Profile Summary (Total time: 103.195 s)

Generated 11-Jun-2024 24:39:47 using performance time.

Function Name	Calls	Total Time (s) [‡]	Self Time* (s)	Total Time Plot (dark band = self time)
mainFLUID	1	103.195	0.155	
<u>SolverNavierStokes</u>	1	101.028	89.095	
<u>assemblyC</u>	119	11.846	5,168	
<u>AssemblyUGlobal</u>	119	6.652	6.652	-
<u>addpath</u>	6	0.725	0.015	I
path	6	0.708	0.613	I
ReadMeshFileStr_MULT	2	0.555	0.028	I
ReadInputDataFile_v	1	0.457	0.015	
ComputeKGF	1	0.416	0.016	
ReadUntCount	6	0.324	0.324	
<u>AssemblyMethodBCB</u>	1	0.252	0.059	
ReadInputDataFile_p	1	0.169	0.006	
leer_fichero_colum	6	0.162	0.162	
AssemblyBGlobal	1	0.138	0.138	
<u>GidPostProcess2DV</u>	1	0.137	0.011	
GidMesh2DFE	2	0.113	0.112	
general\private\parsedirs	12	0.089	0.088	
ComputeBelemALL	1	0.082	0.037	
AssemblyNGlobalV	1	0.055	0.055	
genpath	20	0.052	0.045	
ConvertBlockDiag	2	0.043	0.006	
num2str	202	0.042	0.011	
GidPostProcess2DP	1	0,035	0.004	
ListOfNodesLINE	5	0.032	0.004	
AssemblyNIB	1	0.032	0.023	
GidResults2DFEV	1	0.032	0.030	
<u>NodesFacesLinesGID</u>	5	0.028	0.021	
ComputeElementShapeFun	6	0.027	0.009	
<u>ConvertCmatSparseMatrix</u>	2	0.026	0.026	
num2str>handleNumericPrecision	154	0.026	0.002	
<u>FdisCOMP</u>	1	0.024	0.005	
ComputeNelemALLV	1	0.024	0.016	
num2str>convertUsingRecycledSprintf	154	0.024	0.024	
QtransfBvect	18	0.023	0.023	
unique	17	0.013	0.009	
<u>FdisElem</u>	223	0.013	0.008	
string.strcat	1	0.013	0.006	
<u>DefineElastMatGLO</u>	1	0.012	0.011	
GidResults2DFEP	1	0.011	0.010	
IndicesCtang	2	0.011	0.011	
RemoveREpeatedConnectivities	2	0.010	0.002	
ComputeNelemALL	1	0.009	0.002	
WriteAuxFdNamesNEW	2	0.009	0.004	
ReadUntilToken	16	0.009	0.005	
<u>Quadrilateral9NInPoints</u>	3	0.008	0.005	

Description	AssemblyNGlobalP	1	0.008	0.008	
Cell Stream 16	strcat	8	0.008	0.008	
Description	<u>ObtInfMsh</u>	6	0.008	0.004	
Cell affect 1	cell2mat	16	0.008	0.008	
Investee Investee	fullfile	19	0.007	0.005	
BeachNoteMath	<u>cell.strcat</u>	1	0.007	0.006	
ReadNateMith	inverseTRANSvectorize	9	0.007	0.007	
QuadristorialPhinPointsProssure 2	FindInArgOUT	8	0.007	0.005	
Change Coording 669 0.005 0.005 Initiat 48 0.005 0.005 Initiat 48 0.005 0.005 Initiat 48 0.005 0.005 Initiat 76 0.005 0.006 Initiat 76 0.005 0.006 Initiat 76 0.005 0.002 Initiat 8 0.005 0.006 Initiat 8 0.005 0.004 Initiat 8 0.005 0.004 Initiat 9 0.006 0.001 Initiat 17 0.004 0.004 Initiat 17 0.004 0.004 Initiat 17 0.004 0.004 Initiat 18 0.003 0.003 Initiat 18 0.002 0.002 Initiat 18 0.002 0.001 Initiat 18 0.001 0.001 Initiat 18 0.000 0.000	ReadNodesMsh	1	0.006	0.005	
AB 0.005 0.006	Quadrilateral9NInPointsPressure	2	0.006	0.004	
Determine/MichitsST 9 0.005 0.005 0.002	ChangeCoordBnd	669	0.005	0.005	
### ### ##############################	int2str	48	0.005	0.005	
Determine/WeightsST 9	determinantVECTORIZE	9	0,005	0,005	
Self	strtok	76	0.005	0.002	
### Agranginipulat	<u>DetermineWeightsST</u>	9	0.005	0.005	
UniqueseniquesR2012a	split	6	0.005	0.004	
ElemBind	VarArginInput	2	0.005	0.001	
LinearSNInPoints	unique>uniqueR2012a	17	0.004	0.004	
strtok>doStrtok 76 0.003 0.003 2)_*(y-12)x_*(x+1)_*(-y),(1-x_*2)_*(y+1/2)x_*(x-1)_*(-y),(1-x_*2)_*(-2*y)} 27 0.003 0.003 COORallELEM 1 0.002 0.002 0.001 str2num 12 0.002 0.002 0.002 fndStrinCell 8 0.002 0.002 0.002 generallorivate/catdirs 6 0.002 0.001 0.001 settleld 4 0.002 0.002 0.002 cellstr 1 0.001 0.001 0.001 *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)_* 27 0.001 0.001 str2num>protected_conversion 12 0.001 0.001 0.001 fulfile>refinePath 19 0.001 0.001 0.001 fulfile>refinePath 19 0.001 0.001 0.001 fulfile>refinePath 19 0.001 0.001 0.001 fron 1 0.001 0.001 0.001 r	<u>ElemBnd</u>	2	0.004	0.004	
