Profile Summary

Generated 16-Jun-2020 09:42:45 using performance time.

Function Name	Calls	Total Time	Self Time*
main_obj_comparison	1	10105.063 s	0.134 s
optimization_M_one_against_one_BCD	10	10104.431 s	0.010 s
...n_M_one_against_one_binary_R_Block_CD	10	10104.421 s	0.051 s
...ssification_main_workflow_wei_partial	10	10104.349 s	1012.270 s
optimization_M_Block_CD	70000	8255.853 s	6993.998 s
optimization_M_lobpcg	70000	821.207 s	811.896 s
optimization_M_set_L_Mahalanobis	78935	645.165 s	645.165 s
optimization_M_set_gradient	72722	617.885 s	617.885 s
optimization_M_Block_CDdia_corrected	35	14.026 s	0.086 s
optimization_M_clipping	45	13.076 s	13.076 s
mean	318306	5.886 s	4.898 s
cond	318329	3.430 s	3.430 s
mean>mysize	318306	0.988 s	0.988 s
optimization_M_initialization	10	0.624 s	0.624 s
addpath	8	0.361 s	0.014 s
path	8	0.341 s	0.262 s
open	2	0.255 s	0.002 s
general\private\openm	2	0.222 s	0.000 s
edit	2	0.222 s	0.001 s
edit>openWithFileSystem	4	0.213 s	0.001 s
edit>openEditor	2	0.210 s	0.001 s
Document.Document>Document.openEditor	2	0.207 s	0.000 s

Total Time Plot (dark band = self time)
▬▬▬▬▬▬▬
▬▬▬▬▬▬
▬▬▬▬▬▬
■▬▬▬▬▬
■■■■■▬
■
■
■
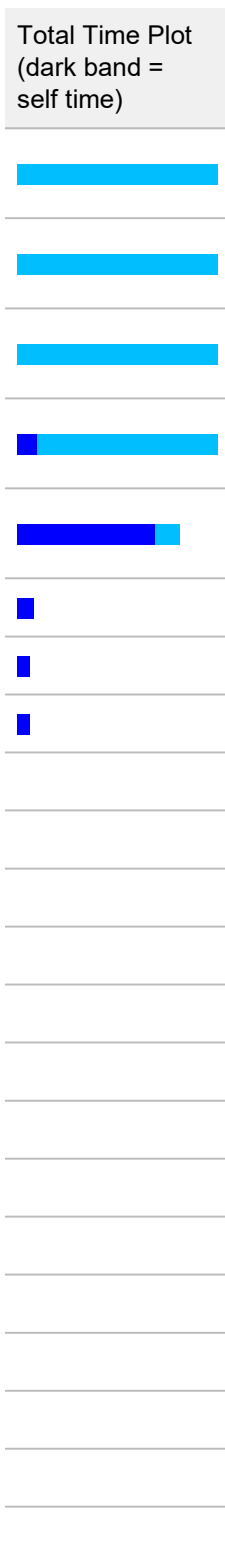
[Document.Document>openEditorViaFunction](#)	2	0.206 s	0.001 s
[...singOpenFileInAppropriateEditor(file)](#)	2	0.204 s	0.000 s
[...:openUsingOpenFileInAppropriateEditor](#)	2	0.204 s	0.204 s
[importdata](#)	1	0.134 s	0.023 s
[rng](#)	13	0.096 s	0.003 s
[importdata>LocalTextRead](#)	1	0.094 s	0.008 s
[getFileInfoForToolstrip](#)	4	0.093 s	0.005 s
[crossvalind](#)	1	0.091 s	0.017 s
[rng>getCurrentType](#)	13	0.079 s	0.066 s
[grp2idx](#)	1	0.073 s	0.018 s
[importdata>parse](#)	1	0.072 s	0.001 s
[getFunctionFileInfoForToolstrip](#)	4	0.069 s	0.004 s
[general\private\parsedirs](#)	16	0.065 s	0.064 s
[grp2idx](#)	1	0.055 s	0.018 s
[...rvice>SuiteCreationService.fulfill](#)	4	0.054 s	0.002 s
[...sisSuiteCreationService.selectFactory](#)	4	0.051 s	0.003 s
[importdata>analyze](#)	1	0.039 s	0.001 s
[importdata>isvaliddata](#)	1	0.038 s	0.001 s
[...onService.selectFactoryUsingParseTree](#)	4	0.036 s	0.001 s
[isFunctionBasedTest](#)	4	0.036 s	0.012 s
[importdata>maxNotData](#)	1	0.035 s	0.004 s
[mdbstatus](#)	2	0.033 s	0.001 s
[importdata>isdata](#)	2002	0.032 s	0.032 s
[mdbstatus>localGetFileBreakpoints](#)	2	0.032 s	0.032 s
[importdata>readData](#)	1	0.030 s	0.025 s
[mtree.mtree>mtree.mtree](#)	8	0.027 s	0.020 s
[mdbfileonpath](#)	1	0.026 s	0.003 s
[num2str](#)	84	0.026 s	0.016 s
[getSystemObjectInfo](#)	4	0.024 s	0.001 s

