.003	
imformats>build_registry	1	0.002	0.002	
…veLoadCompatibility>saveLoadCompatibility.saveLoadCompatibility	503	0.002	0.002	
repmat>checkSizesType	1002	0.002	0.002	
RandStream.RandStream>RandStream.delete	1	0.002	0.002	
matricize	501	0.002	0.002	
imagesci\private\readpng>parse_args	500	0.002	0.002	
imformats>find_in_registry	1	0.002	0.002	
isCharVector	501	0.002	0.002	
istable	501	0.002	0.002	
TabularProperties>TabularProperties.TabularProperties	1	0.002	0.002	
imformats	1	0.005	0.001	
getSettingsRoot	2	0.001	0.001	
rmfield	1	0.001	0.001	
close	1	0.024	0.001	
imagesci\private\ispng	1	0.001	0.001	
varNamesDim>varNamesDim.varNamesDim	1	0.011	0.001	
rowNamesDim>rowNamesDim.rowNamesDim	1	0.001	0.001	
metaDim>metaDim.checkReservedNames	1	0.000	0.000	
metaDim>metaDim.initWithCompatibility	1	0.003	0.000	
close>getEmptyHandleList	1	0.000	0.000	
TableProperties>TableProperties.TableProperties	1	0.002	0.000	
CustomProperties>CustomProperties.CustomProperties	1	0.000	0.000	
allchild>@()set(rootobj,'ShowHiddenHandles',Temp)	1	0.000	0.000	
varNamesDim>varNamesDim.init	1	0.003	0.000	
numberedNames	1	0.000	0.000	
allchild>getchildren	1	0.000	0.000	
mpower	3	0.000	0.000	
uitools\private\allchildRootHelper	1	0.000	0.000	
tabularDimension>tabularDimension.tabularDimension	3	0.000	0.000	
varNamesDim>varNamesDim.orientAs	1	0.000	0.000	
metaDim>metaDim.orientAs	1	0.000	0.000	
close>checkfigs	1	0.000	0.000	
close>request_close	1	0.000	0.000	

*Self time is the time spent in a function excluding any time spent in child functions. The time includes any overhead time resulting from the profiling process.