

Profile Summary (Total time: 9.790 s)

Generated 10-Jun-2024 20:02:07 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
mainFLUID	2	9.221	0.104	
SolverNavierStokes	2	5.084	1.714	
assemblyC	25	3.249	1.453	
AssemblyUGlobal	25	1.791	1.791	
ReadMeshFileStr_MULT	4	1.400	0.039	
addpath	14	1.288	0.028	
path	14	1.257	1.077	
ReadInputDataFile_v	2	1.097	0.016	
ComputeKGF	2	1.032	0.009	
ReadUntCount	44	0.863	0.863	
AssemblyMethodBCB	2	0.735	0.145	
leer_fichero_colum	28	0.448	0.448	
AssemblyBGlobal	2	0.438	0.438	
getExtendedErrorCallback	1	0.396	0.069	
ReadInputDataFile_p	2	0.387	0.007	
DocPageTopicMap>DocPageTopicMap.topicExists	1	0.193	0.001	
DocPageTopicMap>DocPageTopicMap.singleTopicExists	1	0.192	0.000	
DocPageTopicMap>DocPageTopicMap.getMappingForId	1	0.192	0.002	
DocPageTopicMap>DocPageTopicMap.retrieveHelpTargets	1	0.190	0.067	
general\private\parsedirs	28	0.170	0.170	
ComputeBelemALL	2	0.149	0.073	
getDocAnchorForErrorID	1	0.131	0.027	
GidPostProcess2DV	1	0.119	0.002	
ConvertBlockDiag	4	0.118	0.009	
GidMesh2DFE	2	0.095	0.095	
AssemblyNIB	2	0.094	0.070	
getDocAnchorForErrorID>isProductName	1	0.093	0.093	
AssemblyNGlobalV	1	0.084	0.084	
ConvertCmatSparseMatrix	4	0.077	0.077	
workspacefunc	2	0.077	0.014	
findDocCatalogFiles	1	0.066	0.012	
workspacefunc>getShortValueObjectJ	44	0.053	0.015	
QtransfBvect	27	0.049	0.049	
GidResults2DFEV	1	0.045	0.045	
getLocalizedFileList	1	0.045	0.011	
ListOfNodesLINE	10	0.043	0.002	
genpath	40	0.040	0.034	
NodesFacesLinesGID	10	0.039	0.033	
GidPostProcess2DP	1	0.036	0.002	
ComputeNelemALLV	1	0.035	0.024	
workspacefunc>num2complex	33	0.034	0.015	
DefineElastMatGLO	2	0.033	0.031	
IndicesCtang	4	0.032	0.032	
DocPageTopicMap>DocPageTopicMap.accessDocLanguage	1	0.031	0.005	
FdisCOMP	2	0.031	0.006	

mdbfileonpath	1	0.030	0.006	
makeValidName	1	0.028	0.008	
getDocLanguageLocale	1	0.025	0.023	
getFileInfoForToolstrip	3	0.025	0.022	
ComputeElementShapeFun	9	0.021	0.004	
fullfile	47	0.020	0.010	
FdisElem	640	0.020	0.010	
AssemblyNGlobalP	2	0.019	0.019	
close	2	0.019	0.010	
makeValidName>@(n)makeValid(n,@replaceWithUnderscore)	1	0.017	0.002	
mdbfileonpath>checkIfShadowed	1	0.017	0.002	
strcat	22	0.017	0.016	
num2str	83	0.016	0.006	
makeStructure	1	0.016	0.016	
makeValidName>getMakeValidFcnHandle/makeValid	1	0.015	0.013	
getSystemObjectInfo	1	0.015	0.000	
getSystemObjectInfo	1	0.015	0.000	
isSystemObjectFile	1	0.014	0.000	
ComputeNelemALL	2	0.014	0.006	
isSystemObjectCode	1	0.014	0.002	
fileread	1	0.013	0.011	
executeCallback	5	0.012	0.008	
ReadUntilToken	80	0.012	0.006	
ObtInfMsh	28	0.011	0.003	
cell2mat	34	0.011	0.011	
inverseTRANSvectorize	18	0.011	0.011	
missing>missing,missing	2	0.010	0.008	
GidResults2DFEP	1	0.010	0.010	
workspacefunc>createComplexScalar	15	0.010	0.003	
ChangeCoordBnd	1920	0.009	0.009	
DetermineWeightsST	18	0.009	0.009	
workspacefunc>getAbstractValueSummary.J	18	0.009	0.007	
allchild	2	0.009	0.008	
ReadNodesMsh	2	0.009	0.008	
strtok	424	0.009	0.003	
num2str>handleNumericPrecision	50	0.008	0.001	
unique	44	0.008	0.006	
notifyUI	1	0.008	0.001	
mdbfileonpath>filepartsWithoutPackages	2	0.008	0.001	
WriteAuxFdNamesNEW	4	0.008	0.005	
mdbfileonpath>removePackageDirs	2	0.008	0.000	
num2str>convertUsingRecycledSprintf	50	0.008	0.008	
mdbfileonpath>isPackageDirectory	3	0.007	0.002	
RemoveREpeatedConnectivities	4	0.007	0.003	
mtree.mtfind	1	0.007	0.002	
Quadrilateral9NInPointsPressure	3	0.007	0.005	
Quadrilateral9NInPoints	4	0.007	0.004	
determinantVECTORIZATION	18	0.006	0.006	
getSourceBreakpoints	2	0.006	0.006	
clearAndSetBreakpointsForFile	1	0.006	0.006	

