

Profile Summary (Total time: 4.751 s)

Generated 02-Jun-2024 17:54:43 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
mainFLUID	1	4.751	0.063	
SolverNavierStokes	1	2.901	0.869	
assemblyC	22	1.955	0.892	
AssemblyUGlobal	22	1.058	1.058	
addpath	7	0.685	0.016	
path	7	0.668	0.563	
ReadMeshFileStr_MULT	2	0.552	0.014	
ReadInputDataFile_v	1	0.441	0.005	
ComputeKGF	1	0.354	0.003	
ReadUntCount	6	0.330	0.330	
AssemblyMethodBCB	1	0.234	0.045	
leer_fichero_colum	6	0.180	0.180	
ReadInputDataFile_p	1	0.151	0.004	
AssemblyBGlobal	1	0.141	0.141	
general\private\parsedirs	14	0.095	0.095	
GidPostProcess2DV	1	0.079	0.001	
ComputeBelemALL	1	0.064	0.027	
GidMesh2DFE	2	0.063	0.062	
AssemblyNGlobalV	1	0.048	0.048	
genpath	20	0.036	0.029	
ConvertBlockDiag	2	0.035	0.001	
GidResults2DFEV	1	0.032	0.032	
AssemblyNIB	1	0.032	0.023	
ComputeNelemALLV	1	0.029	0.015	
GidPostProcess2DP	1	0.026	0.001	
ConvertCmatSparseMatrix	2	0.024	0.024	
QtransfBvect	18	0.022	0.022	
ListOfNodesLINE	5	0.021	0.001	
NodesFacesLinesGID	5	0.020	0.015	
ComputeElementShapeFun	6	0.019	0.003	
FdisCOMP	1	0.015	0.004	
DefineElastMatGLO	1	0.012	0.011	
num2str	67	0.012	0.004	
strcat	9	0.012	0.011	
Quadrilateral9NInPoints	3	0.010	0.008	
IndicesCtang	2	0.010	0.010	
unique	17	0.009	0.006	
AssemblyNGlobalP	1	0.008	0.008	
FdisElem	223	0.008	0.004	
GidResults2DFEP	1	0.008	0.007	
RemoveREpeatedConnectivities	2	0.007	0.002	
inverseTRANSvectorize	9	0.007	0.007	
ReadUntilToken	16	0.006	0.003	
num2str>handleNumericPrecision	37	0.006	0.001	
fullfile	19	0.006	0.004	

ComputeNelemALL	1	0.006	0.002	
num2str>convertUsingRecycledPrintf	37	0.006	0.006	
WriteAuxFdNamesNEW	2	0.005	0.002	
cell2mat	16	0.005	0.005	
ObtInfMsh	6	0.005	0.002	
strtok	76	0.004	0.002	
FindInArgOUT	8	0.004	0.003	
DetermineWeightsST	9	0.004	0.004	
close	1	0.004	0.002	
string_strcat	1	0.004	0.002	
determinantVECTORIZED	9	0.004	0.004	
Quadrilateral9NInPointsPressure	2	0.004	0.003	
ChangeCoordBnd	669	0.003	0.003	
VarArginInput	2	0.003	0.001	
ElemBnd	2	0.003	0.003	
strtok>doStrtok	76	0.003	0.003	
ReadNodesMsh	1	0.003	0.002	
Linear3NInPoints	1	0.003	0.002	
allchild	1	0.003	0.002	
cell_strcat	1	0.002	0.002	
COORallELEM	1	0.002	0.002	
unique>uniqueR2012a	17	0.002	0.002	
split	6	0.002	0.002	
str2num	12	0.002	0.001	
general\private\catdirs	7	0.002	0.001	
int2str	30	0.002	0.002	
EndStrInCell	8	0.001	0.001	
fullfile>ensureTrailingFilesep	19	0.001	0.000	
fullfile>refinePath	19	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	
str2num>protected_conversion	12	0.001	0.001	
setfield	4	0.001	0.001	
blanks	9	0.001	0.001	
pathsep	41	0.001	0.001	
squeeze	16	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	
Linear3N	3	0.001	0.001	
fullfile>addTrailingFileSep	19	0.001	0.001	
kron	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)]	18	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	0.000	0.000	
strfun\private\isTextStrict	6	0.000	0.000	
cellstr	1	0.000	0.000	
path>isValidInput	14	0.000	0.000	
allchild>@().set(rootobj,'ShowHiddenHandles',Temp)	1	0.000	0.000	
allchild>getchildren	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.