

## Profile Summary (Total time: 26.192 s)

Generated 10-Jun-2024 19:59:46 using performance time.

Function Name	Calls	Total Time (s) <sup>↓</sup>	Self Time* (s)	Total Time Plot (dark band = self time)
<a href="#">mainFLUID</a>	1	26.192	0.196	
<a href="#">SolverNavierStokes</a>	1	19.494	5.934	
<a href="#">assemblyC</a>	25	12.992	6.031	
<a href="#">AssemblyUGlobal</a>	25	6.955	6.955	
<a href="#">ReadMeshFileStr_MULT</a>	2	2.632	0.034	
<a href="#">ComputeKGF</a>	1	2.195	0.017	
<a href="#">ReadInputDataFile_v</a>	1	2.034	0.013	
<a href="#">ReadUntCount</a>	78	1.690	1.690	
<a href="#">AssemblyMethodBCB</a>	1	1.666	0.295	
<a href="#">AssemblyBGlobal</a>	1	1.097	1.097	
<a href="#">addpath</a>	7	0.877	0.020	
<a href="#">path</a>	7	0.853	0.738	
<a href="#">leer_fichero_colum</a>	42	0.836	0.836	
<a href="#">ReadInputDataFile_p</a>	1	0.675	0.008	
<a href="#">AssemblyNGlobalV</a>	1	0.437	0.437	
<a href="#">GidPostProcess2DV</a>	1	0.411	0.009	
<a href="#">GidMesh2DFE</a>	2	0.375	0.374	
<a href="#">ComputeBelemALL</a>	1	0.307	0.143	
<a href="#">ConvertBlockDiag</a>	2	0.188	0.007	
<a href="#">GidPostProcess2DP</a>	1	0.173	0.003	
<a href="#">GidResults2DFEV</a>	1	0.163	0.163	
<a href="#">AssemblyNIB</a>	1	0.159	0.108	
<a href="#">QtransfBvect</a>	18	0.139	0.139	
<a href="#">ConvertCmatSparseMatrix</a>	2	0.133	0.133	
<a href="#">ComputeNelemALLV</a>	1	0.128	0.079	
<a href="#">general\private\parsedirs</a>	14	0.106	0.106	
<a href="#">DefineElastMatGLO</a>	1	0.085	0.084	
<a href="#">close</a>	1	0.067	0.028	
<a href="#">genpath</a>	20	0.062	0.055	
<a href="#">IndicesCtang</a>	2	0.048	0.048	
<a href="#">AssemblyNGlobalP</a>	1	0.047	0.047	
<a href="#">ListOfNodesLINE</a>	5	0.044	0.002	
<a href="#">NodesFacesLinesGID</a>	5	0.041	0.031	
<a href="#">allchild</a>	1	0.039	0.035	
<a href="#">GidResults2DFEP</a>	1	0.035	0.034	
<a href="#">ComputeElementShapeFun</a>	6	0.027	0.006	
<a href="#">ComputeNelemALL</a>	1	0.025	0.019	
<a href="#">RemoveREpeatedConnectivities</a>	2	0.025	0.016	
<a href="#">inverseTRANSvectorize</a>	9	0.021	0.021	
<a href="#">FdisCOMP</a>	1	0.021	0.005	
<a href="#">num2str</a>	70	0.019	0.006	
<a href="#">DetermineWeightsST</a>	9	0.018	0.018	
<a href="#">ReadUntilToken</a>	124	0.018	0.008	
<a href="#">Quadrilateral9NInPoints</a>	3	0.014	0.011	
<a href="#">unique</a>	22	0.014	0.007	

<a href="#">FdisElem</a>	240	0.012	0.006	
<a href="#">strtok</a>	688	0.012	0.005	
<a href="#">strcat</a>	9	0.012	0.011	
<a href="#">ObtInfMsh</a>	42	0.012	0.003	
<a href="#">determinantVECTORIZE</a>	9	0.011	0.011	
<a href="#">cell2mat</a>	17	0.009	0.009	
<a href="#">num2str&gt;handleNumericPrecision</a>	40	0.009	0.001	
<a href="#">num2str&gt;convertUsingRecycledSprintf</a>	40	0.008	0.008	
<a href="#">COORDallELEM</a>	1	0.007	0.007	
<a href="#">VarArgInInput</a>	2	0.007	0.002	
<a href="#">unique&gt;uniqueR2012a</a>	22	0.007	0.007	
<a href="#">FindInArgOUT</a>	8	0.007	0.003	
<a href="#">strtok&gt;doStrtok</a>	688	0.007	0.007	
<a href="#">split</a>	6	0.007	0.006	
<a href="#">fullfile</a>	19	0.006	0.004	
<a href="#">ChangeCoordBnd</a>	720	0.006	0.006	
<a href="#">str2num</a>	84	0.005	0.002	
<a href="#">WriteAuxFdNamesNEW</a>	2	0.005	0.002	
<a href="#">Quadrilateral9NInPointsPressure</a>	2	0.005	0.003	
<a href="#">ElemBnd</a>	2	0.004	0.004	
<a href="#">kron</a>	1	0.004	0.004	
<a href="#">int2str</a>	30	0.004	0.004	
<a href="#">EndStrInCell</a>	8	0.004	0.004	
<a href="#">uitools\private\allchildRootHelper</a>	1	0.004	0.004	
<a href="#">str2num&gt;protected_conversion</a>	84	0.003	0.003	
<a href="#">general\private\catdirs</a>	7	0.003	0.003	
<a href="#">ReadNodesMsh</a>	1	0.003	0.003	
<a href="#">Linear3NInPoints</a>	1	0.002	0.001	
<a href="#">...+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)]</a>	27	0.002	0.002	
<a href="#">squeeze</a>	16	0.002	0.002	
<a href="#">setfield</a>	4	0.001	0.001	
<a href="#">...ressure&gt;@(x,y)0.25*[(1-x).*(1-y).*(1+x).*(1-y).*(1+x).*(1+y).*(1-x).*(1+y)]</a>	18	0.001	0.001	
<a href="#">...^2).*(y-1/2).x.*(x+1).*(-y).*(1-x.^2).*(y+1/2).x.*(x-1).*(-y).*(1-x.^2).*(-2*y)]</a>	27	0.001	0.001	
<a href="#">fullfile&gt;ensureTrailingFilesep</a>	19	0.001	0.001	
<a href="#">blanks</a>	9	0.001	0.001	
<a href="#">fullfile&gt;refinePath</a>	19	0.001	0.001	
<a href="#">pathsep</a>	41	0.001	0.001	
<a href="#">fullfile&gt;addTrailingFileSep</a>	19	0.001	0.001	
<a href="#">...Pressure&gt;@(x,y)0.25*[-(1-y).*(1-y).*(1+y).-(1+y).-(1-x).-(1+x).*(1-x)]</a>	18	0.001	0.001	
<a href="#">allchild&gt;@().set(rootobj,'ShowHiddenHandles',Temp)</a>	1	0.000	0.000	
<a href="#">path&gt;isValidInput</a>	14	0.000	0.000	
<a href="#">strfun\private\isTextStrict</a>	6	0.000	0.000	
<a href="#">Linear3N</a>	3	0.000	0.000	
<a href="#">allchild&gt;getchildren</a>	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.