getSystemObjectInfo	4	0.023 s	0.001 s
finfo	3	0.022 s	0.016 s
isSystemObjectFile	4	0.022 s	0.002 s
std	30	0.020 s	0.012 s
mdbfileonpath>checkIfShadowed	1	0.020 s	0.001 s
grp2idx>toString	1	0.020 s	0.019 s
open>whichWrapper	4	0.019 s	0.017 s
isSystemObjectCode	4	0.019 s	0.000 s
isSystemObjectCode>pIsSystemObjectCode	4	0.018 s	0.002 s
strcat	10	0.018 s	0.018 s
mtree.mtfind	8	0.018 s	0.003 s
unique	1	0.017 s	0.015 s
...tion_M_one_against_one_voting_1_and_2	10	0.016 s	0.009 s
getAll	2	0.016 s	0.001 s
mtree.restrict	8	0.015 s	0.010 s
ParseTreeUtils>ParseTreeUtils.getTree	4	0.011 s	0.001 s
loadLinkSet	2	0.011 s	0.002 s
...m.RandStream>RandStream.RandStream	13	0.010 s	0.006 s
fileparts	55	0.009 s	0.009 s
mdbfileonpath>areDirectoriesEqual	1	0.009 s	0.005 s
importdata>fixLineEndings	2	0.009 s	0.009 s
...n.get.ParentNameMeetsNamingConvention	4	0.008 s	0.003 s
...RandStream>localGetSetGlobalStream	26	0.008 s	0.006 s
workspacefunc	4	0.008 s	0.003 s
edit>openInPrivateOfCallingFile	2	0.008 s	0.001 s
getLinkFilePath	2	0.008 s	0.001 s
var	30	0.008 s	0.007 s
fullfile	12	0.008 s	0.004 s
...Mapper>StorageMapper.getStorageFor	4	0.007 s	0.001 s

num2str>handleNumericPrecision	42	0.007 s	0.001 s
RandStream.RandStream>RandStream.subsref	13	0.006 s	0.006 s
general\private\catdirs	8	0.006 s	0.006 s
mdbfileonpath>filepartsWithoutPackages	2	0.006 s	0.000 s
mdbfileonpath>removePackageDirs	2	0.006 s	0.000 s
clearAndSetBreakpointsForFile	2	0.006 s	0.002 s
num2str>convertUsingRecycledSprintf	42	0.006 s	0.006 s
fileread	5	0.006 s	0.006 s
...ization_M_one_against_one_voted_label	10	0.005 s	0.005 s
collectOutput	1	0.005 s	0.001 s
...dStream>RandStream.getGlobalStream	13	0.005 s	0.000 s
mtree.pathit	8	0.005 s	0.003 s
...>SuiteCreationLiaison.fromFilename	4	0.005 s	0.001 s
...t;StorageMapper.getDefaultStorageName	4	0.005 s	0.003 s
opaque.strcmpi	1	0.004 s	0.004 s
...dStream>RandStream.setGlobalStream	13	0.004 s	0.001 s
optimization_M_cy	10	0.004 s	0.004 s
getCode	4	0.004 s	0.002 s
visibleInToolstrip	2	0.004 s	0.001 s
...n>SuiteCreationLiaison.get.Factory	4	0.004 s	0.002 s
strtok	5	0.003 s	0.001 s
mtree.Outs	4	0.003 s	0.003 s
close	1	0.003 s	0.001 s
canLink	2	0.003 s	0.001 s
mdbfileonpath>getFileToRun	1	0.003 s	0.002 s
int2str	42	0.003 s	0.003 s
...tion_M_one_against_one_binary_results	10	0.003 s	0.003 s
collectOutput>getTypesLengths	1	0.003 s	0.003 s
...ntsForFile>quietlyClearBreakpoints	2	0.002 s	0.000 s

