Profile Summary (Total time: 80.175 s)

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
mainFLUID	1	80.175	0.399	
SolverNavierStokes	1	76.555	67.409	
assemblyC	90	9.050	3.847	
AssemblyUGlobal	90	5.185	5.185	
addpath	6	1.108	0.025	
path	6	1.078	0.953	
ReadMeshFileStr_MULT	2	0.852	0.074	
ComputeKGF	1	0.843	0.048	
ReadInputDataFile_v	1	0.771	0.060	
AssemblyMethodBCB	1	0.470	0.139	
ReadUntCount	6	0.413	0.413	
ComputeBelemALL	1	0.227	0.155	
ReadInputDataFile_p	1	0.212	0.006	
leer_fichero_colum	6	0.205	0.205	
AssemblyBGlobal	1	0.192	0.192	
GidPostProcess2DV	1	0.122	0.005	
ConvertBlockDiag	2	0.120	0.008	
general\private\parsedirs	12	0.106	0.105	
GidMesh2DFE	2	0.097	0.096	
genpath	20	0.094	0.085	
IndicesCtang	2	0.083	0.083	
AssemblyNGlobalV	1	0.062	0.062	
RemoveREpeatedConnectivities	2	0.060	0.047	
FdisCOMP	1	0.044	0.009	
num2str	161	0.044	0.019	
ListOfNodesLINE	5	0.044	0.004	
AssemblyNIB	1	0.044	0.031	
GidResults2DFEV	1	0.041	0.040	
ReadUntilToken	16	0.039	0.032	
NodesFacesLinesGID	5	0.039	0.034	
ComputeElementShapeFun	6	0.037	0.017	
GidPostProcess2DP	1	0.033	0.002	
ObtInfMsh	6	0.033	0.010	
ConvertCmatSparseMatrix	2	0.030	0.030	
FdisElem	223	0.030	0.016	
ComputeNelemALLV	1	0.027	0.017	
QtransfBvect	18	0.025	0.025	
string.strcat	1	0.022	0.010	
num2str>handleNumericPrecision	118	0.021	0.002	
strcat	8	0.020	0.019	
unique	17	0.020	0.009	
num2str>convertUsingRecycledSprintf	118	0.019	0.019	
WriteAuxFdNamesNEW	2	0.016	0.008	
inverseTRANSvectorize	9	0.016	0.016	
strtok	76	0.016	0.006	

DefineElastMatGLO	1	0.015	0.014	
str2num	12	0.014	0.004	
FindInArgOUT	8	0.013	0.004	
ChangeCoordBnd	669	0.013	0.013	
Quadrilateral9NInPoints	3	0.013	0.007	
VarArgInInput	2	0.012	0.005	
cell.strcat	1	0.011	0.010	
unique>uniqueR2012a	17	0.011	0.011	
GidResults2DFEP	1	0.010	0.009	
ComputeNelemALL	1	0.010	0.004	
strtok>doStrtok	76	0.010	0.010	
str2num>protected_conversion	12	0.010	0.010	
FndStrInCell	8	0.009	0.009	
AssemblyNGlobalP	1	0.009	0.009	
fullfile	19	0.008	0.006	
ReadNodesMsh	1	0.008	0.006	
cell2mat	16	0.007	0.007	
DetermineWeightsST	9	0.006	0.006	
determinantVECTORIZE	9	0.006	0.006	
COORallELEM	1	0.005	0.005	
Quadrilateral9NInPointsPressure	2	0.005	0.003	
ElemBnd	2	0.005	0.005	
general\private\catdirs	6	0.005	0.005	
kron	1	0.004	0.004	
int2str	43	0.004	0.004	
split	6	0.004	0.003	
… +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)]	27	0.004	0.004	
…^2).*(y-1/2),x.*(x+1).*(-y),(1-x.^2).*(y+1/2),x.*(x-1).*(-y),(1-x.^2).*(-2*y)]	27	0.002	0.002	
Linear3NInPoints	1	0.002	0.002	
fullfile>ensureTrailingFilesep	19	0.002	0.001	
…ressure>@(x,y)0.25*[(1-x).*(1-y),(1+x).*(1-y),(1+x).*(1+y),(1-x).*(1+y)]	18	0.001	0.001	
pathsep	38	0.001	0.001	
cellstr	1	0.001	0.001	
setfield	4	0.001	0.001	
fullfile>refinePath	19	0.001	0.001	
squeeze	16	0.001	0.001	
fullfile>addTrailingFileSep	19	0.001	0.001	
path>isValidInput	12	0.001	0.001	
blanks	8	0.001	0.001	
…Pressure>@(x,y)0.25*[-(1-y),(1-y),(1+y),-(1+y);-(1-x),-(1+x),(1+x),(1-x)]	18	0.001	0.001	
strfun\private\isTextStrict	6	0.000	0.000	
Linear3N	3	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.