ProfileViewerService>ProfileViewerService.notifyProfilerStart	1	0.006	0.002	
str2num	56	0.006	0.003	
ElemBnd	4	0.005	0.005	
ParseTreeUtils>ParseTreeUtils.getTree	1	0.005	0.001	
FindInArgOUT	16	0.005	0.004	
strtok>doStrtok	424	0.005	0.005	
mdbfileonpath>getFileToRun	1	0.005	0.002	
mtree.restrict	1	0.005	0.002	
VarArginInput	4	0.005	0.002	
mtree,mtree>mtree.mtree	1	0.005	0.003	
strsplit	3	0.005	0.002	
COORallELEM	2	0.004	0.004	
codetools\private\canonicalizePath	9	0.004	0.004	
fileparts	11	0.004	0.002	
Linear3NInPoints	2	0.004	0.003	
kron	2	0.004	0.004	
codetools\private\dataviewerhelper	16	0.003	0.002	
now	2	0.003	0.001	
...dgets.spreadsheet.data.ComplexScalarFactory.valueOf (Java method)	15	0.003	0.003	
workspacefunc>getWhosInformation	1	0.003	0.003	
split	12	0.003	0.003	
fullfile>ensureTrailingFilesep	47	0.003	0.001	
str2num>protected_conversion	56	0.003	0.003	
general\private\catdirs	14	0.003	0.002	
makeValidName>getMakeValidFcnHandle	1	0.003	0.003	
unique>uniqueR2012a	44	0.003	0.003	
DocPageTopicMap>DocPageTopicMap.DocPageTopicMap	1	0.003	0.003	
EditorViewBreakpointStore>@(varargin)obj.handleSetData(varargin{:})	5	0.002	0.001	
mtree.pathit	1	0.002	0.002	
mdbfileonpath>doesFileExist	6	0.002	0.000	
fullfile>addTrailingFileSep	47	0.002	0.002	
fileparts>legacyPCExecution	11	0.002	0.002	
int2str	33	0.002	0.002	
...der>CustomCompactDisplayProvider.CustomCompactDisplayProvider	2	0.002	0.002	
datenum	2	0.002	0.002	
workspacefunc>getCleanupHandler	1	0.002	0.002	
workspacefunc>locallsString	44	0.002	0.002	
MessageService>MessageService.broadcastProfilerStateChanged	1	0.002	0.001	
EditorViewBreakpointStore>EditorViewBreakpointStore.handleSetData	5	0.002	0.001	
@(x)exist(x,'file')==2 exist([x,'.mat'],'file')==2	4	0.002	0.002	
join	3	0.002	0.001	
squeeze	32	0.002	0.002	
mdbfileonpath>isFileInPackage	1	0.002	0.000	
workspacefunc>getclass	18	0.002	0.002	
FndStrInCell	16	0.001	0.001	
DocLanguage>DocLanguage.DocLanguage	8	0.001	0.001	
fullfile>refinePath	47	0.001	0.001	
workspacefunc>locallsDistributedType	62	0.001	0.001	
ProfileViewerService>ProfileViewerService.needsToNotifyUI	1	0.001	0.001	
...^2).*(y-1/2).x.*(x+1).*(-y).*(1-x.^2).*(y+1/2).x.*(x-1).*(-y).*(1-x.^2).*(-2*y)]	36	0.001	0.001	

