Profile Summary (Total time: 758.974 s)

Function Name	Calls	Total Time (s)	Self Time* (s)	Total Time Plot (dark band = self time)
brutForce	1000	535.417	348.605	
squeeze	232750171	208.203	208.203	
writeXLSFile	1000	145.393	121.322	
randPick	1000	70.126	48.723	
createWorkbook>constructWorkbook	1000	23.522	23.522	
imagesci\private\pngreadc (MEX-file)	1000	2.649	2.649	
ImageProcessing	1	758.721	0.806	
imagesci\private\readpngutil	1000	3.246	0.540	
writetable	1000	146.263	0.330	
parseArgs	3000	0.294	0.294	
cell.strcat	3000	0.263	0.245	
int2str	5000	0.229	0.229	
imread>get_full_filename	1000	0.229	0.229	
rgb2gray	1000	0.250	0.221	
writecell	1000	147.488	0.220	
table.table>table.table	1000	0.879	0.182	
imread	1000	3.917	0.154	
string.strcat	3000	0.388	0.124	
makeUniqueStrings>makeUnique	2000	0.123	0.123	
num2str	5000	0.322	0.093	
writeXLSFile>getSheetFromBook	1000	0.090	0.090	
imread>call_format_specific_reader	1000	3.357	0.089	
makeUniqueStrings	2000	0.272	0.085	
fileparts>legacyPCExecution	3009	0.079	0.079	
imagesci\private\cachedFormat	2000	0.066	0.066	
tabular.subsrefDot	2000	0.121	0.062	
fullfile	1001	0.143	0.061	
tabular.tabular>tabular.initInternals	1000	0.320	0.061	
varNamesDim>varNamesDim.validateAndAssignLabels	1000	0.142	0.050	
validateSupportedWriteCellType	1000	0.058	0.047	
fullfile>fixIRI	1001	0.045	0.045	
table.table>table.getPropertyNamesList	1	0.045	0.045	
tabularDimension>tabularDimension.createLike	2000	0.237	0.044	
writeXLSFile>parseRange	1000	0.044	0.044	
fileparts	3009	0.117	0.039	
tabular.subsref	2000	0.158	0.037	
tabular.tabular>tabular.countVarInputs	1000	0.040	0.036	
tabular.getProperty	1000	0.055	0.034	
tabular.size	2000	0.040	0.030	
rgb2gray>parse_inputs	1000	0.029	0.029	
makeUniqueStrings>truncateString	2000	0.029	0.029	
writeXLSFile>getArgs	1000	0.110	0.029	
repmat	1000	0.031	0.027	
tabularDimension>tabularDimension.setLabels	2000	0.193	0.027	

validatestring>checkString	1000	0.027	0.027	
tabularDimension>tabularDimension.checkDuplicateLabels	1000	0.027	0.027	
createWorkbook	1000	23.562	0.026	▪
imagesci\private\getFileFromURL	1000	0.025	0.025	
RemoteToLocal>RemoteToLocal.RemoteToLocal	1000	0.027	0.024	
rowNamesDim>rowNamesDim.validateAndAssignLabels	1000	0.024	0.024	
varNamesDim>varNamesDim.createLike	1000	0.196	0.021	
ismember>ismemberBuiltinTypes	1000	0.020	0.020	
getFileInfoForToolstrip	1	0.225	0.020	
fullfile>refinePath	1001	0.065	0.020	
makeUniqueStrings>validateExclStrOrElemToChk	2000	0.025	0.020	
validatestring	1000	0.060	0.020	
PackageServiceLocator>PackageServiceLocator.locate	2	0.039	0.019	
tabularDimension>tabularDimension.assignLabels	1000	0.019	0.019	
ismember>ismemberR2012a	1000	0.039	0.018	
cellstr	1000	0.018	0.018	
validateWriteFunctionArgumentOrder	2000	0.027	0.018	
testSuiteFileExtensionServices	1	0.034	0.018	