RandStream.RandStream>getargs	13	0.002 s	0.002 s
+editor\private\doSetBreakpoint	2	0.002 s	0.002 s
mtree.Parent	5	0.002 s	0.002 s
mfile	4	0.002 s	0.000 s
fullfile>refinePath	12	0.002 s	0.001 s
hasReqDataFile	2	0.002 s	0.002 s
iofun\private\guessdelim	1	0.002 s	0.002 s
strtok>doStrtok	5	0.002 s	0.002 s
now	4	0.002 s	0.001 s
...ce>NamingConventionService.fulfill	4	0.002 s	0.002 s
@mtree\private\collect_qualifiers	8	0.002 s	0.002 s
...eCreationLiaison.get.SimpleParentName	8	0.002 s	0.002 s
collectOutput>mergeColumns	1	0.002 s	0.002 s
close>safegetchildren	1	0.002 s	0.000 s
edit>resolveWithFileSystem	4	0.002 s	0.000 s
getParentNameFromFilename	4	0.002 s	0.002 s
close	3	0.002 s	0.001 s
mtree.Right	4	0.002 s	0.002 s
onCleanup>onCleanup.delete	8	0.002 s	0.001 s
...eCreationLiaison.SuiteCreationLiaison	4	0.002 s	0.001 s
...AllowsAnythingNamingConventionService	4	0.002 s	0.001 s
optimization_M_confusion_matrix_setting	10	0.002 s	0.002 s
allchild	1	0.002 s	0.001 s
optimization_M_oao_vae	10	0.002 s	0.002 s
...ream>RandStream.createGlobalStream	1	0.002 s	0.002 s
mtree.wholetree	8	0.002 s	0.002 s
...tionSuiteCreationService.getParseTree	4	0.002 s	0.001 s
datenum	4	0.002 s	0.001 s
mtree.mtree>validateInput	8	0.002 s	0.002 s

edit>resolveWithDir	4	0.001 s	0.001 s
SuiteCreationLiaison>isUninitialized	32	0.001 s	0.001 s
...ointsForFile>quietlySetBreakpoints	2	0.001 s	0.001 s
isSupportedFile	2	0.001 s	0.001 s
mdbfileonpath>doesFileExist	6	0.001 s	0.001 s
strmatch	1	0.001 s	0.001 s
mtree.iskind	17	0.001 s	0.001 s
fullfile>ensureTrailingFilesep	12	0.001 s	0.001 s
ReqData.exists	5	0.001 s	0.001 s
mtree.select	5	0.001 s	0.001 s
ops\private\uniquelegacy	1	0.001 s	0.001 s
finfo>getExtension	3	0.001 s	0.001 s
onCleanup>onCleanup.onCleanup	8	0.001 s	0.001 s
workspacefunc>getCleanupHandler	4	0.001 s	0.001 s
importdata>TrimTrailing	1	0.001 s	0.001 s
cell.ismember	4	0.001 s	0.001 s
RandStream.RandStream>RandStream.algName	13	0.001 s	0.001 s
...nLiaison.get.NamingConventionServices	4	0.001 s	0.001 s
edit>isUsingBuiltinEditor	2	0.001 s	0.001 s
...eationLiaison.get.UsingDefaultFactory	8	0.001 s	0.001 s
...tory>NonTestFactory.NonTestFactory	4	0.001 s	0.001 s
rmfield	1	0.001 s	0.001 s
fullfile>fixIRI	12	0.001 s	0.001 s
...gt:SuiteCreationLiaison.get.ParseTree	4	0.001 s	0.001 s
...entionService.NamingConventionService	4	0.001 s	0.001 s
mdbfileonpath>isPackageDirectory	3	0.001 s	0.001 s
...er.StorageMapper>StorageMapper.get	4	0.001 s	0.001 s
...>SuiteCreationLiaison.get.Filename	4	0.001 s	0.001 s
edit>hasFileTypeEditor	2	0.001 s	0.000 s

xlsreadSupportedExtensions	5	0.001 s	0.001 s
open>isFile	4	0.001 s	0.001 s
var>mysize	30	0.001 s	0.001 s
importdata>split	1	0.001 s	0.001 s
...eeUtils>ParseTreeUtils.isTreeError	4	0.001 s	0.001 s
workspacefunc>getWhosInformation	4	0.001 s	0.001 s
edit>getFileTypeEditor	2	0.001 s	0.000 s
RandStream.RandStream>RandStream.delete	13	0.001 s	0.001 s
fullfile>addTrailingFileSep	12	0.001 s	0.001 s
blanks	10	0.001 s	0.001 s
isSidString	11	0.001 s	0.001 s
EditorUtils.javaCollectionToArray	2	0.001 s	0.001 s
mdbfileonpath>isPrivate	1	0.001 s	0.000 s
ReqData.getInstance	5	0.001 s	0.001 s
isInstalled	2	0.001 s	0.001 s
getSuiteCreationServicesForToolstrip	4	0.001 s	0.001 s
@opaque\private\fromOpaque	2	0.001 s	0.000 s
isdir	5	0.001 s	0.001 s
mtree.root	8	0.001 s	0.001 s
...geMapper>StorageMapper.getInstance	4	0.001 s	0.001 s
ispc	64	0.001 s	0.001 s
edit>checkJavaAvailable	2	0.001 s	0.000 s
getActionForFileType	2	0.001 s	0.001 s
...pace.MatlabWorkspaceListener.swl(swl)	4	0.001 s	0.001 s
filesep	32	0.001 s	0.001 s
path>isValidInput	16	0.001 s	0.001 s
pathsep	24	0.001 s	0.001 s
Document.Document>Document.Document	2	0.001 s	0.001 s
mdbfileonpath>isFileInPackage	1	0.001 s	0.000 s

