



















## Profile Summary

Generated 06-Oct-2017 22:15:50 using performance time.

<a href="#">Function Name</a>	<a href="#">Calls</a>	<a href="#">Total Time</a>	<a href="#">Self Time*</a>	Total Time Plot (dark band = self time)
<a href="#">Matt_Shea_Final_Model</a>	1	302.116 s	66.968 s	
<a href="#">energy_function</a>	361	223.580 s	102.987 s	
<a href="#">trapz</a>	364	127.713 s	127.684 s	
<a href="#">gap_function</a>	1	3.066 s	3.065 s	
<a href="#">close</a>	1	0.755 s	0.003 s	
<a href="#">close&gt;request_close</a>	1	0.435 s	0.025 s	
<a href="#">closereq</a>	3	0.353 s	0.347 s	
<a href="#">close&gt;safegetchildren</a>	1	0.314 s	0.068 s	
<a href="#">xlabel</a>	5	0.277 s	0.273 s	
<a href="#">setdiff</a>	2	0.216 s	0.005 s	
<a href="#">setdiff&gt;setdiffR2012a</a>	2	0.211 s	0.074 s	
<a href="#">newplot</a>	5	0.165 s	0.063 s	
<a href="#">ismember</a>	5	0.147 s	0.006 s	
<a href="#">ismember&gt;ismemberR2012a</a>	5	0.141 s	0.019 s	
<a href="#">ismember&gt;ismemberClassTypes</a>	5	0.122 s	0.060 s	
<a href="#">xlim</a>	5	0.117 s	0.073 s	
<a href="#">newplot&gt;ObserveAxesNextPlot</a>	5	0.088 s	0.020 s	
<a href="#">unique</a>	6	0.079 s	0.027 s	
<a href="#">cla</a>	5	0.067 s	0.029 s	
<a href="#">close&gt;request_close_helper</a>	6	0.057 s	0.024 s	
<a href="#">unique&gt;uniqueR2012a</a>	6	0.052 s	0.052 s	

<a href="#">ylabel</a>	5	0.051 s	0.050 s	
<a href="#">rulerFunctions</a>	6	0.047 s	0.032 s	
<a href="#">ipermute</a>	364	0.029 s	0.029 s	
<a href="#">allchild</a>	1	0.029 s	0.023 s	
<a href="#">graphics\private\clo</a>	5	0.027 s	0.027 s	
<a href="#">graphics\private\claNotify</a>	5	0.012 s	0.012 s	
<a href="#">gobjects</a>	10	0.011 s	0.011 s	
<a href="#">ishold</a>	5	0.008 s	0.008 s	
<a href="#">markFigure</a>	6	0.008 s	0.008 s	
<a href="#">gcbf</a>	6	0.006 s	0.006 s	
<a href="#">rulerFunctions&gt;parseFunctionName</a>	6	0.005 s	0.005 s	
<a href="#">graph2d\private\labelcheck</a>	10	0.005 s	0.005 s	
<a href="#">deg2rad</a>	370	0.005 s	0.005 s	
<a href="#">ylim</a>	1	0.005 s	0.001 s	
<a href="#">close&gt;checkfigs</a>	4	0.004 s	0.004 s	
<a href="#">newplot&gt;ObserveFigureNextPlot</a>	5	0.003 s	0.003 s	
<a href="#">close&gt;getEmptyHandleList</a>	3	0.003 s	0.003 s	
<a href="#">allchild&gt;getchildren</a>	1	0.002 s	0.002 s	
<a href="#">onCleanup&gt;onCleanup.delete</a>	1	0.002 s	0.002 s	
<a href="#">...ddenHandles'.oldUDDShowHiddenHandles)</a>	3	0.002 s	0.002 s	
<a href="#">ismember&gt;ismemberBuiltinTypes</a>	2	0.002 s	0.002 s	
<a href="#">...tlab.graphics.illustration.ColorBar')</a>	6	0.002 s	0.002 s	
<a href="#">...set(rootobj,'ShowHiddenHandles'.Temp)</a>	1	0.001 s	0.001 s	
<a href="#">uitools\private\allchildRootHelper</a>	1	0.000 s	0.000 s	
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	1	0.000 s	0.000 s	

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