imagesci\private\readpng	1000	3.267	0.018	
ismember	1000	0.057	0.018	
metaDim>metaDim.checkAgainstVarLabels	1000	0.154	0.017	
num2cell	4001	0.017	0.017	
imread>parse_inputs	1000	0.017	0.017	
varNamesDim>varNamesDim.makeValidName	1000	0.037	0.017	
tabular.matchPropertyName	1000	0.021	0.015	
cell.ismember	1000	0.015	0.015	
isCharString	5000	0.014	0.014	
isScalarText	3000	0.014	0.014	
writeXLSFile>createWorkbook	1000	23.576	0.014	▪
validateVariableNameLength	2001	0.014	0.014	
tabular.isempty	4000	0.014	0.014	
createWorkbook>initLibrary	1000	0.014	0.014	
validatestring>checkInputs	1000	0.014	0.014	
isScalarInt	3000	0.014	0.014	
pwd	1000	0.013	0.013	
deg2rad	2001	0.013	0.013	
writeXLSFile>extractVarChunk	1000	0.013	0.013	
RemoteToLocal>RemoteToLocal.delete	1000	0.018	0.012	
…kageServiceLocator>PackageServiceLocator.validateInterfaceClass	2	0.020	0.012	
getFunctionFileInfoForToolstrip	1	0.176	0.012	
isSupportedWriteMatrixType	4000	0.011	0.011	
fullfile>addTrailingFileSep	1001	0.010	0.010	
isText	1000	0.010	0.010	
varNamesDim>varNamesDim.checkReservedNames	1000	0.014	0.009	
isFunctionBasedTest	1	0.029	0.009	
isSystemObjectCode>pIsSystemObjectCode	1	0.015	0.009	
getSuiteCreationServicesForToolstrip	1	0.046	0.009	
mdbstatus>localGetFileBreakpoints	1	0.008	0.008	
@mtree\private\nodeinfo	1	0.009	0.008	
SimulinkTestSuiteCreationService>getFilenameFromParentName	1	0.016	0.007	

mtree.mtree>mtree.mtree	2	0.013	0.007	
@mtree\private\mtree_info	10	0.016	0.007	
writeXLSFile>ncolsCell	4000	0.007	0.007	
mtree.mtfind	2	0.015	0.007	
SuiteCreationLiaison>SuiteCreationLiaison.get.Factory	1	0.007	0.006	
makeUniqueStrings>validateMaxStringLength	2000	0.006	0.006	
RemoteToLocal>RemoteToLocal.deleteIfLocalCopy	1000	0.006	0.006	
fullfile>ensureTrailingFilesep	1001	0.015	0.006	
ServiceFactory>ServiceFactory.create	2	0.006	0.005	
mtree.restrict	2	0.008	0.005	
tabular.tabular>tabular.tabular	1000	0.009	0.005	
tabularDimension>tabularDimension.checkReservedNamesImpl	1001	0.005	0.005	
validateLogical	2000	0.004	0.004	
repmat>checkSizesType	2000	0.004	0.004	
…veLoadCompatibility>saveLoadCompatibility.saveLoadCompatibility	1002	0.004	0.004	
ServiceLocator>ServiceLocator.forPackage	2	0.004	0.004	
imagesci\private\readpng>parse_args	1000	0.004	0.004	
matricize	1000	0.004	0.004	
…on>SuiteCreationLiaison.get.ParentNameMeetsNamingConvention	1	0.005	0.003	
…ervice>FileBasedStaticAnalysisSuiteCreationService.selectFactory	1	0.074	0.003	
mtree.pathit	2	0.003	0.003	
istable	1000	0.003	0.003	
attributes>checkInputs	3	0.005	0.003	
strsplit	1	0.004	0.003	
mtree.iskind	5	0.003	0.003	
mtree.wholetree	2	0.002	0.002	
isCharVector	1000	0.002	0.002	
SuiteCreationLiaison>SuiteCreationLiaison.fromFilename	1	0.017	0.002	
NameParser>NameParser.NameParser	1	0.005	0.002	
isSystemObjectFile	1	0.017	0.002	
