Profile Summary

Generated 09-Mar-2019 19:10:09 using performance time.

Function Name	Calls	Total Time	Self Time*
prototypeSim	1	152.386 s	3.270 s
ode45	1	139.895 s	0.138 s
...t,y)rotorStateSimple(t,y,rotor,water)	20437	139.746 s	0.120 s
rotorStateSimple	20437	139.626 s	0.585 s
rotor>rotor.computeAeroLoadsBasic	20437	138.667 s	41.470 s
bladesection>bladesection.computeLoads	1226220	92.642 s	16.719 s
ppval	3678660	75.923 s	63.161 s
unmkpp	3678660	12.762 s	12.762 s
getframe	201	4.949 s	2.878 s
cross	2452440	4.555 s	4.555 s
axis	402	2.163 s	0.075 s
graphics\private\alternateGetframe	201	1.982 s	0.016 s
getframeWithDecorations	201	1.962 s	1.938 s
axis>isnumericAxes	201	0.870 s	0.870 s
newplot	604	0.758 s	0.063 s
axis>LocCheckCompatibleLimits	201	0.623 s	0.570 s
newplot>ObserveAxesNextPlot	604	0.610 s	0.046 s
cla	202	0.563 s	0.021 s
xlabel	201	0.551 s	0.540 s

Total Time Plot (dark band = self time)
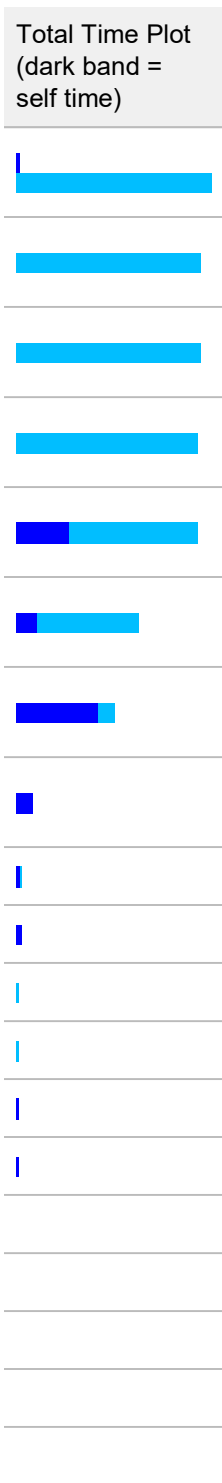
graphics\private\clo	202	0.493 s	0.493 s
ylabel	201	0.478 s	0.470 s
axis>LocSetEqual	201	0.449 s	0.012 s
axis>LocSetImage	201	0.437 s	0.361 s
hold	402	0.196 s	0.140 s
rotor>rotor.set.position	20438	0.126 s	0.126 s
UnsupportedInUifigure	201	0.089 s	0.053 s
rotor>rotor.set.orientation	20438	0.086 s	0.086 s
rotor>rotor.set.velocity	20438	0.086 s	0.086 s
markFigure	804	0.084 s	0.084 s
close	2	0.081 s	0.005 s
rotor>rotor.set.angvel	20438	0.078 s	0.078 s
axis>LocSetLimits	201	0.078 s	0.078 s
axis>LocSetTight	201	0.076 s	0.076 s
gobjects	1208	0.064 s	0.064 s
is2D	201	0.053 s	0.008 s
graphics\private\claNotify	202	0.050 s	0.040 s
close>request_close	2	0.046 s	0.003 s
is2D>testOneAxes	201	0.045 s	0.045 s
funfun\private\odearguments	1	0.043 s	0.002 s
closereq	2	0.034 s	0.032 s
close>safegetchildren	1	0.029 s	0.004 s
airfoil>airfoil.airfoil	1	0.024 s	0.002 s
pchip	3	0.022 s	0.004 s
getFigureJavaFrame	201	0.021 s	0.021 s
setdiff	2	0.020 s	0.002 s
axis>iscartesian	201	0.019 s	0.019 s

