

Profile Summary (Total time: 21.123 s)

Generated 10-Jun-2024 19:40:30 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
mainFLUID	1	21.123	0.077	
SolverNavierStokes	1	15.354	4.674	
assemblyC	21	10.096	4.711	
AssemblyUGlobal	21	5.381	5.381	
ReadMeshFileStr_MULT	2	2.388	0.037	
ComputeKGF	1	2.101	0.023	
ReadInputDataFile_v	1	1.794	0.017	
AssemblyMethodBCB	1	1.575	0.299	
ReadUntCount	78	1.498	1.498	
AssemblyBGlobal	1	0.983	0.983	
leer_fichero_colum	42	0.798	0.798	
ReadInputDataFile_p	1	0.668	0.009	
addpath	7	0.608	0.019	
path	7	0.585	0.488	
AssemblyNGlobalV	1	0.443	0.443	
GidPostProcess2DV	1	0.368	0.006	
ComputeBelemALL	1	0.300	0.141	
GidMesh2DFE	2	0.298	0.297	
ConvertBlockDiag	2	0.207	0.011	
AssemblyNIB	1	0.156	0.111	
GidResults2DFEV	1	0.143	0.142	
QtransfBvect	18	0.143	0.143	
ComputeNelemALLV	1	0.136	0.084	
ConvertCmatSparseMatrix	2	0.132	0.132	
GidPostProcess2DP	1	0.107	0.003	
general\private\parsedirs	14	0.088	0.088	
DefineElastMatGLO	1	0.082	0.080	
IndicesCtang	2	0.064	0.064	
AssemblyNGlobalP	1	0.041	0.041	
ListOfNodesLINE	5	0.039	0.004	
NodesFacesLinesGID	5	0.033	0.026	
FdisCOMP	1	0.026	0.006	
GidResults2DFEP	1	0.025	0.024	
num2str	66	0.024	0.013	
genpath	20	0.024	0.019	
ComputeElementShapeFun	6	0.023	0.009	
inverseTRANSvectorize	9	0.022	0.022	
ComputeNelemALL	1	0.021	0.014	
DetermineWeightsST	9	0.018	0.018	
ObtInfMsh	42	0.016	0.006	
FdisElem	240	0.015	0.009	
ReadUntilToken	124	0.014	0.008	
strcat	9	0.012	0.011	
determinantVECTORIZATION	9	0.012	0.012	
RemoveREpeatedConnectivities	2	0.010	0.006	

strtok	688	0.010	0.003	
unique	22	0.009	0.006	
close	1	0.009	0.004	
cell2mat	17	0.009	0.009	
num2str>handleNumericPrecision	36	0.008	0.001	
num2str>convertUsingRecycledSprintf	36	0.007	0.007	
strtok>doStrtok	688	0.007	0.007	
COORallELEM	1	0.007	0.007	
WriteAuxFdNamesNEW	2	0.006	0.003	
ChangeCoordBnd	720	0.006	0.006	
Quadrilateral9NInPoints	3	0.006	0.004	
Quadrilateral9NInPointsPressure	2	0.006	0.004	
str2num	84	0.006	0.002	
allchild	1	0.005	0.003	
FindInArgOUT	8	0.005	0.003	
fullfile	19	0.005	0.003	
ElemBnd	2	0.005	0.005	
VarArgInInput	2	0.004	0.002	
kron	1	0.004	0.004	
split	6	0.004	0.003	
str2num>protected_conversion	84	0.004	0.004	
Linear3NInPoints	1	0.003	0.003	
int2str	30	0.003	0.003	
general\private\catdirs	7	0.003	0.003	
unique>uniqueR2012a	22	0.003	0.003	
squeeze	16	0.002	0.002	
allchild>getchildren	1	0.002	0.002	
ReadNodesMsh	1	0.002	0.001	
EndStrInCell	8	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)]	27	0.001	0.001	
...Pressure>@(x,y)0.25*[-(1-y).*(1+y).-(1+y).-(1-x).-(1+x).*(1-x)]	18	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)]	18	0.001	0.001	
...+1).*(1-y.^2)/2.-(1-x.^2).*(y+1)/2.x.*(x-1).*(1-y.^2)/2.-(1-x.^2).*(1-y.^2)]	27	0.001	0.001	
fullfile>ensureTrailingFilesep	19	0.001	0.000	
pathsep	41	0.001	0.001	
fullfile>refinePath	19	0.001	0.001	
blanks	9	0.001	0.001	
strfun\private\isTextStrict	6	0.001	0.001	
setfield	4	0.001	0.001	
path>isValidInput	14	0.001	0.001	
fullfile>addTrailingFileSep	19	0.000	0.000	
Linear3N	3	0.000	0.000	
allchild>@().set(rootobj,'ShowHiddenHandles',Temp)	1	0.000	0.000	
uitools\private\allchildRootHelper	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.