allchild	1	0.004	0.002	
SuiteCreationLiaison>isUninitialized	10	0.002	0.002	
strcat	1	0.002	0.002	
generateArgumentDescriptor	3	0.002	0.002	
close>safegetchildren	1	0.006	0.002	
attributes>checkAttrs	3	0.003	0.002	
allchild>getchildren	1	0.002	0.002	
FileExtensionService>FileExtensionService.FileExtensionService	4	0.002	0.002	
getParentNameFromFilename	1	0.014	0.001	
getSystemObjectInfo	1	0.019	0.001	
getCode	1	0.003	0.001	
getBaseFolderFromFilename	1	0.012	0.001	
…teCreationService>SimulinkTestSuiteCreationService.selectFactory	1	0.019	0.001	
SuiteCreationService>SuiteCreationService.fulfill	1	0.095	0.001	
getSystemObjectInfo	1	0.020	0.001	
attributes	3	0.010	0.001	
metaDim>metaDim.metaDim	1	0.003	0.001	
SuiteCreationLiaison>SuiteCreationLiaison.get.SimpleParentName	2	0.002	0.001	
…rvice>FunctionSuiteCreationService.selectFactoryUsingParseTree	1	0.030	0.001	

mfile	1	0.002	0.001	
join	1	0.001	0.001	
close	1	0.007	0.001	
varNamesDim>varNamesDim.dfltLabels	1	0.001	0.001	
metaDim>metaDim.fixLabelsForCompatibility	1	0.002	0.001	
tabularDimension>tabularDimension.init	3	0.001	0.001	
ParseTreeUtils>ParseTreeUtils.isTreeError	1	0.001	0.001	
mtree.root	2	0.001	0.001	
Service>Service.Service	7	0.001	0.001	
mtree.Parent	1	0.001	0.001	
rmfield	1	0.001	0.001	
mtree.Right	1	0.001	0.001	
mdbstatus	1	0.009	0.001	
attributes>checkClass	3	0.001	0.001	
generateArgumentDescriptor>isCharOrString	9	0.001	0.001	
varNamesDim>varNamesDim.varNamesDim	1	0.002	0.001	
mtree.Outs	1	0.001	0.001	
mtree.Left	1	0.001	0.001	
fileread	1	0.001	0.001	
attributes>valueAttributor	3	0.001	0.001	
mtree.mtree>validateInput	2	0.000	0.000	
attributes>findSupportedAttr	3	0.000	0.000	
@mtree\private\collect_qualifiers	2	0.001	0.000	
testSuiteFileExtensionServices>locateAndCreateServices	1	0.013	0.000	
NamingConventionService>NamingConventionService.fulfill	1	0.000	0.000	
…LABCodeFileExtensionService.MATLABCodeFileExtensionService	3	0.002	0.000	
SuiteCreationService>SuiteCreationService.SuiteCreationService	2	0.000	0.000	
NameParser>NameParser.parse	1	0.000	0.000	
…geServiceLocator>PackageServiceLocator.PackageServiceLocator	2	0.000	0.000	
SuiteCreationLiaison>SuiteCreationLiaison.SuiteCreationLiaison	1	0.000	0.000	
rowNamesDim>rowNamesDim.rowNamesDim	1	0.000	0.000	
mtree.select	1	0.000	0.000	
…isscalar,A,'scalar',fname,'expectedScalar',msgId,argname,argpos)	2	0.001	0.000	
metaDim>metaDim.checkReservedNames	1	0.000	0.000	
SuiteCreationLiaison>SuiteCreationLiaison.get.Filename	2	0.001	0.000	
strfun\private\strescape	2	0.000	0.000	
whichFile	1	0.000	0.000	
close>getEmptyHandleList	1	0.000	0.000	
mtree.string	1	0.000	0.000	
mustBeTextScalar	1	0.002	0.000	
SuiteCreationLiaison>SuiteCreationLiaison.get.UsingDefaultFactory	3	0.000	0.000	
SuiteCreationLiaison>UNINITIALIZED	16	0.000	0.000	