2).*(y-1/2).*(*x+1).*(-y).*(1-x^2).*(y+1/2).*(*x-1).*(-y).*(1-x^2).*(-2^2y))	<u>Linear3NInPoints</u>	1	0.003	0.003	
COORallELEM 1 0.002 0.002 stZnum 12 0.002 0.001 EndStrinCell 8 0.002 0.002 general/private/catdirs 6 0.002 0.002 fullfile>ensure TrailingFilesep 19 0.002 0.001 setfield 4 0.002 0.002 cellstr 1 0.001 0.001 +1).*(1-y-2y)/2.(1-x-2).*y*(y+1)/2.x*(x-1).*(1-y-2y)/2.(1-x-2).*(1-y-2y) 27 0.001 0.001 str2num>protected_conversion 12 0.001 0.001 0.001 fullfile>refinePath 19 0.001 0.001 0.001 sueezze 16 0.001 0.001 0.001 ft/unlyrivatelisTextStrict 6 0.001 0.001 0.001 kron 1 0.001 0.001 0.001 kron 1 0.001 0.001 0.001 essure>@(x,y)0.25*((1-x).*(1-y).(1+x).*(1-y).(1+x).*(1-x).*(1+x)	strtok>doStrtok	76	0.003	0.003	
12	$\dots \underline{^{\wedge}2}, \underline{^{*}(y-1/2)}, \underline{x}, \underline{^{*}(x+1)}, \underline{^{*}(-y)}, \underline{(1-x,^{\wedge}2)}, \underline{^{*}(y+1/2)}, \underline{x}, \underline{^{*}(x-1)}, \underline{^{*}(-y)}, \underline{(1-x,^{\wedge}2)}, \underline{^{*}(-2^{*}y)}]$	27	0.003	0.003	
EndStrinCell 8 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.001 0	COORallELEM	1	0.002	0.002	
general)private\caldirs 6 0.002 0.002 fullfile≥ensureTrailingFilesep 19 0.002 0.001 setfield 4 0.002 0.002 cellstr 1 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 st/2num>protected conversion 12 0.001 0.001 0.001 fullfile>addTrailingFileSep 19 0.001 0.001 0.001 squeeze 16 0.001 0.001 0.001 fullfile>refinePath 19 0.001 0.001 0.001 strfunlprivate\undersTextStrict 6 0.001 0.001 pathsep 38 0.001 0.001 kron 1 0.001 0.001 essure>@(x,y)0.25*[(1-x),*(1-x),*(1+x)	<u>str2num</u>	12	0.002	0.001	
fulfile>ensureTrailingFilesep 19 0.002 0.001 setfield 4 0.002 0.002 cellstr 1 0.001 0.001 +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)] 27 0.001 0.001 str2num>protected_conversion 12 0.001 0.001 fulfile>addTrailingFileSep 19 0.001 0.001 squeeze 16 0.001 0.001 fulfile>refinePath 19 0.001 0.001 strfun\private\strict 6 0.001 0.001 pathsep 38 0.001 0.001 kron 1 0.001 0.001 essure>@(x,y)0.25*[(1-x)*(1-y).(1+x)*(1-y).(1+x)*(1+y).(1-x)*(1+y).(1-x).*(1+y).(1-x).*(1+y).(1-x).*(1+y).(1-x).*(1+y).(1-x).*(1+x).*(1-x)	<u>FndStrInCell</u>	8	0.002	0.002	
setfield 4 0.002 0.002 cellstr 1 0.001 0.001 +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)*) 27 0.001 0.001 str2num>protected_conversion 12 0.001 0.001 0.001 fullfile>addTrailingEileSep 19 0.001 0.001 0.001 squeeze 16 0.001 0.001 0.001 fullfile>refinePath 19 0.001 0.001 0.001 strfun\private\isText\Strict 6 0.001 0.001 0.001 pathsep 38 0.001 0.001 0.001 kron 1 0.001 0.001 0.001 tessure>@(x,y)0.25*[(1-x)*(1-x)*(1+x)*(1-x).(1+x)*(1-x).(1+x).(1-x).(1+x).(1-x). 18 0.000 0.000 blanks 8 0.000 0.000 0.000 path>is/AlidInput 12 0.000 0.000	general\private\catdirs	6	0.002	0.002	
cellstr 1 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)/2 27 0.001 0.001 str2num>protected_conversion 12 0.001 0.001 fullfile>addTrailingFileSep 19 0.001 0.001 squeeze 16 0.001 0.001 fullfile>refinePath 19 0.001 0.001 strfun\private\tisTextStrict 6 0.001 0.001 pathsep 38 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),(1-x).*(1+y),(1-x).*(1+y) 18 0.001 blanks 8 0.000 0.000 path>is\ValidInput 12 0.000 0.000	<u>fullfile>ensureTrailingFilesep</u>	19	0.002	0.001	