@mt...vate\collect_qualifiers>is_qual	8	0.000 s	0.000 s
mpower	5	0.000 s	0.000 s
edit>translateUserHomeDirectory	2	0.000 s	0.000 s
Document.Document>isAbsolutePath	2	0.000 s	0.000 s
mtree.indices	4	0.000 s	0.000 s
edit>openOperator	2	0.000 s	0.000 s
...entionLiaison.NamingConventionLiaison	4	0.000 s	0.000 s
edit>openWithFileSystemAndExts	2	0.000 s	0.000 s
...FileUtils.isNativeMexFile(inFilename)	1	0.000 s	0.000 s
importdata>getLines	2	0.000 s	0.000 s
getSimpleParentName	4	0.000 s	0.000 s
edit>isAbsolutePath	2	0.000 s	0.000 s
usejava	3	0.000 s	0.000 s
+editor\private\unmapFile	2	0.000 s	0.000 s
absolute_path	2	0.000 s	0.000 s
edit>checkEndsWithBadExtension	2	0.000 s	0.000 s
intmax	2	0.000 s	0.000 s
finfo>@()warning(avWarnState)	3	0.000 s	0.000 s
edit>resolveOperator	2	0.000 s	0.000 s
isunix	6	0.000 s	0.000 s
mtree.isnull	8	0.000 s	0.000 s
opaque.char	2	0.000 s	0.000 s
edit>strtrim	2	0.000 s	0.000 s
...mingConventionService.meetsConvention	4	0.000 s	0.000 s
java.io.File (Java method)	18	0.000 s	0.000 s
MainManager.exists	2	0.000 s	0.000 s
edit>resolveWithFileSystemAndExts	2	0.000 s	0.000 s
Document.Document>fileNameToJavaFile	4	0.000 s	0.000 s
RandStream.RandStream>getMethodNames	1	0.000 s	0.000 s

fliplr	4	0.000 s	0.000 s
...nLiaison.set.NamingConventionServices	4	0.000 s	0.000 s
edit>isSimpleFile	2	0.000 s	0.000 s
...:@()MLFileUtils.isMdlFile(inFilename)	2	0.000 s	0.000 s
mtree.count	4	0.000 s	0.000 s
importdata>@(x)(isnan(x))	2	0.000 s	0.000 s
optimization_M_oao_oaa_error	10	0.000 s	0.000 s
mtree.isempty	8	0.000 s	0.000 s
+editor\private\checkFilename	4	0.000 s	0.000 s
settings	2	0.000 s	0.000 s
close>getEmptyHandleList	1	0.000 s	0.000 s
isCompletePath	2	0.000 s	0.000 s
edit>hasExtension	2	0.000 s	0.000 s
edit>isMLX	2	0.000 s	0.000 s
Service>Service.Service	4	0.000 s	0.000 s
...>TestSuiteFactory.TestSuiteFactory	4	0.000 s	0.000 s
SuiteCreationLiaison>UNINITIALIZED	32	0.000 s	0.000 s
...@()MlxFileUtils.isMlxFile(inFilename)	1	0.000 s	0.000 s
stringToLegacyText	4	0.000 s	0.000 s
mdbfileonpath>areFilenamesEqualForRun	4	0.000 s	0.000 s
...()MLFileUtils.isMlappFile(inFilename)	1	0.000 s	0.000 s
...gt:@()MLFileUtils.isPFile(inFilename)	1	0.000 s	0.000 s
+editor\private\checkCollection	2	0.000 s	0.000 s
MainManager.getInstance	2	0.000 s	0.000 s
mdbfileonpath>isStandardExtension	2	0.000 s	0.000 s
intmin	1	0.000 s	0.000 s
allchild>getchildren	1	0.000 s	0.000 s
importdata>LocalRowColShuffle	1	0.000 s	0.000 s
...set(rootobj,'ShowHiddenHandles',Temp)	1	0.000 s	0.000 s

cellstr	2	0.000 s	0.000 s
isOperator	2	0.000 s	0.000 s
optimization_M_net_error	1	0.000 s	0.000 s
isdatetime	1	0.000 s	0.000 s
uitools\private\allchildRootHelper	1	0.000 s	0.000 s
...gt;StorageMapper.getLinkfileExtension	2	0.000 s	0.000 s
close>checkfigs	1	0.000 s	0.000 s
close>request_close	1	0.000 s	0.000 s
java.util.ArrayList (Java method)	6	0.000 s	0.000 s
isduration	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.