

Kepler - Bug #5589

Add missing ptolemy actors to library

04/23/2012 04:05 PM - Derik Barseghian

Status:	Resolved	Start date:	04/23/2012
Priority:	Normal	Due date:	
Assignee:	Daniel Crawl	% Done:	0%
Category:	actors	Estimated time:	0.00 hour
Target version:	2.4.0	Spent time:	0.00 hour
Bugzilla-Id:	5589		
Description			
<p>We should look through ptolemy's source and add Kepler library representations for any actors we don't already display and that will work in Kepler. Today the need for some of the Matrix actors came up, and they're two years old, so I suspect there are a number of ptolemy actors we should add.</p> <p>kepler.sh -createActorXML can be used.</p> <p>We could probably issue a patch to the actors module.</p>			

History

#2 - 07/02/2012 04:12 PM - Daniel Crawl

I added a new ant target, "find-missing-actors", to list the files of actors, directors, and parameters not in the actor tree, and attached the output to this bug. Christopher, if you tell me what can be added to Kepler, I'll create the metadata files so they appear in the actor tree. Many of the Ptolemy files belong to domains not currently present in Kepler, e.g., SR, Rendezvous, Taskpt, etc. If these are not available in Kepler, then it would be good to update build-area/settings/ptolemy-excludes.

#3 - 07/20/2012 10:50 AM - Christopher Brooks

The list did not include attributes in vergil/actor/lib?

There are some actors that are listed that are base classes for actors that are already included.

#4 - 07/25/2012 04:11 PM - Daniel Crawl

Thanks, Christopher! I added most of the actors and attributes on the list. I also updated ptolemy-excludes.

I couldn't create kar entries for some of the actors because clone() threw an NPE:

```
[null] java.lang.NullPointerException
      [null]      at ptolemy.actor.lib.ComputeHistogram.clone(ComputeHistogram.java:197)

[null] java.lang.NullPointerException
      [null]      at ptolemy.actor.lib.Lattice.clone(Lattice.java:182)

[null] java.lang.NullPointerException
      [null]      at ptolemy.actor.lib.RecursiveLattice.clone(RecursiveLattice.java:184)
```

#5 - 07/26/2012 07:57 AM - Christopher Brooks

I added a test that, for each configuration, instantiates an actor and then calls clone on the actor.

I fixed clone(Workspace) in ptolemy/actor/lib/ComputeHistogram.java and ptolemy/actor/lib/RecursiveLattice.java

#6 - 07/27/2012 05:37 PM - Daniel Crawl

Thanks again, Christopher. After your fix, I was able to add entries for ComputeHistogram, RecursiveLattice, VariableRecursiveLattice, Lattice, and VariableLattice.

#7 - 03/27/2013 02:31 PM - Redmine Admin

Original Bugzilla ID was 5589

Files

missing-actors.txt	32.1 KB	07/02/2012	Daniel Crawl
missingActors.txt	41.1 KB	07/20/2012	Christopher Brooks