+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)] 27 0.001 0.001 str2num>protected_conversion 12 0.001 0.001 fulfile>addTrailingFileSep 19 0.001 0.001 squeeze 16 0.001 0.001 fulfile>refinePath 19 0.001 0.001 strfun\private\tisTextStrict 6 0.001 0.001 pathsep 38 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)] 18 0.001 0.001 ressure>@(x,y)0.25*[(1-x),*(1-y),(1+x),*(1-x),(1+x),(1-x),(1-x)] 18 0.000 0.000 blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000 ressValidInput 12 0.000 0.000 ressValidInput 12 0.000 0.000	setfield	4	0,002	0,002	
str2num>protected_conversion 12 0.001 0.001 fullfile>addTrailingFileSep 19 0.001 0.001 squeeze 16 0.001 0.001 fullfile>refinePath 19 0.001 0.001 strfun\private\isTextStrict 6 0.001 0.001 pathsep 38 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),(1+x),(1+y),(1-x),(1+y),(1-x),(1+x),(1-x),	<u>cellstr</u>	1	0.001	0.001	
fullfile>addTrailingFileSep 19 0.001 0.001 squeeze 16 0.001 0.001 fullfile>refinePath 19 0.001 0.001 strfun\private\isTextStrict 6 0.001 0.001 pathsep 38 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)] 18 0.000 0.000 blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000	<u>+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)</u>]	27	0.001	0.001	
squeeze 16 0.001 0.001 fullfile>refinePath 19 0.001 0.001 strfun\private\isTextStrict 6 0.001 0.001 pathsep 38 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),(1-x)] 18 0.001 0.001 Pressure>@(x,y)0.25*[-(1-y),(1-y),(1+y),-(1+y),-(1+x),-(1+x),(1-x)] 18 0.000 0.000 blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000	str2num>protected_conversion	12	0.001	0.001	
fullfile>refinePath 19 0.001 0.001 strfun\private\is TextStrict 6 0.001 0.001 pathsep 38 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)] 18 0.000 0.000 blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000	<u>fullfile>addTrailingFileSep</u>	19	0.001	0.001	
strfun\private\isTextStrict 6 0.001 0.001 pathsep 38 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 blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000	squeeze	16	0.001	0.001	
pathsep 38 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)] 18 0.000 0.000 blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000	<u>fullfile>refinePath</u>	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)] 18 0.000 0.000 blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000	strfun\private\isTextStrict	6	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+x),-(1+x),(1-x)] 18 0.000 0.000 blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000	<u>pathsep</u>	38	0.001	0.001	
Pressure>@(x,y)0.25*[-(1-y),(1-y),(1+y),-(1+x),-(1+x),(1-x)] 18 0.000 0.000 blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000	kron	1	0.001	0.001	
blanks 8 0.000 0.000 path>isValidInput 12 0.000 0.000	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	
path>isValidInput 12 0.000 0.000	$\dots \underline{\text{Pressure}} > \underline{@(x,y)0.25^{*}[\underline{-(1-y),(1-y),(1+y),\underline{-(1+y),\underline{-(1+x),(1+x),(1+x),(1+x),(1-x)}}]}$	18	0.000	0.000	
	blanks	8	0.000	0.000	
Linear3N 3 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.