





Profile Summary (Total time: 571.984 s)

Generated 10-Jun-2024 19:52:13 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
mainFLUID	1	571.984	0.990	
SolverNavierStokes	1	564.754	537.567	
assemblyC	28	26.340	15.492	
AssemblyUGlobal	28	10.049	10.049	
ReadMeshFileStr_MULT	2	2.388	0.033	
ComputeKGF	1	2.130	0.024	
ReadInputDataFile_v	1	1.782	0.015	
AssemblyMethodBCB	1	1.647	0.318	
ReadUntCount	78	1.512	1.512	
num2str	75	1.143	0.152	
AssemblyBGlobal	1	1.041	1.041	
num2str>handleNumericPrecision	44	0.840	0.010	
num2str>convertUsingRecycledSprintf	44	0.830	0.830	
leer_fichero_colum	42	0.800	0.800	
ReadInputDataFile_p	1	0.672	0.007	
GidPostProcess2DV	1	0.671	0.099	
addpath	6	0.547	0.014	
path	6	0.531	0.449	
GidMesh2DFE	2	0.467	0.462	
AssemblyNGlobalV	1	0.412	0.412	
ComputeBelemALL	1	0.250	0.118	
GidResults2DFEV	1	0.216	0.194	
ConvertBlockDiag	2	0.213	0.011	
string,strcat	1	0.198	0.144	
GidPostProcess2DP	1	0.191	0.021	
AssemblyNIB	1	0.166	0.108	
int2str	31	0.151	0.151	
ConvertCmatSparseMatrix	2	0.148	0.148	
QtransfBvect	18	0.112	0.112	
ComputeNelemALLV	1	0.104	0.067	
general\private\parsedirs	12	0.075	0.074	
DefineElastMatGLO	1	0.074	0.073	
ComputeElementShapeFun	6	0.065	0.024	
GidResults2DFEP	1	0.059	0.034	
IndicesCtang	2	0.054	0.054	
cell.strcat	1	0.054	0.045	
AssemblyNGlobalP	1	0.053	0.053	
genpath	20	0.042	0.037	
ListOfNodesLINE	5	0.035	0.004	
NodesFacesLinesGID	5	0.030	0.025	
ComputeNelemALL	1	0.022	0.016	
FdisCOMP	1	0.021	0.004	
Quadrilateral9NinPointsPressure	2	0.020	0.017	
Quadrilateral9NinPoints	3	0.019	0.016	
inverseTRANSvectorize	9	0.017	0.017	

DetermineWeightsST	9	0.015	0.015	
ReadUntilToken	124	0.015	0.008	
FdisElem	240	0.013	0.007	
ObtInfMsh	42	0.011	0.004	
determinantVECTORIZE	9	0.010	0.010	
strtok	688	0.010	0.003	
strcat	8	0.009	0.008	
cellstr	1	0.008	0.008	
cell2mat	17	0.008	0.008	
unique	22	0.007	0.005	
COORaIlELEM	1	0.007	0.007	
strtok>doStrtok	688	0.006	0.006	
ChangeCoordBnd	720	0.006	0.006	
RemoveREpeatedConnectivities	2	0.005	0.002	
WriteAuxFdNamesNEW	2	0.005	0.002	
fullfile	19	0.005	0.003	
kron	1	0.005	0.005	
str2num	84	0.004	0.001	
ElemBnd	2	0.004	0.004	
FindInArgOUT	8	0.004	0.003	
str2num>protected_conversion	84	0.003	0.003	
VarArgInInput	2	0.003	0.001	
unique>uniqueR2012a	22	0.002	0.002	
ReadNodesMsh	1	0.002	0.002	
split	6	0.002	0.002	
general\private\catdirs	6	0.002	0.002	
Linear3NInPoints	1	0.002	0.001	
$\dots +1) \cdot (1-y.^2)/2 \cdot (1-x.^2) \cdot y \cdot (y+1)/2 \cdot x \cdot (x-1) \cdot (1-y.^2)/2 \cdot (1-x.^2) \cdot (1-y.^2)]$	27	0.001	0.001	
FndStrInCell	8	0.001	0.001	
$\dots ressure>@(x,y)0.25*((1-x) \cdot (1-y) \cdot (1+x) \cdot (1-y) \cdot (1+x) \cdot (1+y) \cdot (1-x) \cdot (1+y)]$	18	0.001	0.001	
$\dots ^2) \cdot (y-1/2) \cdot x \cdot (x+1) \cdot (-y) \cdot (1-x.^2) \cdot (y+1/2) \cdot x \cdot (x-1) \cdot (-y) \cdot (1-x.^2) \cdot (-2^y)]$	27	0.001	0.001	
squeeze	16	0.001	0.001	
fullfile>ensureTrailingFilesep	19	0.001	0.000	
$\dots Pressure>@(x,y)0.25*[-(1-y) \cdot (1-y) \cdot (1+y) \cdot -(1+y) \cdot -(1-x) \cdot -(1+x) \cdot (1+x) \cdot (1-x)]$	18	0.001	0.001	
setfield	4	0.001	0.001	
fullfile>refinePath	19	0.001	0.001	
pathsep	38	0.001	0.001	
fullfile>addTrailingFileSep	19	0.001	0.001	
blanks	8	0.001	0.001	
strfun\private\isTextStrict	6	0.000	0.000	
path>isValidInput	12	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.