




Profile Summary (Total time: 986.867 s)

Generated 10-Jun-2024 19:32:27 using performance time.

Function Name	Calls	Total Time (s) [↓]	Self Time* (s)	Total Time Plot (dark band = self time)
mainFLUID	1	986.867	1.734	
SolverNavierStokes	1	975.567	925.341	
assemblyC	34	48.774	26.073	
AssemblyUGlobal	34	21.514	21.514	
ComputeKGF	1	4.691	0.236	
AssemblyMethodBCB	1	3.689	1.721	
ReadMeshFileStr_MULT	2	2.853	0.056	
ReadInputDataFile_v	1	2.181	0.023	
num2str	83	2.075	0.458	
ReadUntCount	78	1.778	1.778	
AssemblyBGlobal	1	1.548	1.548	
num2str>handleNumericPrecision	51	1.260	0.014	
num2str>convertUsingRecycledSprintf	51	1.247	1.247	
leer_fichero_colum	42	0.919	0.919	
addpath	6	0.824	0.026	
path	6	0.795	0.665	
ReadInputDataFile_p	1	0.783	0.011	
GidPostProcess2DV	1	0.684	0.104	
GidMesh2DFE	2	0.503	0.498	
AssemblyNGlobalV	1	0.498	0.498	
ComputeBelemALL	1	0.409	0.204	
int2str	32	0.357	0.357	
ConvertBlockDiag	2	0.264	0.012	
AssemblyNIB	1	0.217	0.150	
GidResults2DFEV	1	0.208	0.188	
GidPostProcess2DP	1	0.198	0.011	
ConvertCmatSparseMatrix	2	0.168	0.168	
QtransfBvect	18	0.161	0.161	
ComputeNelemALLV	1	0.127	0.080	
ComputeElementShapeFun	6	0.119	0.037	
DefineElastMatGLO	1	0.118	0.108	
general\private\parsedirs	12	0.112	0.112	
genpath	20	0.095	0.088	
string_strcat	1	0.091	0.040	
ComputeNelemALL	1	0.087	0.019	
IndicesCtang	2	0.083	0.083	
ListOfNodesLINE	5	0.061	0.005	
Quadrilateral9NInPointsPressure	2	0.060	0.043	
GidResults2DFEP	1	0.056	0.044	
NodesFacesLinesGID	5	0.053	0.042	
FdisCOMP	1	0.052	0.008	
cell_strcat	1	0.051	0.043	
AssemblyNGlobalP	1	0.041	0.041	
FdisElem	240	0.038	0.016	
inverseTRANSvectorize	9	0.029	0.029	

ObtInfMsh	42	0.028	0.009	
RemoveREpeatedConnectivities	2	0.027	0.015	
DetermineWeightsST	9	0.027	0.027	
kron	1	0.026	0.026	
unique	22	0.022	0.011	
ChangeCoordBnd	720	0.022	0.022	
ReadUntilToken	124	0.020	0.012	
strcat	8	0.019	0.018	
Quadrilateral9NInPoints	3	0.019	0.014	
strtok	688	0.017	0.006	
determinantVECTORIZE	9	0.012	0.012	
VarArgInInput	2	0.012	0.005	
cell2mat	17	0.012	0.012	
...ressure>@(x,y)0.25*[(1-x).*(1-y).*(1+x).*(1-y).*(1+x).*(1+y).*(1-x).*(1+y)]	18	0.012	0.012	
unique>uniqueR2012a	22	0.011	0.011	
strtok>doStrtok	688	0.011	0.011	
str2num	84	0.010	0.004	
FindInArgOUT	8	0.010	0.004	
COORDallELEM	1	0.010	0.010	
squeeze	16	0.009	0.009	
cellstr	1	0.008	0.008	
WriteAuxFdNamesNEW	2	0.008	0.003	
str2num>protected_conversion	84	0.007	0.007	
fullfile	19	0.007	0.005	
EndStrInCell	8	0.006	0.006	
split	6	0.005	0.004	
ElemBnd	2	0.005	0.005	
...Pressure>@(x,y)0.25*[-(1-y).*(1-y).*(1+y).-(1+y).-(1-x).-(1+x).*(1-x)]	18	0.005	0.005	
general\private\catdirs	6	0.004	0.003	
...+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	0.003	0.003	
ReadNodesMsh	1	0.003	0.002	
Linear3NInPoints	1	0.003	0.002	
...^2).*(y-1/2).x.*(x+1).*(1-x.^2).*(y+1/2).x.*(x-1).*(1-x.^2).*(1-x.^2).*(-2*y)]	27	0.002	0.002	
fullfile>ensureTrailingFilesep	19	0.001	0.001	
blanks	8	0.001	0.001	
strfun\private\isTextStrict	6	0.001	0.001	
pathsep	38	0.001	0.001	
fullfile>refinePath	19	0.001	0.001	
path>isValidInput	12	0.001	0.001	
fullfile>addTrailingFileSep	19	0.001	0.001	
setfield	4	0.001	0.001	
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.