

Profile Summary (Total time: 10652.018 s)

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Function Name	Calls	Total Time (s)	Self Time* (s)	Total Time Plot (dark band = self time)
DC	1	10652.017	1.734	
mmamain	1	10649.135	0.101	
SetupDC>cmin	201	10641.182	0.687	
SetupDC>solve	201	8646.054	0.060	
SetupDC>solve/solveInner	201	8644.182	0.044	
NRDC	201	8644.137	0.630	
SetupDC>@(u,f)r(znew,u,f)	1343	5338.411	0.035	
SetupDC>@(z,uk,fext)model.fintk(nu(Mf*z),uk)-fext	1343	5338.376	0.561	
NLCont2D>NLCont2D.fintk	1343	5337.617	189.573	
cont2D4N>@(p1,p2)J(p1,p2)[dNdx(p1,p2);dNdeta(p1,p2)]	281625600	5144.183	1622.722	
SetupDC>@(z,uk)model.Kk(nu(Mf*z),uk)	772	4392.428	0.345	
NLCont2D>NLCont2D.Kk	772	4391.968	382.332	
cont2D4ts	22233600	4379.458	335.282	
cont2D4ts>F	88934400	3927.159	679.259	
NLCont2D>@(ec,ed,es)cont2D4tf(ec,obj,t,ed,es)	7411200	3815.355	28.462	
cont2D4tf	7411200	3786.893	274.796	
...,dNdx(p1,p2)*ec(2,:);dNdeta(p1,p2)*ec(1,:);dNdeta(p1,p2)*ec(2,:)]	326092800	3344.151	1866.246	
SetupDC>@(u)K(znew,u)	571	3249.071	0.010	
NLCont2D>@(ec,D,ed,es)cont2D4te(ec,obj,t,D,ed,es)	3705600	2398.533	15.387	
cont2D4te	3705600	2383.146	270.388	
cont2D4tf>Bmat	29644800	1711.001	194.841	
cont2D4N>@(xi,eta)1/4*[-(1-xi),-(1+xi),(1+xi),(1-xi)]	933811200	1059.562	1059.562	
cont2D4N>@(xi,eta)1/4*[-(1-eta),(1-eta),(1+eta),-(1+eta)]	933811200	1049.551	1049.551	
NLCont2D>@(f)stressMater2D2(stress_type,m,f)	44467200	901.472	95.379	
cont2D4te>Bmat	14822400	866.082	100.249	
SetupDC>@(z,uk)model.drdz(dnu_drho(Mf*z),uk)*Mf	201	828.978	3.215	
NLCont2D>NLCont2D.drdz	201	825.749	54.535	
stressMater2D2	44467200	806.093	718.319	
cont2D4tf>Blmat	29644800	760.323	215.687	
cont2D4tf>Hmat	29644800	695.086	158.854	
cont2D4te>Hmat	29644800	691.766	155.696	
NLCont2D>@(f)dMater2D2(lag,m,f)	14822400	527.014	31.653	
dMater2D2	14822400	495.361	364.029	
cont2D4te>Blmat	14822400	387.187	107.842	
cont2D4N	33350400	183.009	183.009	
trace	74112000	133.359	133.359	
NLCont2D>NLCont2D.extract	11116800	90.142	90.142	
...v(K,L)+(K==L)*cinv(L,J))+a3*(cinv(L,K)*cinv(J,L)+cinv(L,L)*cinv(J,K))	88934400	85.747	85.747	
LinearSolver>LinearSolver.solveq	772	77.960	17.844	
cont2D4tf>Amat	29644800	60.750	60.750	
CA	522	59.272	59.272	
SetupDC>@(varargin)solver.solveq(varargin{:})	571	55.949	0.026	
cont2D4te>Amat	14822400	31.684	31.684	
mmasub	200	7.814	0.139	

subsolv	200	7.583	3.641	
spdiags	24376	4.034	4.034	
SetupDC>guess	200	1.813	1.813	
SetupDC	1	0.926	0.006	
NLCont2D>NLCont2D.dfilter	1	0.907	0.746	
extractSubmatrices	772	0.844	0.844	
SetupDC>@(rho)nuMin+(nuMax-nuMin)*rho.^q	2115	0.313	0.313	
addpath	1	0.172	0.031	
NLCont2D>@(x)obj.w(x,obj.fr)	4800	0.146	0.057	
path	1	0.140	0.117	
NLCont2D>@(x,r)max(0,1-x/r)	4800	0.089	0.089	
NRDC>printAction	351	0.045	0.045	
kktcheck	200	0.038	0.038	
genpath	8	0.034	0.023	
NLCont2D>NLCont2D.volumes	2	0.026	0.026	
TOLlistener>TOLlistener.registerUpdate	201	0.024	0.024	
NRDC>printHeading	201	0.019	0.019	
LinearSolver>LinearSolver.getStats	201	0.014	0.014	
SetupDC>@(rho)q*(nuMax-nuMin)*rho.^(q-1)	201	0.014	0.014	
TOLlistener>TOLlistener.registerCustom	201	0.012	0.012	
NRDC>checkResidualWarnings	571	0.012	0.012	
general\private\parsedirs	2	0.012	0.011	
now	1	0.011	0.002	
fullfile	7	0.010	0.007	
strcat	1	0.010	0.010	
datenum	1	0.008	0.008	
SetupDC>checkAngle	201	0.007	0.007	
NLCont2D>NLCont2D.NLCont2D	1	0.003	0.001	
fullfile>ensureTrailingFileSep	7	0.002	0.001	
datevec	1	0.002	0.002	
fullfile>addTrailingFileSep	7	0.002	0.002	
NLCont2D>NLCont2D.setElementData	1	0.002	0.002	
fullfile>refinePath	7	0.001	0.001	
getSettingsRoot	6	0.001	0.001	
stringToLegacyText	2	0.001	0.001	
pathsep	11	0.001	0.001	
mmainit	1	0.001	0.001	
path>isValidInput	2	0.001	0.001	
ispc	2	0.001	0.001	
blanks	1	0.001	0.001	
general\private\catdirs	1	0.001	0.001	
mpower	1	0.000	0.000	
filesep	2	0.000	0.000	
NLCont2D>NLCont2D.setMaterialModel	1	0.000	0.000	
TOLlistener>TOLlistener.TOLlistener	1	0.000	0.000	
LinearSolver>LinearSolver.LinearSolver	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.