NonTestFactory>NonTestFactory.NonTestFactory	1	0.000	0.000	
..FileExtensionService>PFileExtensionService.PFileExtensionService	1	0.001	0.000	
metaDim>metaDim.initWithCompatibility	1	0.001	0.000	
SuiteCreationLiaison>SuiteCreationLiaison.get.ParseTree	1	0.001	0.000	
FileExtensionService>FileExtensionService.findServiceThatSupports	1	0.000	0.000	
ParseTreeUtils>ParseTreeUtils.getTree	1	0.003	0.000	
…rvice>MLDATXFileExtensionService.MLDATXFileExtensionService	1	0.000	0.000	

varNamesDim>varNamesDim.init	1	0.001	0.000	
mtree.isempty	2	0.000	0.000	
…ileExtensionService>MFileExtensionService.MFileExtensionService	1	0.001	0.000	
…nsionService>MLXFileExtensionService.MLXFileExtensionService	1	0.001	0.000	
…ationLiaison>SuiteCreationLiaison.get.NamingConventionServices	1	0.000	0.000	
@mtree\private\collect_qualifiers>is_qual	2	0.000	0.000	
numberedNames	1	0.000	0.000	
…mingConventionService.AllowsAnythingNamingConventionService	1	0.000	0.000	
isSystemObjectCode	1	0.015	0.000	
…rvice>FunctionSuiteCreationService.FunctionSuiteCreationService	1	0.001	0.000	
getSimpleParentName	1	0.000	0.000	
TableProperties>TableProperties.TableProperties	1	0.000	0.000	
allchild>@()set(rootobj,'ShowHiddenHandles',Temp)	1	0.000	0.000	
…(x,'string')&&isscalar(x)&&~ismissing(x))||(ischar(x)&&size(x,1)<=1)	1	0.000	0.000	
…SuiteCreationService.FileBasedStaticAnalysisSuiteCreationService	1	0.000	0.000	
mpower	3	0.000	0.000	
CustomProperties>CustomProperties.CustomProperties	1	0.000	0.000	
…SuiteCreationService>FunctionSuiteCreationService.getParseTree	1	0.001	0.000	
mtree.indices	1	0.000	0.000	
mtree.isnull	2	0.000	0.000	
…tionService>NamingConventionService.NamingConventionService	1	0.000	0.000	
…imulinkTestSuiteCreationService.SimulinkTestSuiteCreationService	1	0.000	0.000	
mustContainCharacters	1	0.000	0.000	
…ntionLiaison>NamingConventionLiaison.NamingConventionLiaison	1	0.000	0.000	
blanks	1	0.000	0.000	
mtree.count	1	0.000	0.000	
TabularProperties>TabularProperties.TabularProperties	1	0.000	0.000	
…),A,'scalartext',fname,'expectedScalartext',msgId,argname,argpos)	1	0.000	0.000	
uitools\private\allchildRootHelper	1	0.000	0.000	
Type>Type.Type	4	0.000	0.000	
strfun\private\isTextStrict	1	0.000	0.000	
…rvice>AllowsAnythingNamingConventionService.meetsConvention	1	0.000	0.000	
…ationLiaison>SuiteCreationLiaison.set.NamingConventionServices	1	0.000	0.000	
fullfile>@(x)~iscell(x)&&isempty(x)	2	0.000	0.000	
close>checkfigs	1	0.000	0.000	
fliplr	1	0.000	0.000	
close>request_close	1	0.000	0.000	
tabularDimension>tabularDimension.tabularDimension	3	0.000	0.000	
ServiceLocator>ServiceLocator.ServiceLocator	2	0.000	0.000	
metaDim>metaDim.orientAs	1	0.000	0.000	
varNamesDim>varNamesDim.orientAs	1	0.000	0.000	
TestSuiteFactory>TestSuiteFactory.TestSuiteFactory	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.