

Kepler - Bug #4039

matlab actor always stops matlab process in wrapup

04/30/2009 09:54 AM - Daniel Crawl

Status:	New	Start date:	04/30/2009
Priority:	Normal	Due date:	
Assignee:	Daniel Crawl	% Done:	0%
Category:	actors	Estimated time:	0.00 hour
Target version:	3.X.Y	Spent time:	0.00 hour
Bugzilla-Id:	4039		
<b>Description</b>			
<p>The matlab actor always stops the matlab process when model execution ends. It would be nice if the actor could (optionally) keep it running. This functionality would be useful, for example, to continue displaying matlab plots after the model completes, or reuse the matlab process for subsequent model executions.</p> <p>The difficulty in implementing this is knowing when to stop the matlab process. It should be done before the JVM exits. I don't think finalize() is a solution since it is not always called.</p>			

History

#1 - 05/05/2009 01:33 PM - Daniel Crawl

In order for the matlab process to persist after model execution, an engine cannot be opened in an actor's thread.

<http://www.mathworks.com/support/solutions/en/data/1-Z1Y34/> says:

The ability to open an instance of the MATLAB Engine in one thread and pass control of it to another thread is not available in MATLAB. When the thread that calls engOpen terminates, all resources for the Engine application also terminate. There are currently no known workarounds.

#2 - 03/27/2013 02:25 PM - Redmine Admin

Original Bugzilla ID was 4039