iskeyword	92	0.001	0.001	
ProfileViewerService>ProfileViewerService.getInstance	1	0.001	0.001	
getSetWeakSubscriptions	5	0.001	0.001	
mdbfileonpath>areDirectoriesEqual	1	0.001	0.000	
...+1).*(1-y.^2)/2.-(1-x.^2).*(y.*(y+1)/2.x.*(x-1).*(1-y.^2)/2.-(1-x.^2).*(1-y.^2)]	36	0.001	0.001	
codetools\private\dataviewerhelper>upconvertIntegralType	15	0.001	0.001	
mtree.wholetree	1	0.001	0.001	
...ressure>@(x,y)0.25*[(1-x).*(1-y).*(1+x).*(1-y).*(1+x).*(1+y).*(1-x).*(1+y)]	27	0.001	0.001	
mustBeNonzeroLengthText	1	0.001	0.000	
...Pressure>@(x,y)0.25*[-(1-y).*(1-y).*(1+y).*(1+y).*(1-x).*(1+x).*(1+x).*(1-x)]	27	0.001	0.001	
...rViewBreakpointStore>EditorViewBreakpointStore.addBreakpointData	5	0.001	0.001	
pathsep	82	0.001	0.001	
setfield	8	0.001	0.001	
makeValidName>getMakeValidFcnHandle/replaceWithUnderscore	1	0.001	0.001	
mdbfileonpath>isPrivate	1	0.001	0.001	
publish	1	0.001	0.001	
strfun\private\strescape	6	0.001	0.001	
settings	1	0.001	0.000	
mtree.mtree>validateInput	1	0.001	0.001	
Linear3N	6	0.001	0.001	
blanks	22	0.001	0.001	
isdir	5	0.001	0.001	
mdbfileonpath>@()isMdlFile(processedFilename)	2	0.001	0.000	
...mathworks.mlwidgets.workspace.MatlabWorkspaceListener.swl(swl)	1	0.001	0.000	
mustBeTextScalar	2	0.001	0.001	
strfun\private\isTextStrict	15	0.001	0.001	
mdbfileonpath>@()isNativeMexFile(processedFilename)	1	0.001	0.000	
getSetStrongSubscriptions	5	0.001	0.001	
settings	1	0.001	0.001	
validators\private\istext	1	0.001	0.000	
@mtree\private\collect_qualifiers	1	0.001	0.000	
mdbfileonpath>areFileNamesEqualForRun	4	0.001	0.001	
allchild>@()set(rootobj,'ShowHiddenHandles',Temp)	2	0.000	0.000	
mdbfileonpath>@()isMlappFile(processedFilename)	1	0.000	0.000	
uitools\private\allchildRootHelper	2	0.000	0.000	
allchild>getchildren	2	0.000	0.000	
fullfile>@(x)~iscell(x)&&isempty(x)	5	0.000	0.000	
mdbfileonpath>isStandardExtension	2	0.000	0.000	
ProfileViewerService>ProfileViewerService.swapProfilerImplsIfChanged	1	0.000	0.000	
...s.spreadsheet.data.ValueSummaryFactory.getInstance (Java method)	18	0.000	0.000	
mdbfileonpath>@()isMlxFile(processedFilename)	1	0.000	0.000	
mdbfileonpath>@()isPFile(processedFilename)	1	0.000	0.000	
mdbfileonpath>isNativeMexFile	1	0.000	0.000	
path>isValidInput	28	0.000	0.000	
DocLanguage>DocLanguage.fromLanguageStr	1	0.000	0.000	
mdbfileonpath>isMlappFile	1	0.000	0.000	
ProfilerState>ProfilerState.getState	1	0.000	0.000	
BaseDataModel>BaseDataModel.setProfileResumedState	1	0.000	0.000	
mdbfileonpath>isMdlFile	2	0.000	0.000	
ProfilerState>ProfilerState.setState	1	0.000	0.000	

getMatlabUINotificationPolicy	1	0.000	0.000	
DocPageTopicMap>DocPageTopicMap.findMappingInHelpTargets	1	0.000	0.000	
convertDBStatusToBreakpointInfo	2	0.000	0.000	
...ks.mlwidgets.workspace.MatlabWorkspaceListener.swl (Java method)	2	0.000	0.000	
mdbfileonpath>isMlxFile	1	0.000	0.000	
mdbfileonpath>isPFile	1	0.000	0.000	
ProfilerState>ProfilerState.setLastAction	1	0.000	0.000	
validators\private\isCharRowVector	3	0.000	0.000	
ParseTreeUtils>ParseTreeUtils.isTreeError	1	0.000	0.000	
BaseDataModel>BaseDataModel.setPayloadStateState	1	0.000	0.000	
com.mathworks.mlwidgets.workspace.WhosInformation (Java method)	1	0.000	0.000	
codetools\private\dataviewerhelper>isUnsignedIntegralType	1	0.000	0.000	
@mtree\private\collect_qualifiers>is_qual	1	0.000	0.000	
java.lang.String (Java method)	11	0.000	0.000	
DocPageTopicMap>DocPageTopicMap.isValidGroup	1	0.000	0.000	
mtree.isEmpty	1	0.000	0.000	
mtree.count	1	0.000	0.000	
...m.mathworks.widgets.spreadsheet.data.ValueSummary (Java method)	4	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.