isUIFigure	201	0.019 s	0.019 s
setdiff>setdiffR2012a	2	0.018 s	0.005 s
newplot>ObserveFigureNextPlot	604	0.016 s	0.016 s
graph2d\private\labelcheck	402	0.014 s	0.011 s
onCleanup>onCleanup.delete	403	0.013 s	0.006 s
axis>allAxes	402	0.012 s	0.012 s
pchip>pchipslopes	3	0.011 s	0.011 s
clearNotify	200	0.010 s	0.010 s
axescheck	402	0.009 s	0.009 s
ismember	4	0.008 s	0.002 s
close>request_close_helper	4	0.008 s	0.005 s
unique	2	0.007 s	0.004 s
rotor>rotor.rotor	1	0.007 s	0.007 s
ismember>ismemberR2012a	4	0.007 s	0.004 s
clearvars	1	0.006 s	0.005 s
UnsupportedInUifigure>@()warning(w)	201	0.005 s	0.005 s
convertStringToCharArgs	402	0.005 s	0.005 s
onCleanup>onCleanup.onCleanup	403	0.005 s	0.005 s
funfun\private\ntrp45split	199	0.005 s	0.005 s
allchild	1	0.004 s	0.003 s
...asPlugin>CanvasPlugin.createCanvas	2	0.004 s	0.002 s
pwch	3	0.004 s	0.003 s
com.mathworks.hg.peer.HG2FigurePeer (Java method)	201	0.004 s	0.004 s
polyfun\private\chckxy	3	0.004 s	0.004 s
isFigureShowEnabled	201	0.003 s	0.003 s
gra...\labelcheck>local_validlabelobj	402	0.003 s	0.003 s

blade>blade.blade	1	0.003 s	0.003 s
unique>uniqueR2012a	2	0.003 s	0.003 s
ismember>ismemberClassTypes	4	0.003 s	0.003 s
odeget	11	0.003 s	0.002 s
...t;ToolbarController.ToolbarController	2	0.002 s	0.002 s
...figure>@()lastwarn(lastmsg,lastid)	201	0.002 s	0.002 s
fluid>fluid.fluid	1	0.002 s	0.001 s
...olbarController>@(e,d)obj.delete()	2	0.002 s	0.001 s
mkpp	3	0.001 s	0.001 s
...ontroller>ToolbarController.delete	2	0.001 s	0.001 s
clearvars>parseArgs	1	0.001 s	0.001 s
odeget>getknownfield	11	0.001 s	0.001 s
close>getEmptyHandleList	4	0.001 s	0.001 s
close>checkfigs	5	0.001 s	0.001 s
gcbf	4	0.001 s	0.001 s
fluid>fluid.set.velocity	2	0.001 s	0.001 s
...ddenHandles',oldUDDShowHiddenHandles)	2	0.001 s	0.001 s
...vasPlugin>CanvasPlugin.getInstance	2	0.000 s	0.000 s
funfun\private\odefinalize	1	0.000 s	0.000 s
airfoil>getClCdCmCurve	1	0.000 s	0.000 s
uitools\private\allchildRootHelper	1	0.000 s	0.000 s
...set(rootobj,'ShowHiddenHandles',Temp)	1	0.000 s	0.000 s
allchild>getchildren	1	0.000 s	0.000 s
funfun\private\odemass	1	0.000 s	0.000 s
clearvars>createPattern	1	0.000 s	0.000 s
funfun\private\odeevents	1	0.000 s	0.000 s
bladesection>bladesection.bladesection	1	0.000 s	0.000 s

blade>blade.set.sectionLocs	1	0.000 s	0.000 s
blade>thinrod	1	0.000 s	0.000 s
blade>blade.set.centermass	1	0.000 s	0.000 s
funfun\private\odefcncleanup	1	0.000 s	0.000 s

Self time is the time spent in a function excluding the time spent in its child fun
time also includes overhead resulting from the process of profiling.

ictions. Self